

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
 Data File : VD061331.D
 Acq On : 26 Mar 2019 9:25
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00u/5ml/MSVOA D/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 11:59:58 AM

Quant Time: Mar 26 10:03:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 03:31:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	730572	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1312006	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	1068871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	444149	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	314932	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
35) Dibromofluoromethane	6.92	113	494080	49.21	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	98.42%	
50) Toluene-d8	10.40	98	1164630	47.84	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	95.68%	
62) 4-Bromofluorobenzene	13.55	95	467976	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.59	85	407858	54.603	ug/l	97
3) Chloromethane	1.77	50	304352	52.233	ug/l	100
4) Vinyl Chloride	1.86	62	313821	57.601	ug/l	98
5) Bromomethane	2.16	94	61833	55.917	ug/l	92
6) Chloroethane	2.28	64	104647	61.055	ug/l	98
7) Trichlorofluoromethane	2.54	101	450054	55.885	ug/l	100
8) Diethyl Ether	2.88	74	142541	59.529	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.16	101	444763	54.260	ug/l	95
10) Methyl Iodide	3.32	142	723895	63.214	ug/l	96
11) Tert butyl alcohol	4.06	59	95948	285.955	ug/l	99
12) 1,1-Dichloroethene	3.14	96	377798	53.565	ug/l	99
13) Acrolein	3.04	56	84887	231.127	ug/l	92
14) Allyl chloride	3.63	41	585858	58.554	ug/l	98
15) Acrylonitrile	4.20	53	340108	288.223	ug/l	99
16) Acetone	3.22	43	561344	372.323	ug/l	96
17) Carbon Disulfide	3.39	76	1283377	54.788	ug/l	98
18) Methyl Acetate	3.65	43	163038	57.210	ug/l	95
19) Methyl tert-butyl Ether	4.24	73	663568	53.422	ug/l	98
20) Methylene Chloride	3.82	84	446872	52.223	ug/l	98
21) trans-1,2-Dichloroethene	4.23	96	431417	54.676	ug/l	97
22) Diisopropyl ether	5.12	45	1171999	55.605	ug/l	99
23) Vinyl Acetate	5.05	43	3171478	281.727	ug/l	98
24) 1,1-Dichloroethane	4.99	63	716027	58.296	ug/l	100
25) 2-Butanone	6.07	43	569844	326.775	ug/l	94
26) 2,2-Dichloropropane	6.02	77	563516	54.031	ug/l	97
27) cis-1,2-Dichloroethene	6.04	96	470493	55.409	ug/l	94
28) Bromochloromethane	6.44	49	283619	55.167	ug/l	100
29) Tetrahydrofuran	6.45	42	250050	288.077	ug/l	99
30) Chloroform	6.67	83	764515	58.410	ug/l	100
31) Cyclohexane	6.95	56	559985	56.172	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	630841	54.420	ug/l	98
36) 1,1-Dichloropropene	7.15	75	571591	53.249	ug/l	98
37) Ethyl Acetate	6.18	43	240239	53.582	ug/l	95
38) Carbon Tetrachloride	7.11	117	637259m	51.943	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	611461	55.001	ug/l	97
40) Benzene	7.46	78	1399945	52.512	ug/l	99
41) Methacrylonitrile	6.44	41	271069	52.028	ug/l	97
42) 1,2-Dichloroethane	7.57	62	446853	53.782	ug/l	98
43) Isopropyl Acetate	9.24	43	380071	58.792	ug/l #	96
44) Trichloroethene	8.54	130	541974	56.213	ug/l	98
45) 1,2-Dichloropropane	8.93	63	375640	57.090	ug/l	99
46) Dibromomethane	9.06	93	254585	56.447	ug/l	96
47) Bromodichloromethane	9.37	83	585430	55.380	ug/l	100
48) Methyl methacrylate	9.11	41	192160	55.691	ug/l	93
49) 1,4-Dioxane	9.07	88	44337	1171.128	ug/l	88
51) 4-Methyl-2-Pentanone	10.30	43	1071436	278.410	ug/l	99
52) Toluene	10.51	92	837166	51.322	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	462947	50.392	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	602584	53.715	ug/l	100
55) 1,1,2-Trichloroethane	11.19	97	290184	53.583	ug/l	98
56) Ethyl methacrylate	11.04	69	337094	58.332	ug/l	98
57) 1,3-Dichloropropane	11.40	76	435780	53.281	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	718312	238.927	ug/l	100
59) 2-Hexanone	11.53	43	862393	308.541	ug/l	99
60) Dibromochloromethane	11.68	129	456932	53.870	ug/l	98
61) 1,2-Dibromoethane	11.80	107	357184	56.448	ug/l	99
64) Tetrachloroethene	11.26	164	368694	50.073	ug/l	98
65) Chlorobenzene	12.40	112	970186	49.279	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	424262	55.583	ug/l	98
67) Ethyl Benzene	12.53	91	1657224	55.003	ug/l	99
68) m/p-Xylenes	12.66	106	1146442	97.476	ug/l	99
69) o-Xylene	13.05	106	571895	52.428	ug/l	99
70) Styrene	13.07	104	999504	53.991	ug/l	99
71) Bromoform	13.23	173	256425	54.898	ug/l	99
73) Isopropylbenzene	13.40	105	1407641	48.727	ug/l	98
74) N-amyl acetate	13.26	43	438907	58.072	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	317924	56.751	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	326652	59.138	ug/l	100
77) Bromobenzene	13.67	156	473776	58.713	ug/l	99
78) n-propylbenzene	13.78	91	1800655	55.248	ug/l	94
79) 2-Chlorotoluene	13.83	91	1109568	58.471	ug/l	99
80) 1,3,5-Trimethylbenzene	14.24	105	1244997	54.630	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	113181	64.928	ug/l	96
82) 4-Chlorotoluene	13.94	91	1163004	56.060	ug/l	99
83) tert-Butylbenzene	14.19	119	1496310	57.505	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	1244997	54.630	ug/l	100
85) sec-Butylbenzene	14.37	105	1483406	51.190	ug/l	99
86) p-Isopropyltoluene	14.48	119	1461248	56.521	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	819095	57.266	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	728346	52.568	ug/l	99
89) n-Butylbenzene	14.80	91	1169206	50.939	ug/l	95
90) Hexachloroethane	15.01	117	394272	56.880	ug/l	96
91) 1,2-Dichlorobenzene	14.81	146	609193	53.377	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	44517	63.593	ug/l	93

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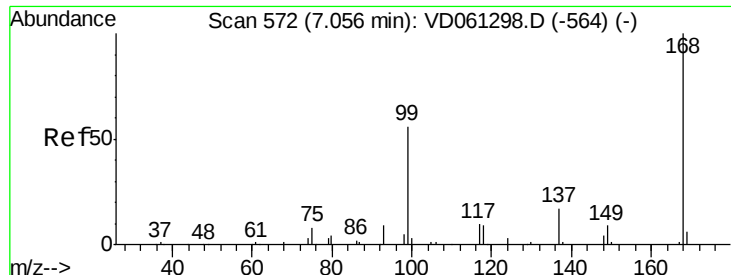
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	298910	56.709	ug/l	97
94) Hexachlorobutadiene	16.04	225	238074	56.055	ug/l	98
95) Naphthalene	16.12	128	470563	61.184	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	136837	55.583	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.00 min

Lab File: VD061331.D

Acq: 26 Mar 2019 9:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 730572

Ion Ratio Lower Upper

168 100

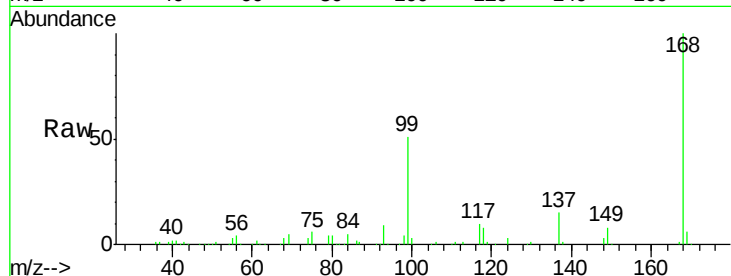
99 50.9 45.8 68.8

Manual Integrations

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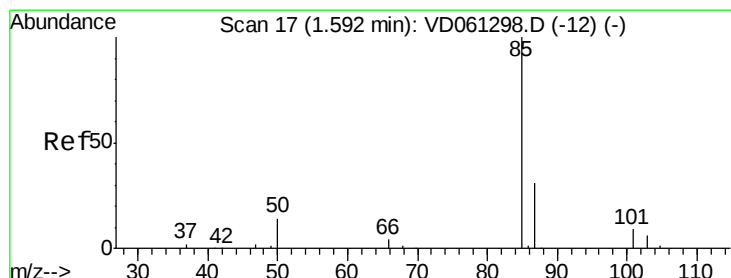
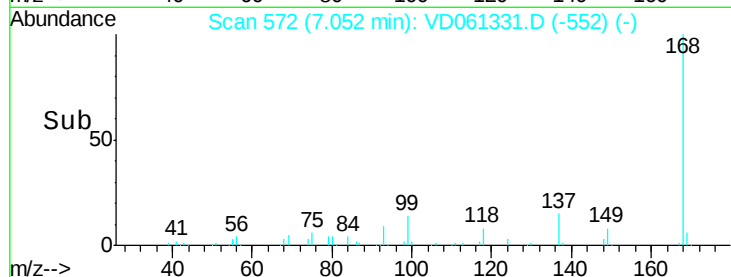
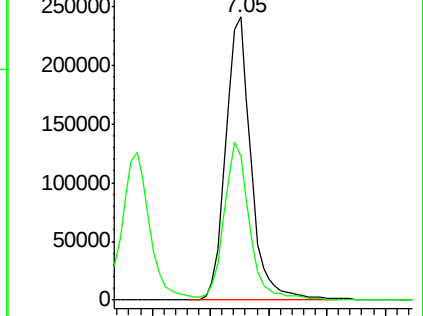
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 54.603 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.00 min

Lab File: VD061331.D

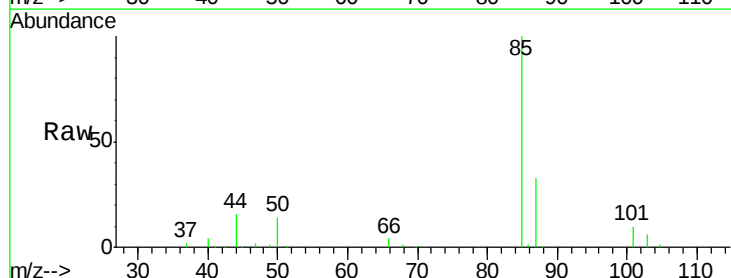
Acq: 26 Mar 2019 9:25

Tgt Ion: 85 Resp: 407858

Ion Ratio Lower Upper

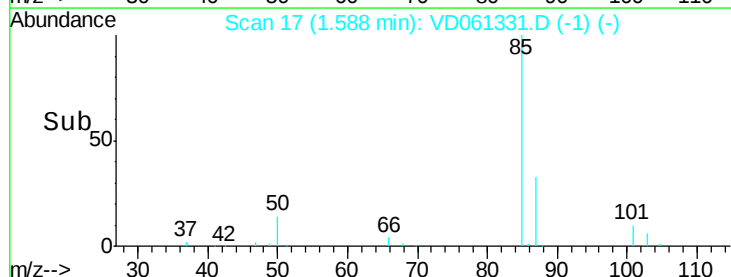
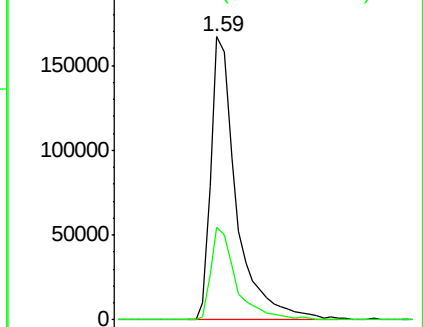
85 100

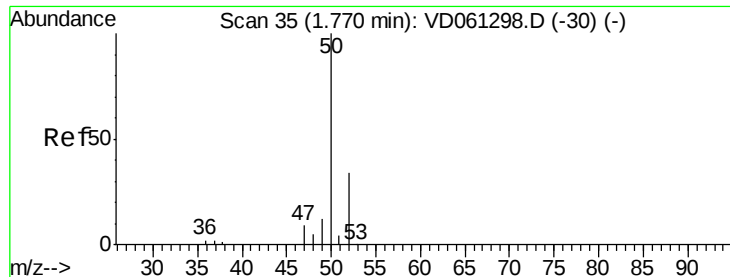
87 32.8 15.4 46.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 52.233 ug/l

RT: 1.77 min Scan# 35

Delta R.T. -0.00 min

Lab File: VD061331.D

Acq: 26 Mar 2019 9:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 304352

Ion Ratio Lower Upper

50 100

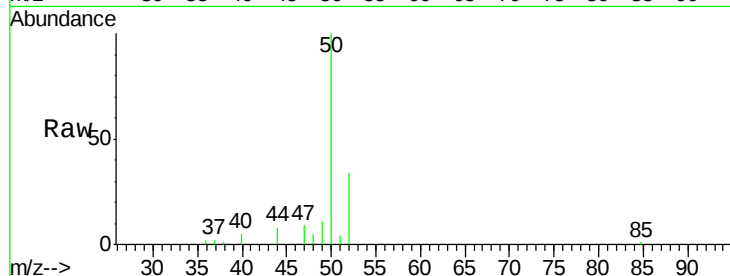
52 34.2 27.1 40.7

Manual Integrations

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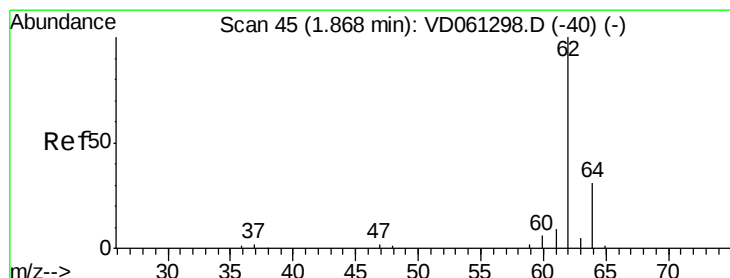
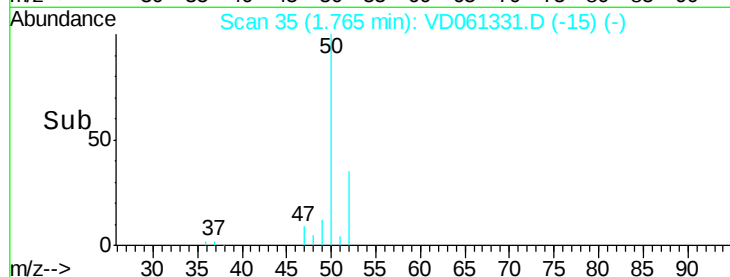
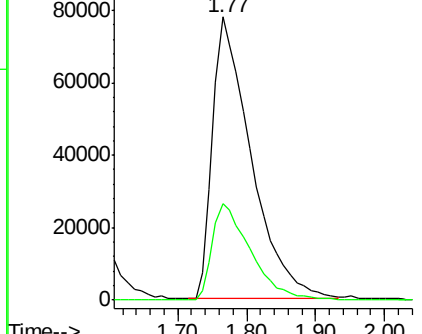
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 57.601 ug/l

RT: 1.86 min Scan# 45

Delta R.T. -0.00 min

Lab File: VD061331.D

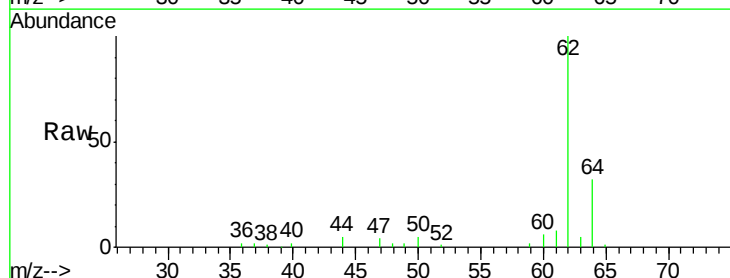
Acq: 26 Mar 2019 9:25

Tgt Ion: 62 Resp: 313821

Ion Ratio Lower Upper

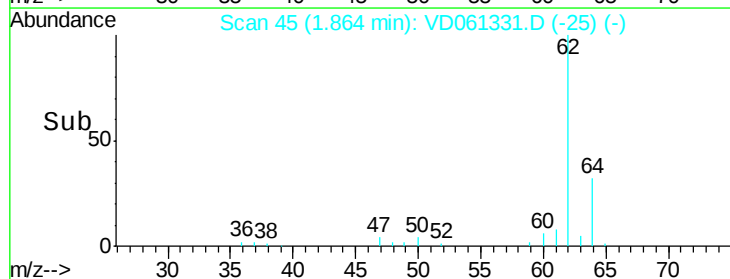
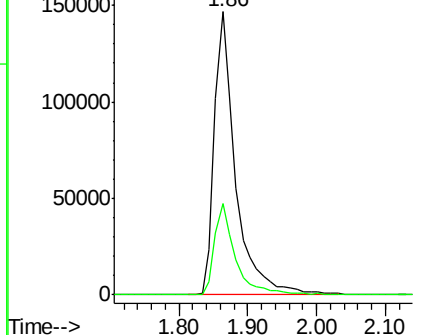
62 100

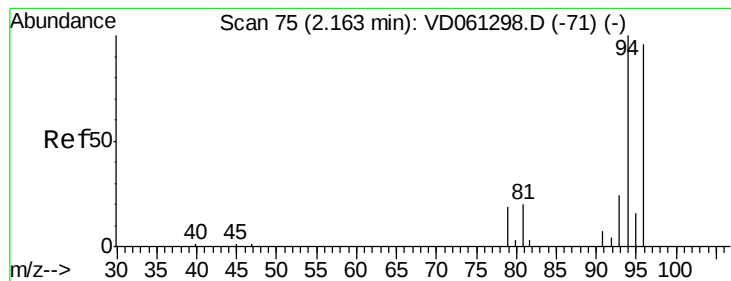
64 32.3 25.1 37.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 55.917 ug/l

RT: 2.16 min Scan# 75

Delta R.T. -0.00 min

Lab File: VD061331.D

Acq: 26 Mar 2019 9:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 61833

Ion Ratio Lower Upper

94 100

96 88.3 76.9 115.3

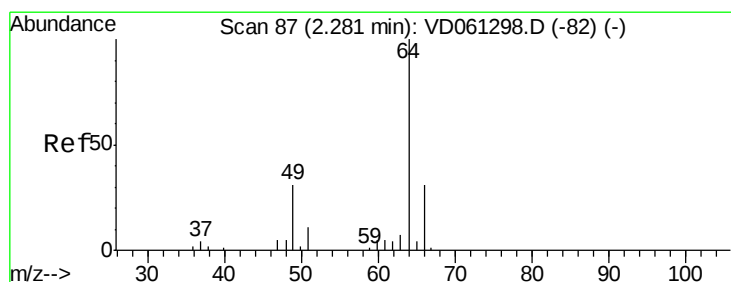
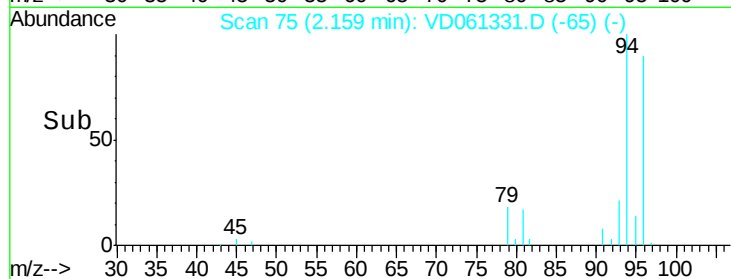
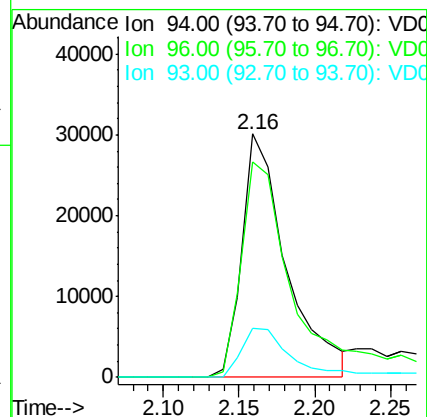
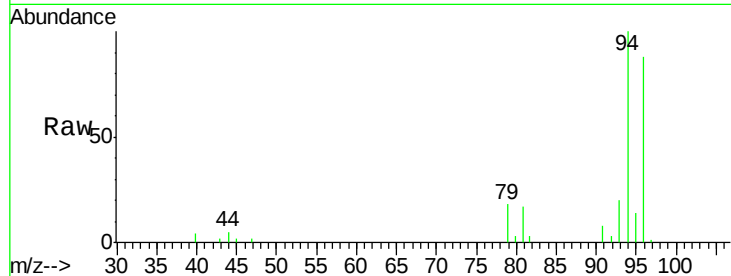
93 20.3 18.8 28.2

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#6

Chloroethane

Concen: 61.055 ug/l

RT: 2.28 min Scan# 87

Delta R.T. -0.00 min

Lab File: VD061331.D

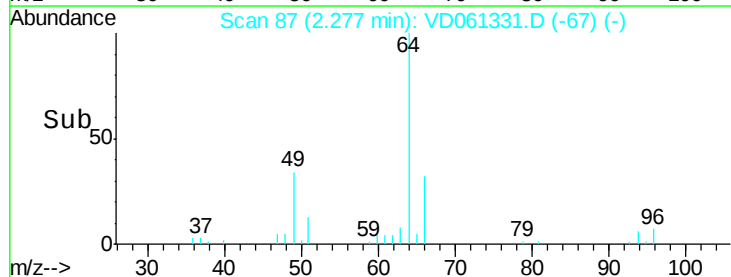
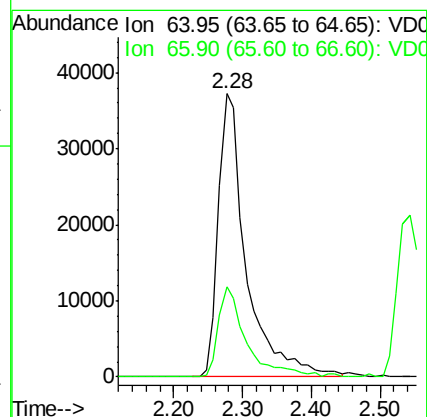
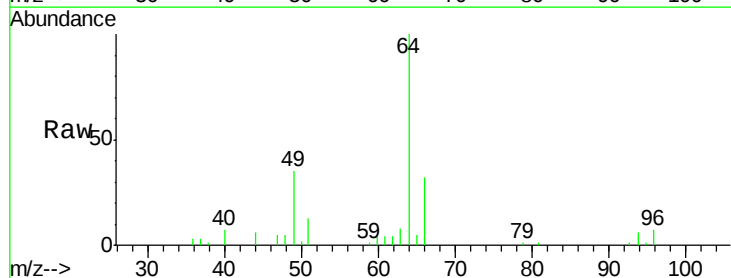
Acq: 26 Mar 2019 9:25

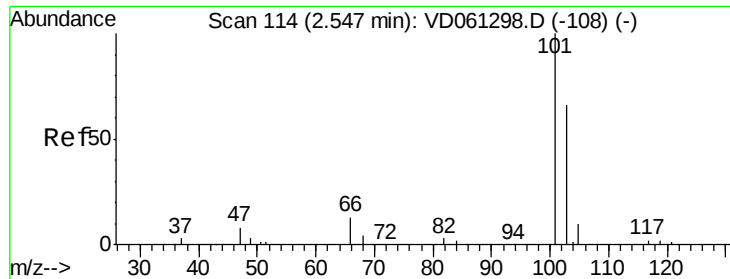
Tgt Ion: 64 Resp: 104647

Ion Ratio Lower Upper

64 100

66 31.6 24.6 36.8





#7

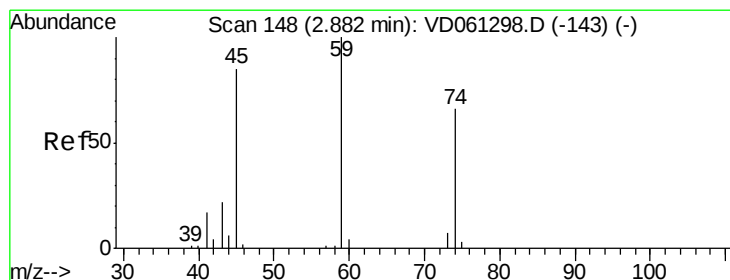
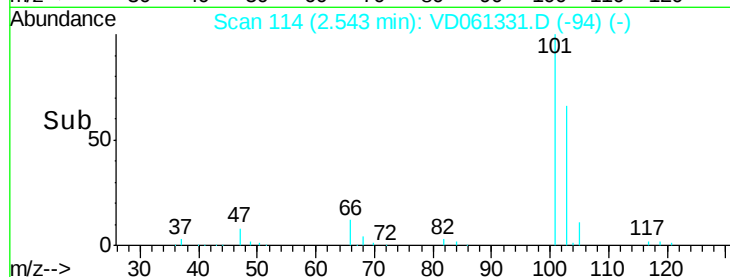
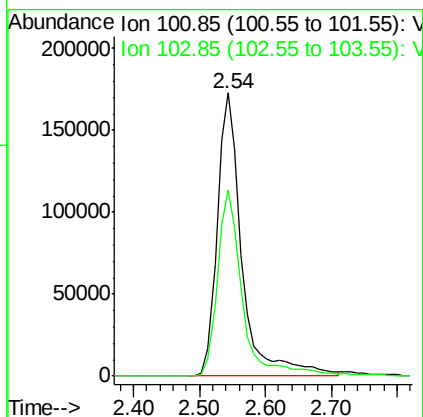
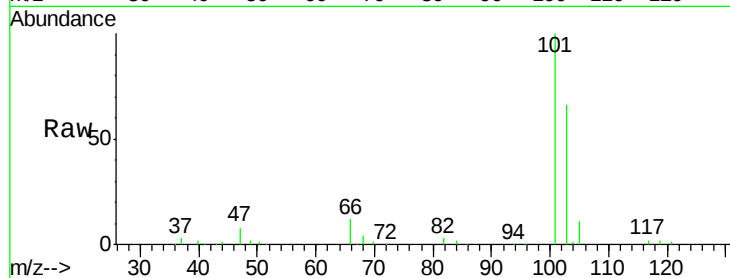
Trichlorofluoromethane
 Concen: 55.885 ug/l
 RT: 2.54 min Scan# 114
 Delta R.T. -0.00 min
 Lab File: VD061331.D
 Acq: 26 Mar 2019 9:25

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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.6	79.0

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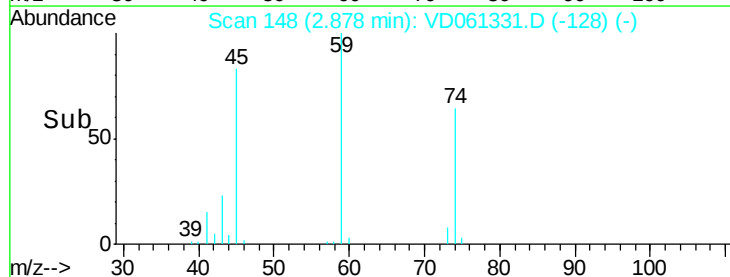
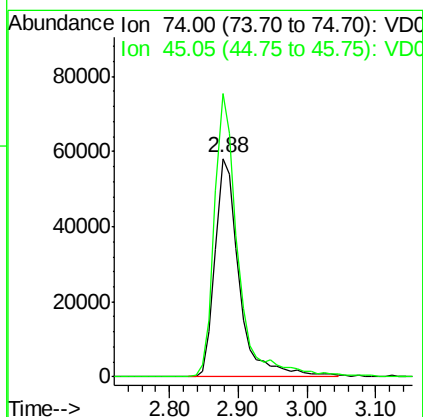
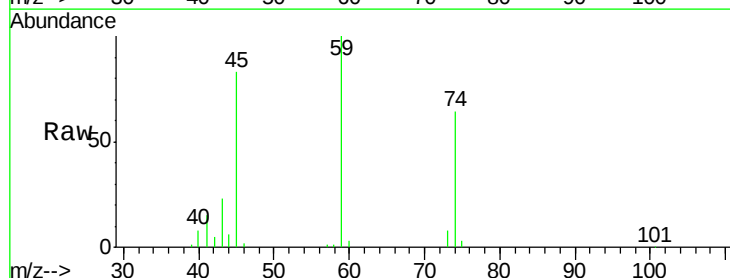
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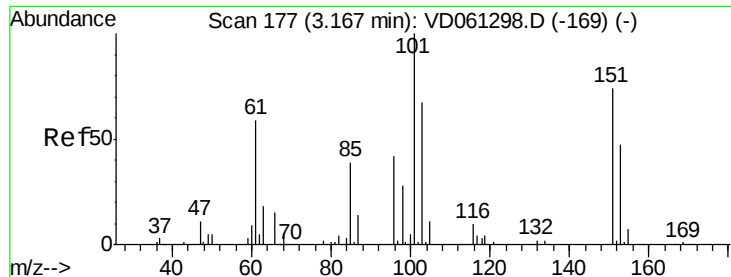


#8

Diethyl Ether
 Concen: 59.529 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. -0.00 min
 Lab File: VD061331.D
 Acq: 26 Mar 2019 9:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	129.5	64.3	192.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.260 ug/l

RT: 3.16 min Scan# 177

Delta R.T. -0.00 min

Lab File: VD061331.D

Acq: 26 Mar 2019 9:25

Instrument :

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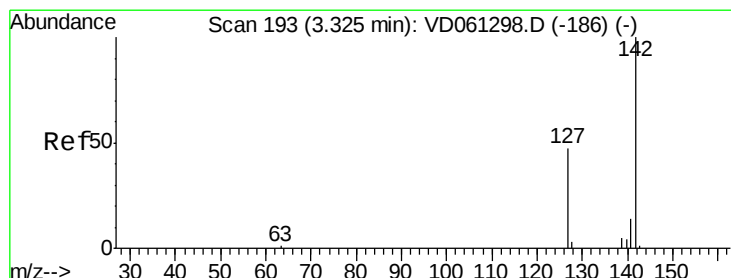
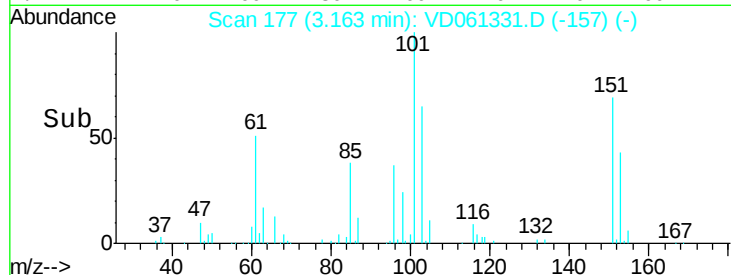
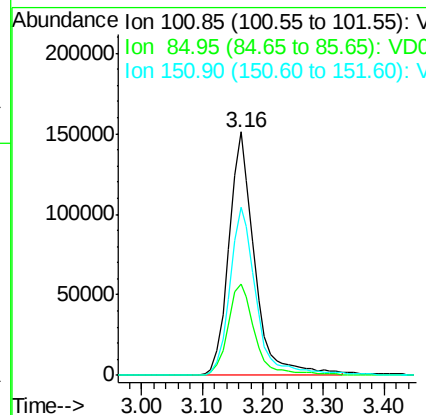
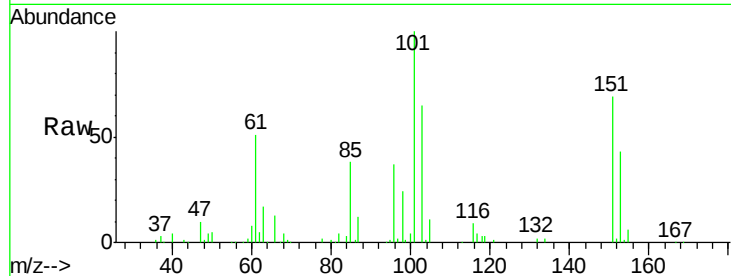
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	444763
Ion Ratio	Lower	Upper	
101	100		
85	37.5	31.6	47.4
151	69.1	59.3	88.9

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#10

Methyl Iodide

Concen: 63.214 ug/l

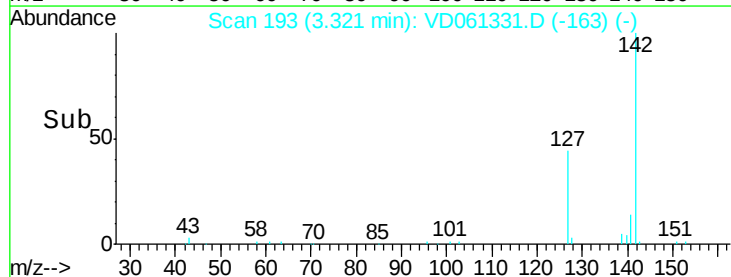
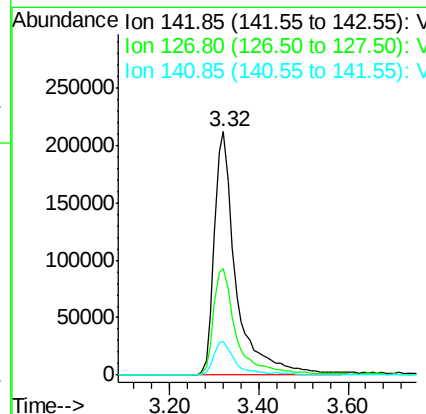
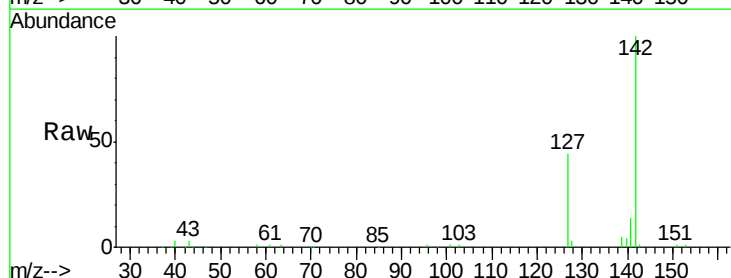
RT: 3.32 min Scan# 193

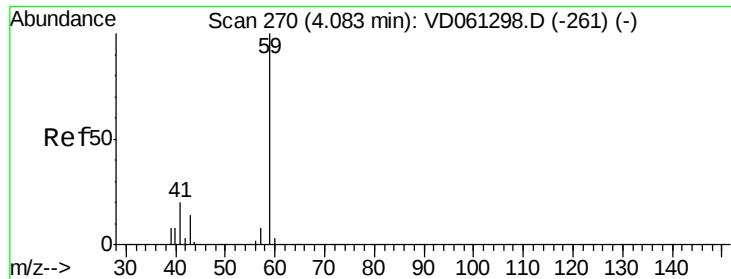
Delta R.T. -0.00 min

Lab File: VD061331.D

Acq: 26 Mar 2019 9:25

Tgt Ion:	142	Resp:	723895
Ion Ratio	Lower	Upper	
142	100		
127	43.7	37.8	56.6
141	13.6	11.6	17.4





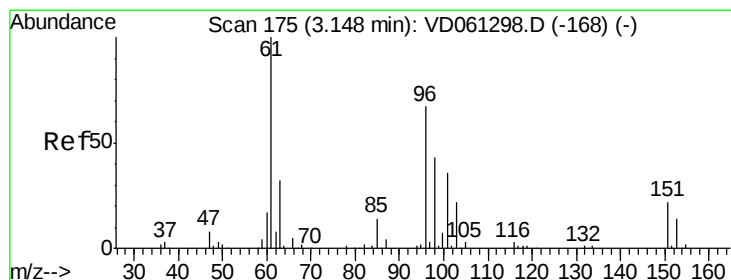
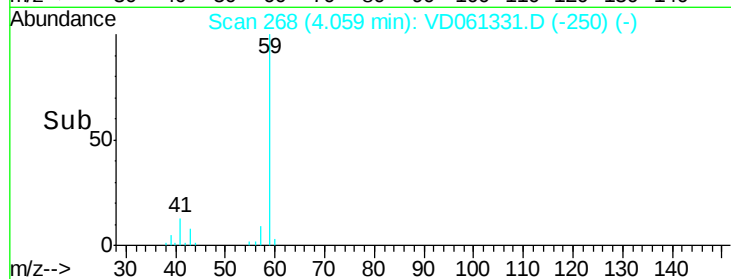
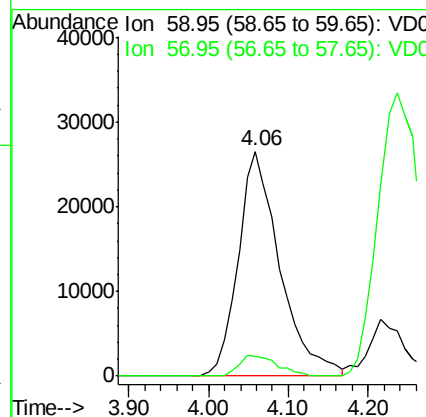
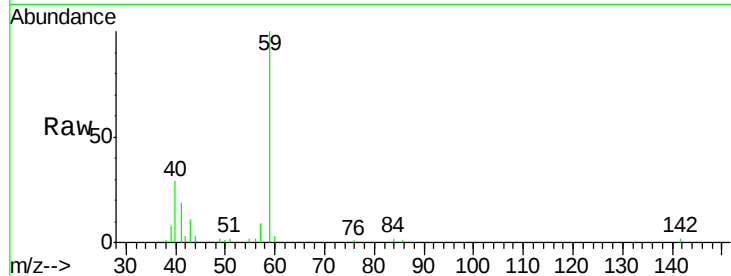
#11
Tert butyl alcohol
Concen: 285.955 ug/l
RT: 4.06 min Scan# 268
Delta R.T. -0.02 min
Lab File: VD061331.D
Acq: 26 Mar 2019 9:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	95948		
57	57	8.7		6.6	9.8

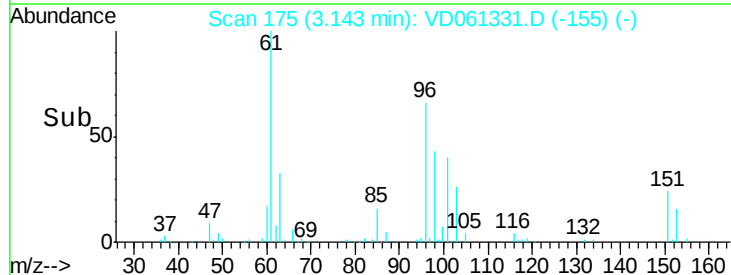
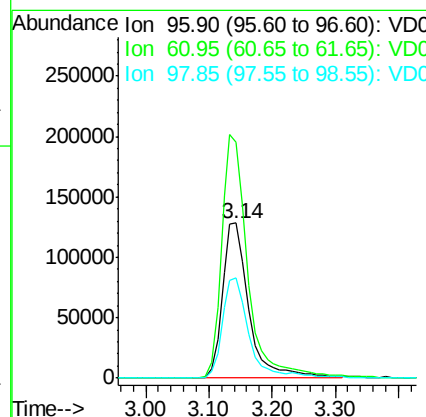
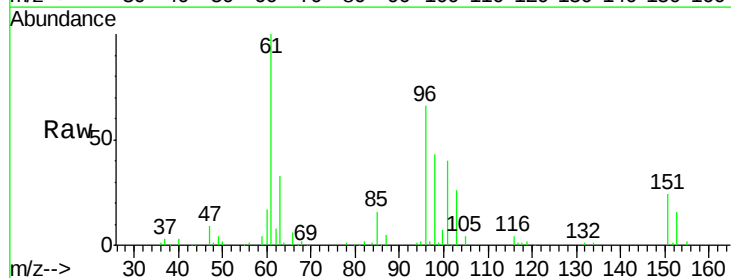
Manual Integrations
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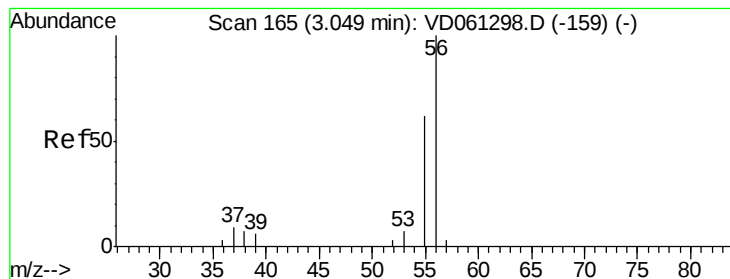
MMDadoda
3/26/2019 11:59:58 AM



#12
1,1-Dichloroethene
Concen: 53.565 ug/l
RT: 3.14 min Scan# 175
Delta R.T. -0.00 min
Lab File: VD061331.D
Acq: 26 Mar 2019 9:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	377798		
61	61	152.5		120.2	180.2
98	98	65.0		52.2	78.4





#13

Acrolein

Concen: 231.127 ug/l

RT: 3.04 min Scan# 165

Delta R.T. -0.00 min

Lab File: VD061331.D

Acq: 26 Mar 2019 9:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 84887

Ion Ratio Lower Upper

56 100

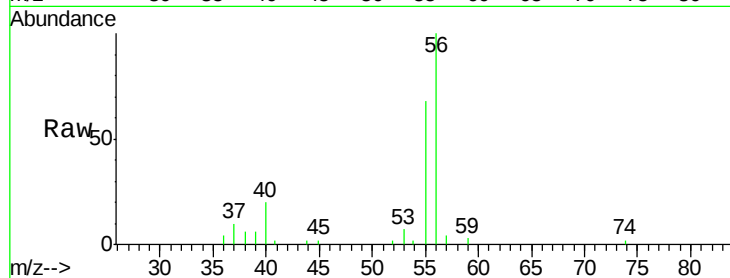
55 68.4 49.8 74.6

Manual Integrations

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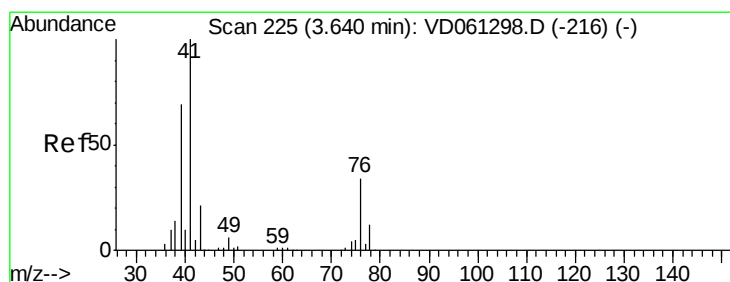
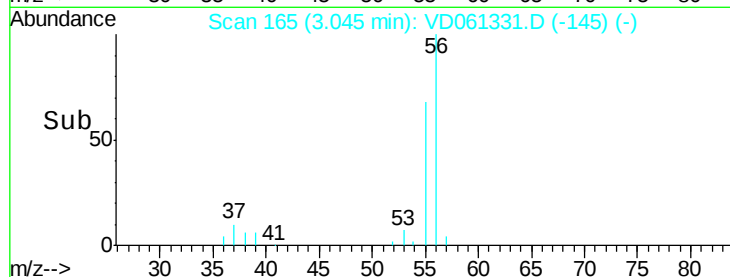
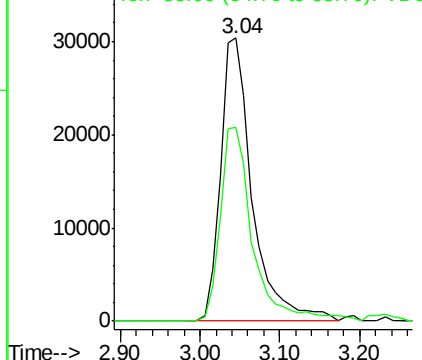
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 58.554 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.01 min

Lab File: VD061331.D

Acq: 26 Mar 2019 9:25

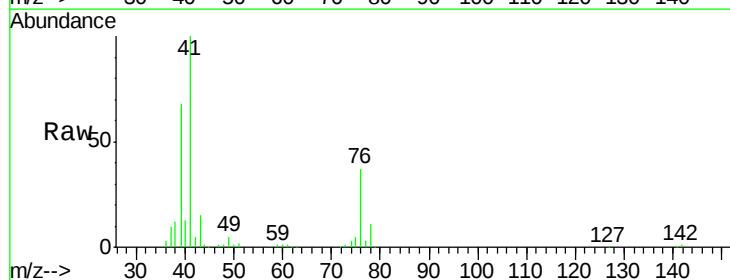
Tgt Ion: 41 Resp: 585858

Ion Ratio Lower Upper

41 100

39 67.6 55.1 82.7

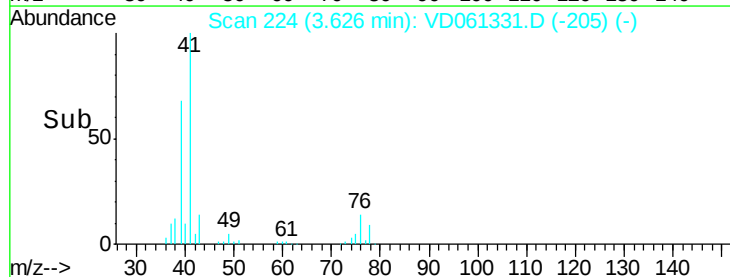
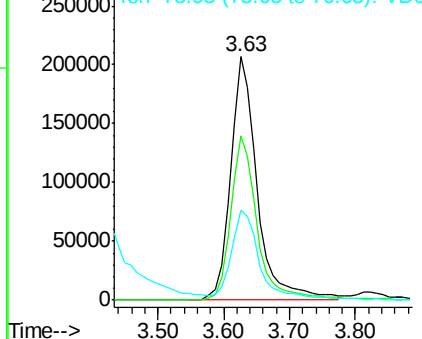
76 36.8 30.2 45.2

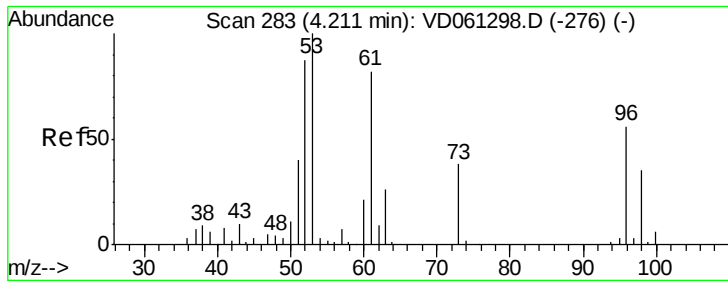


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 288.223 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD061331.D

Acq: 26 Mar 2019 9:25

Instrument :

MSVOA_D

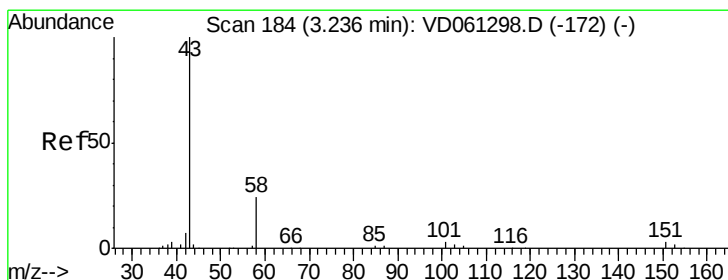
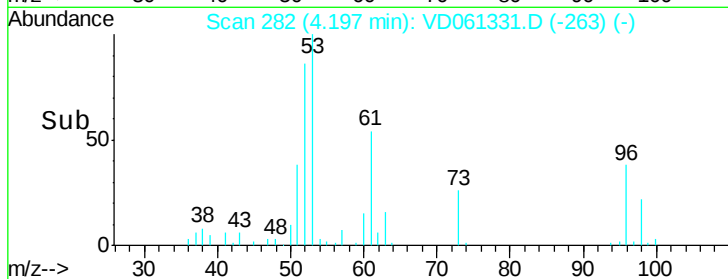
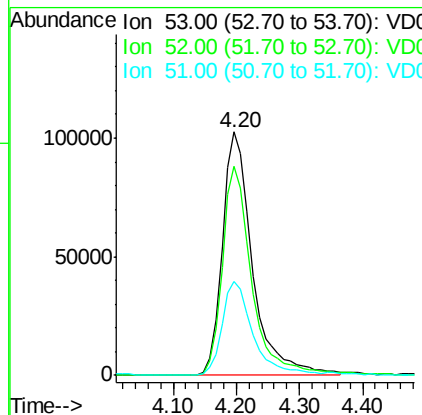
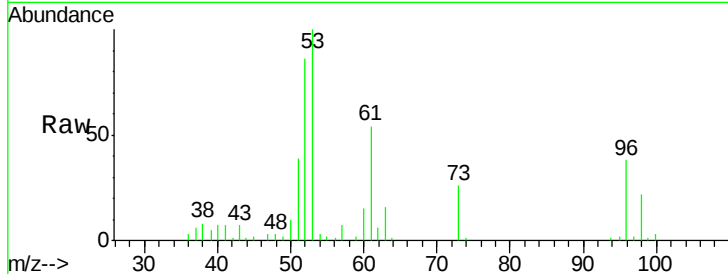
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	340108
Ion	Ratio	Lower	Upper
53	100		
52	85.7	69.4	104.2
51	38.7	31.7	47.5

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#16

Acetone

Concen: 372.323 ug/l

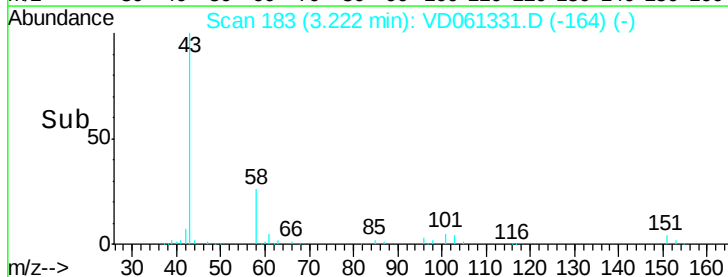
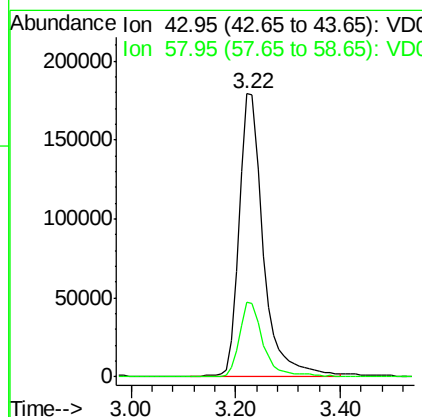
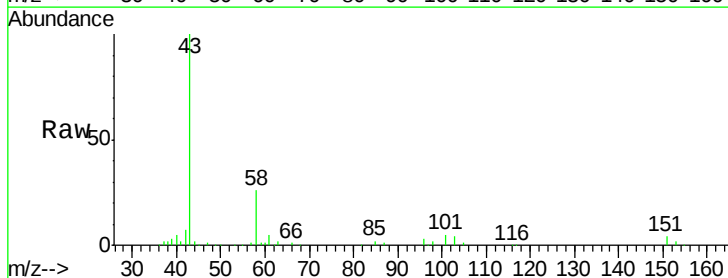
RT: 3.22 min Scan# 183

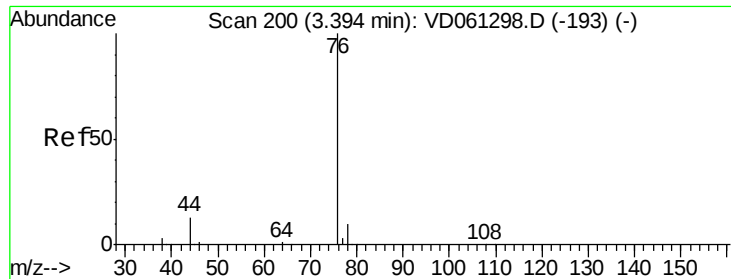
Delta R.T. -0.01 min

Lab File: VD061331.D

Acq: 26 Mar 2019 9:25

Tgt Ion:	43	Resp:	561344
Ion	Ratio	Lower	Upper
43	100		
58	26.4	19.4	29.0





#17

Carbon Disulfide

Concen: 54.788 ug/l

RT: 3.39 min Scan# 200

Delta R.T. -0.00 min

Lab File: VD061331.D

Acq: 26 Mar 2019 9:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 1283377

Ion Ratio Lower Upper

76 100

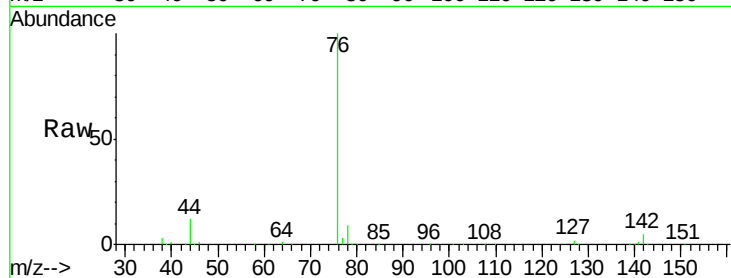
78 8.9 7.8 11.6

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.39

400000

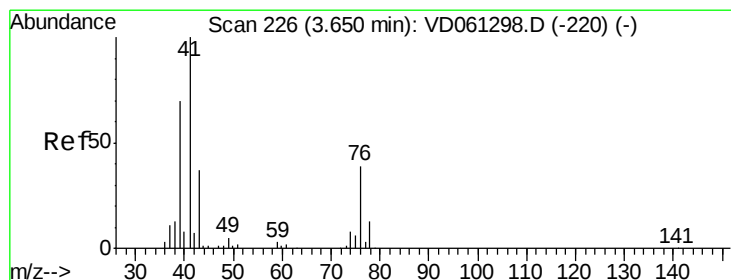
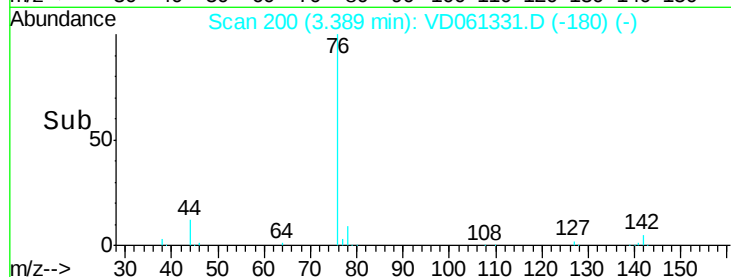
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 57.210 ug/l

RT: 3.65 min Scan# 226

Delta R.T. -0.00 min

Lab File: VD061331.D

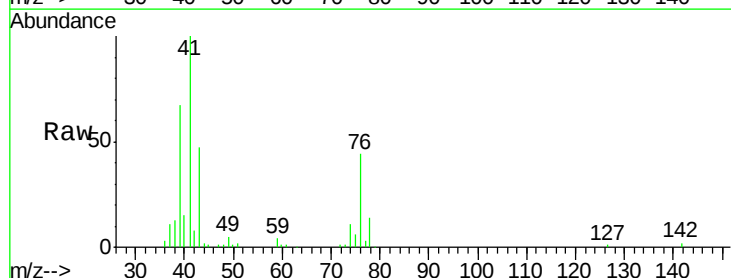
Acq: 26 Mar 2019 9:25

Tgt Ion: 43 Resp: 163038

Ion Ratio Lower Upper

43 100

74 23.4 16.6 25.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.65

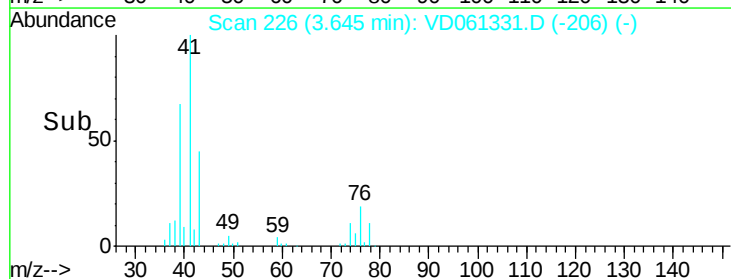
60000

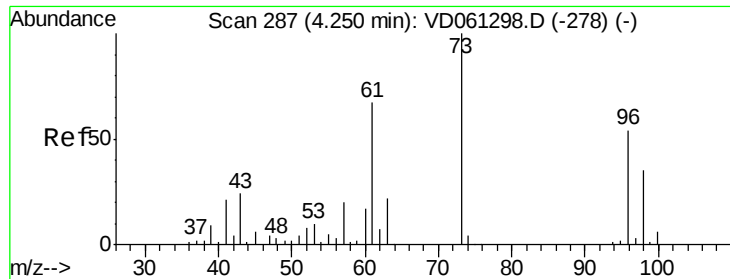
40000

20000

0

Time-->





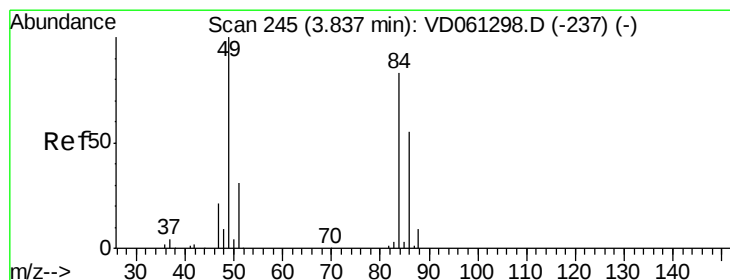
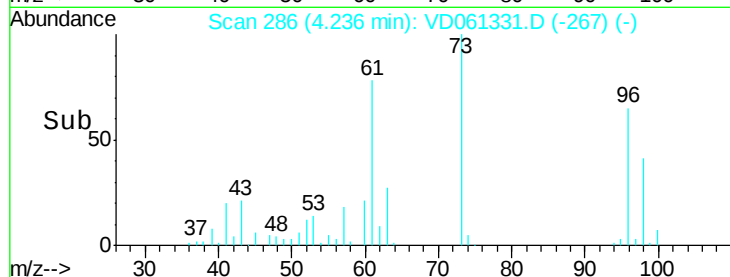
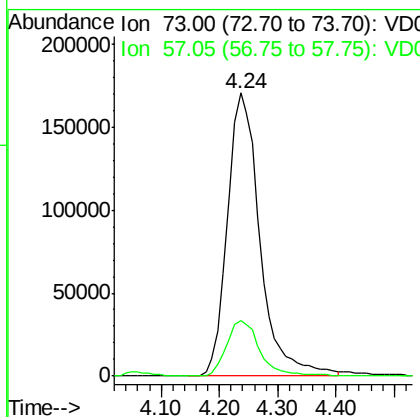
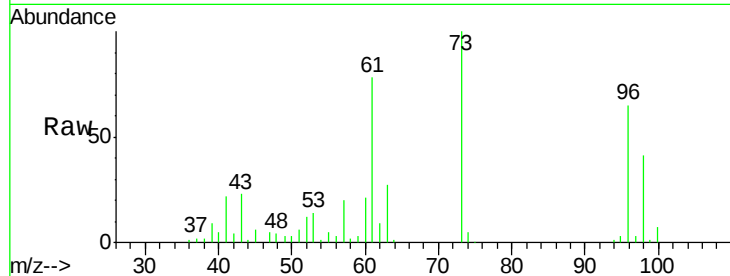
#19
Methyl tert-butyl Ether
Concen: 53.422 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.01 min
Lab File: VD061331.D
Acq: 26 Mar 2019 9:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.6	16.3	24.5

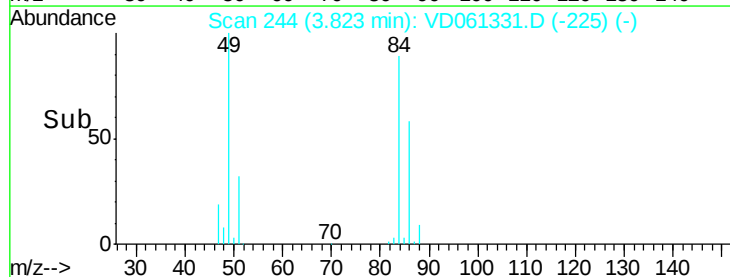
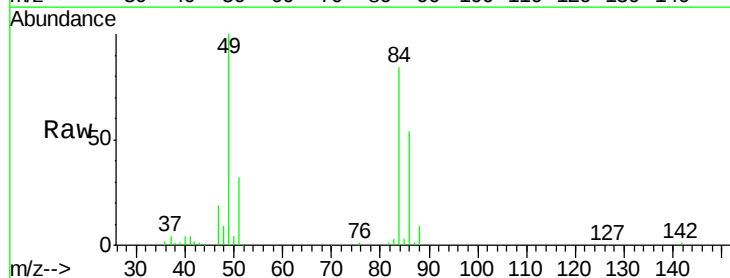
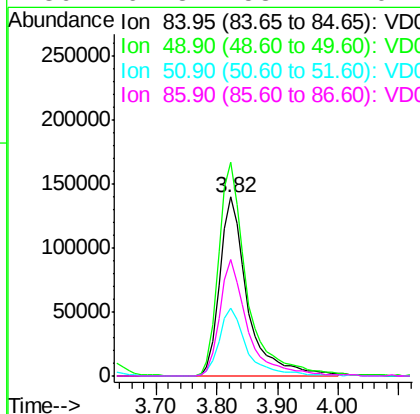
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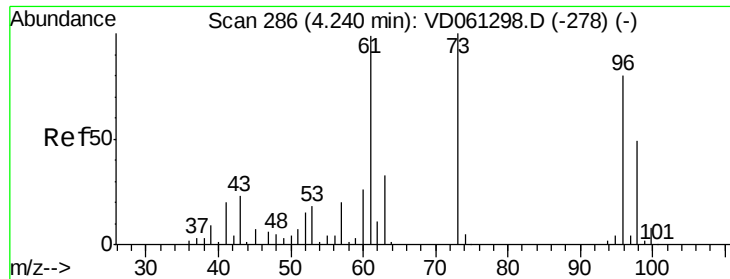
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#20
Methylene Chloride
Concen: 52.223 ug/l
RT: 3.82 min Scan# 244
Delta R.T. -0.01 min
Lab File: VD061331.D
Acq: 26 Mar 2019 9:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.3	96.8	145.2
51	37.8	29.9	44.9
86	64.8	53.1	79.7





#21

trans-1,2-Dichloroethene

Concen: 54.676 ug/l

RT: 4.23 min Scan# 285

Delta R.T. -0.01 min

Lab File: VD061331.D

Acq: 26 Mar 2019 9:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 431417

Ion Ratio Lower Upper

96 100

61 127.7 99.2 148.8

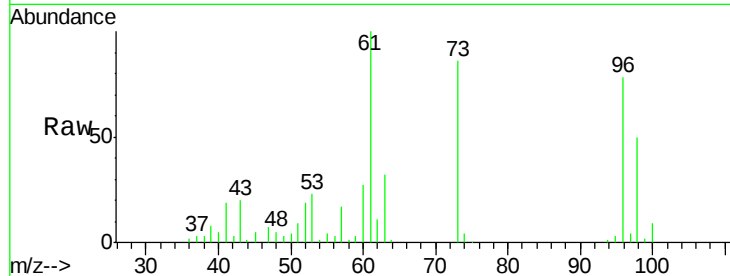
98 64.1 49.2 73.8

Manual Integrations

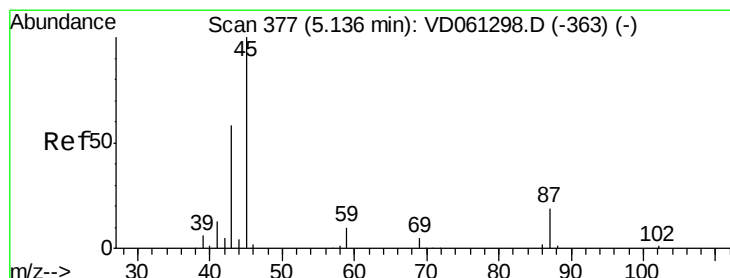
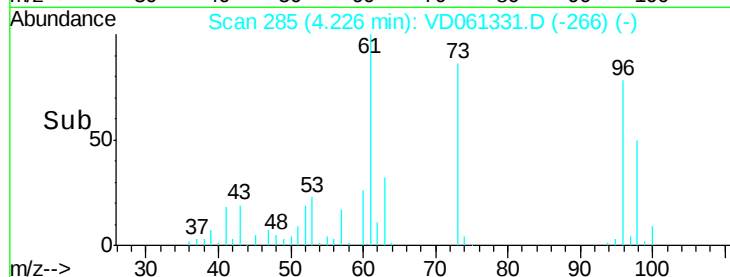
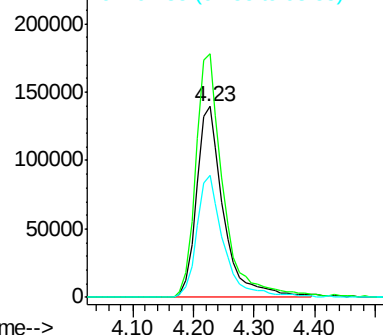
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 55.605 ug/l

RT: 5.12 min Scan# 376

Delta R.T. -0.01 min

Lab File: VD061331.D

Acq: 26 Mar 2019 9:25

Tgt Ion: 45 Resp: 1171999

Ion Ratio Lower Upper

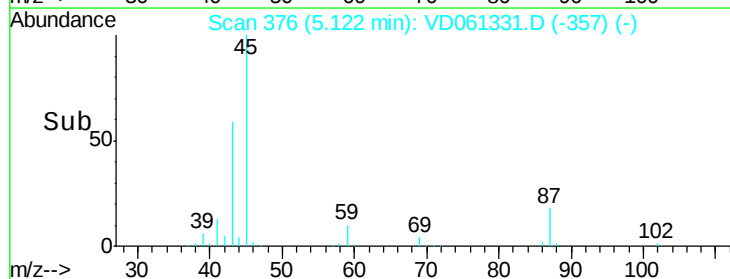
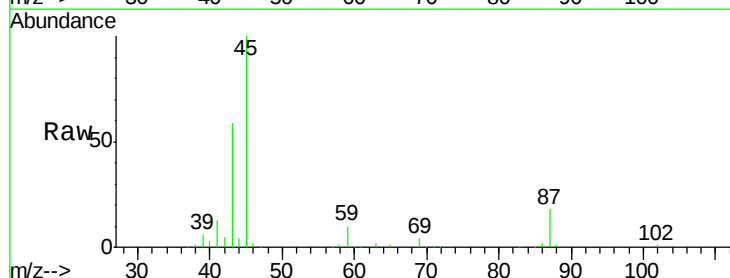
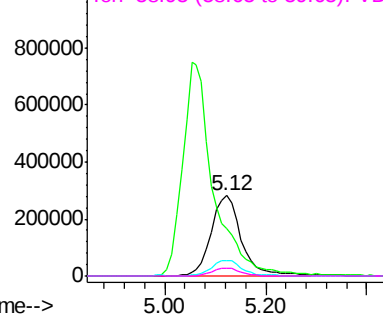
45 100

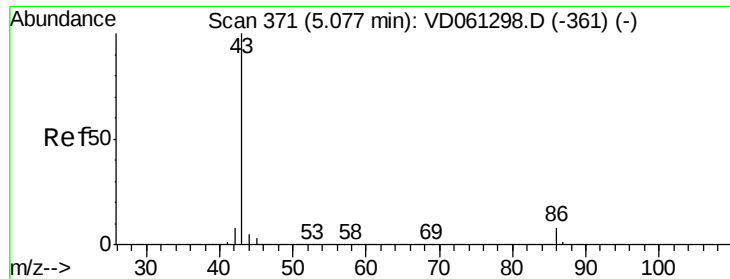
43 59.1 46.7 70.1

87 18.4 15.5 23.3

59 10.1 8.4 12.6

Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





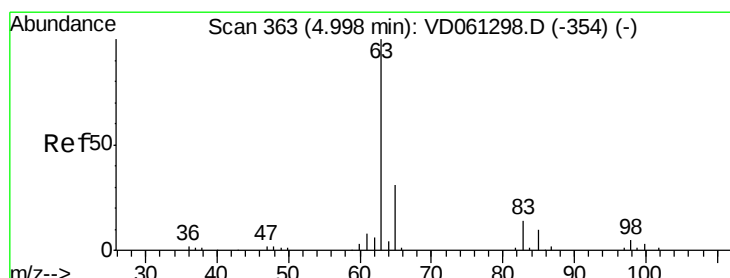
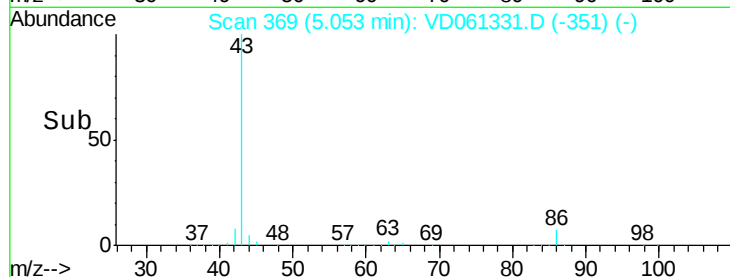
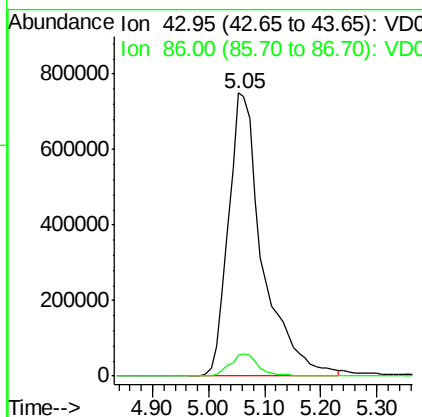
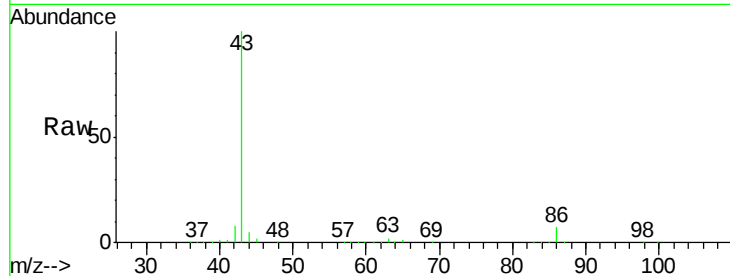
#23
 Vinyl Acetate
 Concen: 281.727 ug/l
 RT: 5.05 min Scan# 369
 Delta R.T. -0.02 min
 Lab File: VD061331.D
 Acq: 26 Mar 2019 9:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 3171478
 Ion Ratio Lower Upper
 43 100
 86 7.3 6.3 9.5

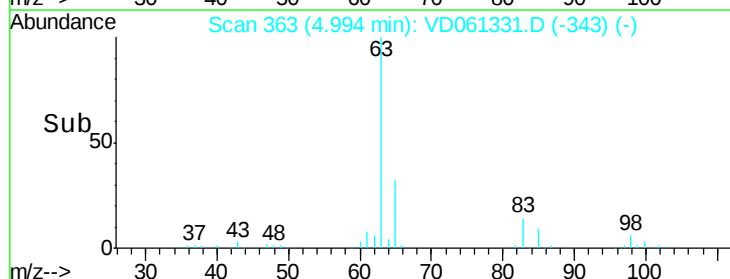
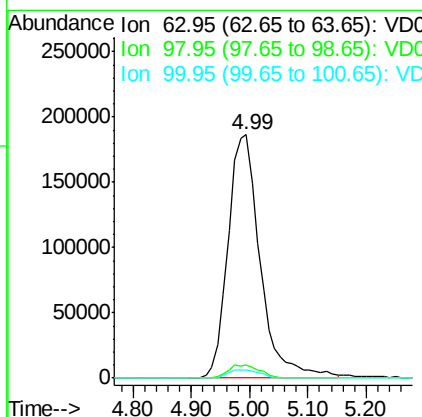
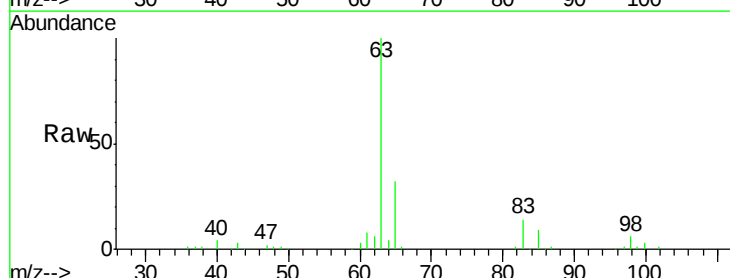
Manual Integrations
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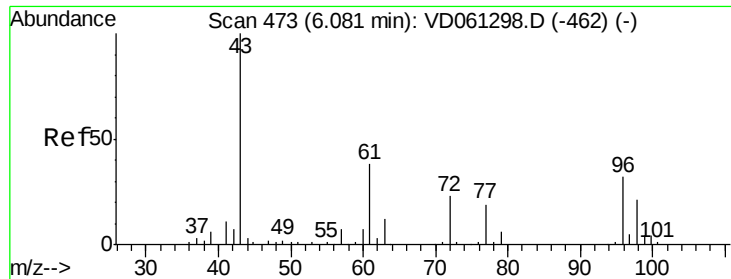
MMDadoda
 3/26/2019 11:59:58 AM



#24
 1,1-Dichloroethane
 Concen: 58.296 ug/l
 RT: 4.99 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VD061331.D
 Acq: 26 Mar 2019 9:25

Tgt Ion: 63 Resp: 716027
 Ion Ratio Lower Upper
 63 100
 98 5.5 2.8 8.3
 100 3.4 1.6 4.8





#25

2-Butanone

Concen: 326.775 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.01 min

Lab File: VD061331.D

Acq: 26 Mar 2019 9:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 569844

Ion Ratio Lower Upper

43 100

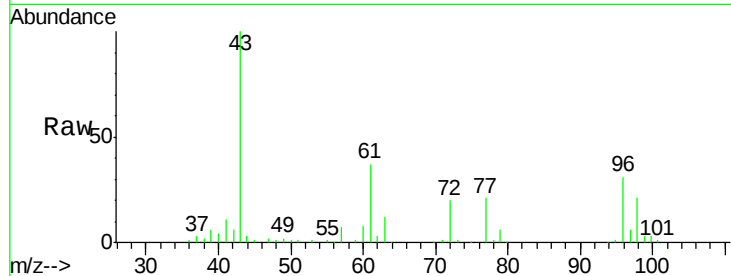
72 20.2 18.5 27.7

Manual Integrations

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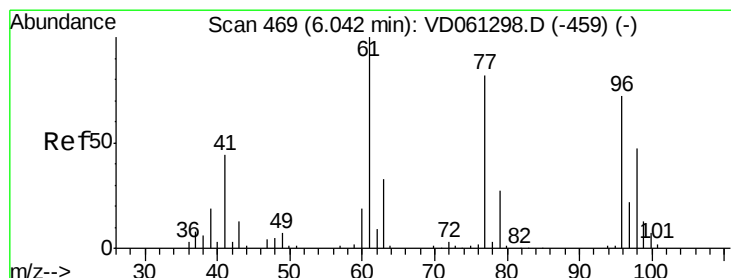
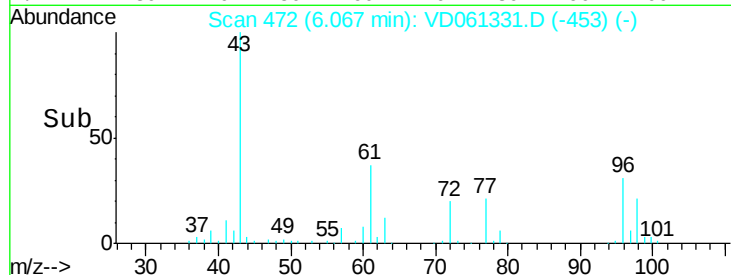
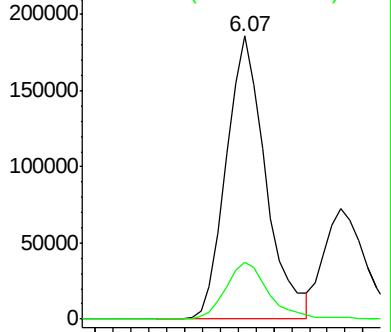
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 54.031 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.02 min

Lab File: VD061331.D

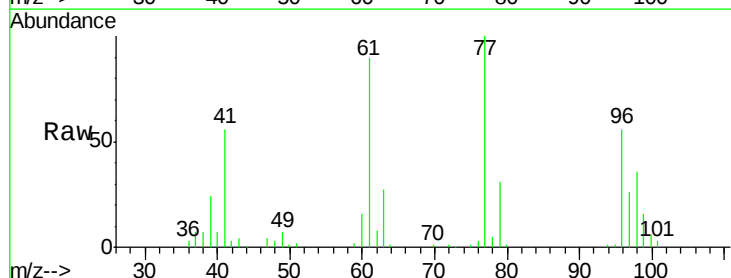
Acq: 26 Mar 2019 9:25

Tgt Ion: 77 Resp: 563516

Ion Ratio Lower Upper

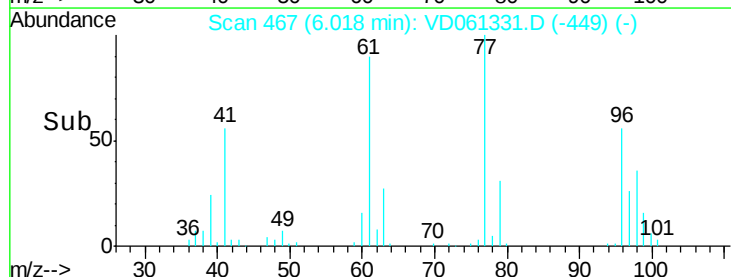
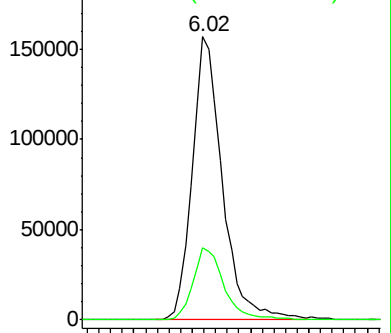
77 100

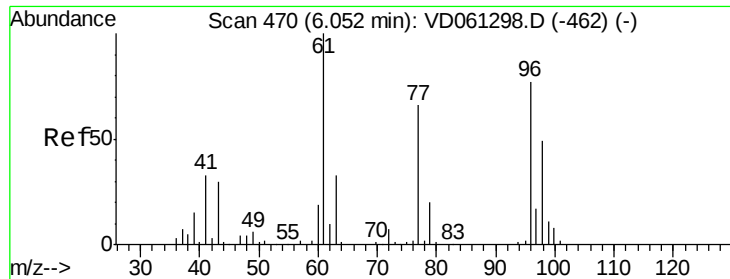
97 25.6 13.5 40.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

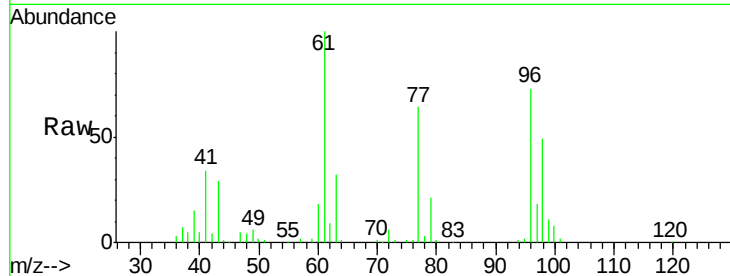
cis-1,2-Dichloroethene
Concen: 55.409 ug/l
RT: 6.04 min Scan# 469
Delta R.T. -0.01 min
Lab File: VD061331.D
Acq: 26 Mar 2019 9:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	470493		
61	137.5	0.0	261.0	
98	68.0	0.0	127.6	

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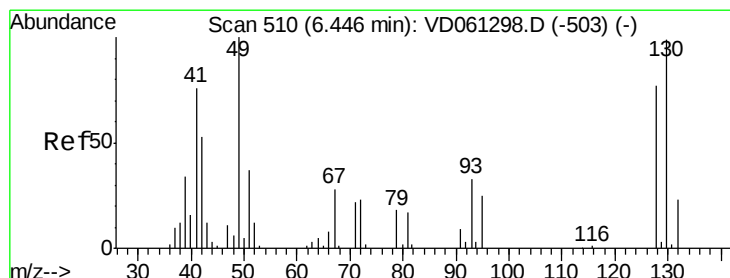
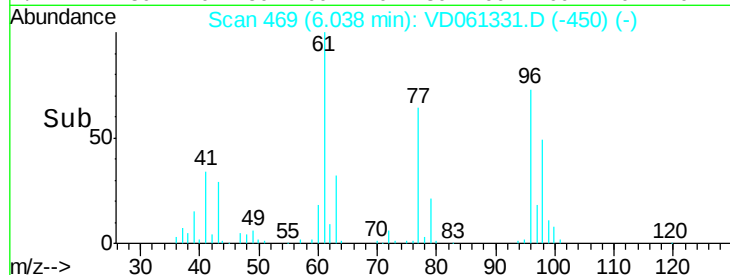
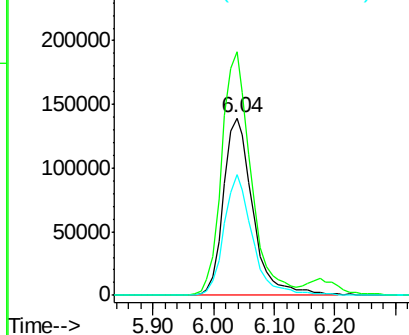


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

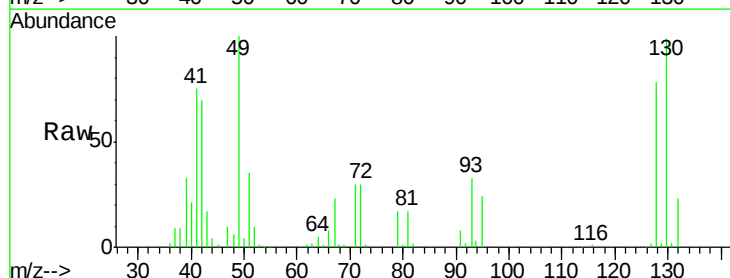
Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane
Concen: 55.167 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD061331.D
Acq: 26 Mar 2019 9:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	283619		
129	2.3	0.0	5.2	
130	98.6	79.0	118.6	

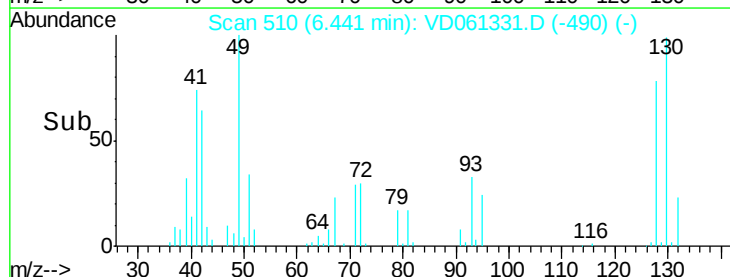
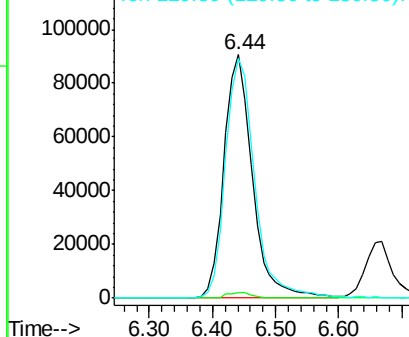


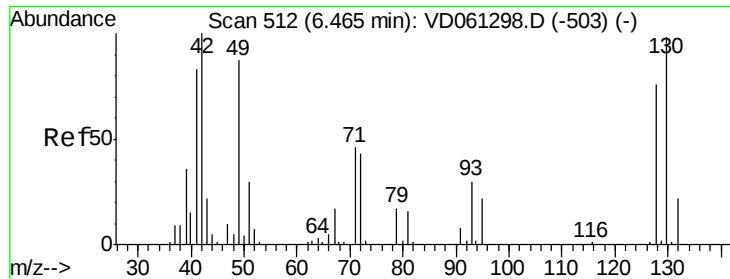
Abundance

Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





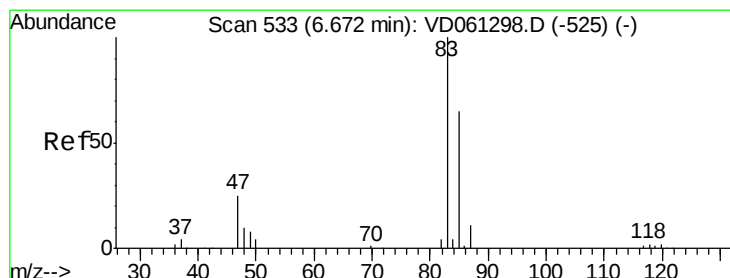
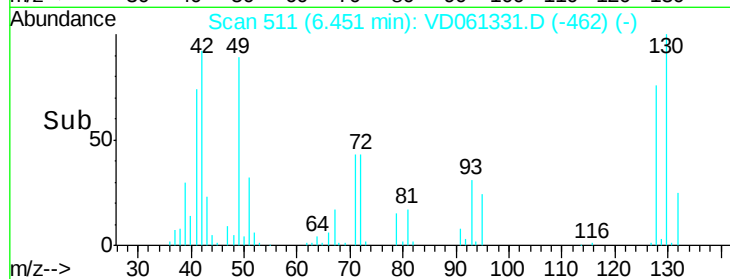
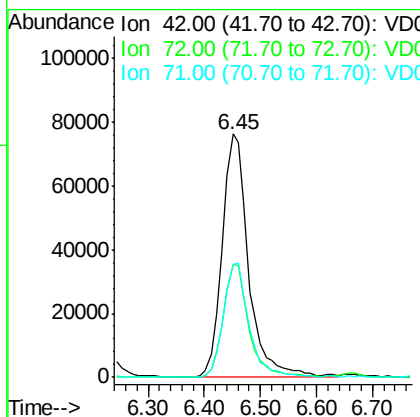
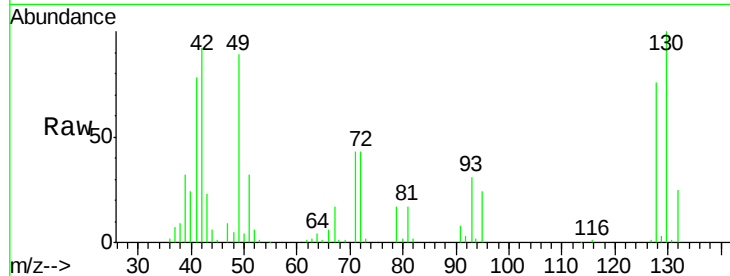
#29
Tetrahydrofuran
Concen: 288.077 ug/l
RT: 6.45 min Scan# 511
Delta R.T. -0.01 min
Lab File: VD061331.D
Acq: 26 Mar 2019 9:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
42	100			
72	45.1	36.6	54.8	
71	45.3	36.3	54.5	

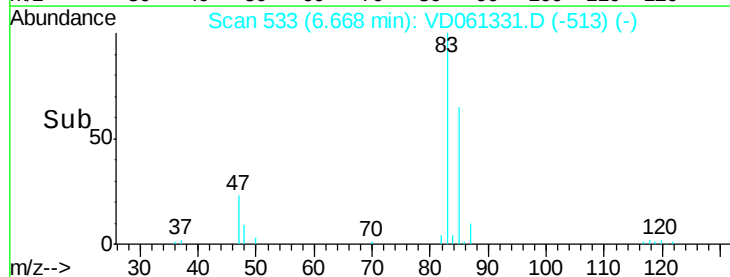
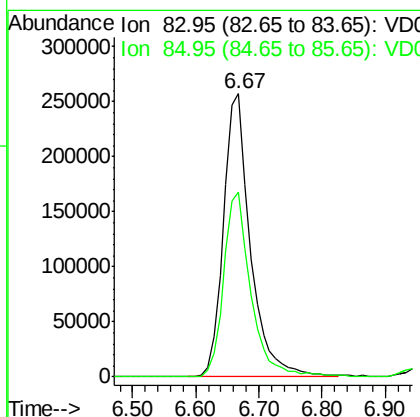
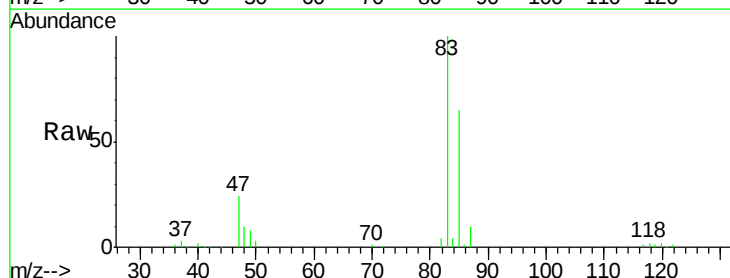
Manual Integrations
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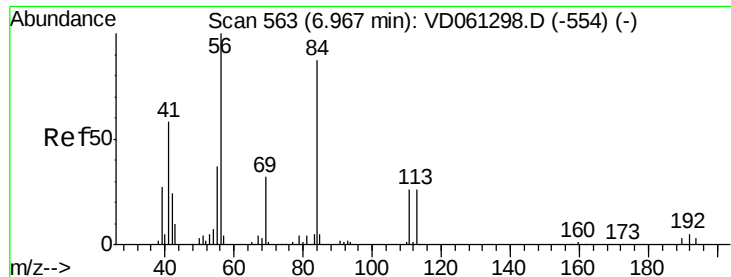
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#30
Chloroform
Concen: 58.410 ug/l
RT: 6.67 min Scan# 533
Delta R.T. -0.00 min
Lab File: VD061331.D
Acq: 26 Mar 2019 9:25

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
85	65.1	52.2	78.2	





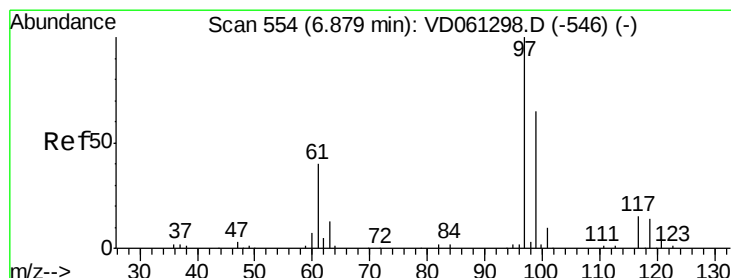
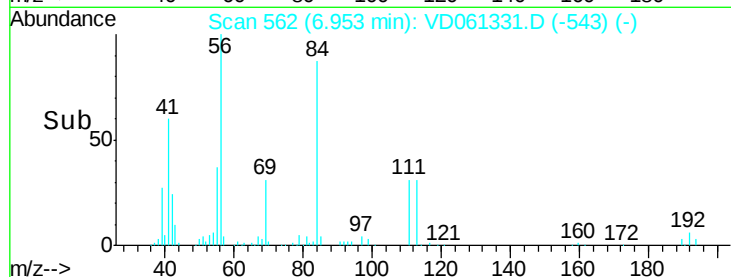
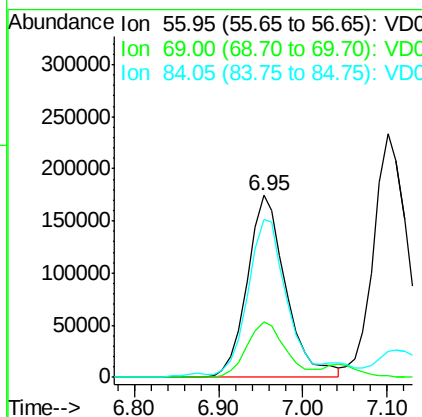
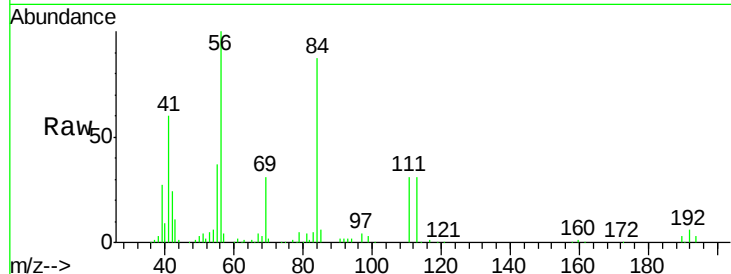
#31
Cvclohexane
Concen: 56.172 ug/l
RT: 6.95 min Scan# 562
Delta R.T. -0.01 min
Lab File: VD061331.D
Acq: 26 Mar 2019 9:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.8	25.5	38.3
84	87.2	71.4	107.2

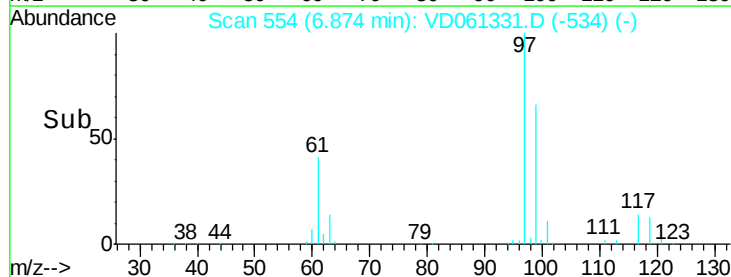
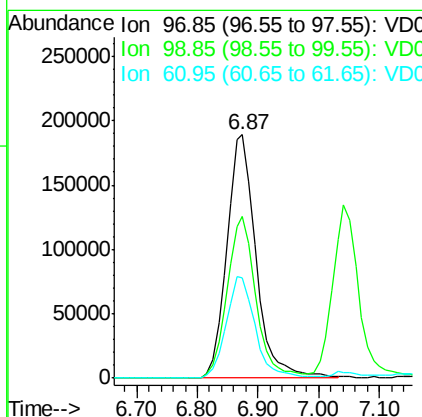
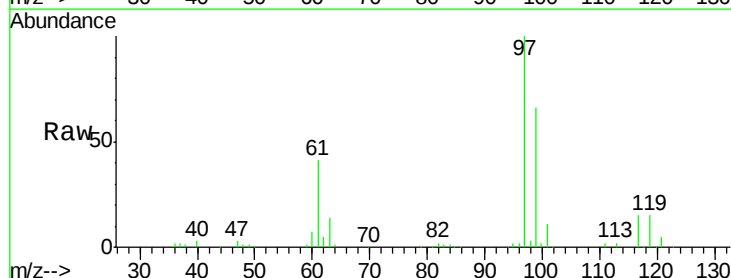
Manual Integrations
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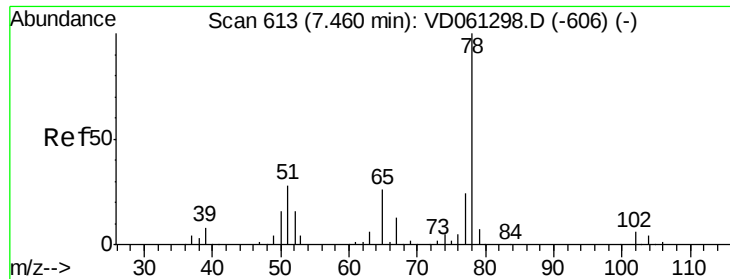
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#32
1,1,1-Trichloroethane
Concen: 54.420 ug/l
RT: 6.87 min Scan# 554
Delta R.T. -0.00 min
Lab File: VD061331.D
Acq: 26 Mar 2019 9:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.5	51.8	77.6
61	41.3	31.9	47.9





#33

1,2-Dichloroethane-d4

Concen: 54.420 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD061331.D

Acq: 26 Mar 2019 9:25

Tot Ion: 65 Resp: 314932

Ion Ratio Lower Upper

65 100

67 49.4 0.0 100.8

Instrument :

MSVOA_D

ClientSampleId :

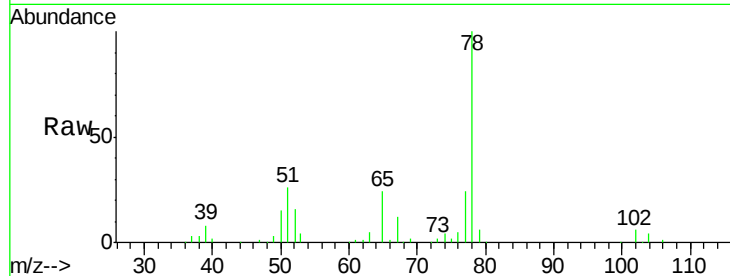
VSTDCCC050EC

Manual Integrations

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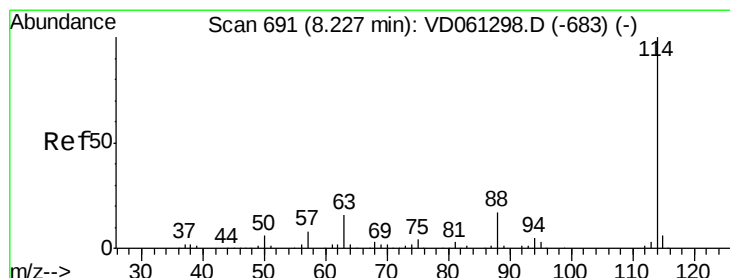
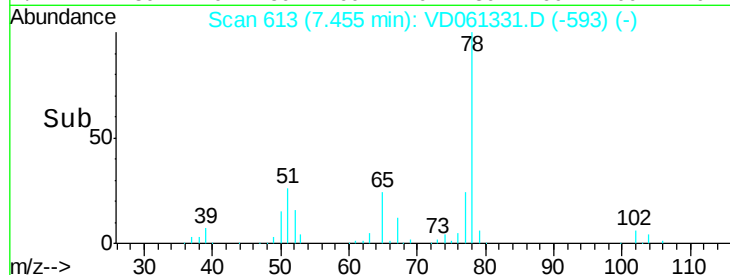
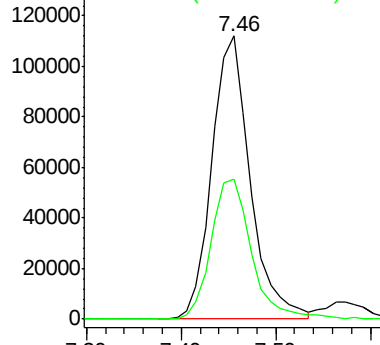
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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD061331.D

Acq: 26 Mar 2019 9:25

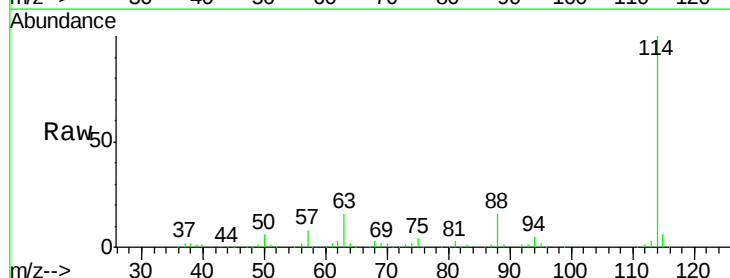
Tgt Ion: 114 Resp: 1312006

Ion Ratio Lower Upper

114 100

63 16.3 0.0 31.4

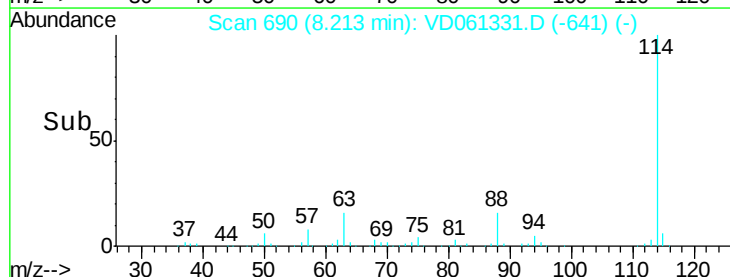
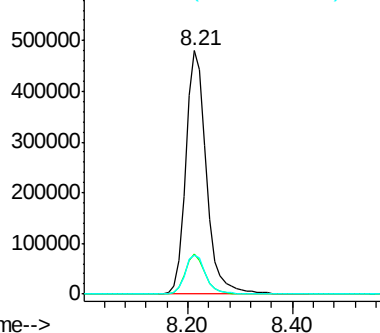
88 16.2 0.0 33.2

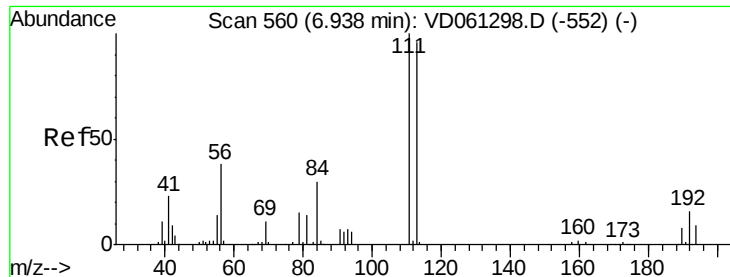


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD061331.D

Acq: 26 Mar 2019 9:25

Instrument :

MSVOA_D

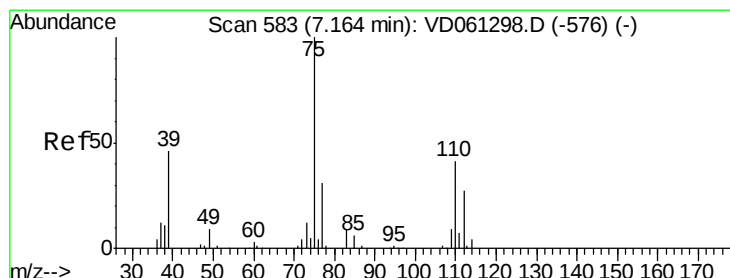
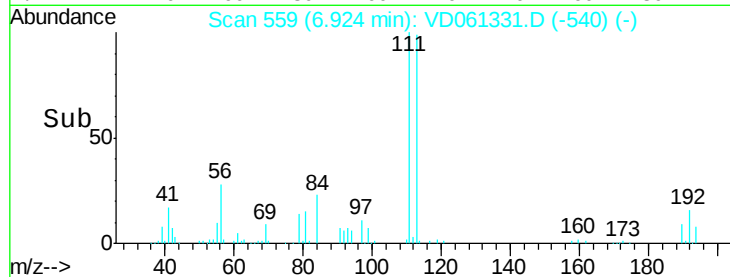
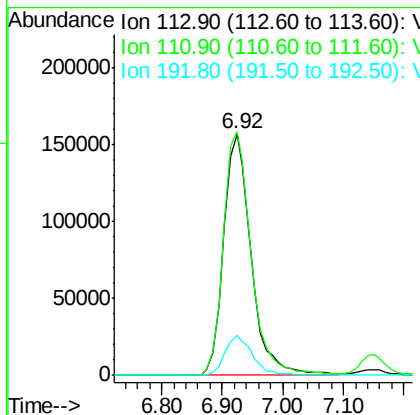
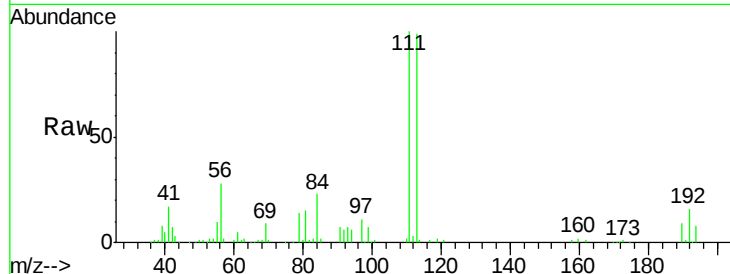
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	494080
Ion	Ratio	Lower	Upper
113	100		
111	101.0	83.7	125.5
192	16.4	13.4	20.0

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#36

1,1-Dichloropropene

Concen: 53.249 ug/l

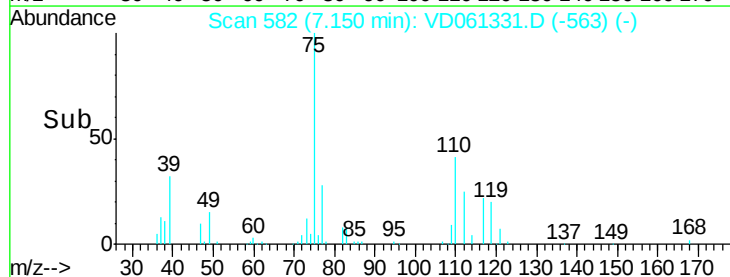
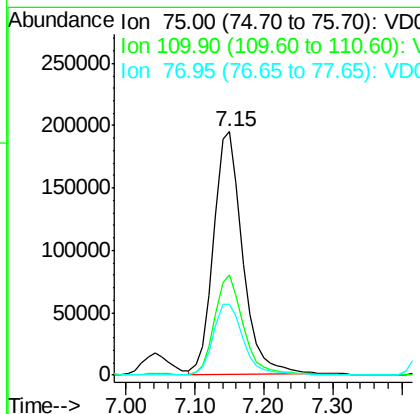
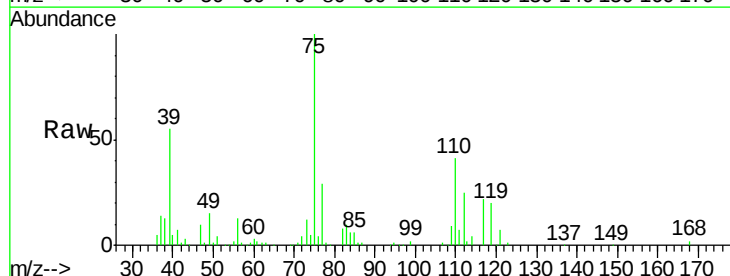
RT: 7.15 min Scan# 582

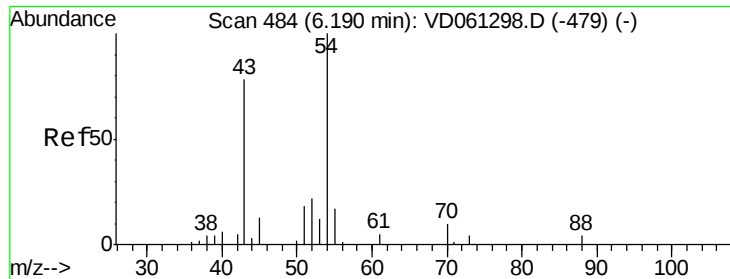
Delta R.T. -0.01 min

Lab File: VD061331.D

Acq: 26 Mar 2019 9:25

Tgt Ion:	75	Resp:	571591
Ion	Ratio	Lower	Upper
75	100		
110	41.2	20.1	60.2
77	29.2	24.3	36.5





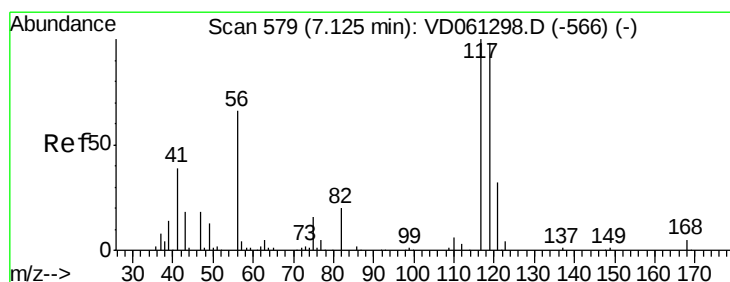
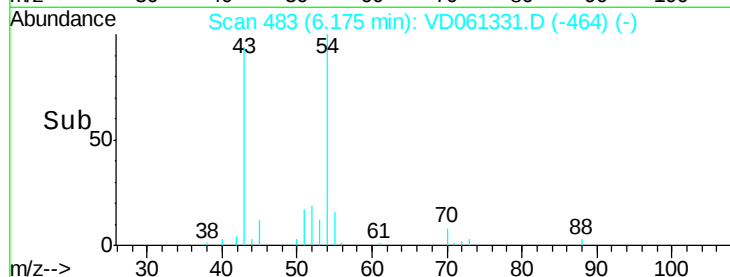
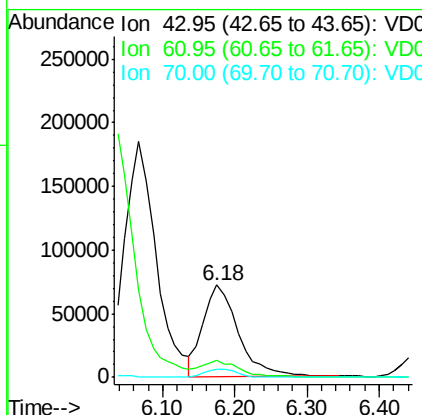
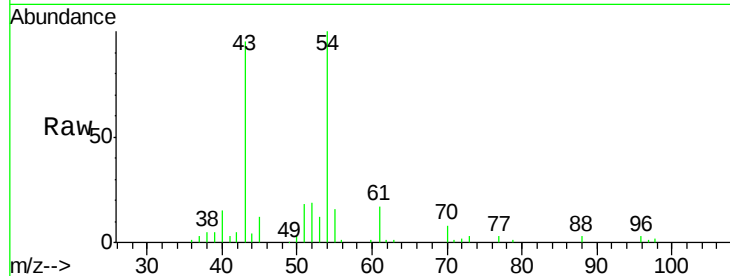
#37
Ethyl Acetate
Concen: 53.582 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.01 min
Lab File: VD061331.D
Acq: 26 Mar 2019 9:25

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.5	12.6	19.0
70	8.8	8.2	12.4

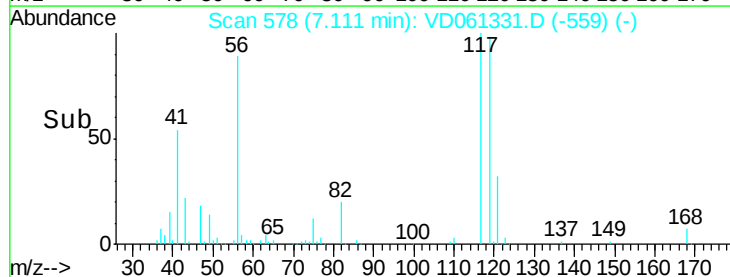
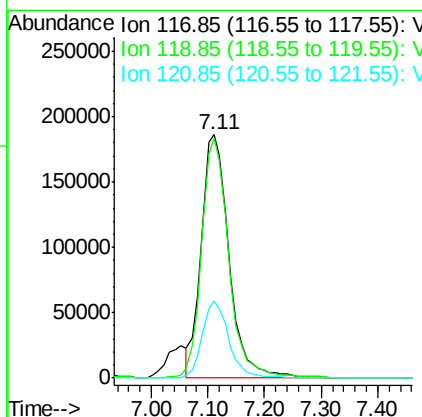
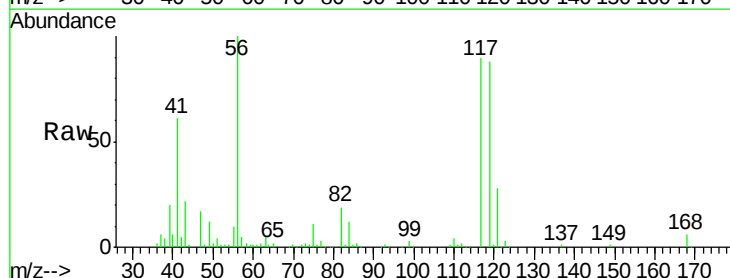
Manual Integrations
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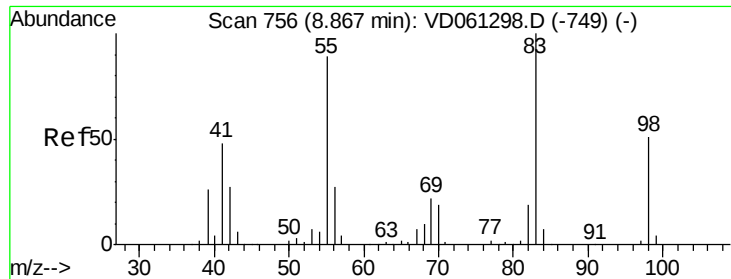
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3/26/2019 11:59:58 AM



#38
Carbon Tetrachloride
Concen: 51.943 ug/l m
RT: 7.11 min Scan# 578
Delta R.T. -0.01 min
Lab File: VD061331.D
Acq: 26 Mar 2019 9:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.4	78.4	117.6
121	31.7	25.1	37.7





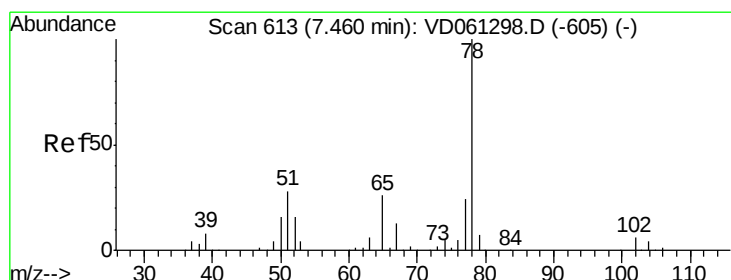
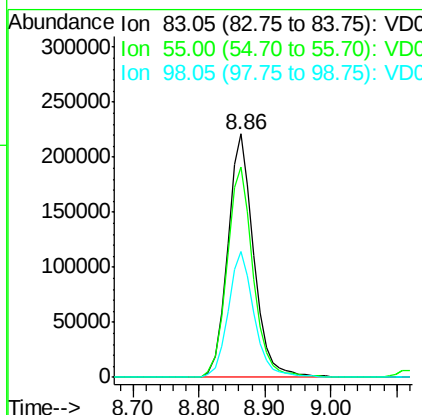
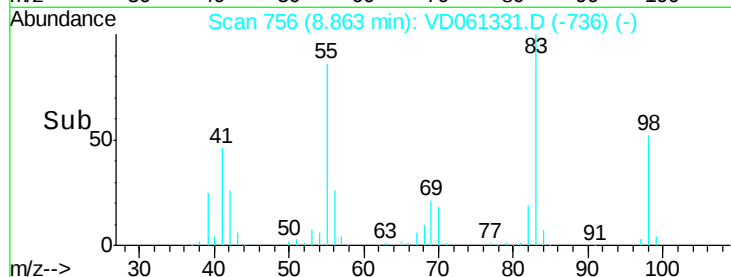
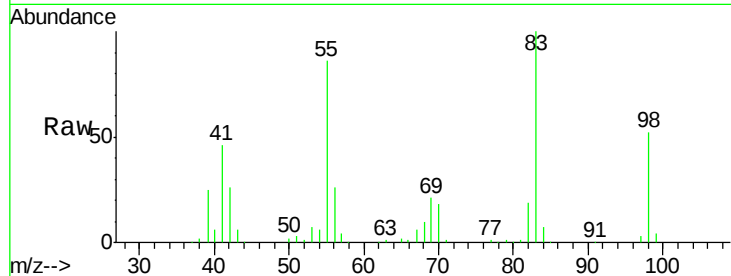
#39
Methvlcvclohexane
Concen: 55.001 ug/l
RT: 8.86 min Scan# 756
Delta R.T. -0.00 min
Lab File: VD061331.D
Acq: 26 Mar 2019 9:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.2	71.3	106.9
98	51.9	40.4	60.6

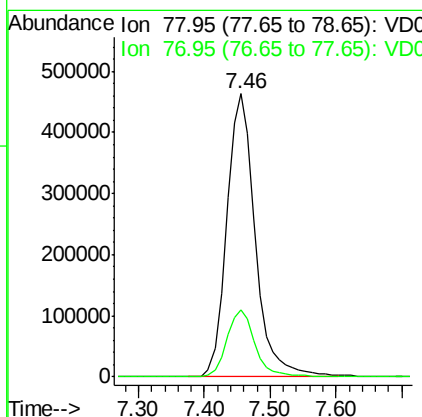
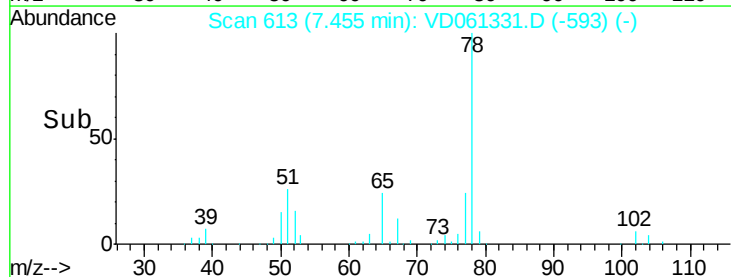
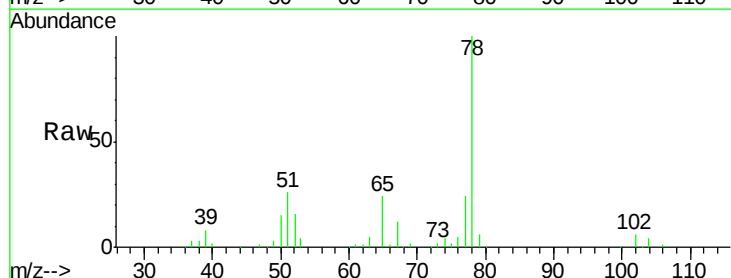
Manual Integrations
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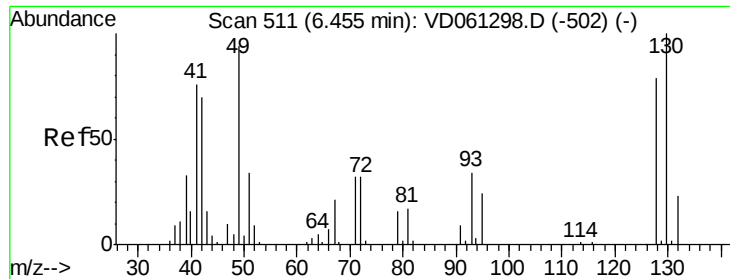
MMDadoda
3/26/2019 11:59:58 AM



#40
Benzene
Concen: 52.512 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.00 min
Lab File: VD061331.D
Acq: 26 Mar 2019 9:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2





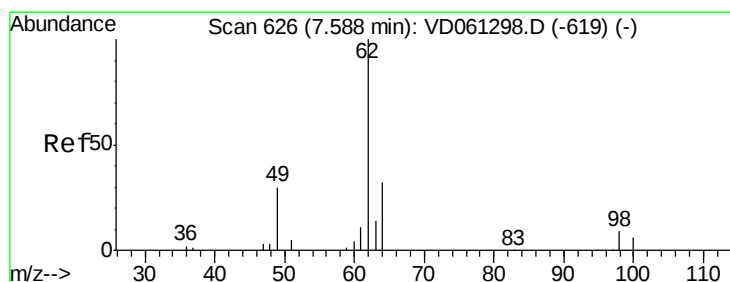
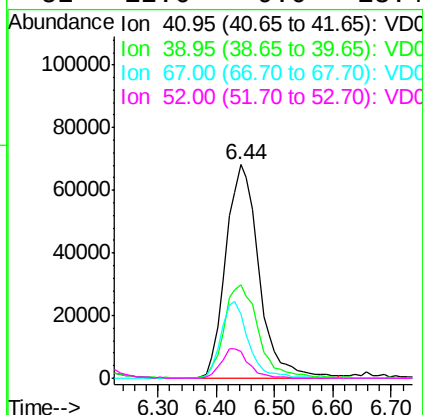
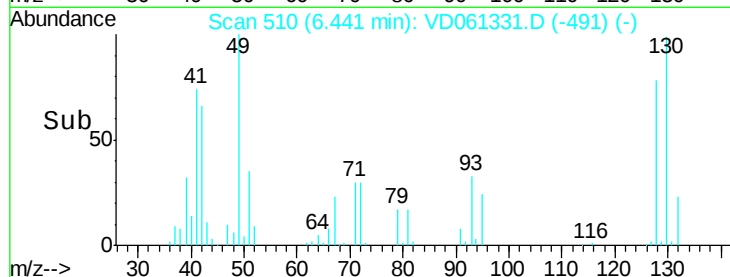
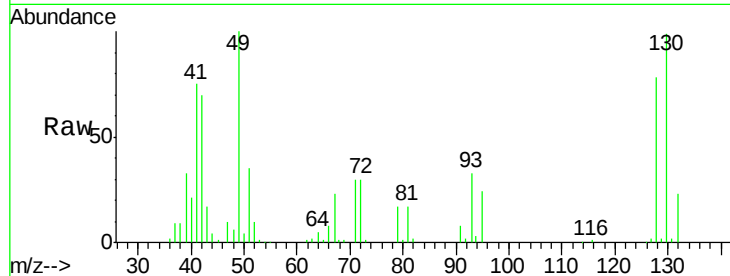
#41
Methacrylonitrile
Concen: 52.028 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD061331.D
Acq: 26 Mar 2019 9:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		271069		
39	44.0	34.2	51.2		
67	30.1	21.8	32.6		
52	12.6	9.0	13.4		

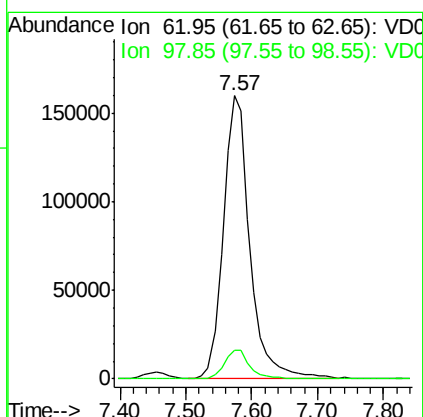
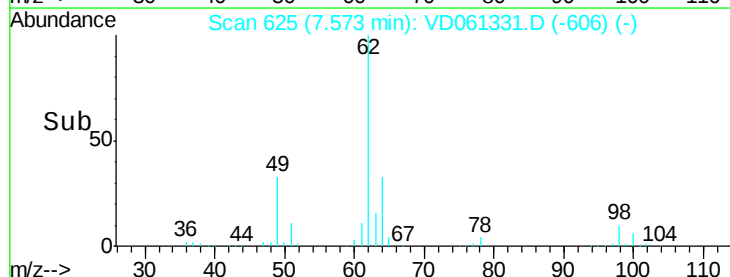
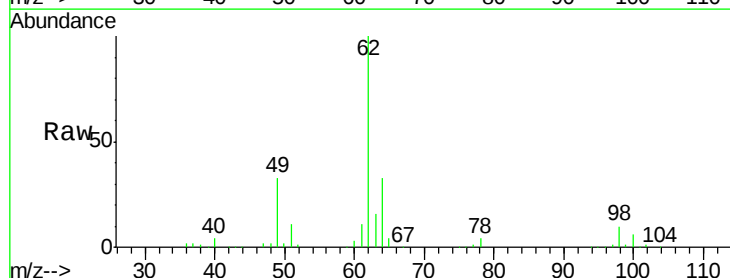
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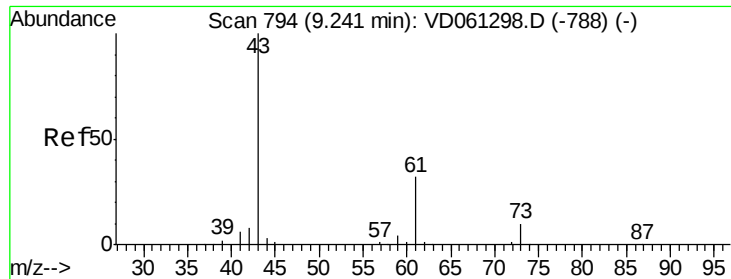
MMDadoda
3/26/2019 11:59:58 AM



#42
1,2-Dichloroethane
Concen: 53.782 ug/l
RT: 7.57 min Scan# 625
Delta R.T. -0.01 min
Lab File: VD061331.D
Acq: 26 Mar 2019 9:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		446853		
98	10.1	0.0	18.6		





#43

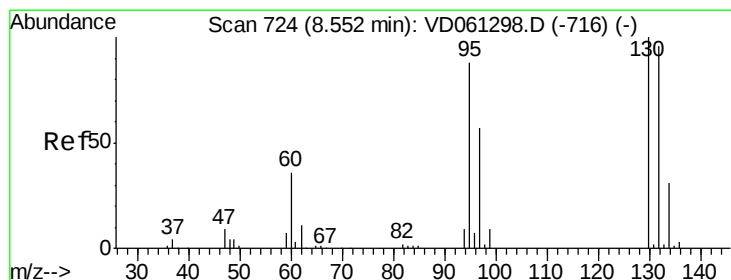
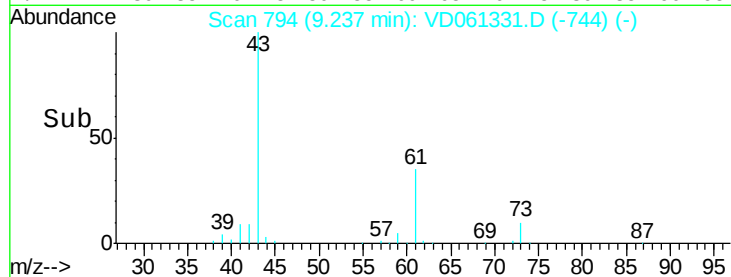
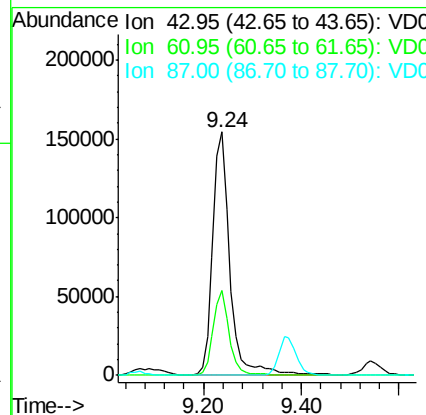
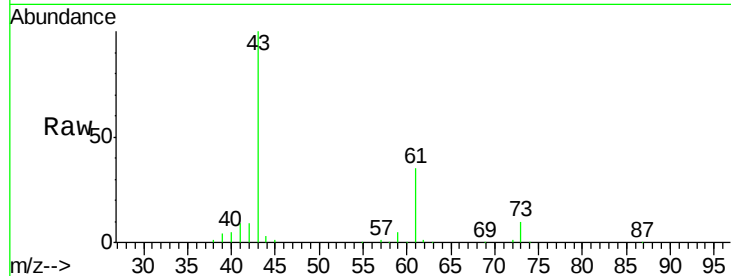
Isopropyl Acetate
 Concen: 58.792 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. -0.00 min
 Lab File: VD061331.D
 Acq: 26 Mar 2019 9:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	34.7	25.8	38.8
87	0.3	0.3	0.5

Manual Integrations
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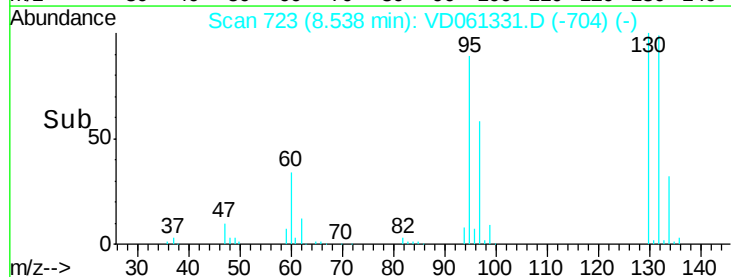
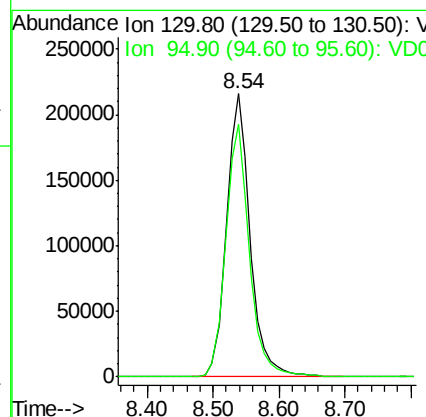
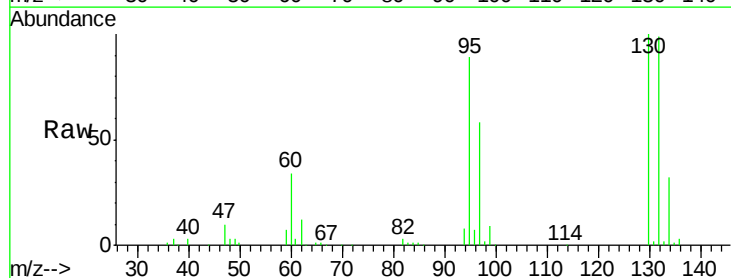
MMDadoda
 3/26/2019 11:59:58 AM

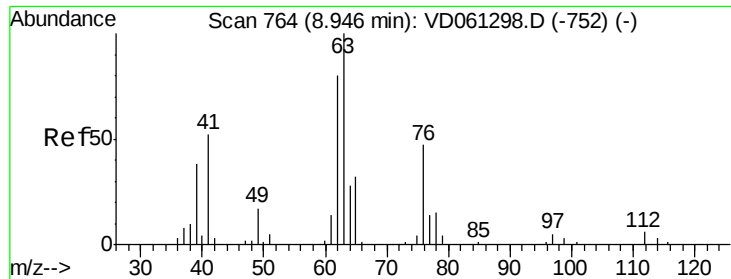


#44

Trichloroethene
 Concen: 56.213 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. -0.01 min
 Lab File: VD061331.D
 Acq: 26 Mar 2019 9:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.1	0.0	175.0





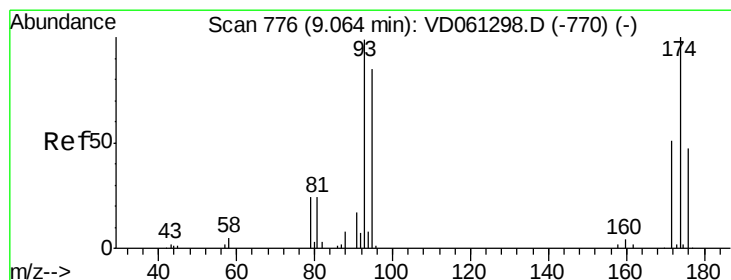
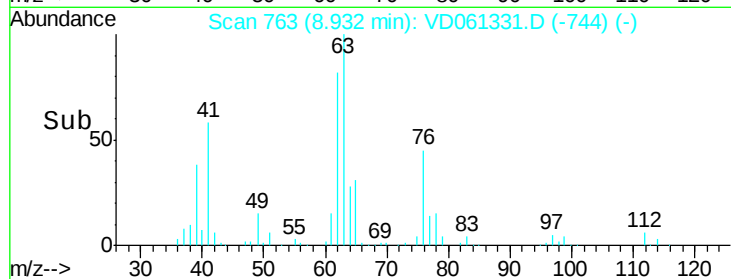
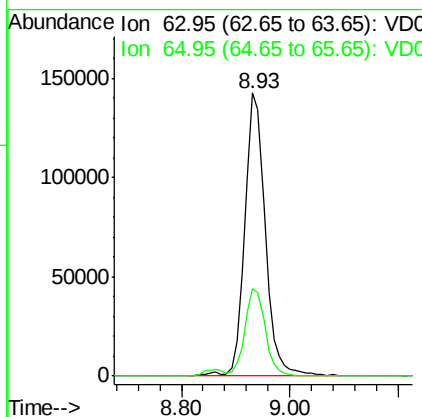
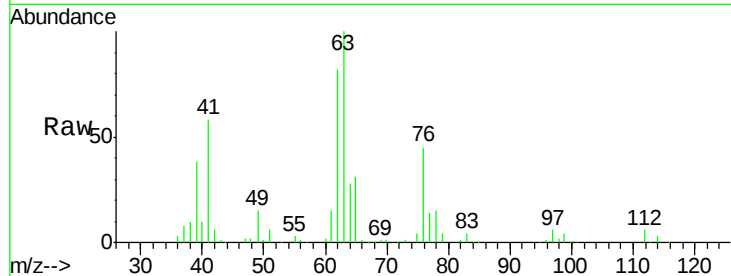
#45
 1,2-Dichloropropane
 Concen: 57.090 ug/l
 RT: 8.93 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: VD061331.D
 Acq: 26 Mar 2019 9:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 375640
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.2 37.8

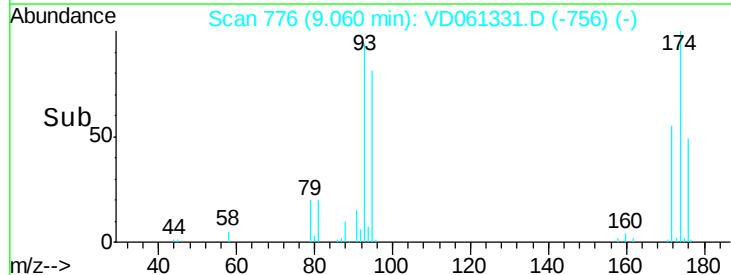
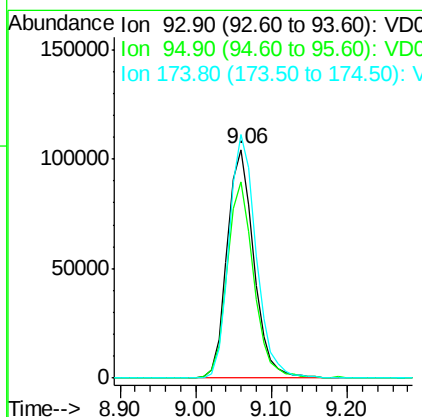
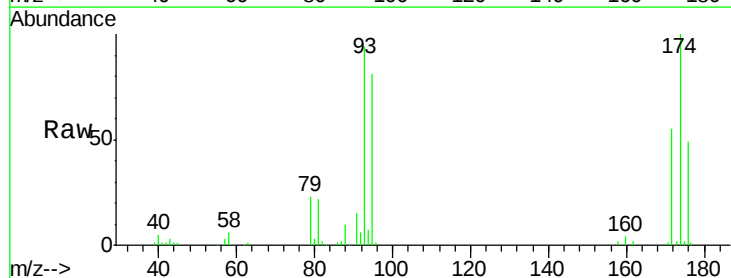
Manual Integrations
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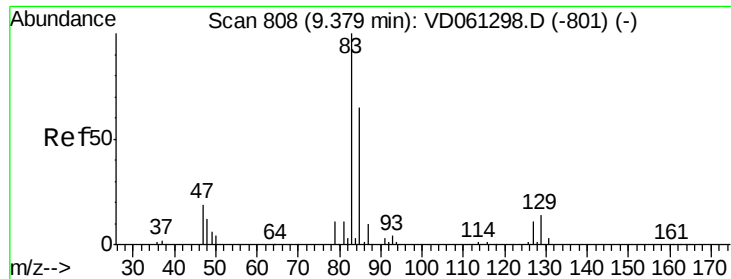
MMDadoda
 3/26/2019 11:59:58 AM



#46
 Dibromomethane
 Concen: 56.447 ug/l
 RT: 9.06 min Scan# 776
 Delta R.T. -0.00 min
 Lab File: VD061331.D
 Acq: 26 Mar 2019 9:25

Tgt Ion: 93 Resp: 254585
 Ion Ratio Lower Upper
 93 100
 95 86.0 68.1 102.1
 174 106.4 80.4 120.6





#47

Bromodichloromethane

Concen: 55.380 ug/l

RT: 9.37 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD061331.D

Acq: 26 Mar 2019 9:25

Instrument :

MSVOA_D

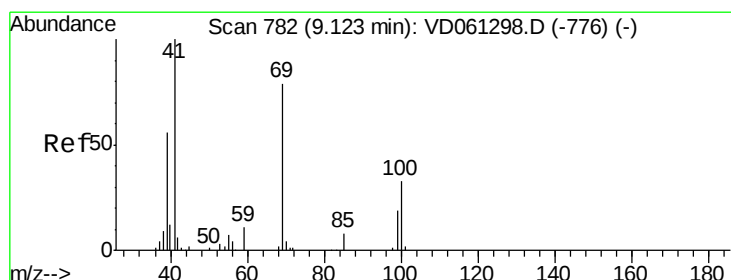
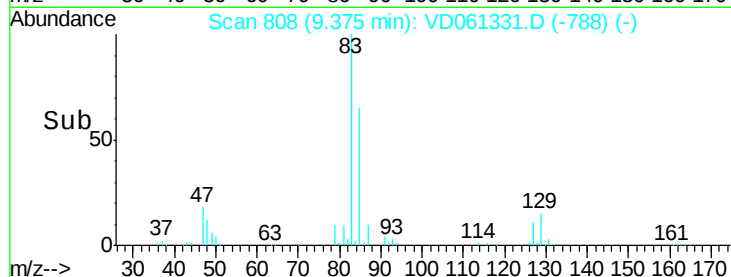
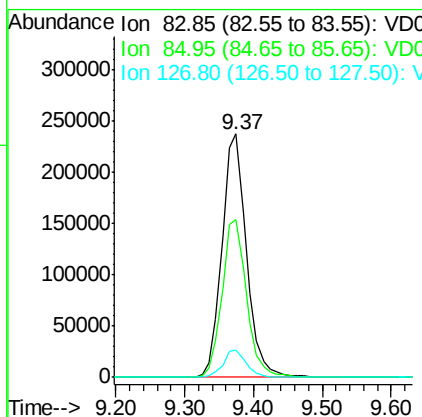
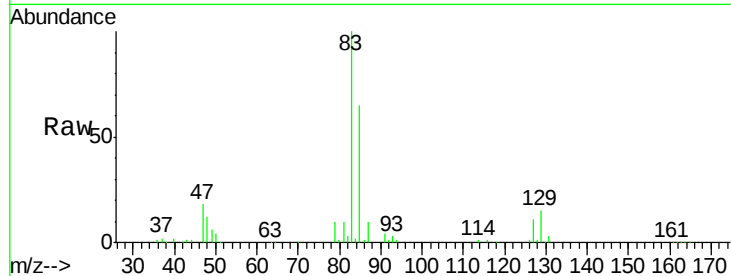
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	585430
Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.7	77.5
127	11.1	8.8	13.2

Manual Integrations
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MMDadoda
3/26/2019 11:59:58 AM



#48

Methyl methacrylate

Concen: 55.691 ug/l

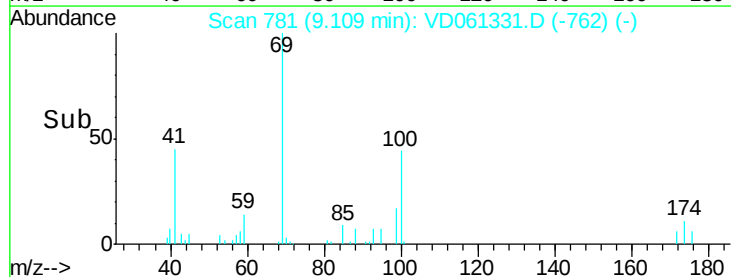
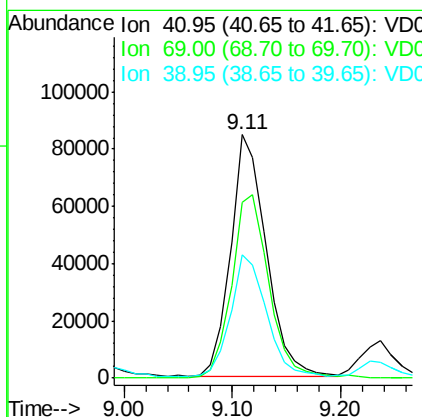
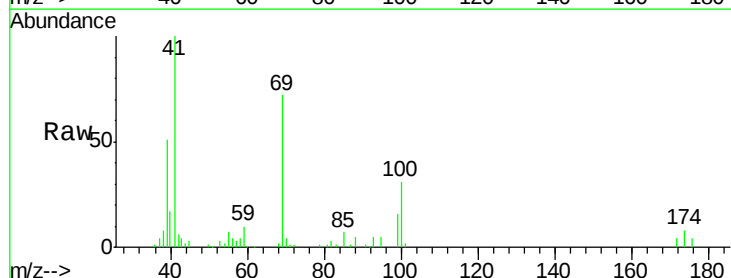
RT: 9.11 min Scan# 781

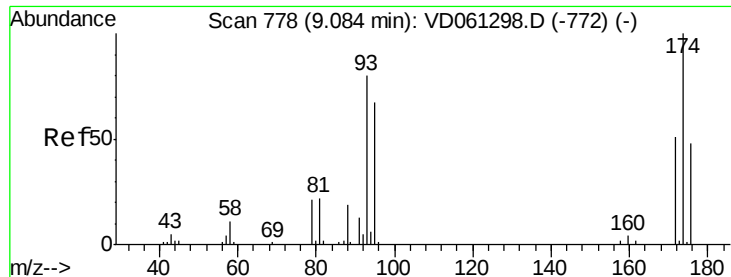
Delta R.T. -0.01 min

Lab File: VD061331.D

Acq: 26 Mar 2019 9:25

Tgt Ion:	41	Resp:	192160
Ion	Ratio	Lower	Upper
41	100		
69	72.3	62.4	93.6
39	50.8	44.9	67.3





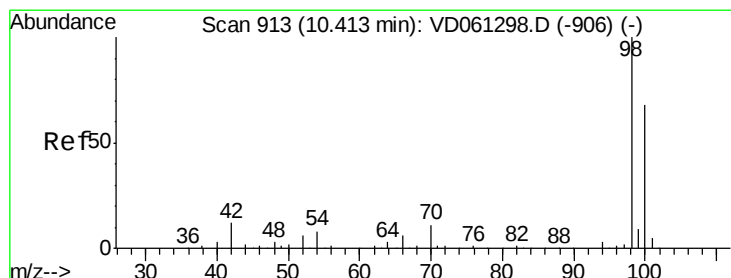
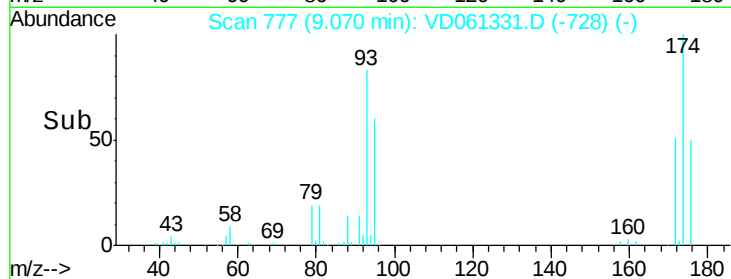
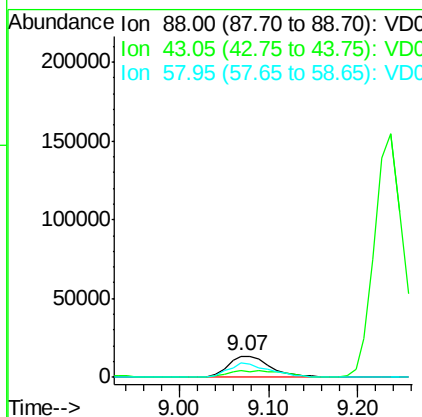
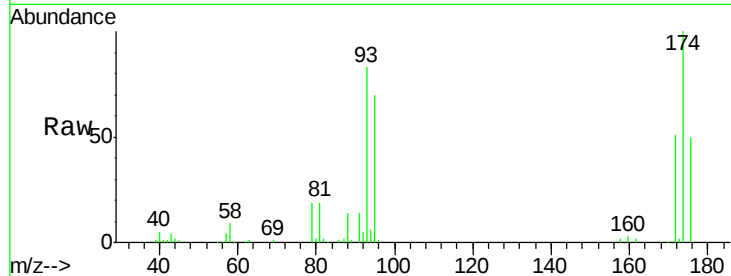
#49
1,4-Dioxane
Concen: 1171.128 ug/l
RT: 9.07 min Scan# 777
Delta R.T. -0.01 min
Lab File: VD061331.D
Acq: 26 Mar 2019 9:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	44337
Ion	Ratio	Lower	Upper
88	100		
43	30.4	20.7	31.1
58	65.9	44.9	67.3

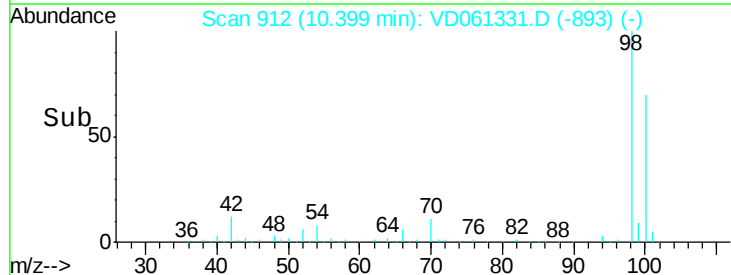
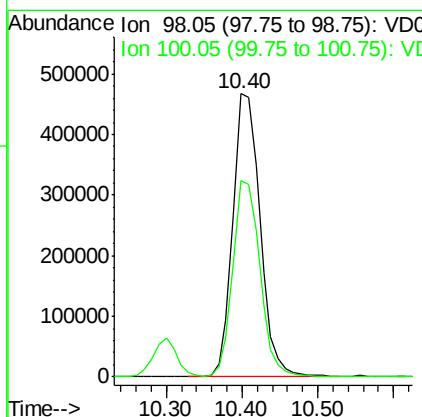
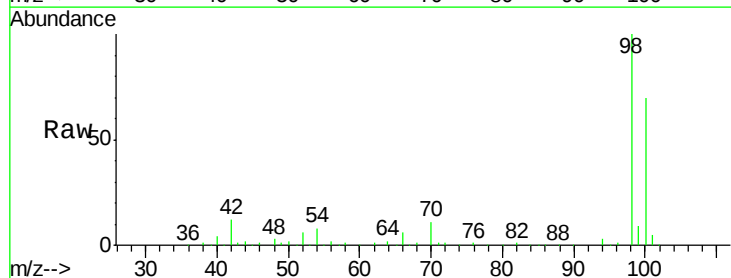
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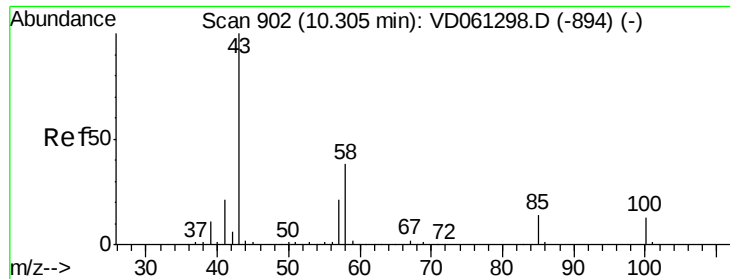
MMDadoda
3/26/2019 11:59:58 AM



#50
Toluene-d8
Concen: 1171.128 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD061331.D
Acq: 26 Mar 2019 9:25

Tgt Ion	98	Resp	1164630
Ion	Ratio	Lower	Upper
98	100		
100	69.6	55.4	83.0





#51

4-Methyl-2-Pentanone

Concen: 278.410 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD061331.D

Acq: 26 Mar 2019 9:25

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050EC

Tot Ion: 43 Resp: 1071436

Ion Ratio Lower Upper

43 100

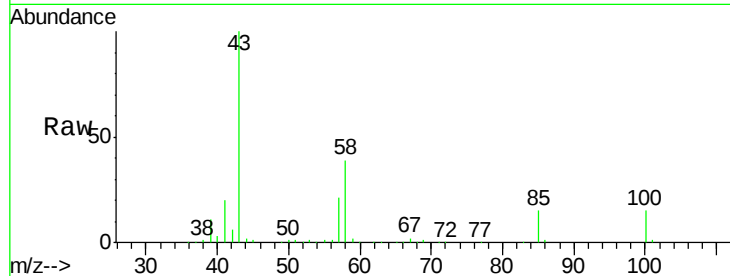
58 39.0 30.6 45.8

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

400000

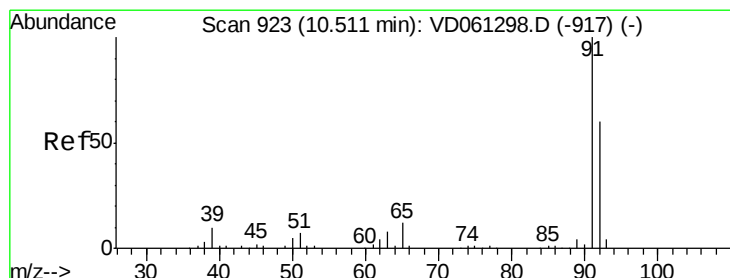
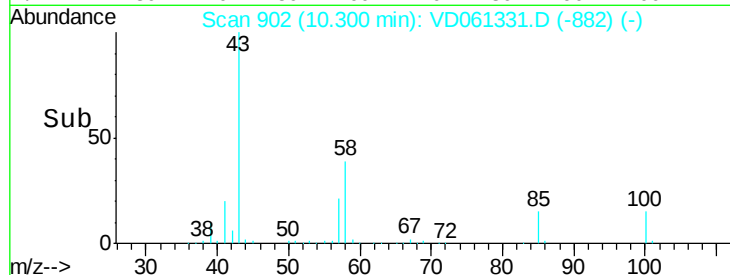
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 51.322 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD061331.D

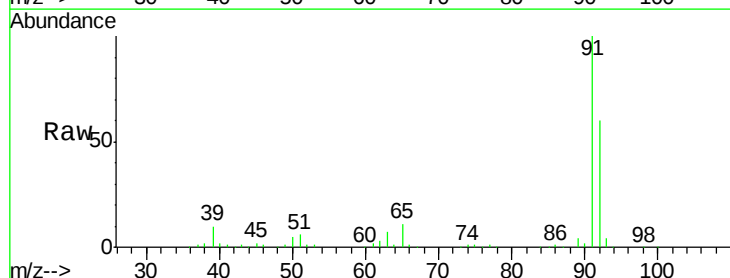
Acq: 26 Mar 2019 9:25

Tgt Ion: 92 Resp: 837166

Ion Ratio Lower Upper

92 100

91 167.5 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

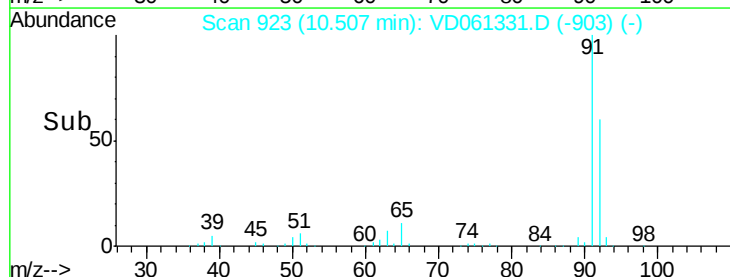
600000

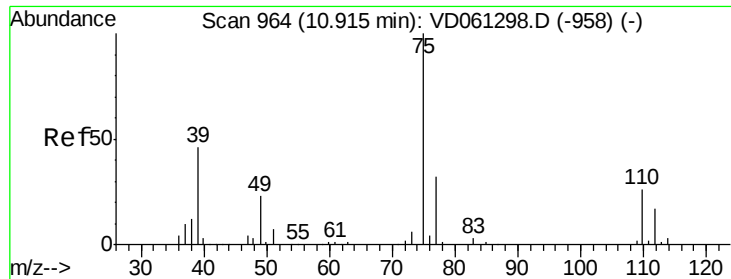
400000

200000

0

Time-->





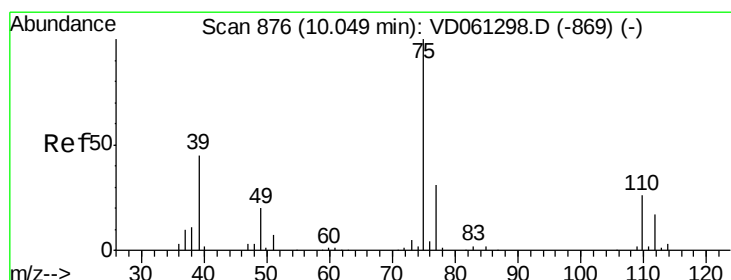
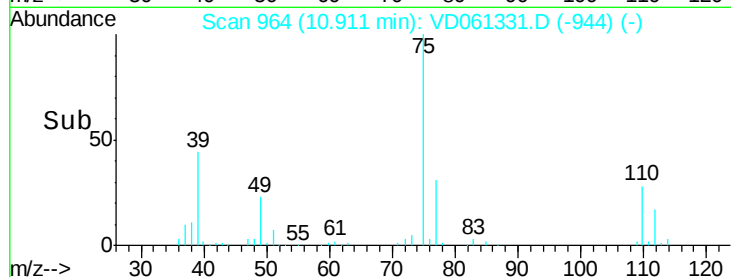
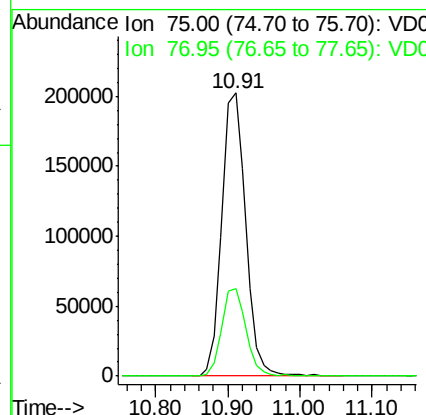
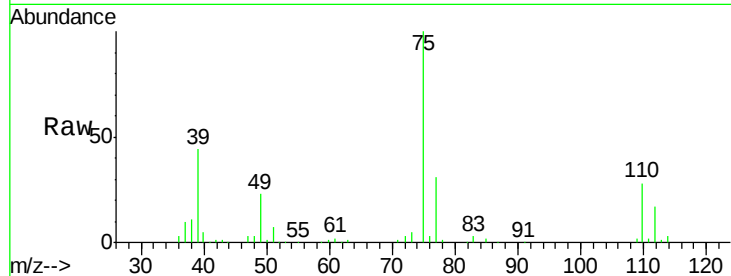
#53
t-1,3-Dichloropropene
Concen: 50.392 ug/l
RT: 10.91 min Scan# 964
Delta R.T. -0.00 min
Lab File: VD061331.D
Acq: 26 Mar 2019 9:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.8	38.6

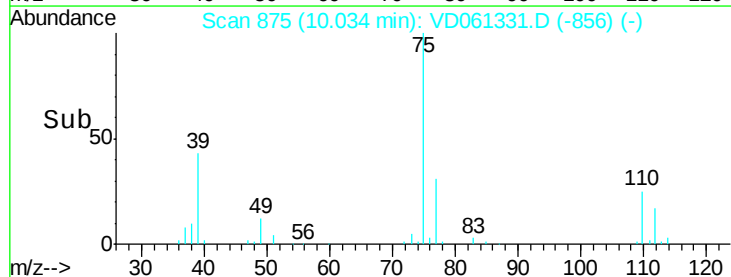
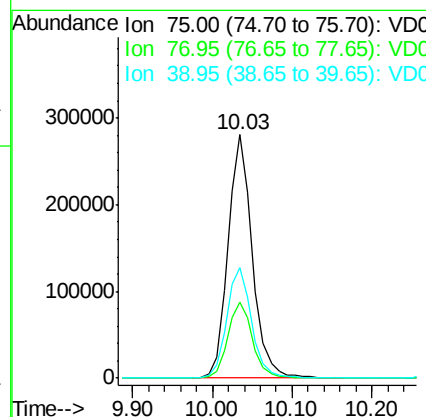
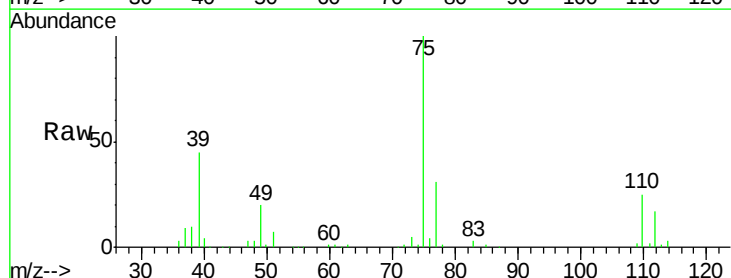
Manual Integrations
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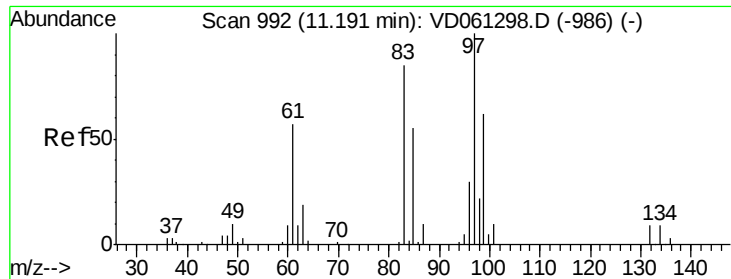
MMDadoda
3/26/2019 11:59:58 AM



#54
cis-1,3-Dichloropropene
Concen: 53.715 ug/l
RT: 10.03 min Scan# 875
Delta R.T. -0.01 min
Lab File: VD061331.D
Acq: 26 Mar 2019 9:25

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.9	37.3
39	45.3	36.0	54.0





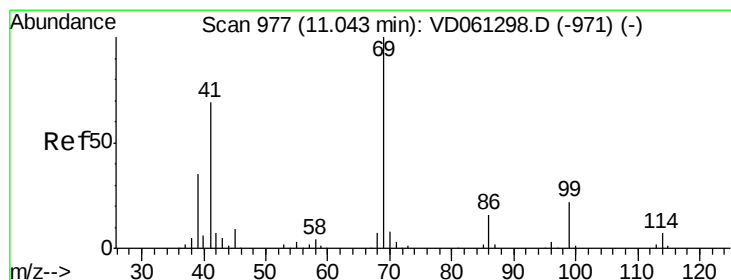
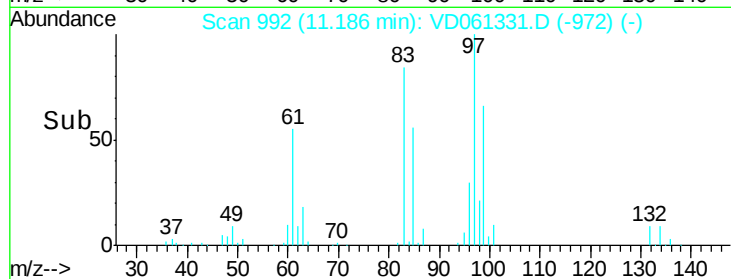
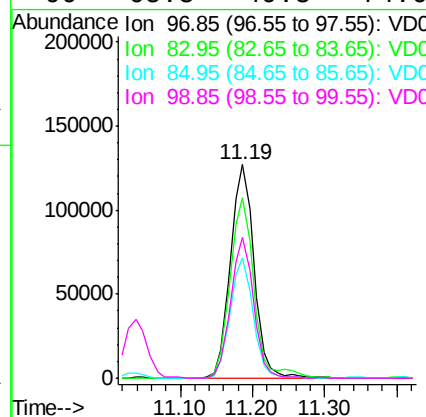
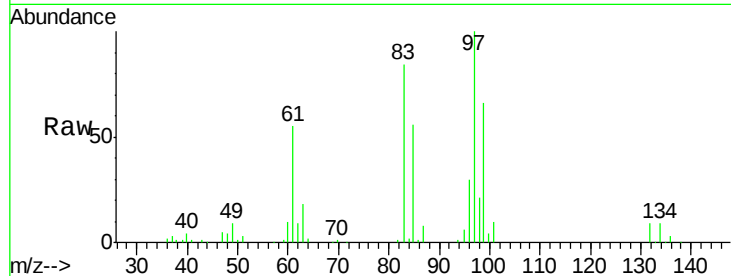
#55
 1,1,2-Trichloroethane
 Concen: 53.583 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VD061331.D
 Acq: 26 Mar 2019 9:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		290184		
83	84.4	67.7	101.5		
85	56.3	43.8	65.8		
99	65.8	49.8	74.6		

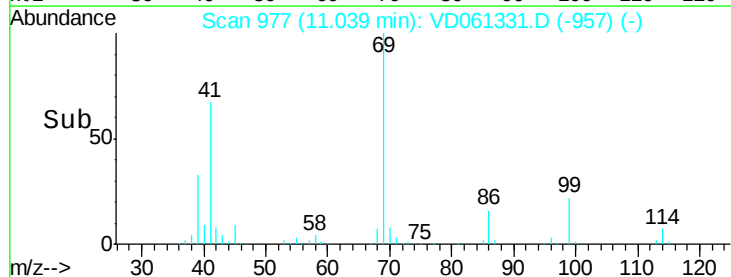
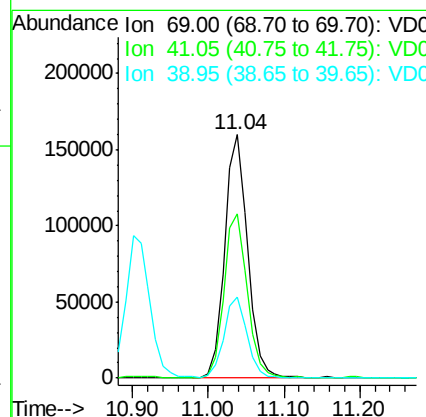
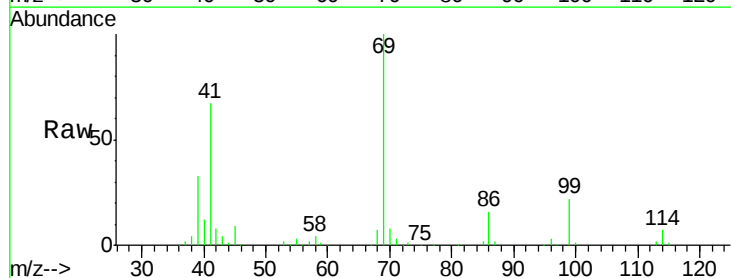
Manual Integrations
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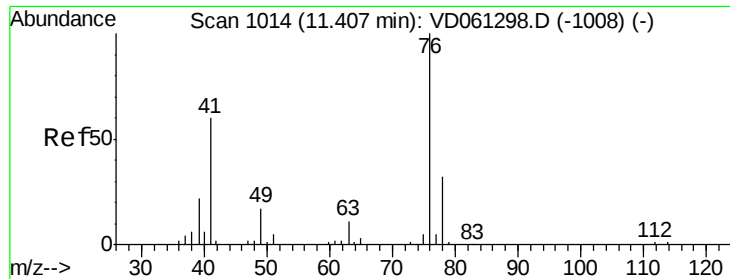
MMDadoda
 3/26/2019 11:59:58 AM



#56
 Ethyl methacrylate
 Concen: 58.332 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.00 min
 Lab File: VD061331.D
 Acq: 26 Mar 2019 9:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		337094		
41	67.4	54.9	82.3		
39	33.1	28.5	42.7		





#57

1,3-Dichloropropane

Concen: 53.281 ug/l

RT: 11.40 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VD061331.D

Acq: 26 Mar 2019 9:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 435780

Ion Ratio Lower Upper

76 100

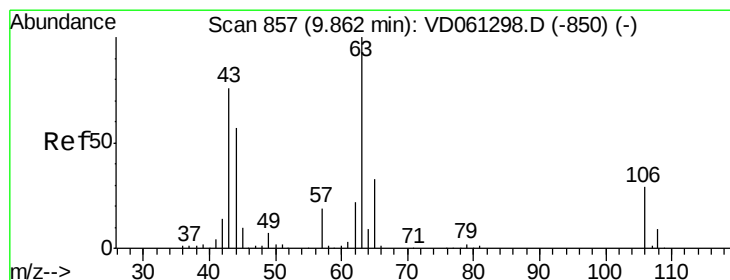
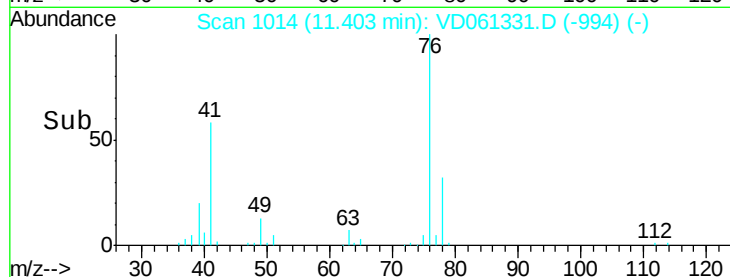
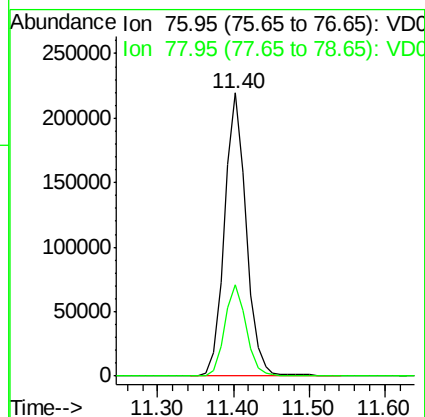
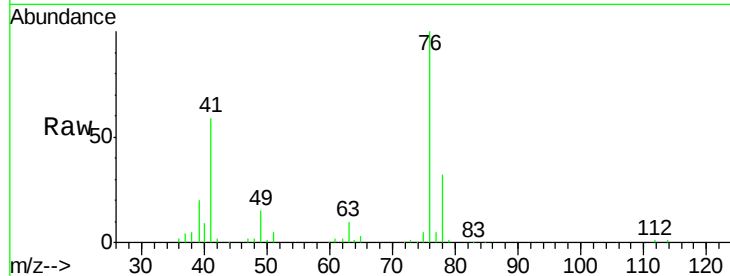
78 32.2 25.7 38.5

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#58

2-Chloroethyl Vinyl ether

Concen: 238.927 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.00 min

Lab File: VD061331.D

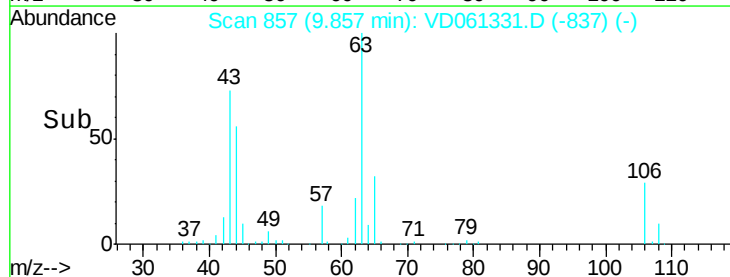
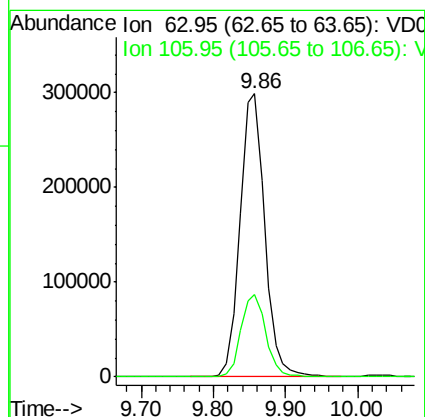
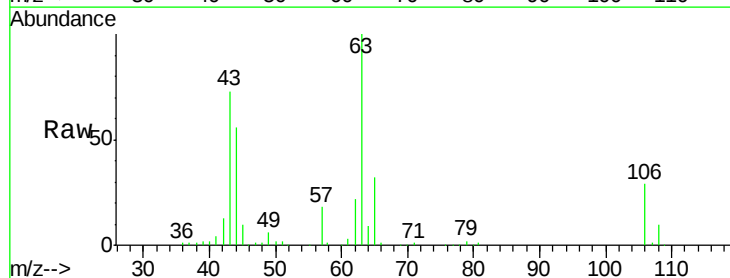
Acq: 26 Mar 2019 9:25

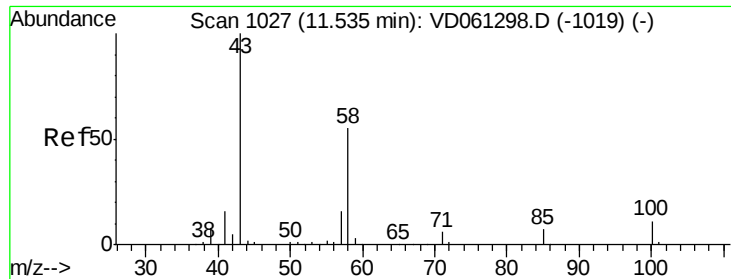
Tgt Ion: 63 Resp: 718312

Ion Ratio Lower Upper

63 100

106 29.0 23.4 35.0





#59

2-Hexanone

Concen: 308.541 ug/l

RT: 11.53 min Scan# 1027

Delta R.T. -0.00 min

Lab File: VD061331.D

Acq: 26 Mar 2019 9:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 862393

Ion Ratio Lower Upper

43 100

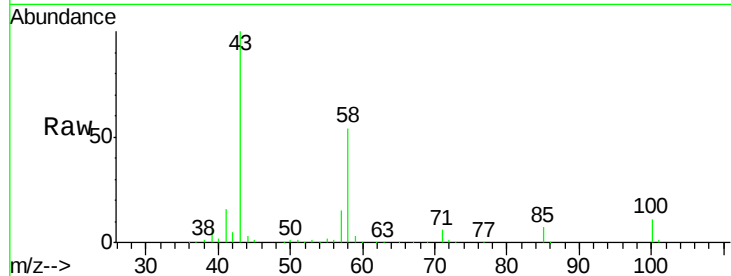
58 54.2 27.4 82.0

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

11.53

400000

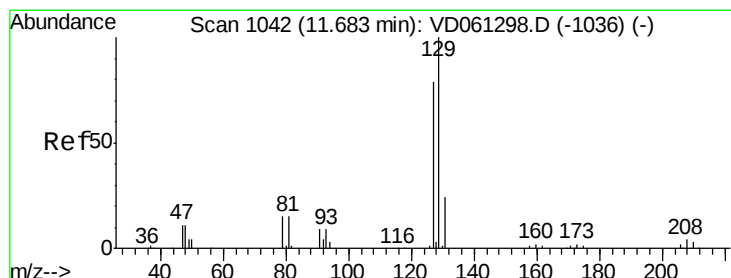
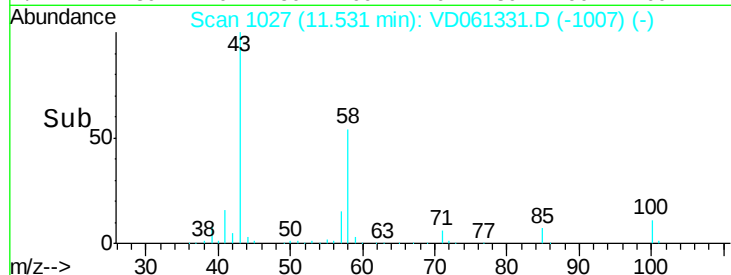
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 53.870 ug/l

RT: 11.68 min Scan# 1042

Delta R.T. -0.00 min

Lab File: VD061331.D

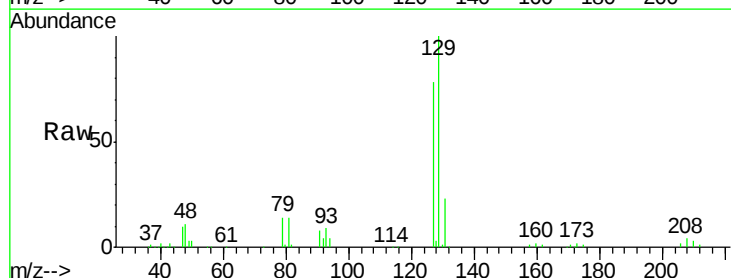
Acq: 26 Mar 2019 9:25

Tgt Ion: 129 Resp: 456932

Ion Ratio Lower Upper

129 100

127 78.0 39.6 119.0



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

11.68

250000

200000

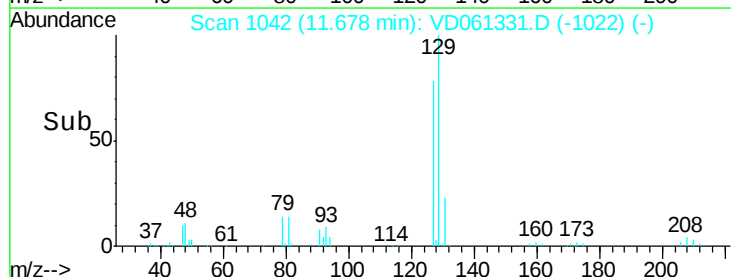
150000

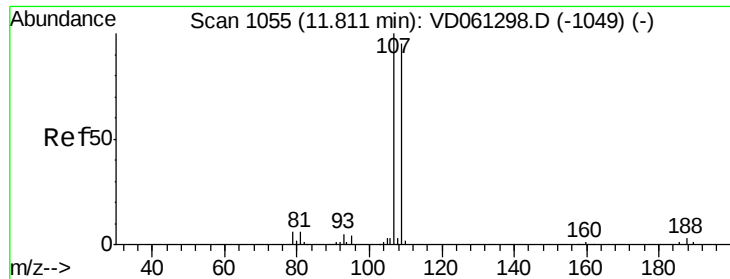
100000

50000

0

Time-->





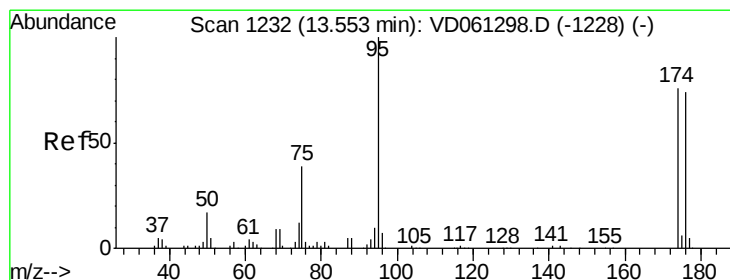
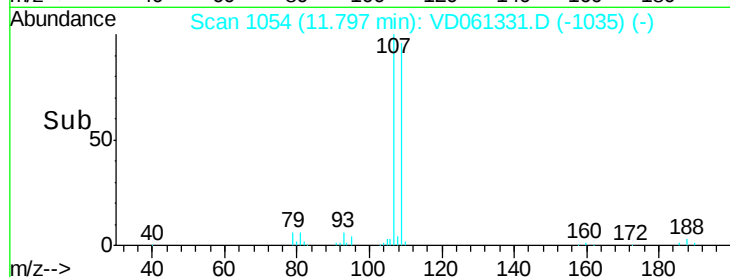
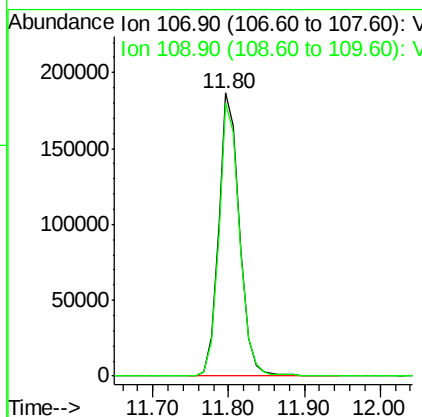
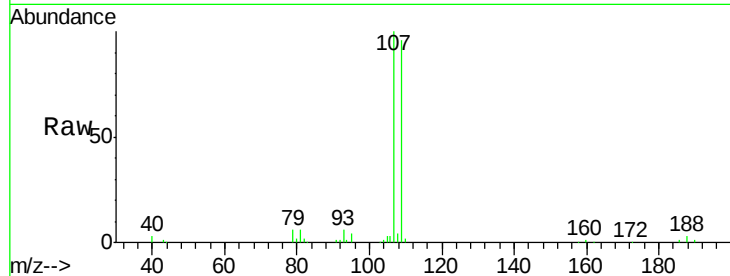
#61
 1,2-Dibromoethane
 Concen: 56.448 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD061331.D
 Acq: 26 Mar 2019 9:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 357184
 Ion Ratio Lower Upper
 107 100
 109 96.4 76.1 114.1

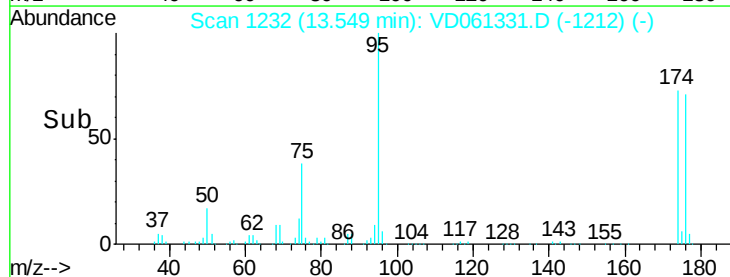
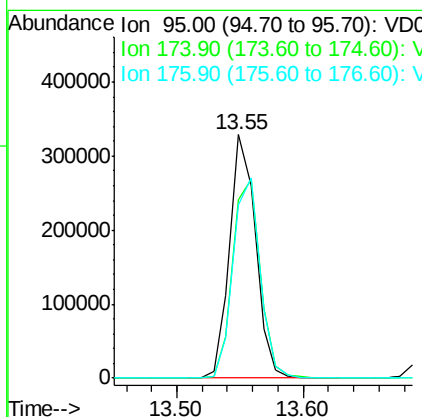
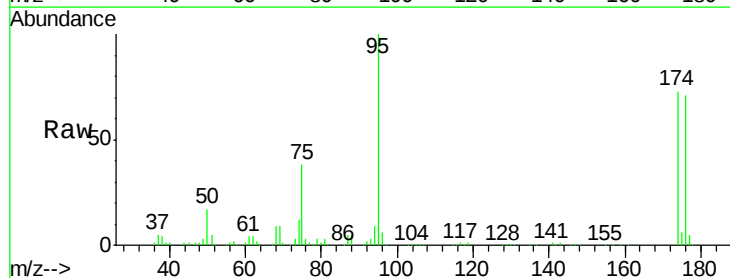
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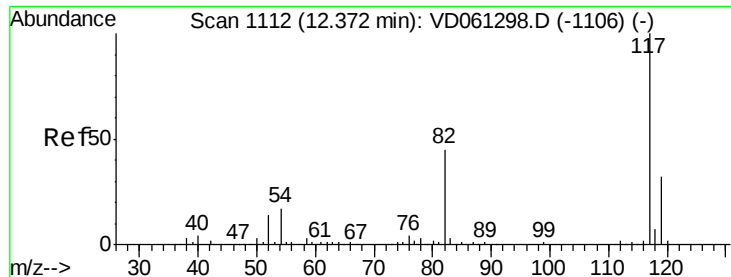
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 3/26/2019 11:59:58 AM



#62
 4-Bromofluorobenzene
 Concen: 56.448 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD061331.D
 Acq: 26 Mar 2019 9:25

Tgt Ion: 95 Resp: 467976
 Ion Ratio Lower Upper
 95 100
 174 73.0 0.0 151.8
 176 71.1 0.0 148.0





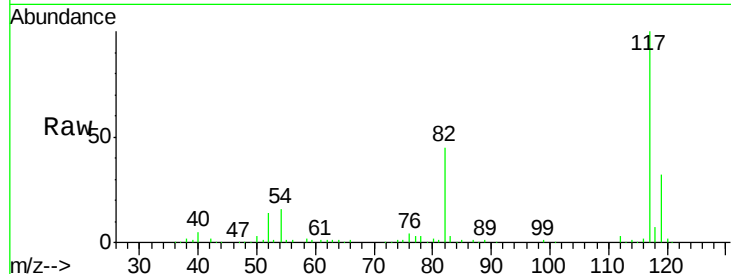
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD061331.D
Acq: 26 Mar 2019 9:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	44.6	35.7	53.5
119	32.3	25.9	38.9

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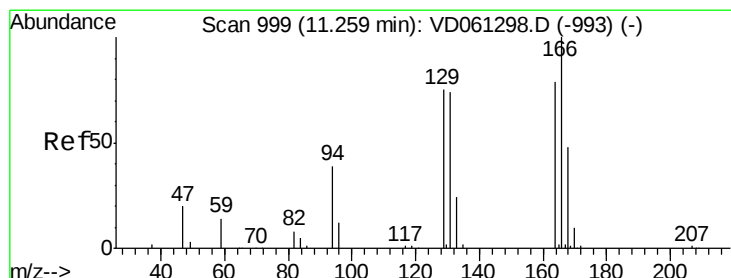
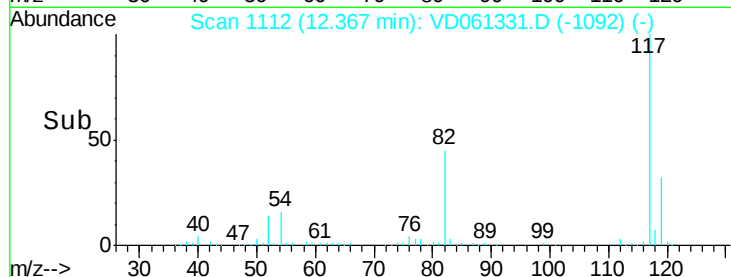
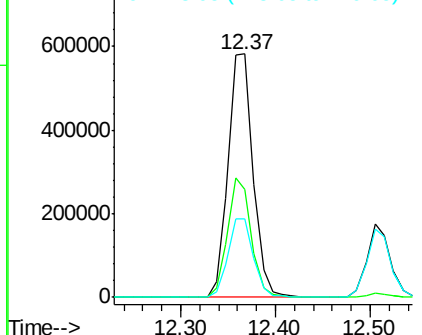


Abundance

Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64
Tetrachloroethene
Concen: 50.073 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD061331.D
Acq: 26 Mar 2019 9:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	101.6	152.4
129	94.1	75.9	113.9
131	88.9	75.3	112.9

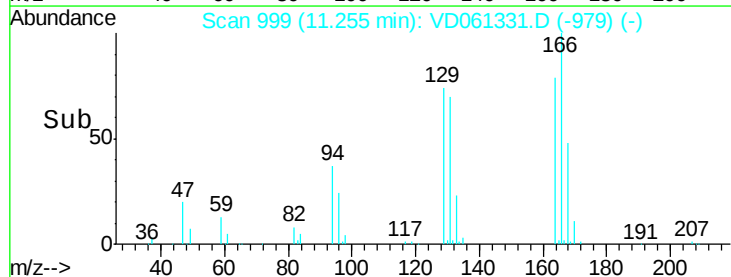
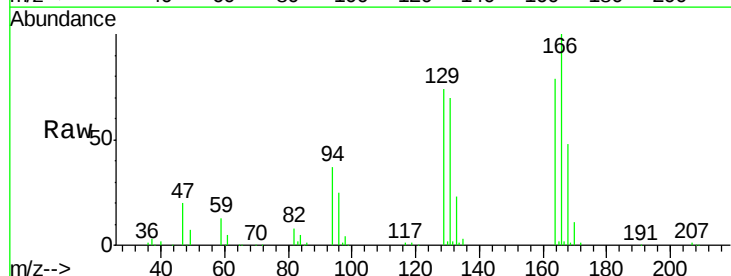
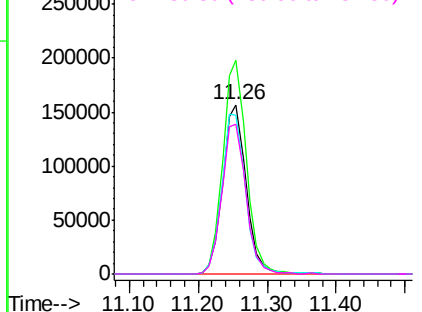
Abundance

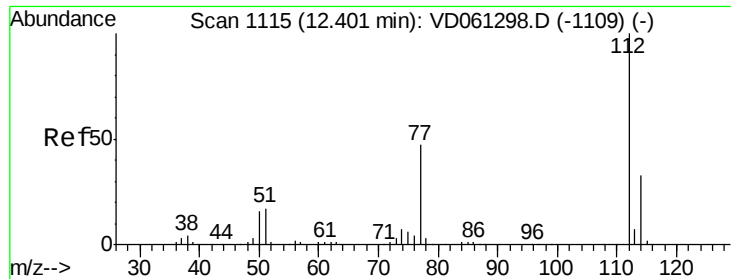
Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





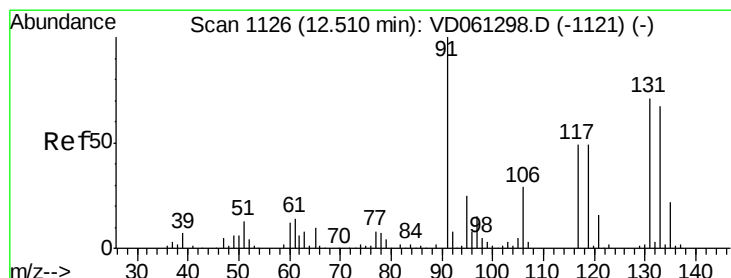
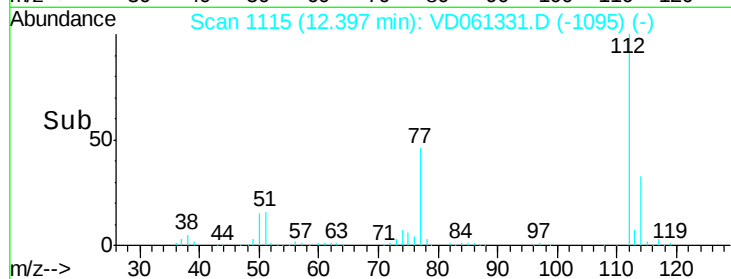
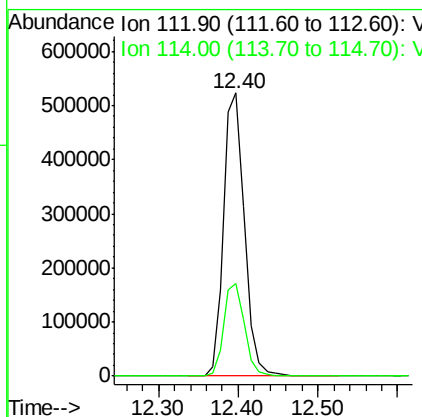
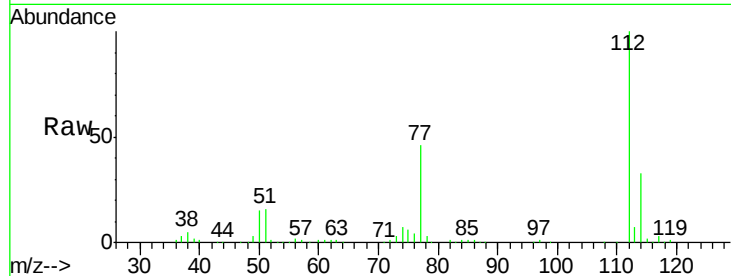
#65
Chlorobenzene
Concen: 49.279 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD061331.D
Acq: 26 Mar 2019 9:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 970186
Ion Ratio Lower Upper
112 100
114 32.7 26.5 39.7

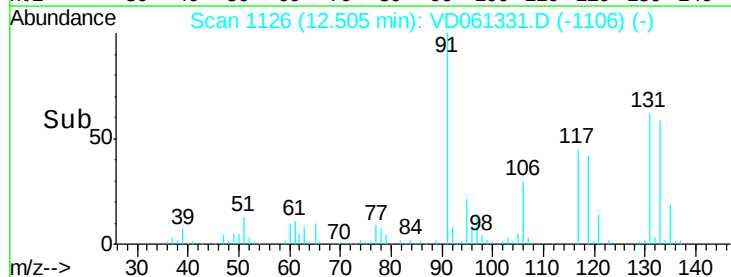
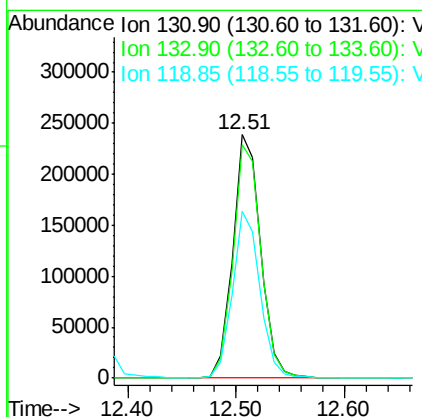
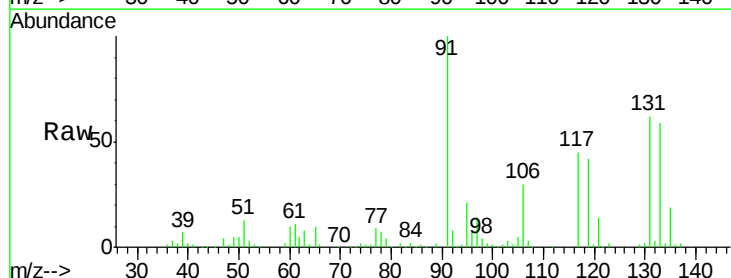
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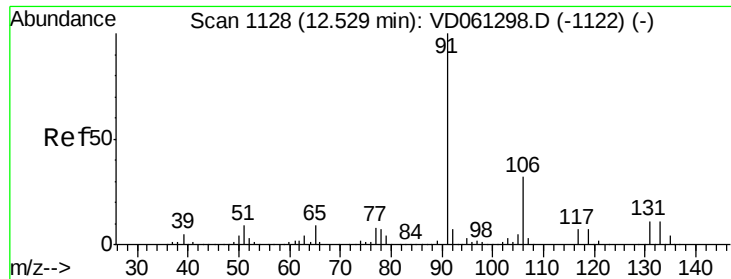
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.583 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD061331.D
Acq: 26 Mar 2019 9:25

Tgt Ion:131 Resp: 424262
Ion Ratio Lower Upper
131 100
133 96.0 47.0 141.2
119 68.5 34.8 104.5





#67

Ethyl Benzene

Concen: 55.003 ug/l

RT: 12.53 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VD061331.D

Acq: 26 Mar 2019 9:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1657224

Ion Ratio Lower Upper

91 100

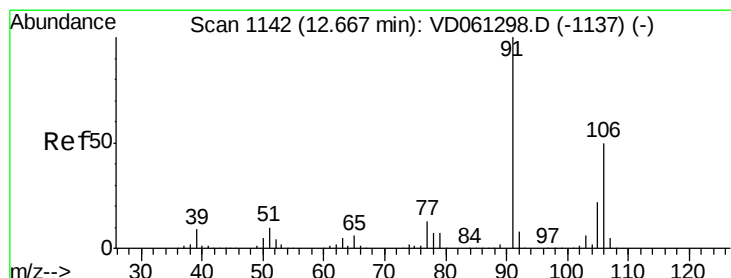
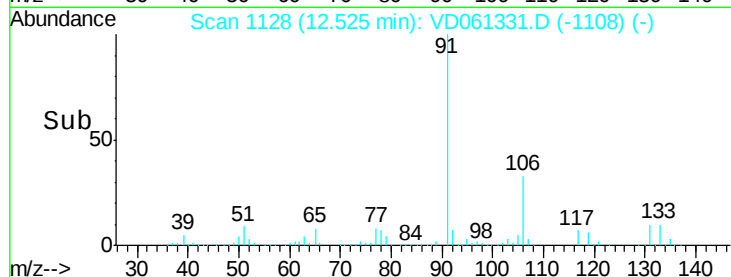
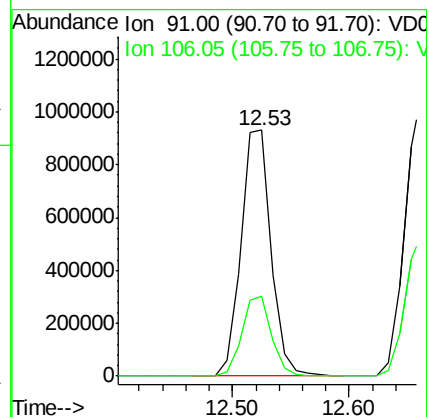
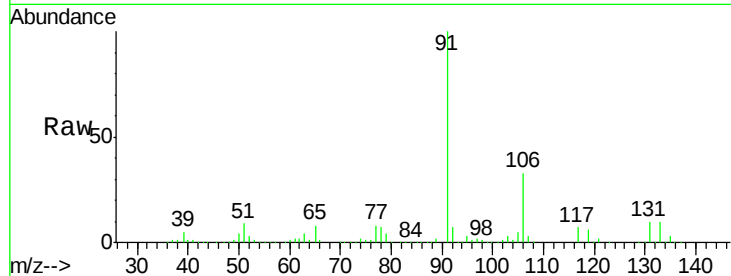
106 32.6 25.8 38.8

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#68

m/p-Xylenes

Concen: 97.476 ug/l

RT: 12.66 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VD061331.D

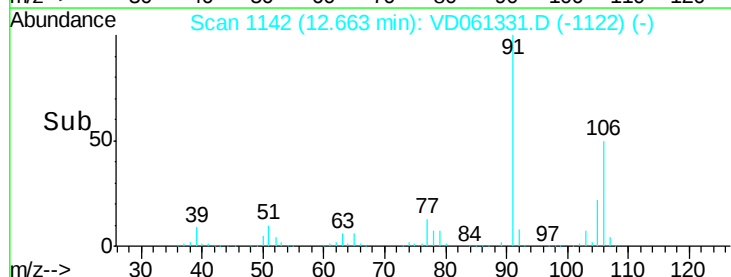
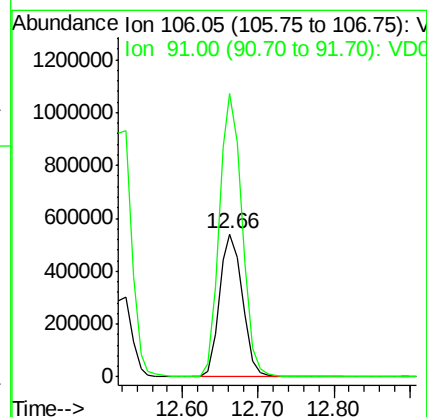
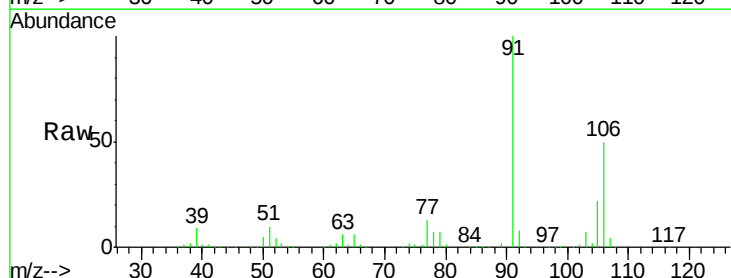
Acq: 26 Mar 2019 9:25

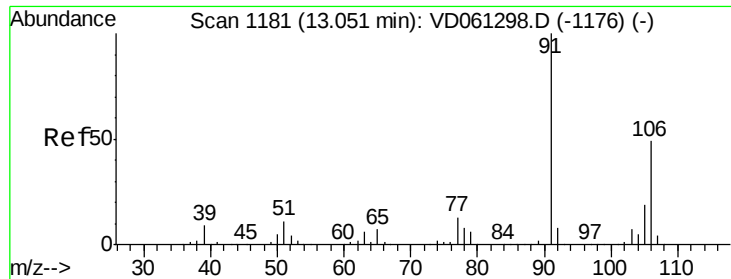
Tgt Ion: 106 Resp: 1146442

Ion Ratio Lower Upper

106 100

91 198.2 159.2 238.8





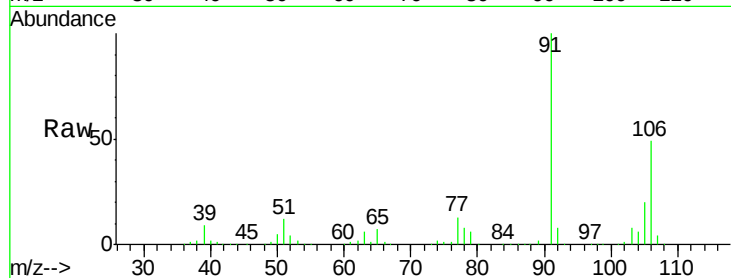
#69
o-Xylene
Concen: 52.428 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD061331.D
Acq: 26 Mar 2019 9:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

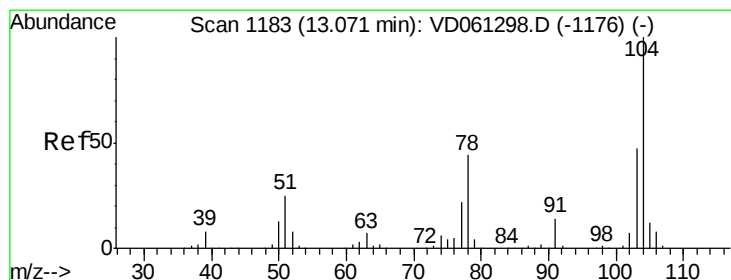
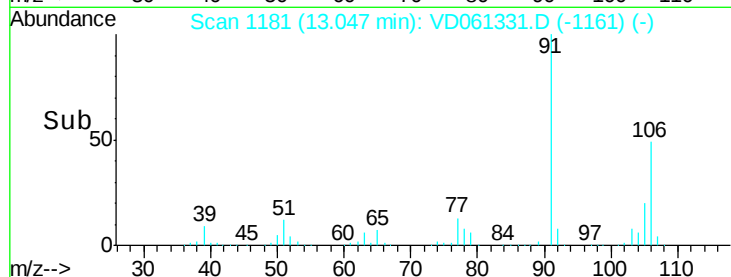
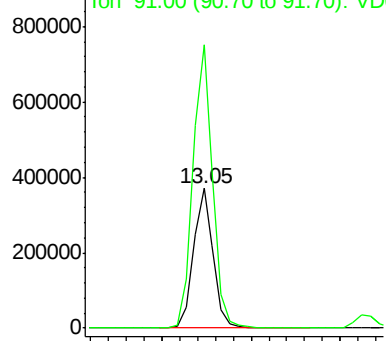
Tot Ion:106 Resp: 571895
Ion Ratio Lower Upper
106 100
91 203.0 102.5 307.5

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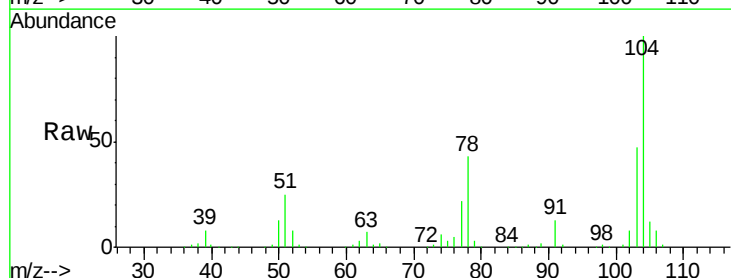


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

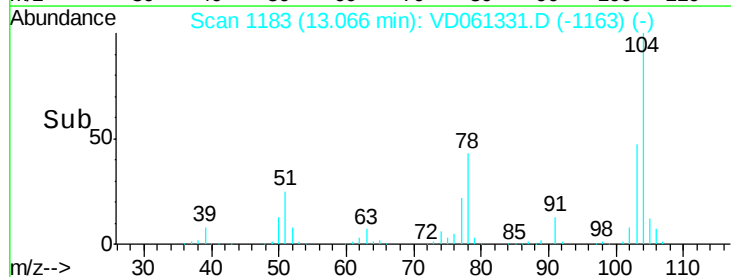
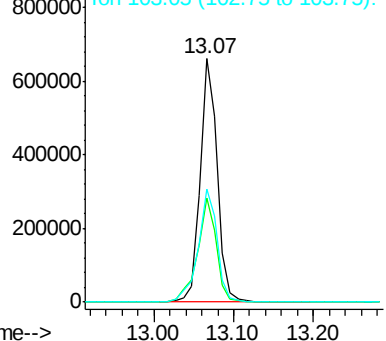


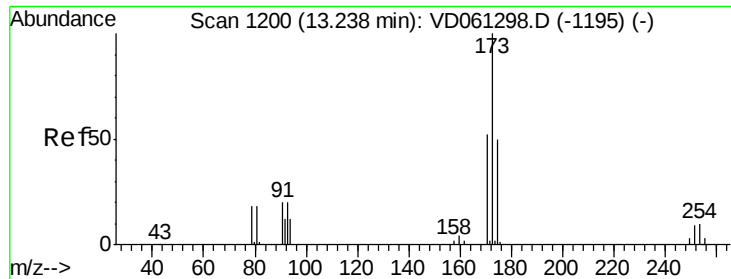
#70
Styrene
Concen: 53.991 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD061331.D
Acq: 26 Mar 2019 9:25

Tgt Ion:104 Resp: 999504
Ion Ratio Lower Upper
104 100
78 43.0 35.1 52.7
103 46.7 37.5 56.3



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





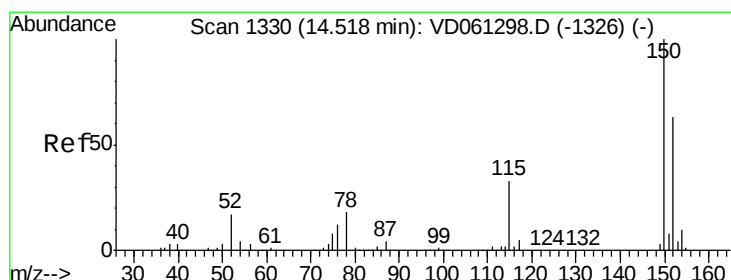
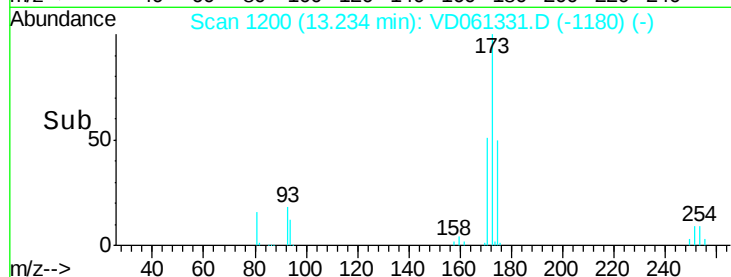
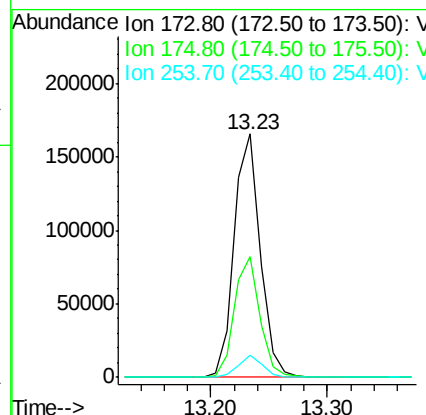
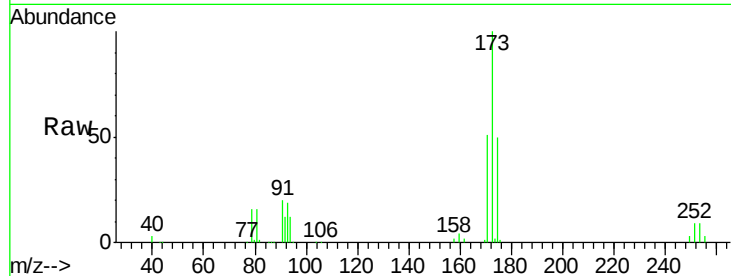
#71
Bromoform
Concen: 54.898 ug/l
RT: 13.23 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VD061331.D
Acq: 26 Mar 2019 9:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.9	74.7
254	8.9	7.8	11.6

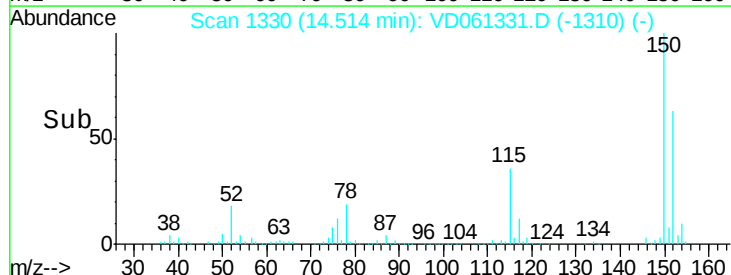
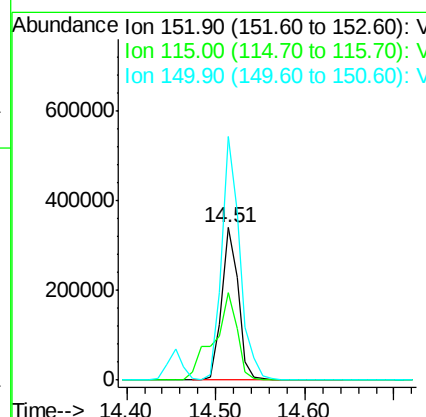
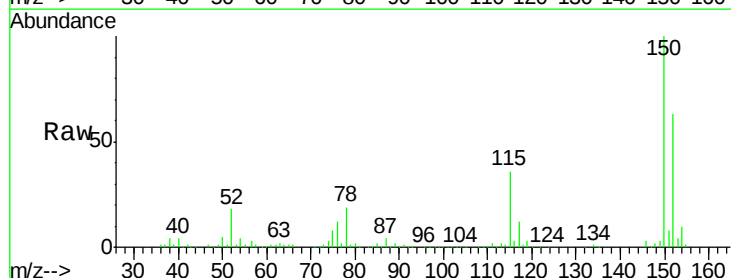
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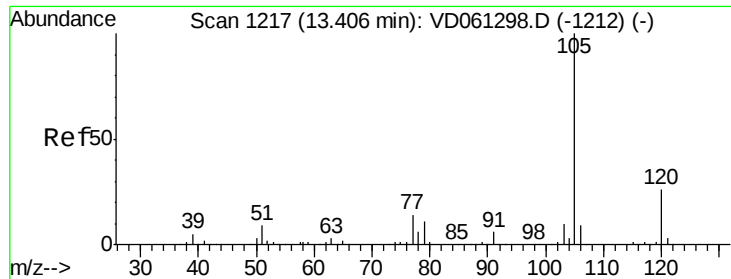
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD061331.D
Acq: 26 Mar 2019 9:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	29.2	87.6
150	159.5	0.0	319.6





#73

Isopropylbenzene

Concen: 48.727 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD061331.D

Acq: 26 Mar 2019 9:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1407641

Ion Ratio Lower Upper

105 100

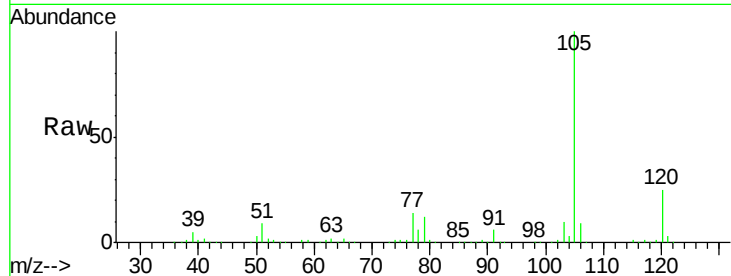
120 25.3 13.1 39.1

Manual Integrations

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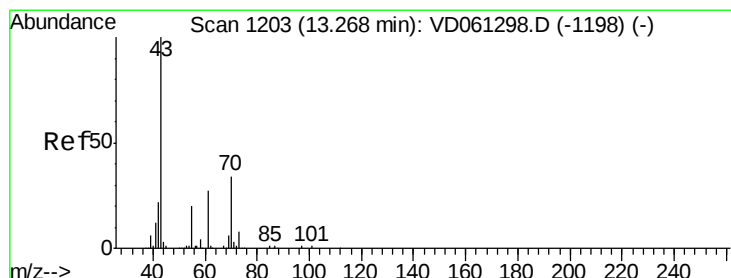
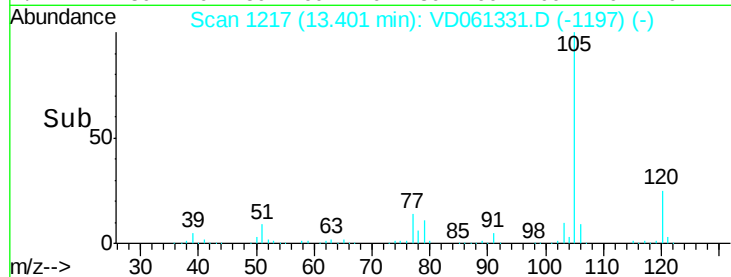
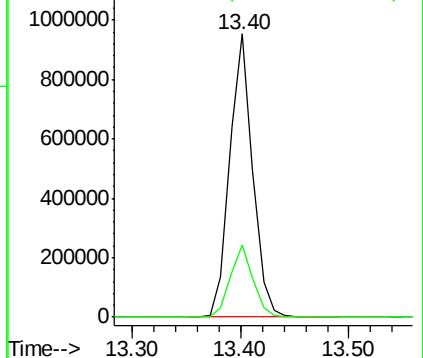
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 58.072 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD061331.D

Acq: 26 Mar 2019 9:25

Tgt Ion: 43 Resp: 438907

Ion Ratio Lower Upper

43 100

70 34.8 27.5 41.3

55 19.5 15.7 23.5

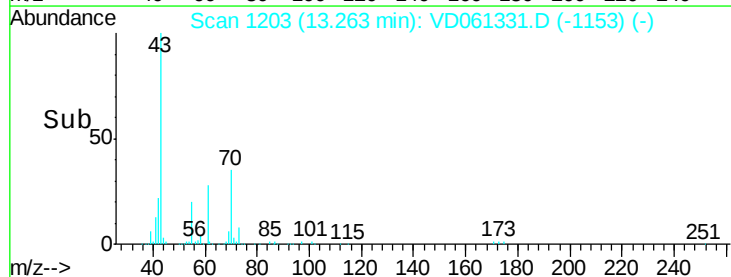
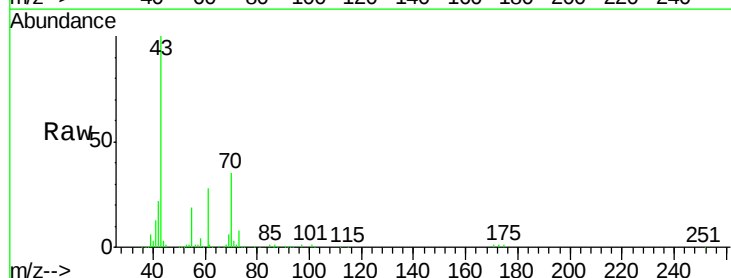
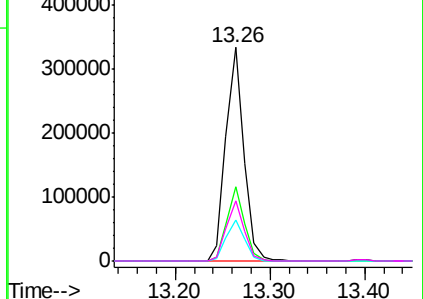
61 28.2 21.8 32.6

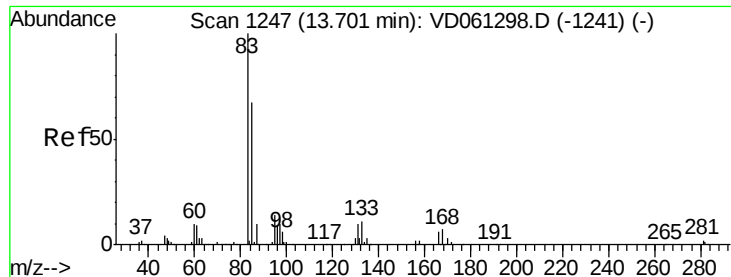
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 56.751 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD061331.D

Acq: 26 Mar 2019 9:25

Instrument :

MSVOA_D

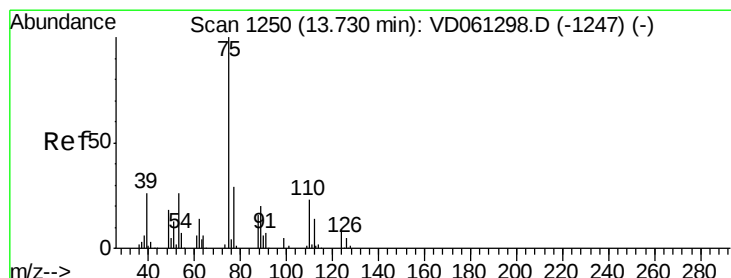
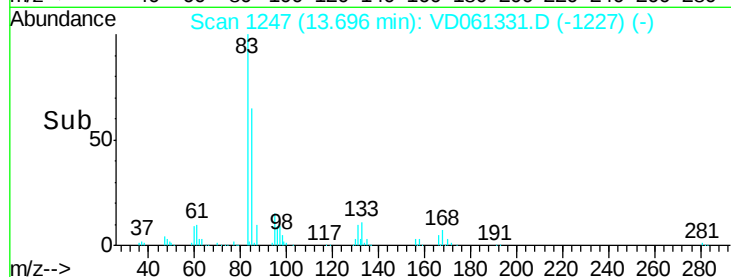
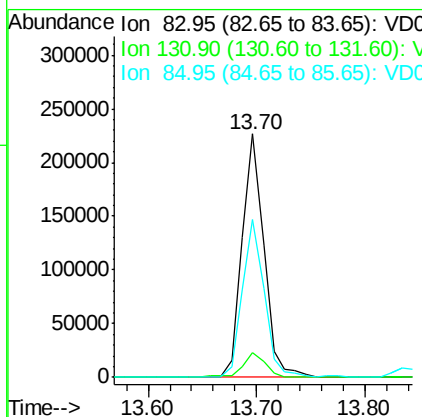
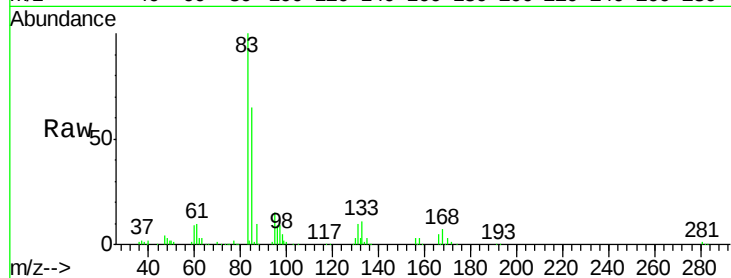
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	317924
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.0	15.0
85	65.0	33.4	100.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 59.138 ug/l

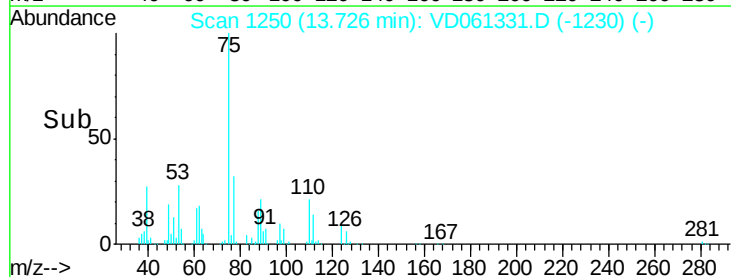
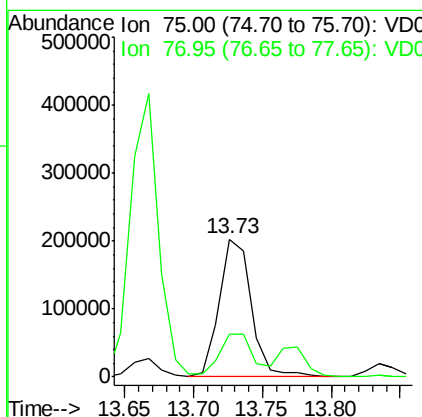
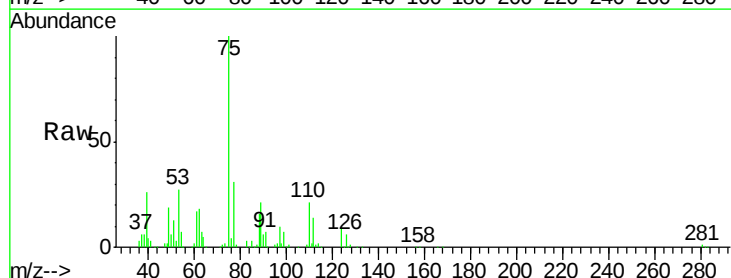
RT: 13.73 min Scan# 1250

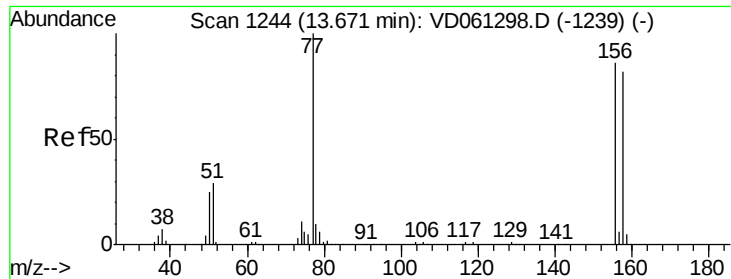
Delta R.T. -0.00 min

Lab File: VD061331.D

Acq: 26 Mar 2019 9:25

Tgt Ion:	75	Resp:	326652
Ion Ratio	Lower	Upper	
75	100		
77	31.5	15.8	47.4





#77

Bromobenzene

Concen: 58.713 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD061331.D

Acq: 26 Mar 2019 9:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 473776

Ion Ratio Lower Upper

156 100

77 116.2 58.4 175.1

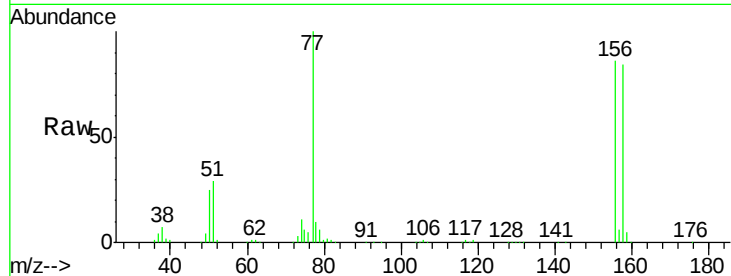
158 97.0 48.1 144.3

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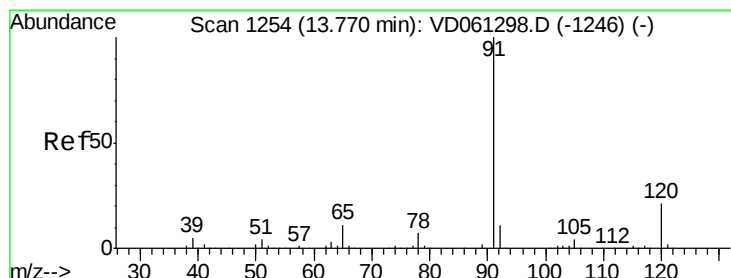
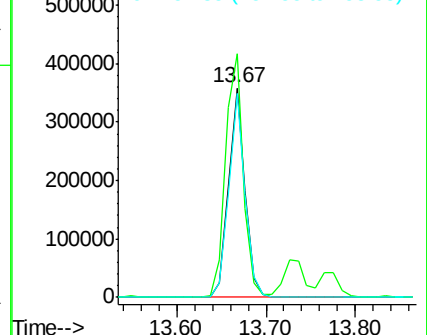
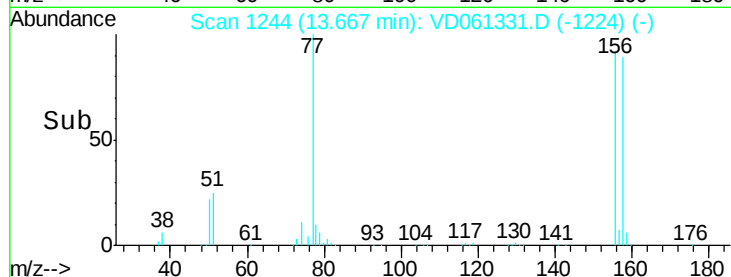
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 55.248 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061331.D

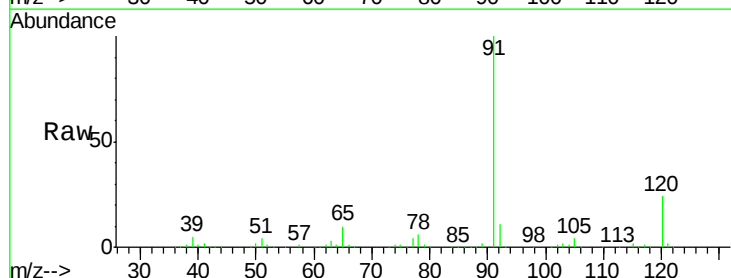
Acq: 26 Mar 2019 9:25

Tgt Ion: 91 Resp: 1800655

Ion Ratio Lower Upper

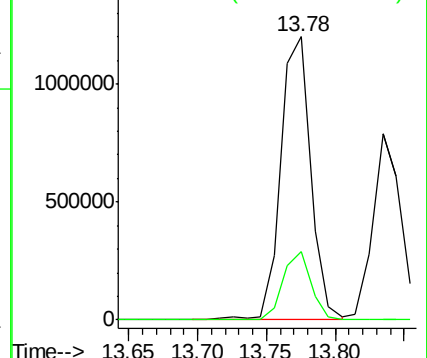
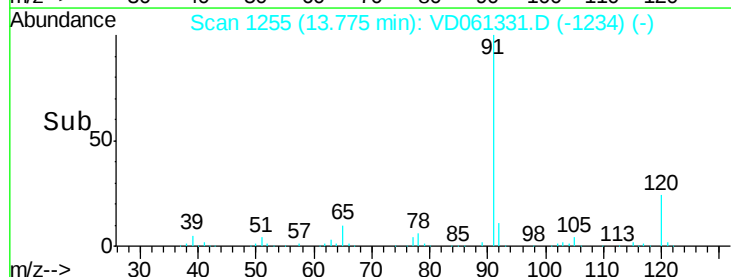
91 100

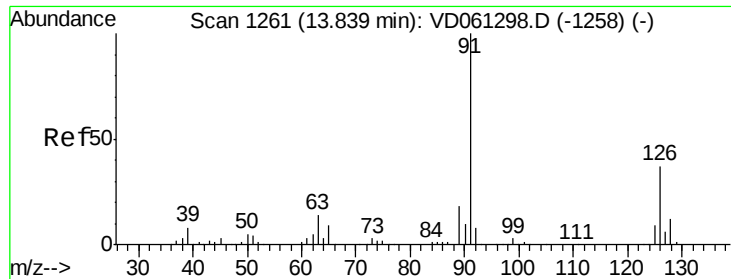
120 24.2 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 58.471 ug/l

RT: 13.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD061331.D

Acq: 26 Mar 2019 9:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1109568

Ion Ratio Lower Upper

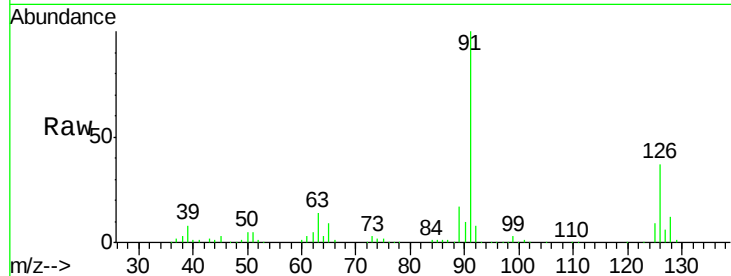
91 100

126 37.2 18.4 55.4

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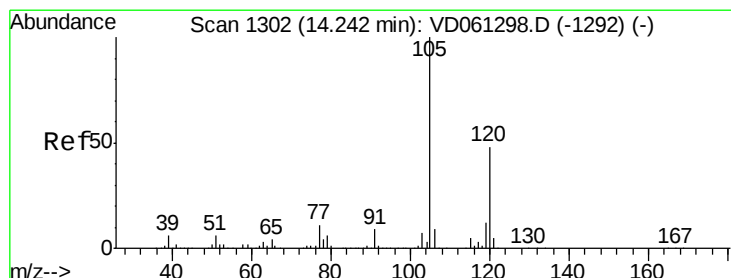
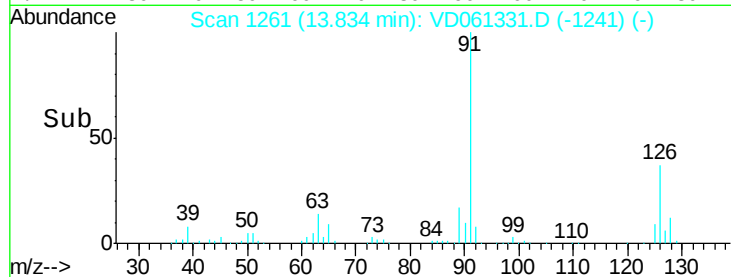
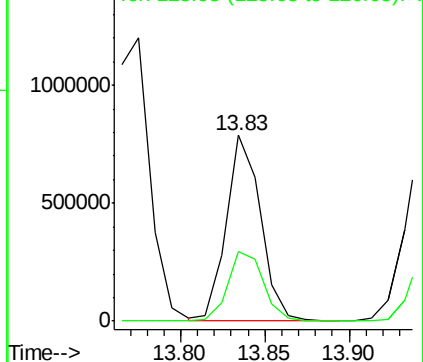
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 54.630 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VD061331.D

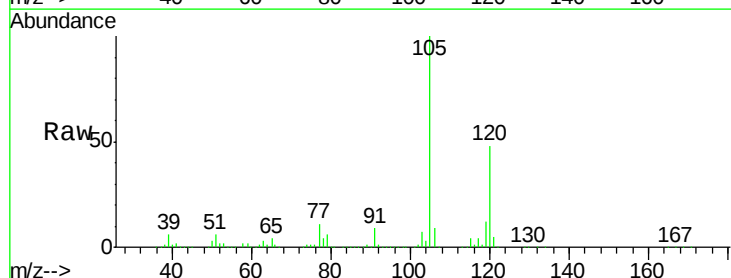
Acq: 26 Mar 2019 9:25

Tgt Ion:105 Resp: 1244997

Ion Ratio Lower Upper

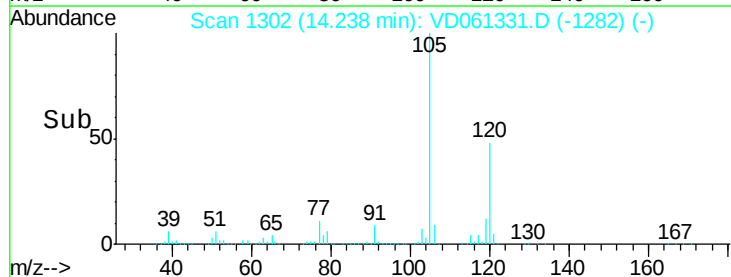
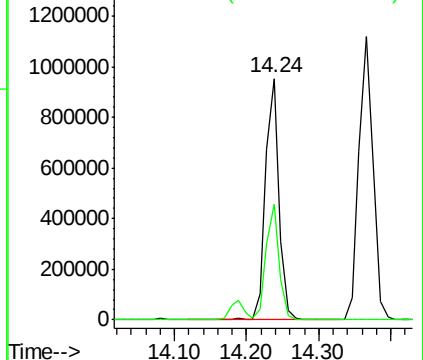
105 100

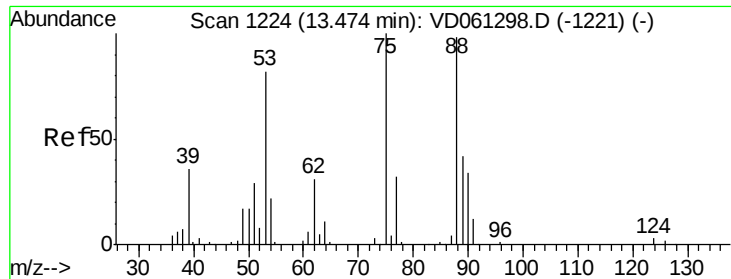
120 47.8 23.8 71.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





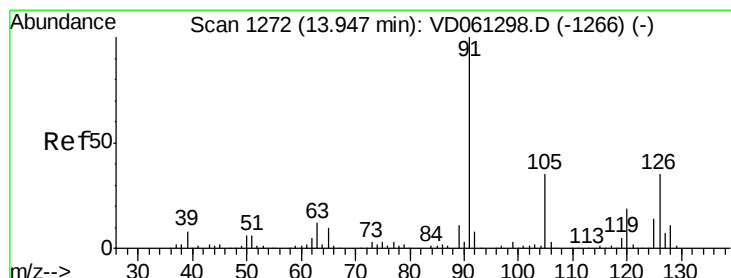
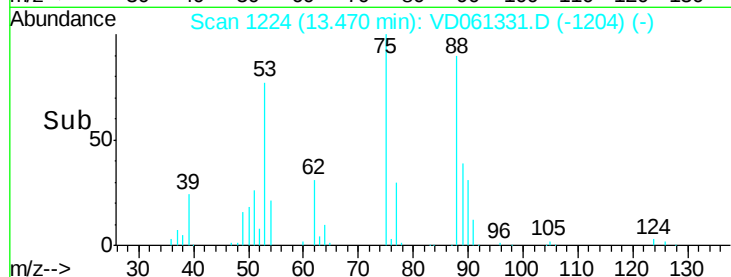
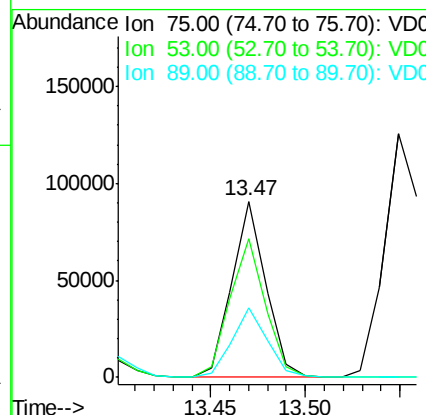
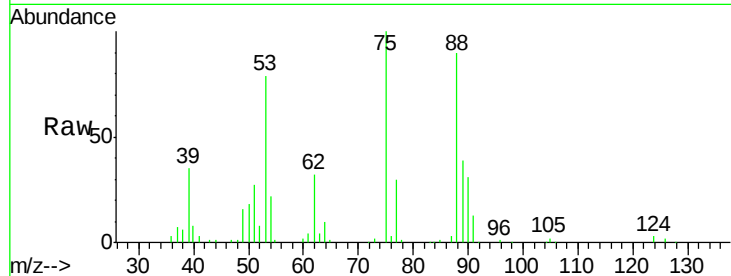
#81
trans-1,4-Dichloro-2-butene
Concen: 64.928 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD061331.D
Acq: 26 Mar 2019 9:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	78.9	65.3	97.9
89	39.2	33.8	50.6

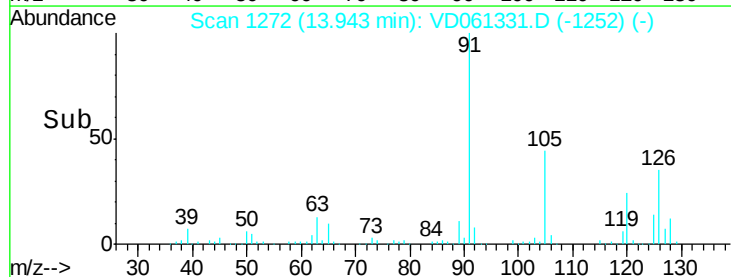
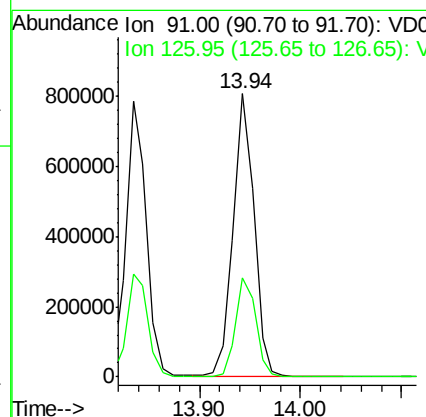
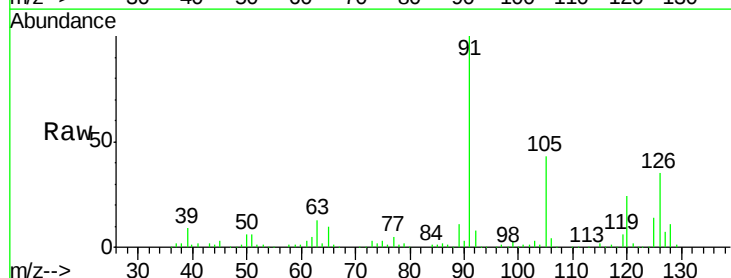
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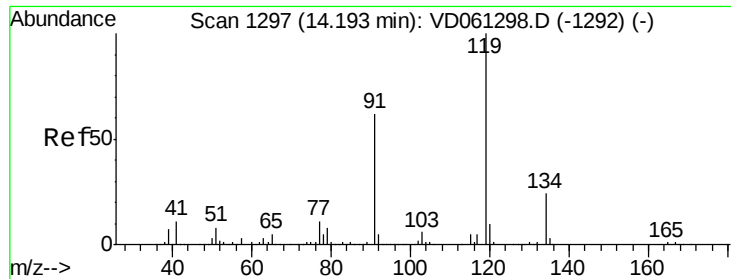
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#82
4-Chlorotoluene
Concen: 56.060 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD061331.D
Acq: 26 Mar 2019 9:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.7	53.1





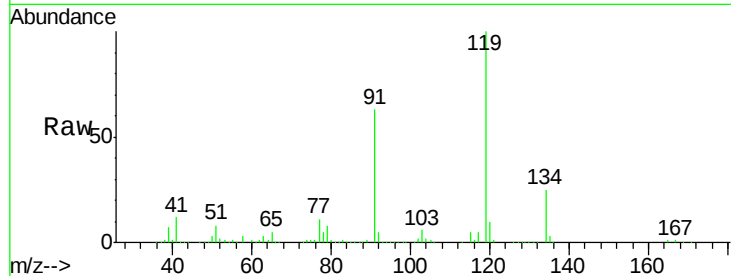
#83
tert-Butylbenzene
Concen: 57.505 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. -0.00 min
Lab File: VD061331.D
Acq: 26 Mar 2019 9:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

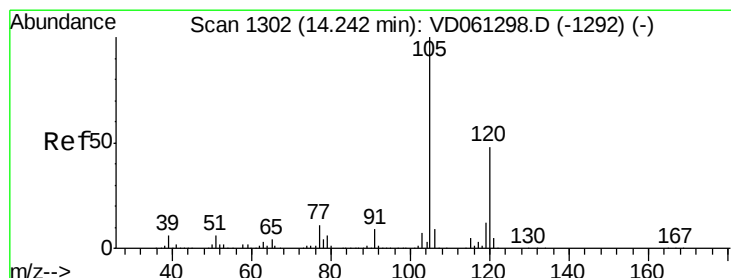
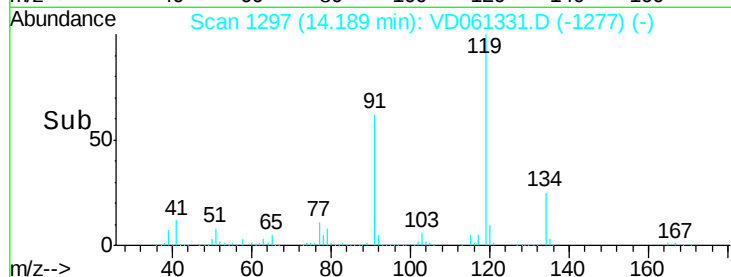
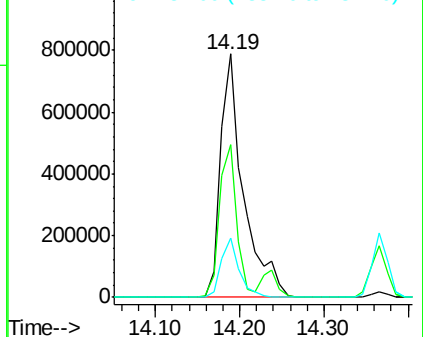
Tot Ion:119 Resp: 1496310
Ion Ratio Lower Upper
119 100
91 62.8 31.1 93.5
134 24.5 11.9 35.7

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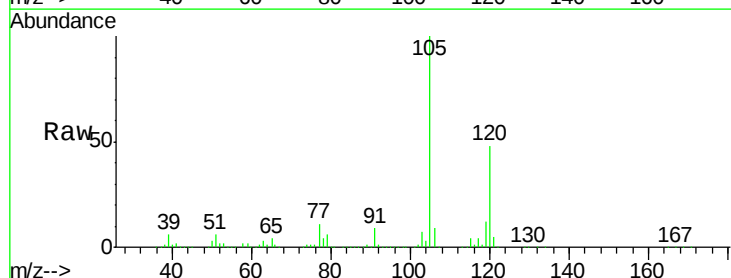


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

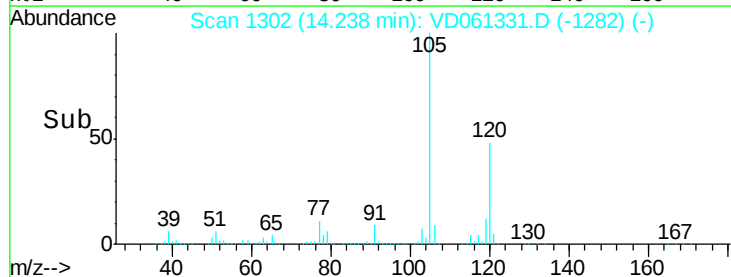
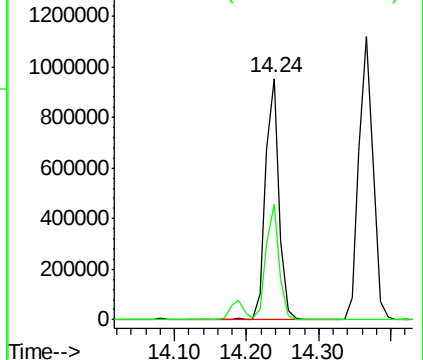


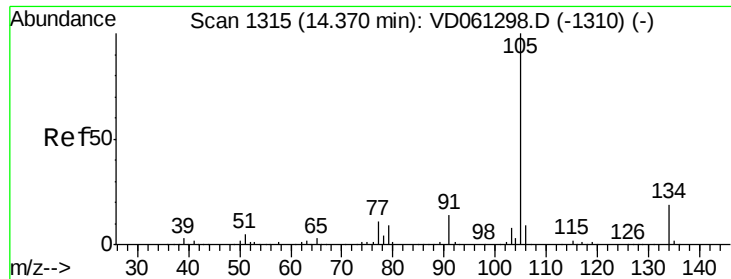
#84
1,2,4-Trimethylbenzene
Concen: 54.630 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VD061331.D
Acq: 26 Mar 2019 9:25

Tgt Ion:105 Resp: 1244997
Ion Ratio Lower Upper
105 100
120 47.8 23.8 71.4



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





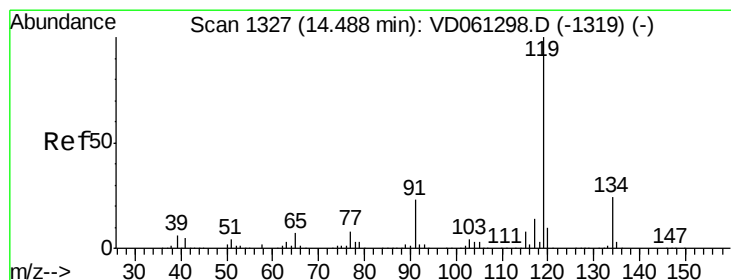
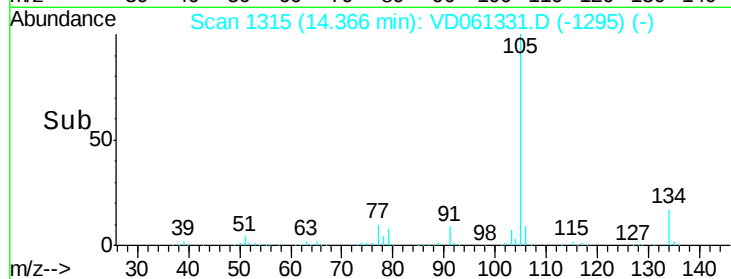
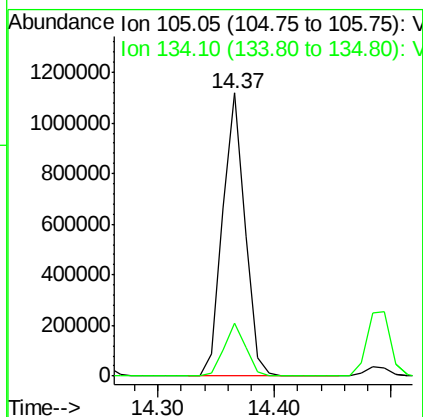
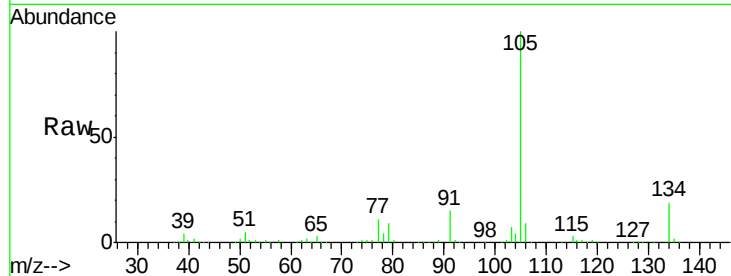
#85
 sec-Butylbenzene
 Concen: 51.190 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD061331.D
 Acq: 26 Mar 2019 9:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1483406
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.5 28.5

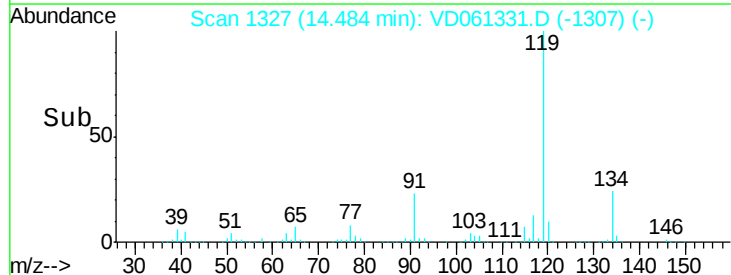
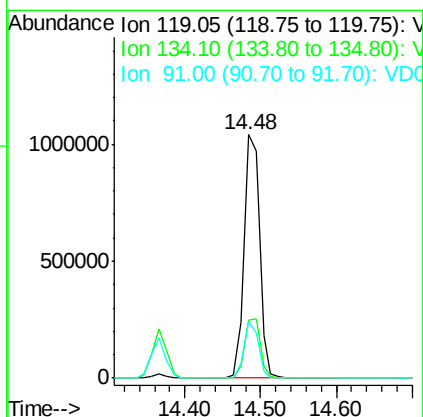
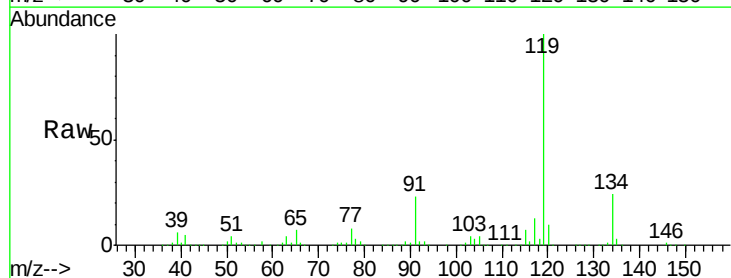
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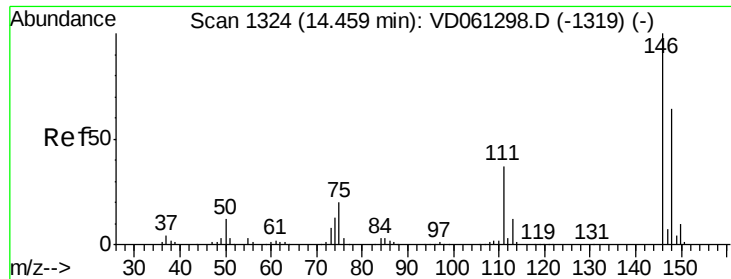
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#86
 p-Isopropyltoluene
 Concen: 56.521 ug/l
 RT: 14.48 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD061331.D
 Acq: 26 Mar 2019 9:25

Tgt Ion:119 Resp: 1461248
 Ion Ratio Lower Upper
 119 100
 134 23.9 12.1 36.3
 91 23.1 11.4 34.2





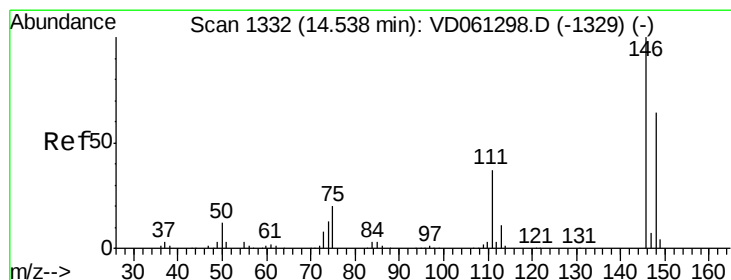
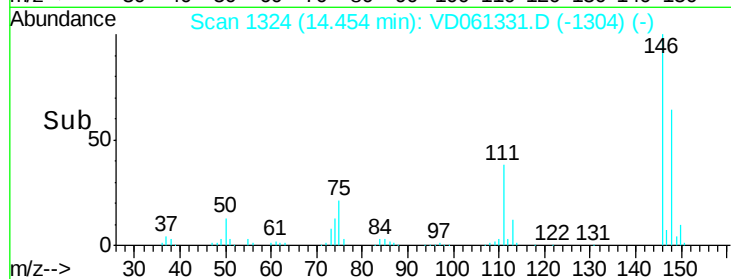
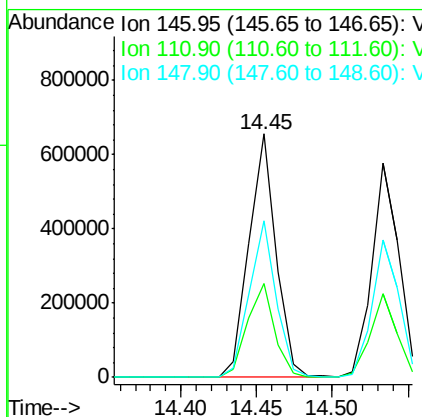
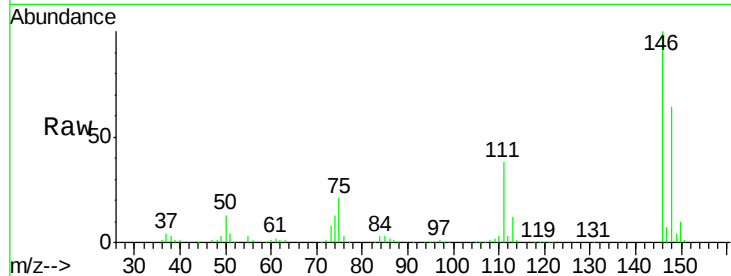
#87
 1,3-Dichlorobenzene
 Concen: 57.266 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD061331.D
 Acq: 26 Mar 2019 9:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.4	55.0
148	64.2	32.0	96.2

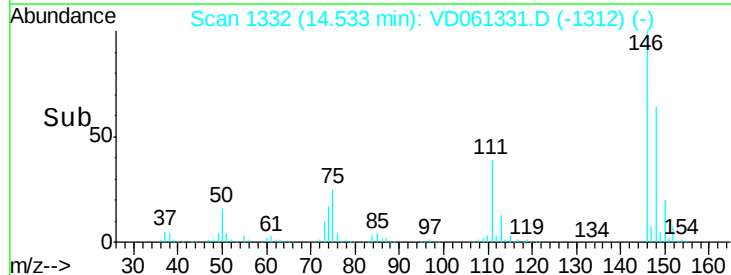
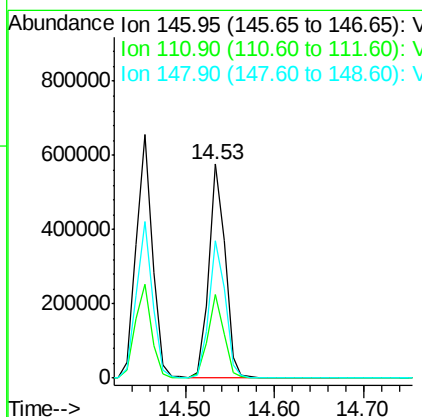
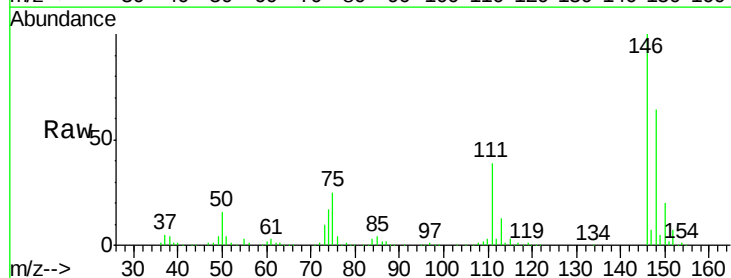
Manual Integrations
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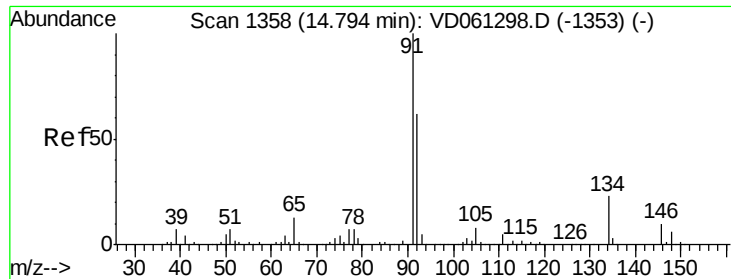
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 3/26/2019 11:59:58 AM



#88
 1,4-Dichlorobenzene
 Concen: 52.568 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD061331.D
 Acq: 26 Mar 2019 9:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	18.6	55.6
148	64.1	31.9	95.5





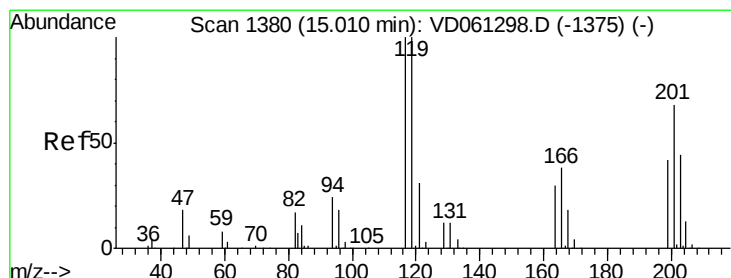
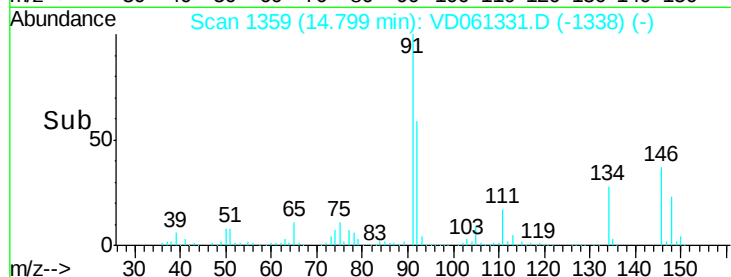
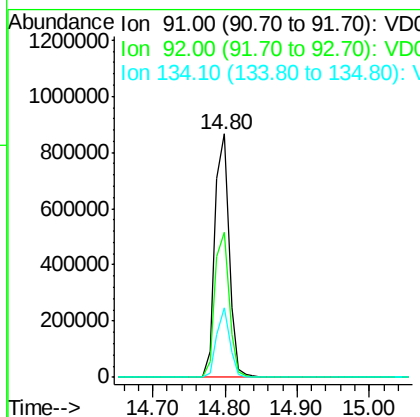
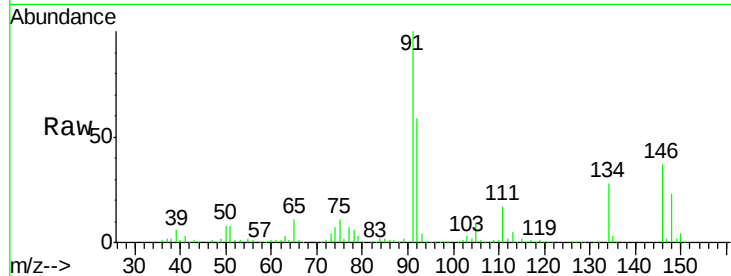
#89
n-Butylbenzene
Concen: 50.939 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD061331.D
Acq: 26 Mar 2019 9:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1169206
Ion Ratio Lower Upper
91 100
92 59.4 30.9 92.7
134 28.3 11.7 35.0

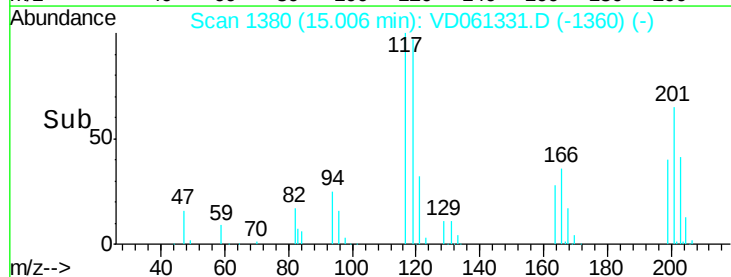
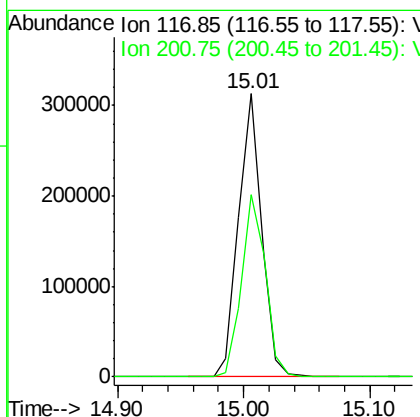
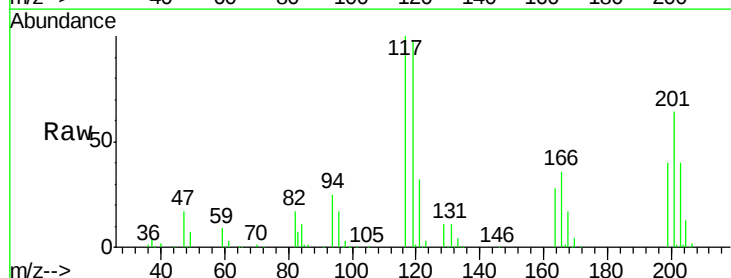
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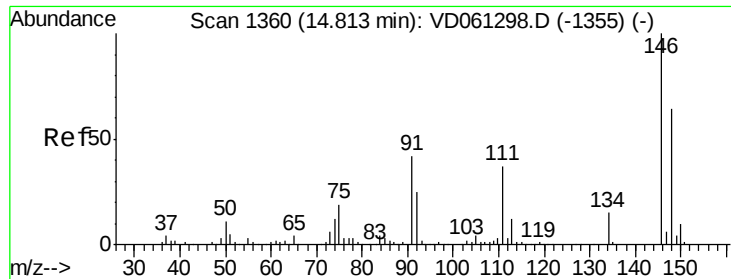
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#90
Hexachloroethane
Concen: 56.880 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD061331.D
Acq: 26 Mar 2019 9:25

Tgt Ion: 117 Resp: 394272
Ion Ratio Lower Upper
117 100
201 64.4 34.0 101.8





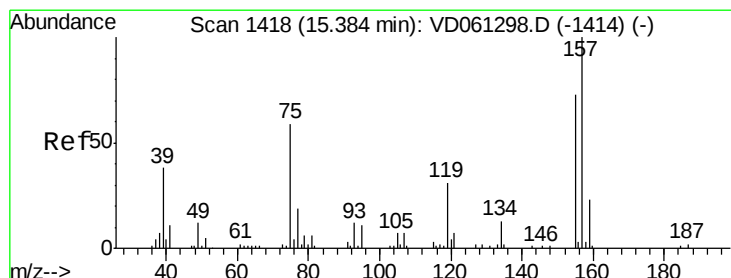
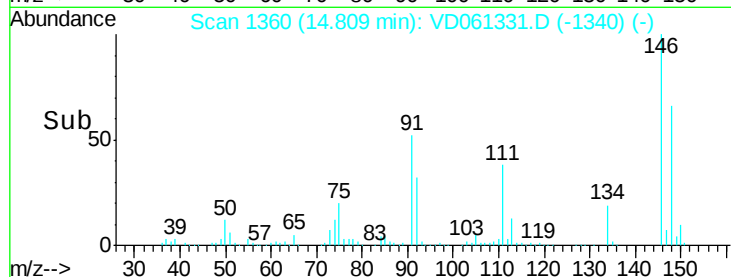
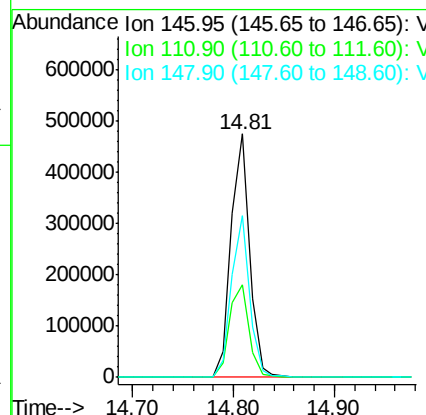
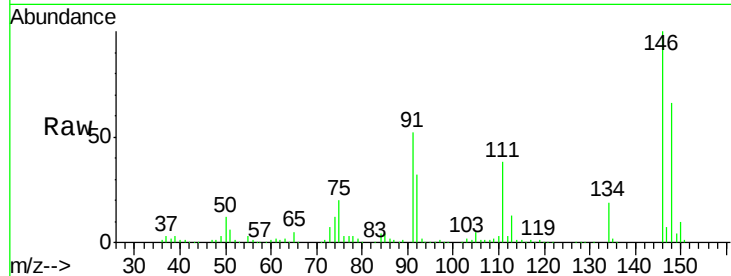
#91
 1,2-Dichlorobenzene
 Concen: 53.377 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD061331.D
 Acq: 26 Mar 2019 9:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.3	54.8
148	66.3	31.9	95.7

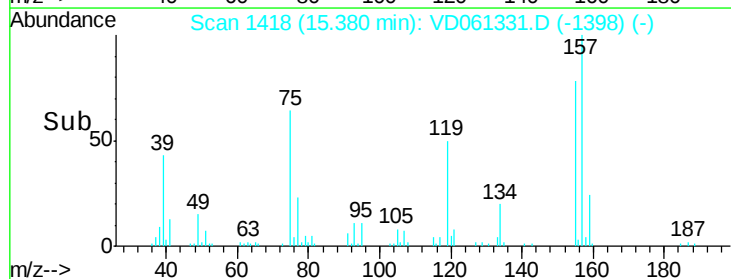
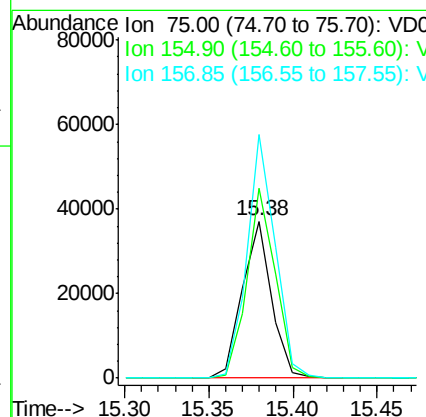
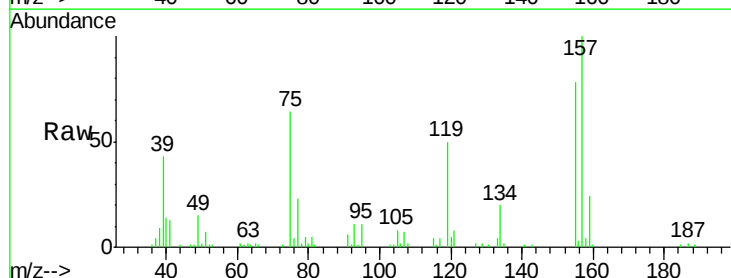
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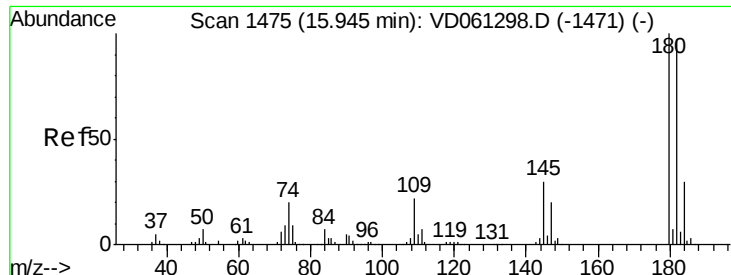
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 63.593 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD061331.D
 Acq: 26 Mar 2019 9:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	121.4	61.9	185.7
157	155.2	84.4	253.2





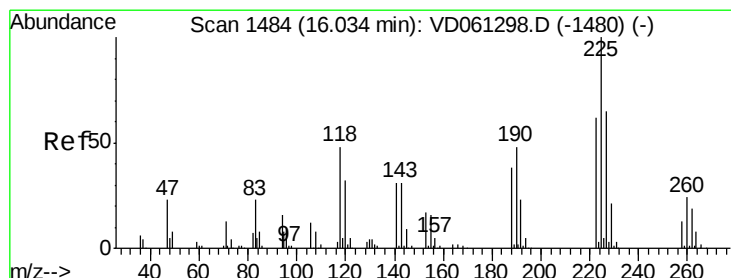
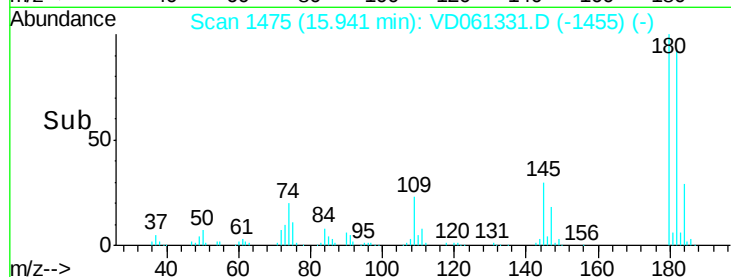
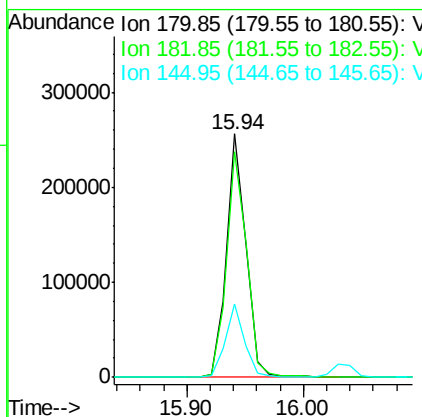
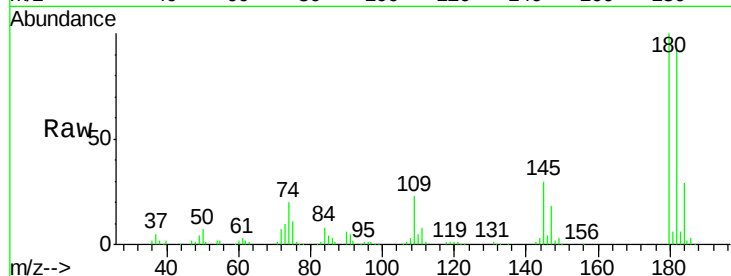
#93
 1,2,4-Trichlorobenzene
 Concen: 56.709 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD061331.D
 Acq: 26 Mar 2019 9:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	298910		
182	92.9	48.3	144.9	
145	30.2	14.8	44.4	

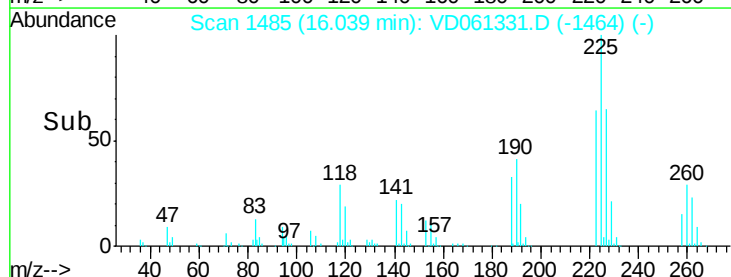
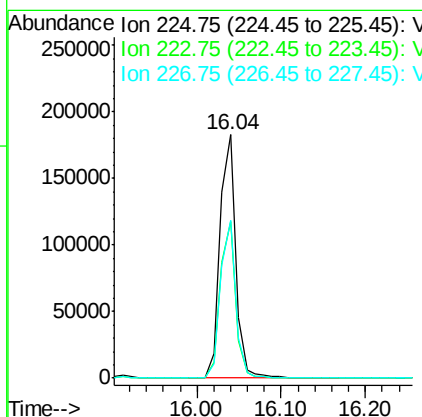
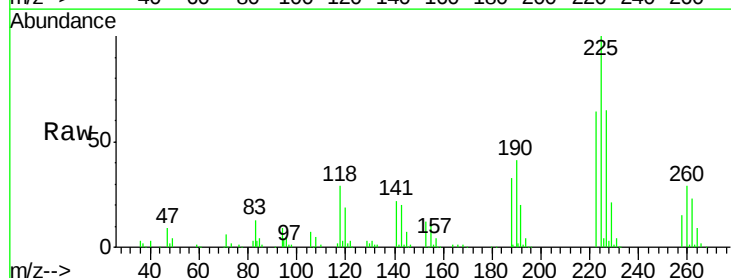
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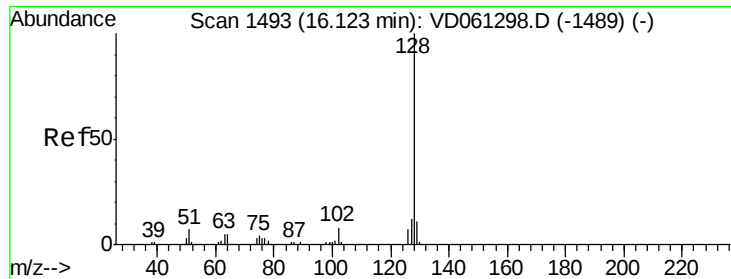
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#94
 Hexachlorobutadiene
 Concen: 56.055 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061331.D
 Acq: 26 Mar 2019 9:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	238074		
223	64.1	30.9	92.8	
227	64.9	32.6	97.7	





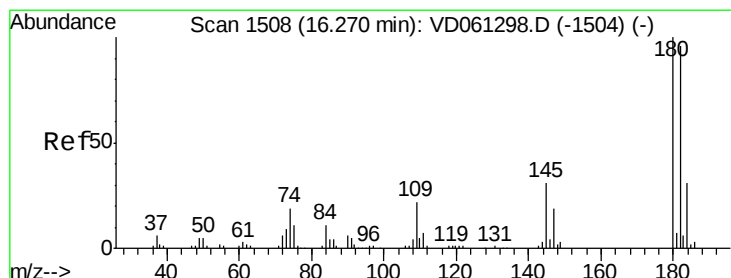
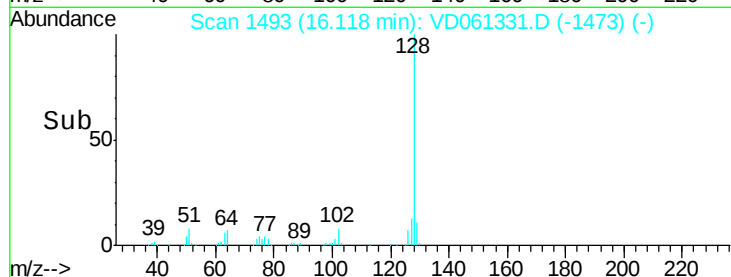
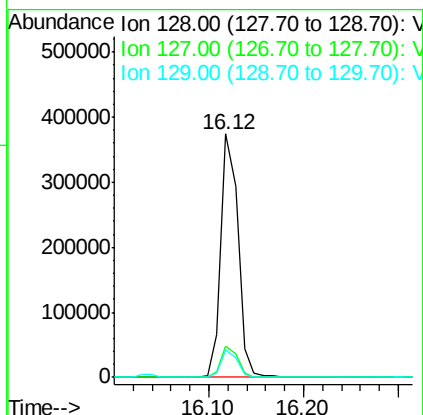
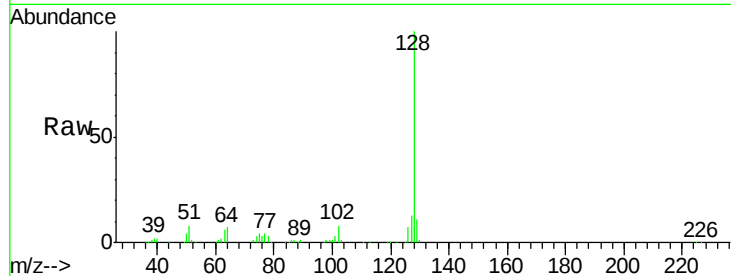
#95
Naphthalene
Concen: 61.184 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD061331.D
Acq: 26 Mar 2019 9:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	470563		
127	12.6		9.8	14.6
129	11.3		8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 55.583 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD061331.D
Acq: 26 Mar 2019 9:25

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	136837		
182	97.3		48.0	144.2
145	30.7		15.4	46.4

