

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070319\
 Data File : VD063016.D
 Acq On : 3 Jul 2019 10:43
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/9/2019 8:54:06 AM

Quant Time: Jul 04 01:20:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	842162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1142486	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1065449	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	585159	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	485146	53.00	ug/l	0.00
Spiked Amount 50.000			Recovery =	106.00%		
35) Dibromofluoromethane	6.92	113	506943	52.62	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.24%		
50) Toluene-d8	10.41	98	1066970	50.89	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.78%		
62) 4-Bromofluorobenzene	13.56	95	514036	53.92	ug/l	0.00
Spiked Amount 50.000			Recovery =	107.84%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	505279	46.365	ug/l	98
3) Chloromethane	1.75	50	383803	46.829	ug/l	92
4) Vinyl Chloride	1.84	62	397414	48.905	ug/l	100
5) Bromomethane	2.15	94	192496	50.582	ug/l	93
6) Chloroethane	2.27	64	199433	54.208	ug/l	99
7) Trichlorofluoromethane	2.52	101	883490	53.721	ug/l	96
8) Diethyl Ether	2.87	74	117961	56.452	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.14	101	482826	54.192	ug/l	93
10) Methyl Iodide	3.30	142	600570	51.094	ug/l	98
11) Tert butyl alcohol	4.07	59	118862	285.093	ug/l	98
12) 1,1-Dichloroethene	3.12	96	349908	52.353	ug/l	92
13) Acrolein	3.03	56	86852	204.055	ug/l	97
14) Allyl chloride	3.62	41	543771	55.061	ug/l	91
15) Acrylonitrile	4.20	53	272949	278.617	ug/l #	92
16) Acetone	3.22	43	512532	276.842	ug/l	96
17) Carbon Disulfide	3.37	76	996003	46.628	ug/l	99
18) Methyl Acetate	3.64	43	165857	60.019	ug/l	95
19) Methyl tert-butyl Ether	4.24	73	808138	55.853	ug/l	97
20) Methylene Chloride	3.81	84	363250	52.031	ug/l	93
21) trans-1,2-Dichloroethene	4.22	96	365434	51.349	ug/l	86
22) Diisopropyl ether	5.12	45	1169226	58.217	ug/l	100
23) Vinyl Acetate	5.05	43	3573900	284.377	ug/l	99
24) 1,1-Dichloroethane	4.98	63	712637	54.498	ug/l	99
25) 2-Butanone	6.08	43	518771	303.001	ug/l	99
26) 2,2-Dichloropropane	6.02	77	810656	58.488	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	435815	57.910	ug/l	93
28) Bromochloromethane	6.44	49	258849	56.205	ug/l	96
29) Tetrahydrofuran	6.46	42	237493	293.178	ug/l	96
30) Chloroform	6.67	83	924726	58.149	ug/l	98
31) Cyclohexane	6.95	56	452566	52.646	ug/l	100
32) 1,1,1-Trichloroethane	6.86	97	933561	56.361	ug/l	97
36) 1,1-Dichloropropene	7.15	75	575584	53.220	ug/l	95
37) Ethyl Acetate	6.19	43	247014	54.469	ug/l	97
38) Carbon Tetrachloride	7.11	117	887030m	54.534	ug/l	

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	466639	49.017	ug/l	97
40) Benzene	7.46	78	1211485	55.804	ug/l	97
41) Methacrylonitrile	6.45	41	336484	58.996	ug/l #	92
42) 1,2-Dichloroethane	7.58	62	669326	56.516	ug/l	100
43) Isopropyl Acetate	9.25	43	323886	57.122	ug/l	97
44) Trichloroethene	8.54	130	451164	53.009	ug/l	98
45) 1,2-Dichloropropane	8.93	63	278879	51.661	ug/l	93
46) Dibromomethane	9.06	93	267138	57.608	ug/l	98
47) Bromodichloromethane	9.38	83	720358	59.815	ug/l	95
48) Methyl methacrylate	9.12	41	252089	62.564	ug/l	97
49) 1,4-Dioxane	9.09	88	40075	1195.463	ug/l #	86
51) 4-Methyl-2-Pentanone	10.30	43	1208877	300.712	ug/l	97
52) Toluene	10.51	92	790054	54.139	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	583391	59.185	ug/l	97
54) cis-1,3-Dichloropropene	10.04	75	600807	56.077	ug/l	95
55) 1,1,2-Trichloroethane	11.20	97	268604	53.574	ug/l	94
56) Ethyl methacrylate	11.05	69	309387	57.743	ug/l	94
57) 1,3-Dichloropropane	11.41	76	452694	58.970	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	749971	272.644	ug/l	97
59) 2-Hexanone	11.53	43	919069	321.012	ug/l	95
60) Dibromochloromethane	11.69	129	528791	56.624	ug/l	100
61) 1,2-Dibromoethane	11.81	107	351759	59.405	ug/l	99
64) Tetrachloroethene	11.26	164	415744	47.411	ug/l	99
65) Chlorobenzene	12.40	112	1019342	51.551	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	497625	53.813	ug/l	94
67) Ethyl Benzene	12.53	91	1911147	53.833	ug/l	99
68) m/p-Xylenes	12.66	106	1176326	95.135	ug/l	99
69) o-Xylene	13.05	106	611379	54.089	ug/l	100
70) Styrene	13.08	104	1050391	52.906	ug/l	93
71) Bromoform	13.23	173	355270	56.074	ug/l	95
73) Isopropylbenzene	13.40	105	1799662	47.966	ug/l	99
74) N-amyl acetate	13.26	43	531597	58.344	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	330933	54.135	ug/l	96
76) 1,2,3-Trichloropropane	13.74	75	371652	55.017	ug/l	100
77) Bromobenzene	13.67	156	535003	53.015	ug/l	90
78) n-propylbenzene	13.78	91	2253693	51.609	ug/l	96
79) 2-Chlorotoluene	13.84	91	1275022	51.091	ug/l	94
80) 1,3,5-Trimethylbenzene	13.93	105	1628550	51.676	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	102362	57.817	ug/l	87
82) 4-Chlorotoluene	13.95	91	1505855	50.120	ug/l	95
83) tert-Butylbenzene	14.19	119	1868095	53.180	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	1642806	50.859	ug/l	99
85) sec-Butylbenzene	14.37	105	1930744	50.570	ug/l	94
86) p-Isopropyltoluene	14.49	119	1733837	49.640	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	936103	51.747	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	943532	51.929	ug/l	97
89) n-Butylbenzene	14.80	91	1686297	51.582	ug/l	96
90) Hexachloroethane	15.01	117	498647	53.098	ug/l	81
91) 1,2-Dichlorobenzene	14.81	146	806044	52.079	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	67624	56.676	ug/l	61

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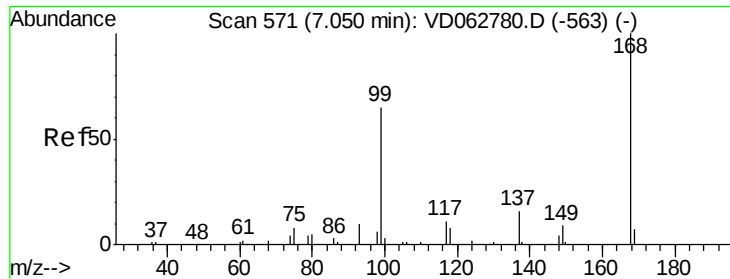
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	617807	51.099	ug/l	96
94) Hexachlorobutadiene	16.04	225	473529	51.267	ug/l	98
95) Naphthalene	16.13	128	912551	53.851	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	504478	54.306	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD063016.D

Acq: 3 Jul 2019 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 842162

Ion Ratio Lower Upper

168 100

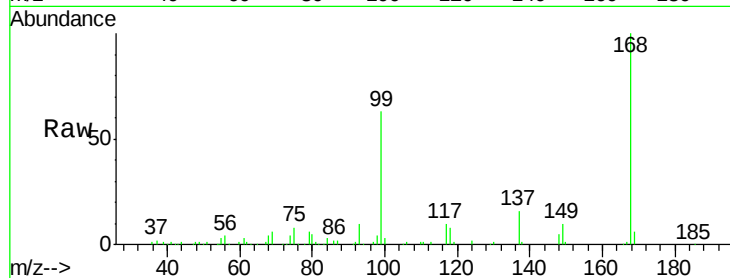
99 62.7 53.0 79.6

Manual Integrations

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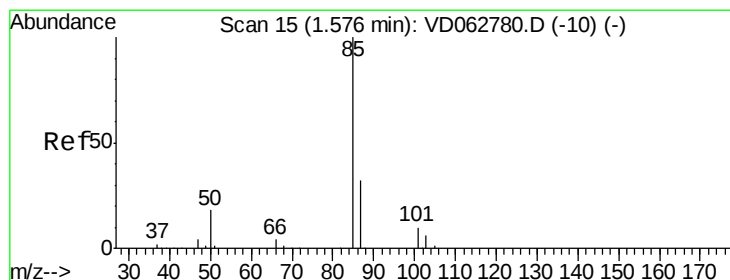
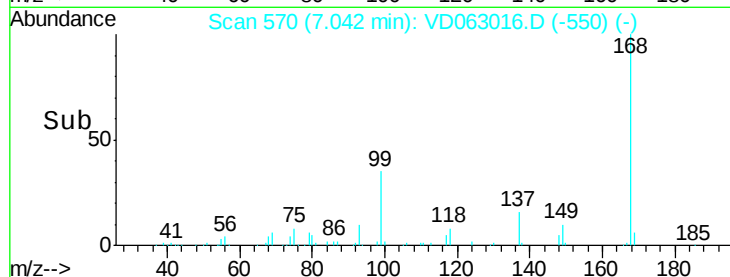
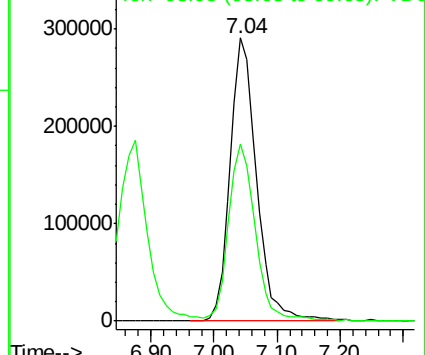
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 46.365 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD063016.D

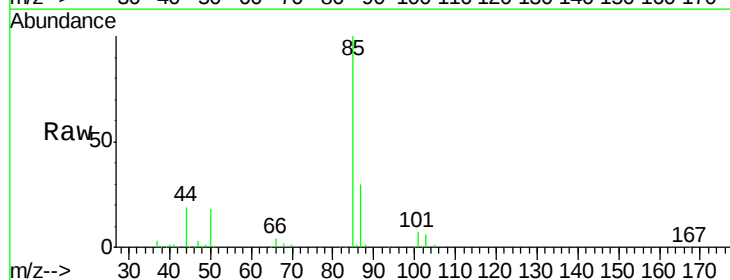
Acq: 3 Jul 2019 10:43

Tgt Ion: 85 Resp: 505279

Ion Ratio Lower Upper

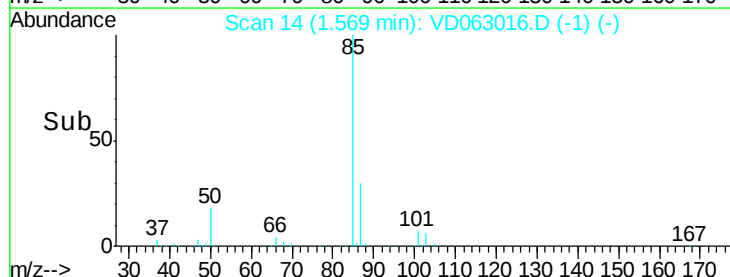
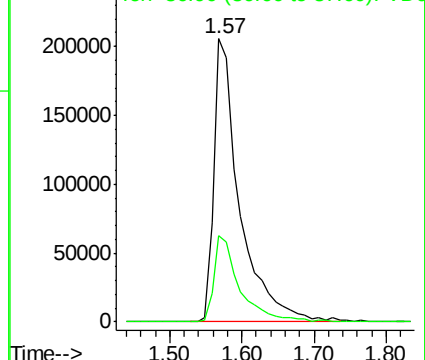
85 100

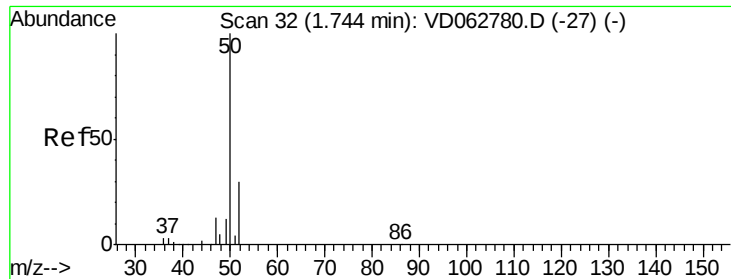
87 30.3 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 46.829 ug/l

RT: 1.75 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD063016.D

Acq: 3 Jul 2019 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 383803

Ion Ratio Lower Upper

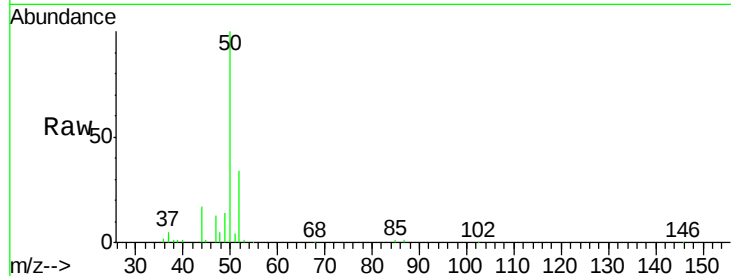
50 100

52 33.9 23.6 35.4

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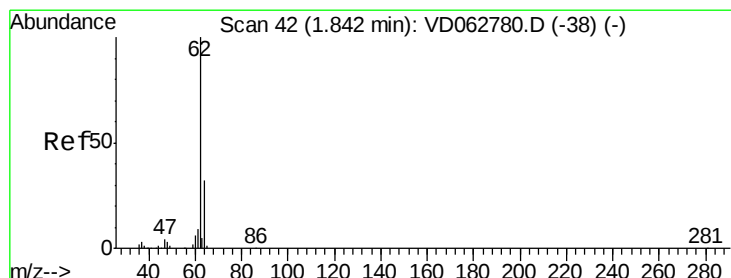
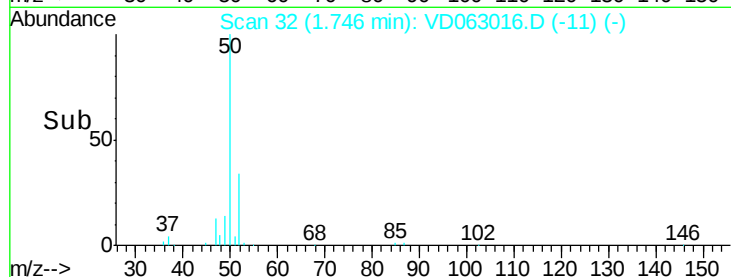
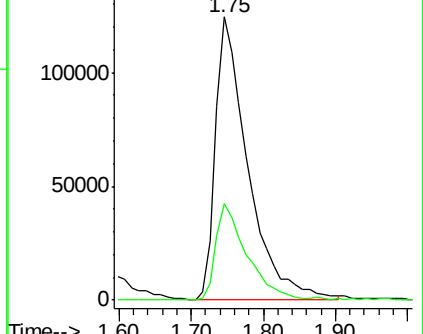
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.905 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063016.D

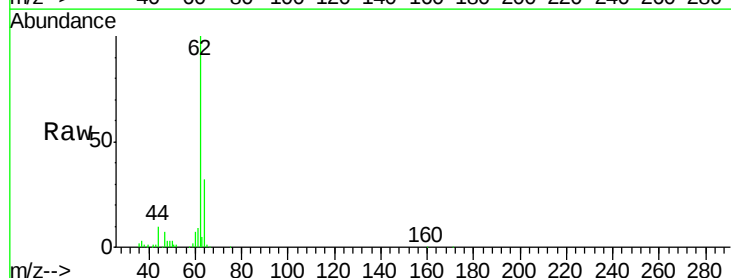
Acq: 3 Jul 2019 10:43

Tgt Ion: 62 Resp: 397414

Ion Ratio Lower Upper

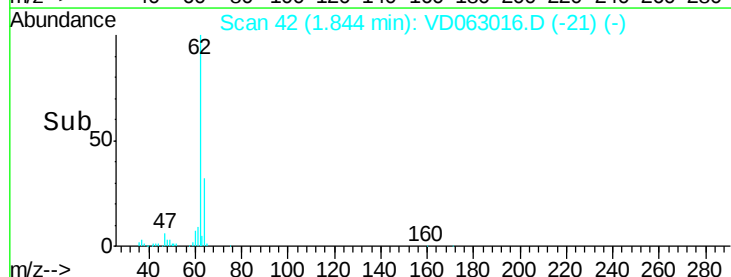
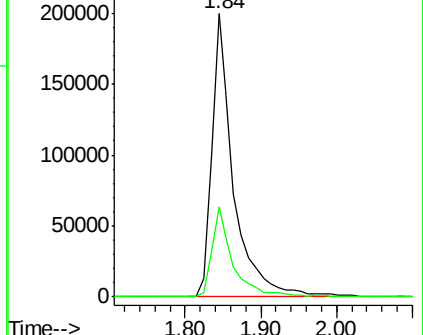
62 100

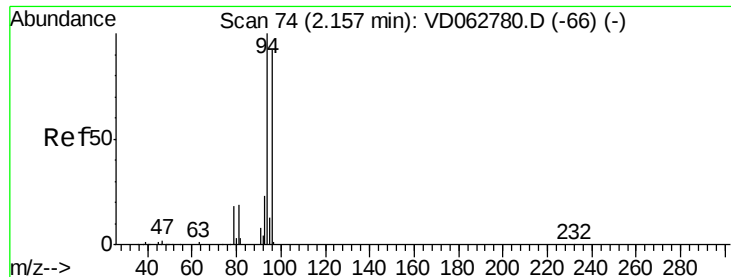
64 31.8 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 50.582 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD063016.D

Acq: 3 Jul 2019 10:43

Instrument :

MSVOA_D

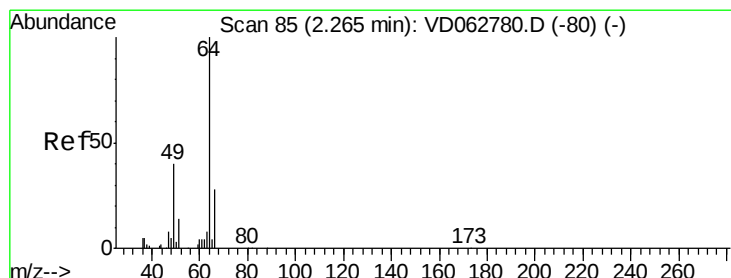
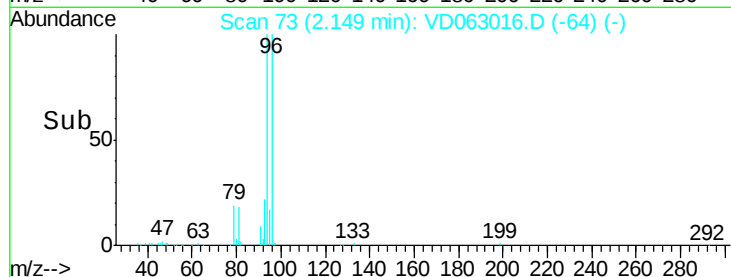
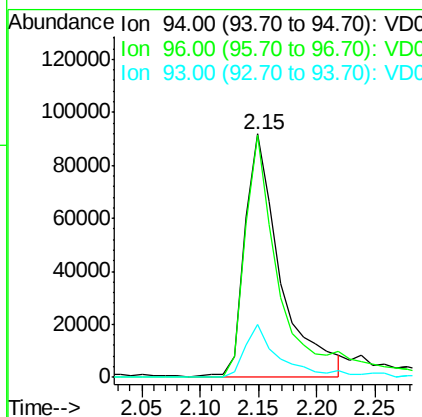
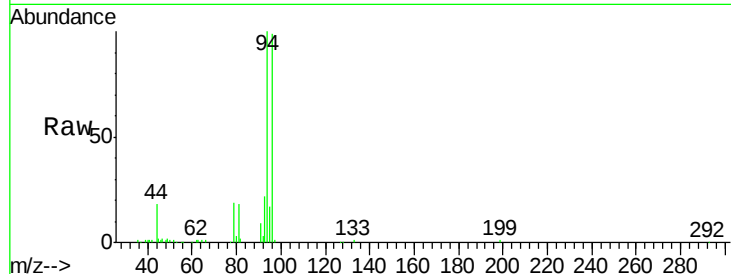
ClientSampleId :

VSTDCCC050

Tot Ion:	94	Resp:	192496
Ion	Ratio	Lower	Upper
94	100		
96	99.5	73.4	110.2
93	21.6	18.2	27.4

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#6

Chloroethane

Concen: 54.208 ug/l

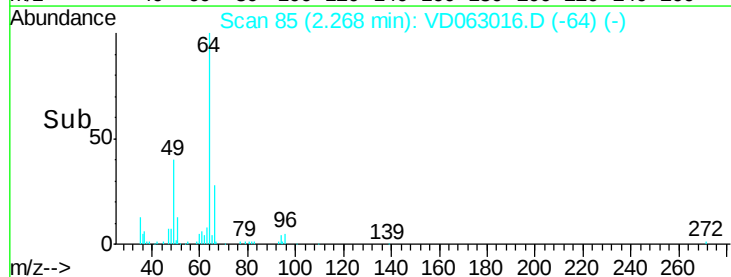
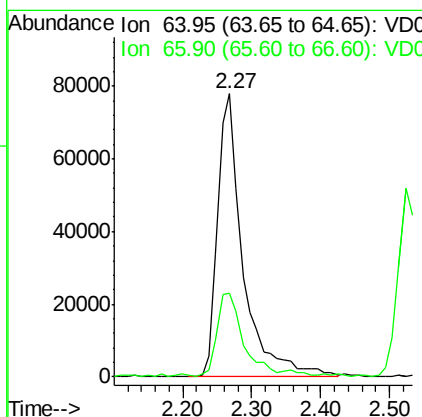
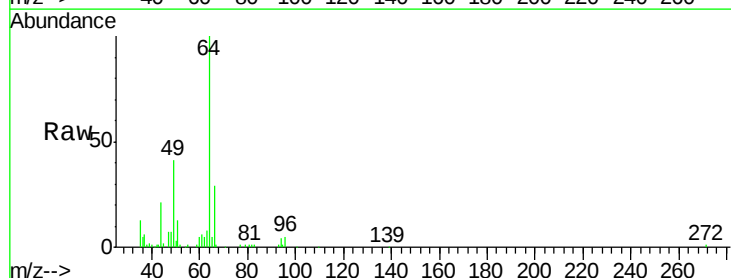
RT: 2.27 min Scan# 85

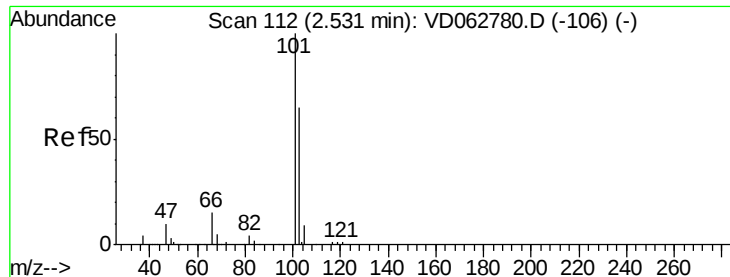
Delta R.T. 0.00 min

Lab File: VD063016.D

Acq: 3 Jul 2019 10:43

Tgt Ion:	64	Resp:	199433
Ion	Ratio	Lower	Upper
64	100		
66	29.4	23.0	34.4





#7

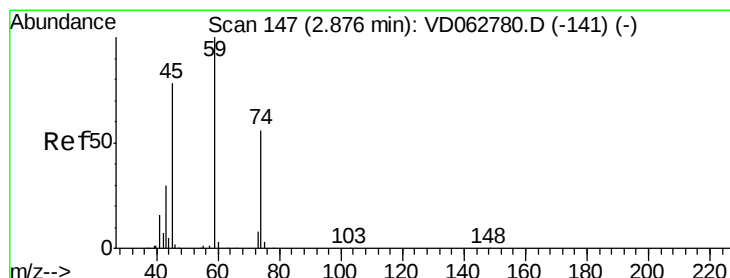
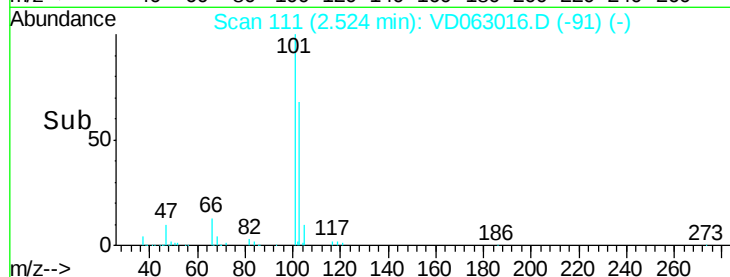
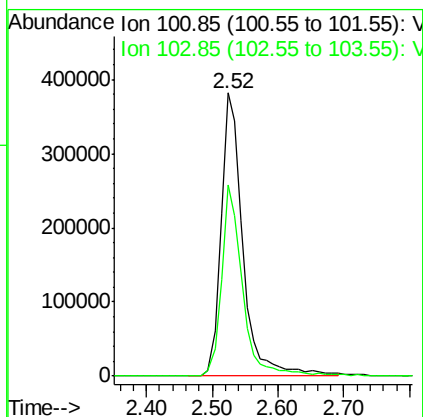
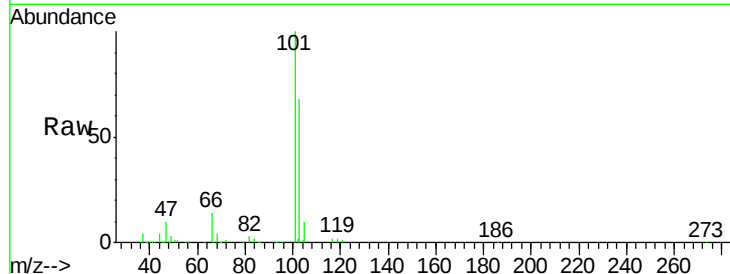
Trichlorofluoromethane
 Concen: 53.721 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.01 min
 Lab File: VD063016.D
 Acq: 3 Jul 2019 10:43

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	883490		
103	67.7	51.8	77.8	

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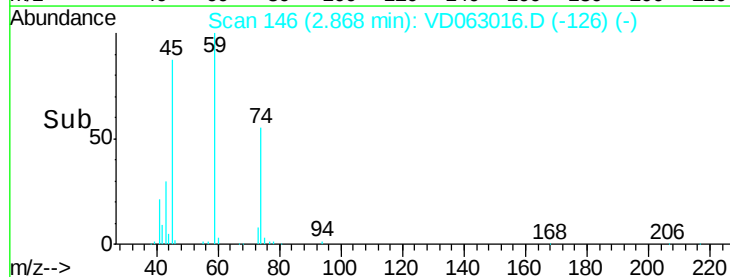
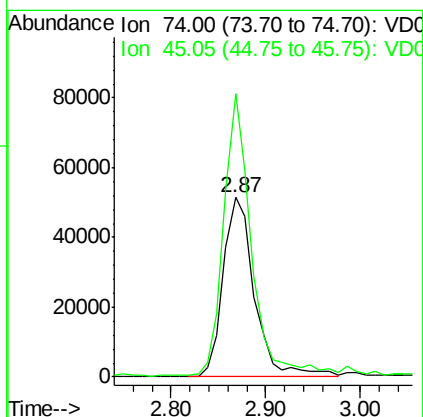
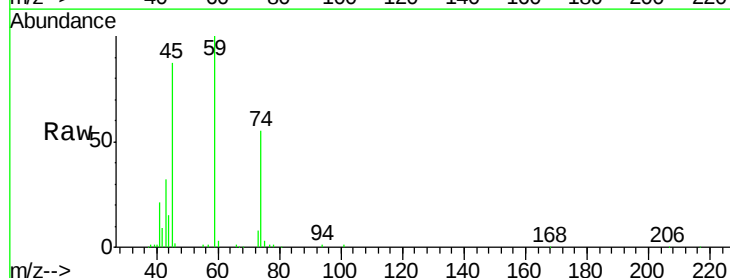
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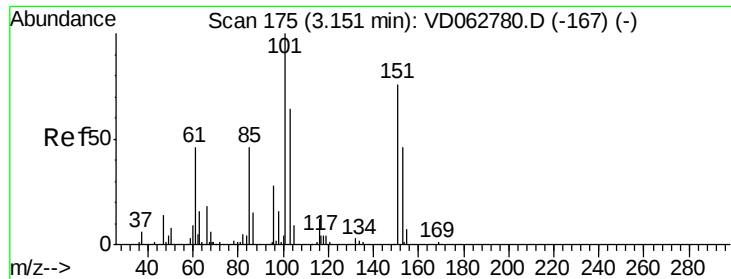


#8

Diethyl Ether
 Concen: 56.452 ug/l
 RT: 2.87 min Scan# 146
 Delta R.T. -0.01 min
 Lab File: VD063016.D
 Acq: 3 Jul 2019 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	117961		
45	157.6	70.2	210.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.192 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD063016.D

Acq: 3 Jul 2019 10:43

Instrument :

MSVOA_D

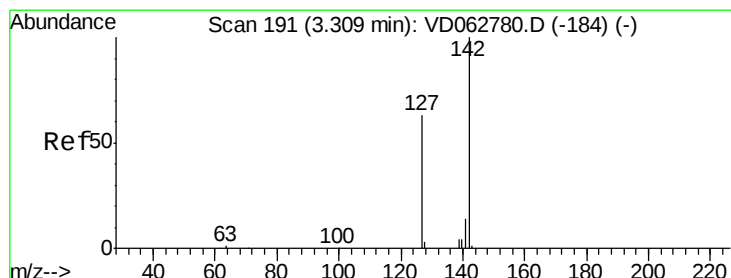
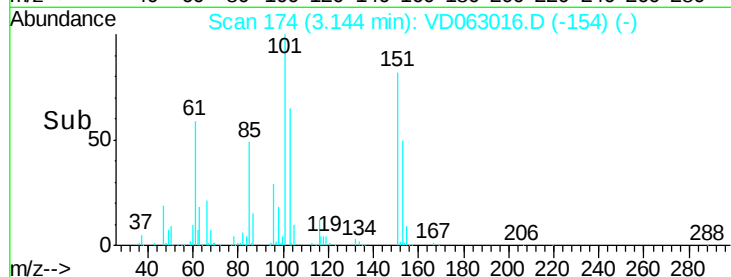
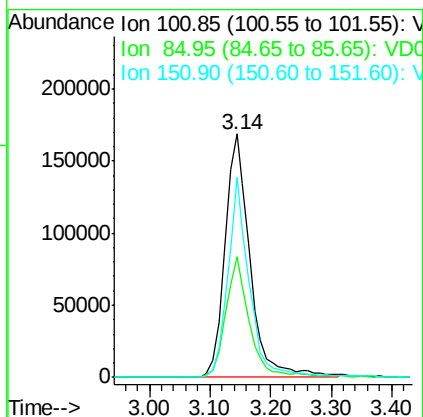
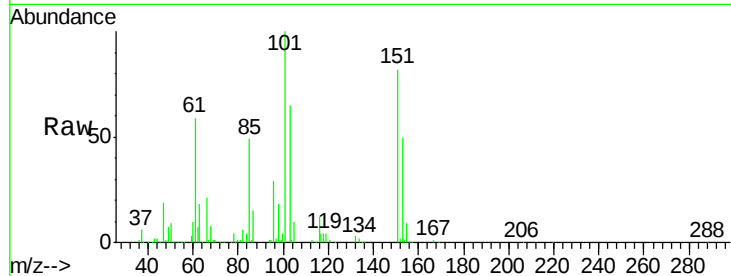
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	482826
Ion Ratio	Lower	Upper	
101	100		
85	49.5	37.0	55.4
151	82.1	60.5	90.7

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#10

Methyl Iodide

Concen: 51.094 ug/l

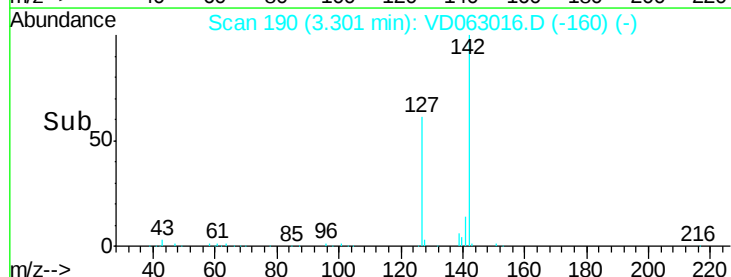
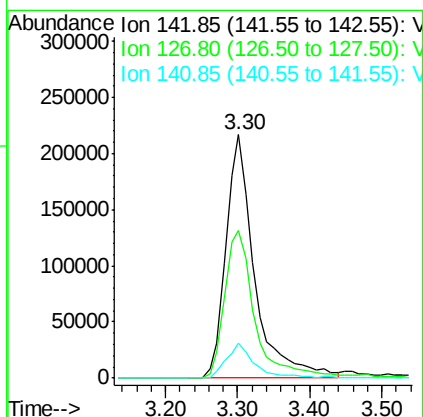
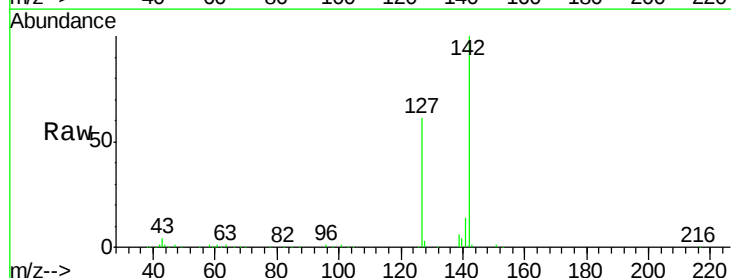
RT: 3.30 min Scan# 190

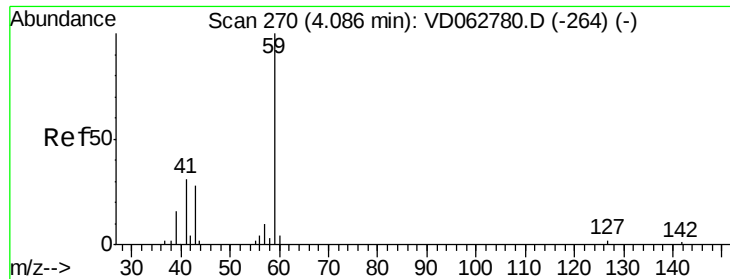
Delta R.T. -0.01 min

Lab File: VD063016.D

Acq: 3 Jul 2019 10:43

Tgt Ion:	142	Resp:	600570
Ion Ratio	Lower	Upper	
142	100		
127	60.6	50.1	75.1
141	14.5	11.0	16.4





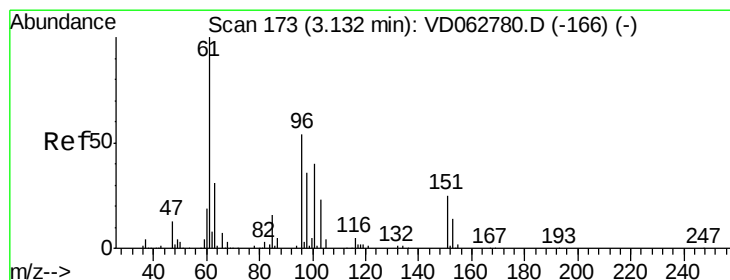
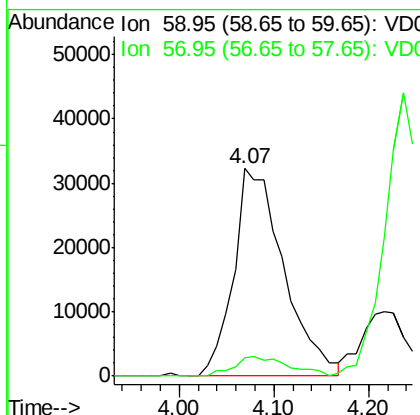
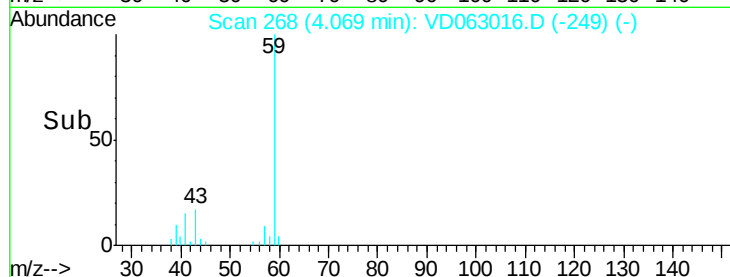
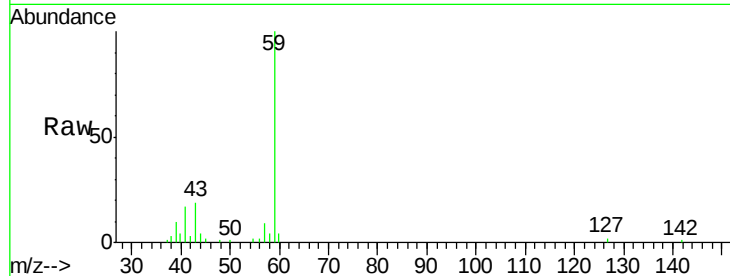
#11
Tert butyl alcohol
Concen: 285.093 ug/l
RT: 4.07 min Scan# 268
Delta R.T. -0.02 min
Lab File: VD063016.D
Acq: 3 Jul 2019 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 118862
Ion Ratio Lower Upper
59 100
57 9.2 6.6 10.0

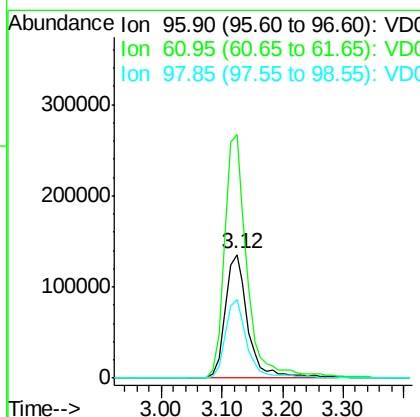
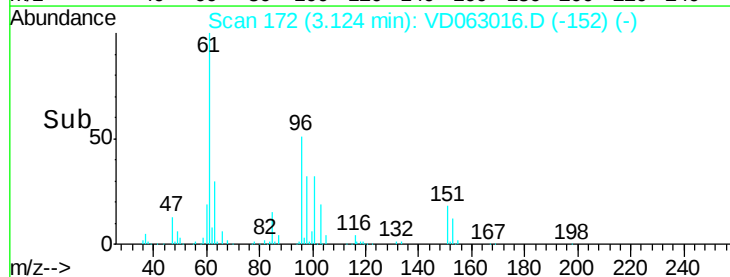
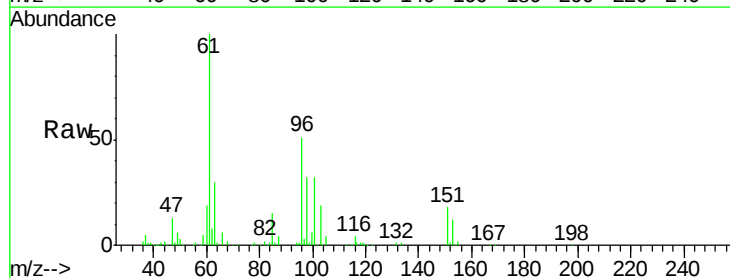
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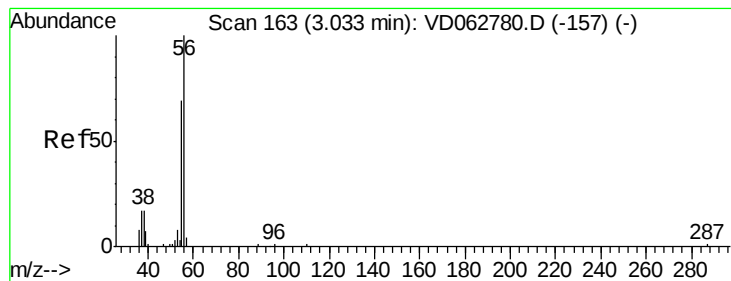
MMDadoda
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#12
1,1-Dichloroethene
Concen: 52.353 ug/l
RT: 3.12 min Scan# 172
Delta R.T. -0.01 min
Lab File: VD063016.D
Acq: 3 Jul 2019 10:43

Tgt Ion: 96 Resp: 349908
Ion Ratio Lower Upper
96 100
61 197.1 147.1 220.7
98 63.1 52.6 79.0





#13

Acrolein

Concen: 204.055 ug/l

RT: 3.03 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD063016.D

Acq: 3 Jul 2019 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 86852

Ion Ratio Lower Upper

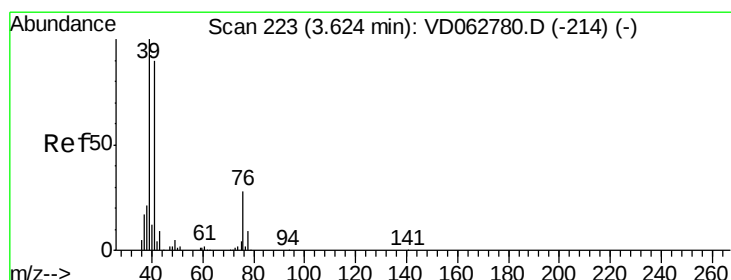
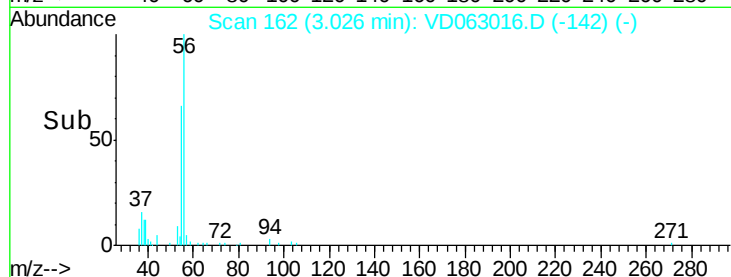
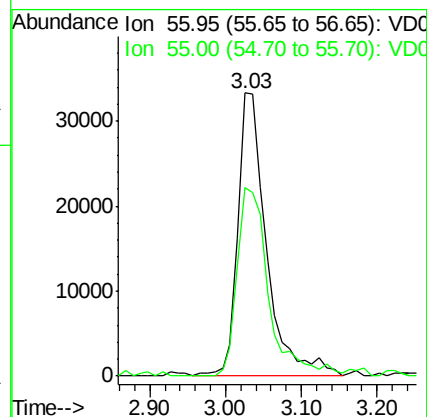
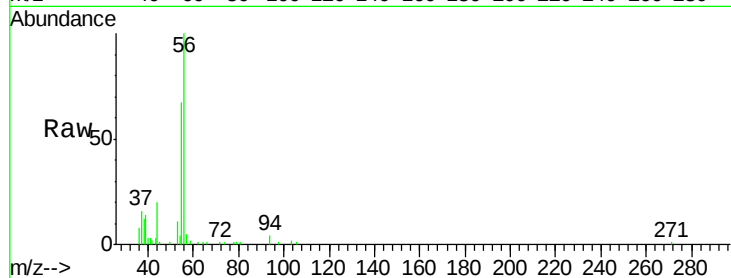
56 100

55 66.7 55.4 83.0

Manual Integrations
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#14

Allyl chloride

Concen: 55.061 ug/l

RT: 3.62 min Scan# 222

Delta R.T. -0.01 min

Lab File: VD063016.D

Acq: 3 Jul 2019 10:43

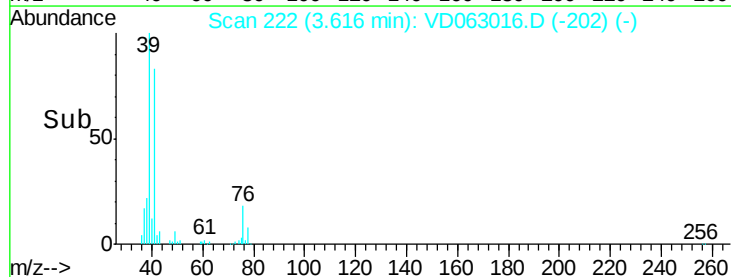
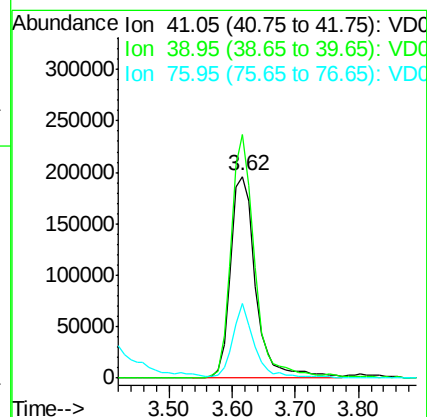
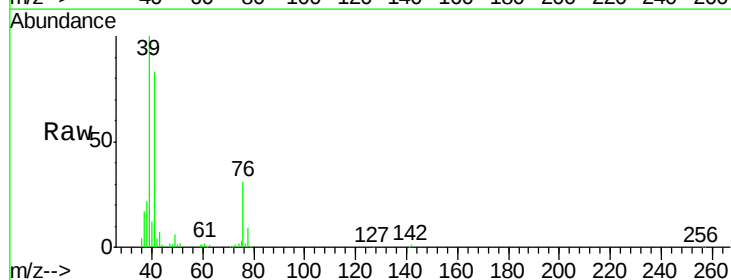
Tgt Ion: 41 Resp: 543771

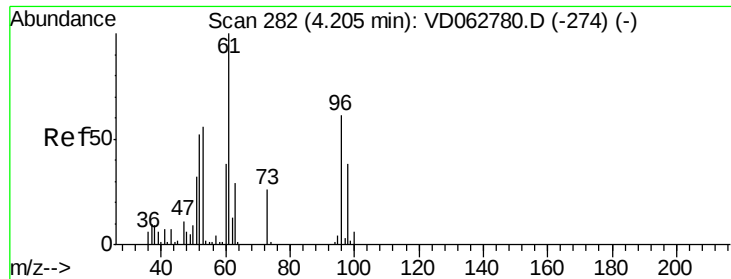
Ion Ratio Lower Upper

41 100

39 120.9 88.8 133.2

76 37.1 26.7 40.1





#15

Acrylonitrile

Concen: 278.617 ug/l

RT: 4.20 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD063016.D

Acq: 3 Jul 2019 10:43

Instrument :

MSVOA_D

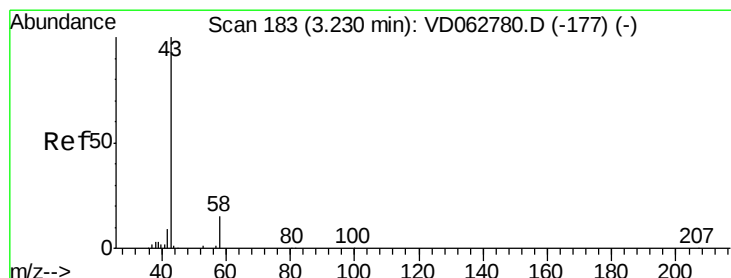
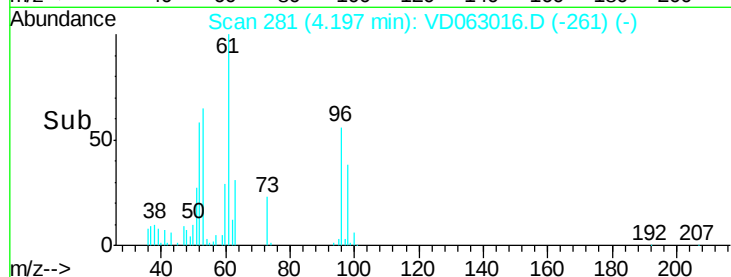
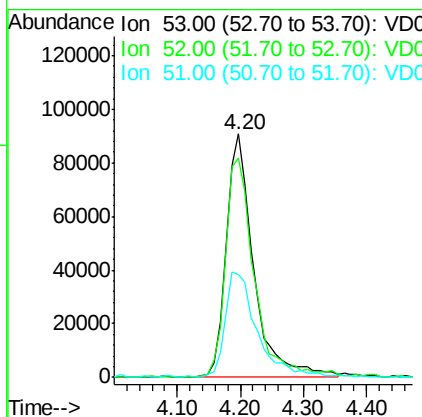
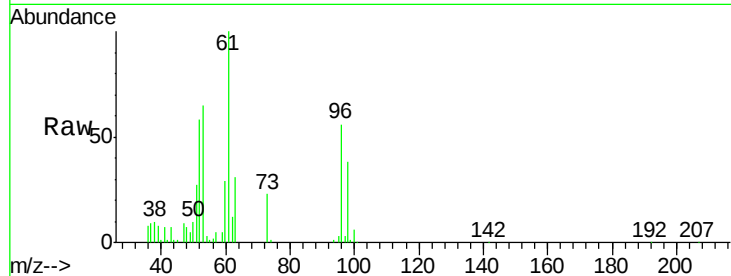
ClientSampleId :

VSTDCCC050

Tot Ion	53	Resp	272949
Ion	Ratio	Lower	Upper
53	100		
52	89.9	73.3	109.9
51	42.2	44.8	67.2#

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#16

Acetone

Concen: 276.842 ug/l

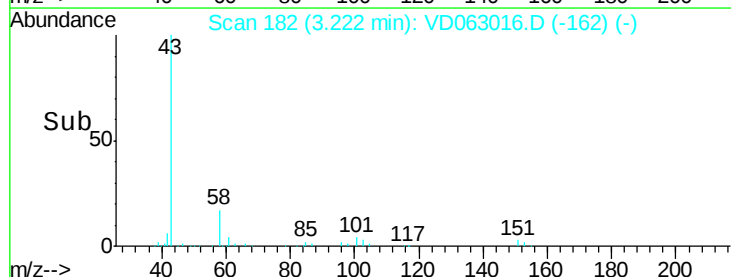
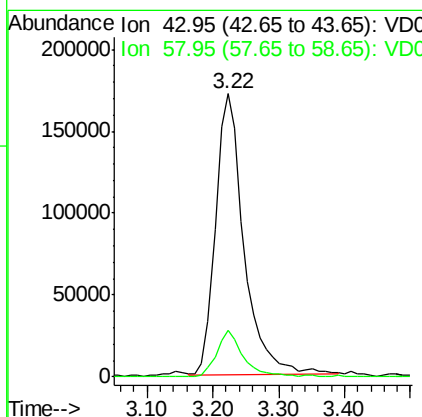
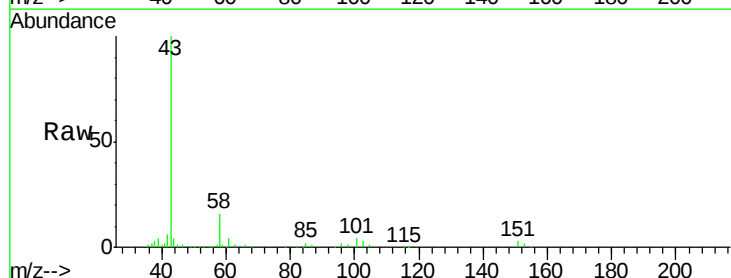
RT: 3.22 min Scan# 182

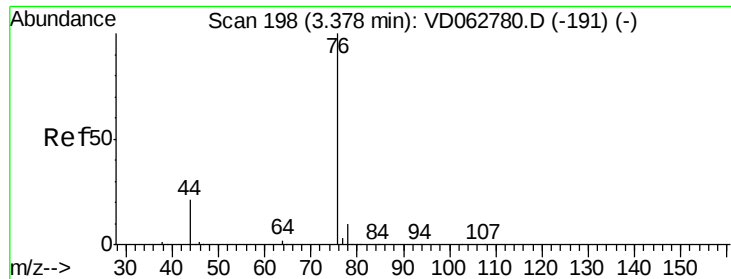
Delta R.T. -0.01 min

Lab File: VD063016.D

Acq: 3 Jul 2019 10:43

Tgt Ion	43	Resp	512532
Ion	Ratio	Lower	Upper
43	100		
58	16.4	11.9	17.9





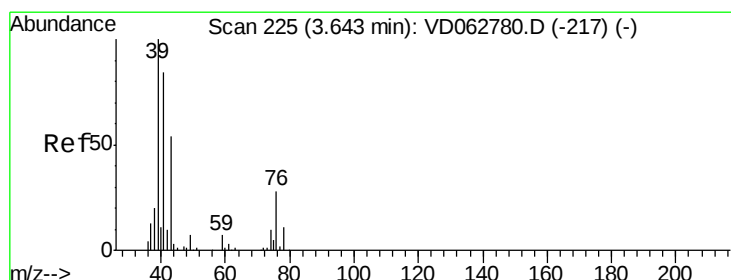
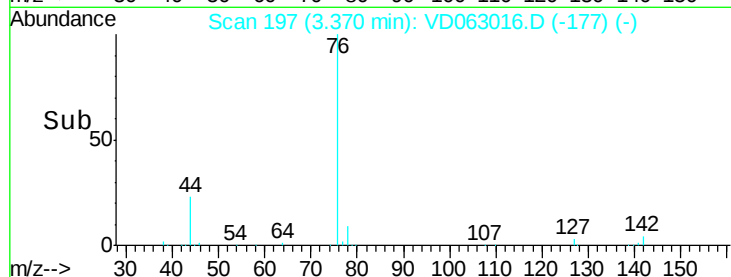
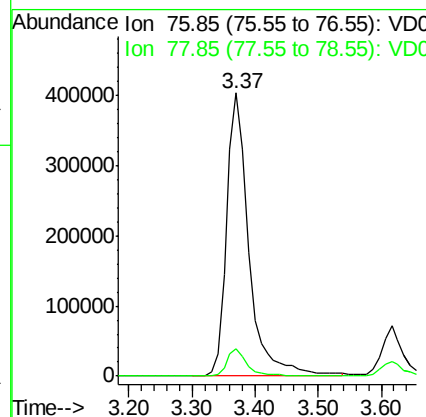
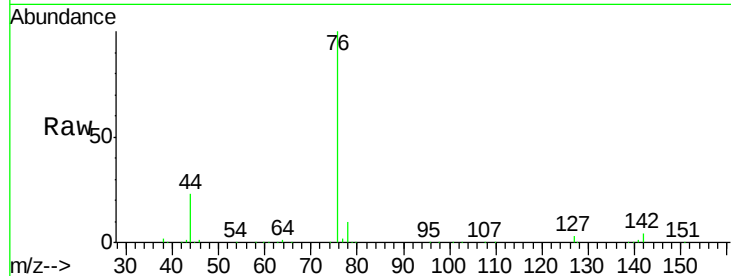
#17
Carbon Disulfide
Concen: 46.628 ug/l
RT: 3.37 min Scan# 197
Delta R.T. -0.01 min
Lab File: VD063016.D
Acq: 3 Jul 2019 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	8.0	12.0

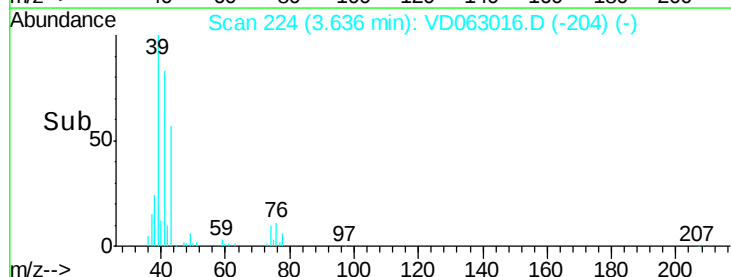
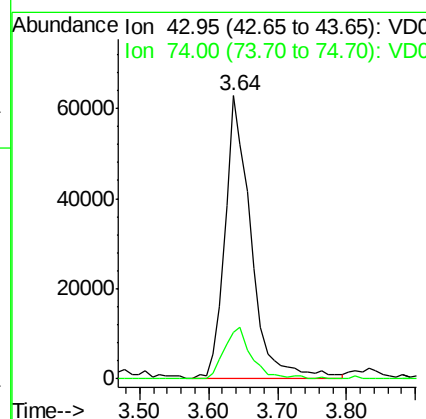
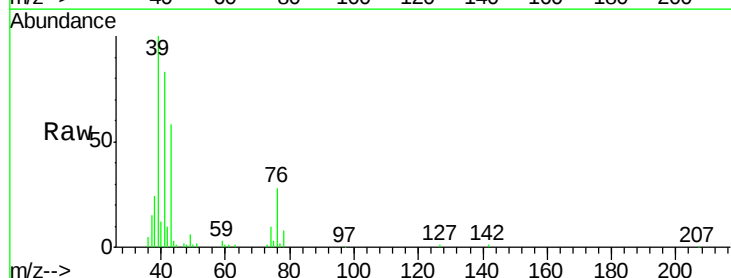
Manual Integrations
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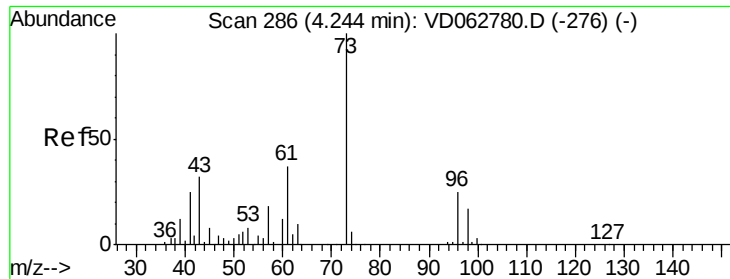
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#18
Methyl Acetate
Concen: 60.019 ug/l
RT: 3.64 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD063016.D
Acq: 3 Jul 2019 10:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.6	15.2	22.8





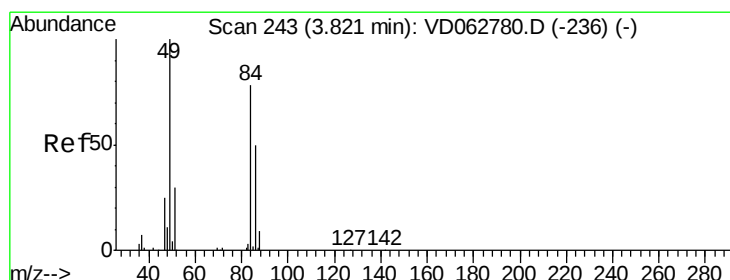
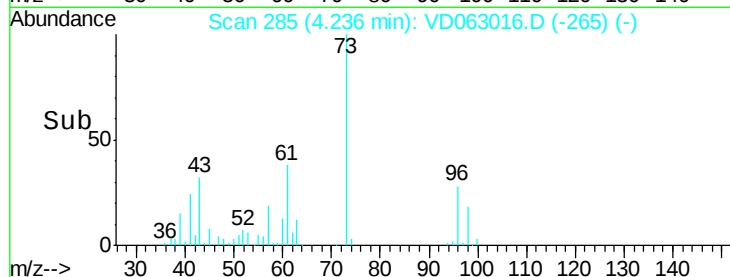
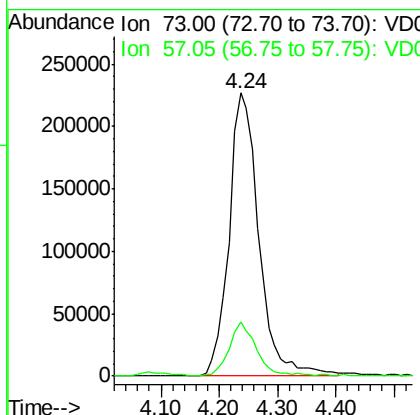
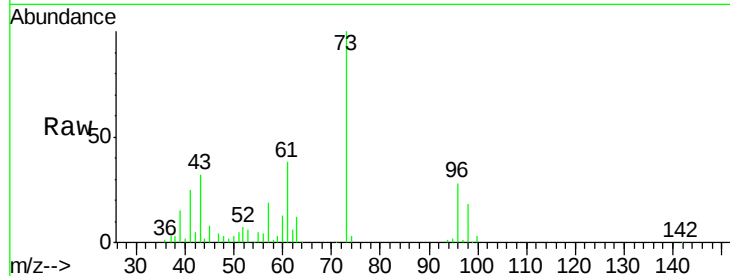
#19
Methvl tert-butvl Ether
Concen: 55.853 ug/l
RT: 4.24 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD063016.D
Acq: 3 Jul 2019 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 808138
Ion Ratio Lower Upper
73 100
57 19.4 14.3 21.5

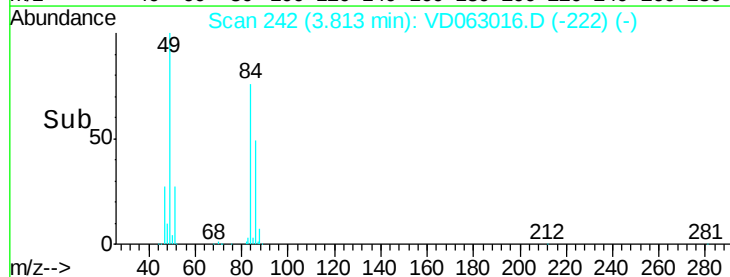
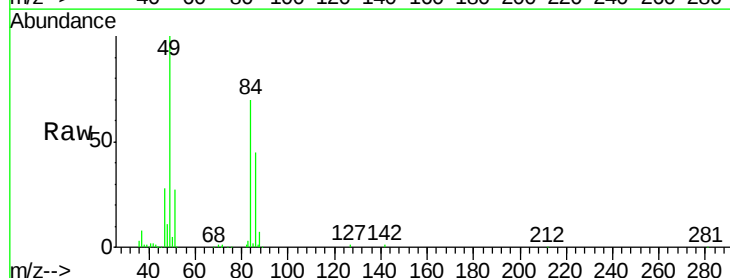
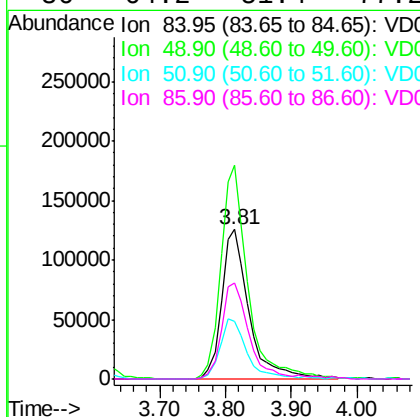
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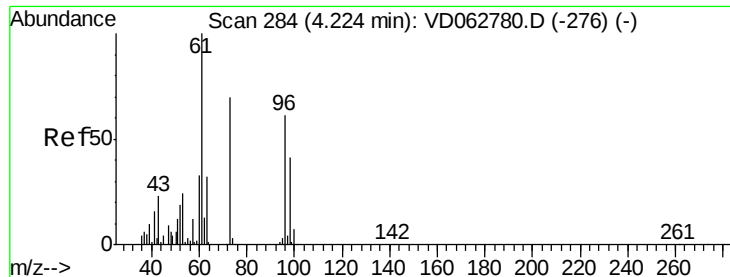
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#20
Methylene Chloride
Concen: 52.031 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD063016.D
Acq: 3 Jul 2019 10:43

Tgt Ion: 84 Resp: 363250
Ion Ratio Lower Upper
84 100
49 142.7 102.9 154.3
51 38.7 31.2 46.8
86 64.2 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 51.349 ug/l

RT: 4.22 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD063016.D

Acq: 3 Jul 2019 10:43

Instrument :

MSVOA_D

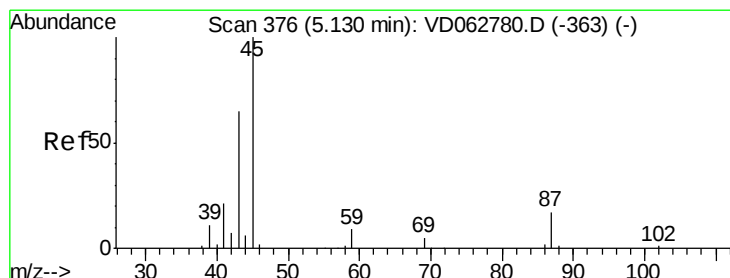
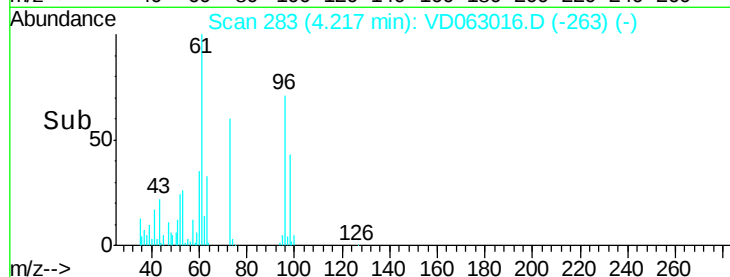
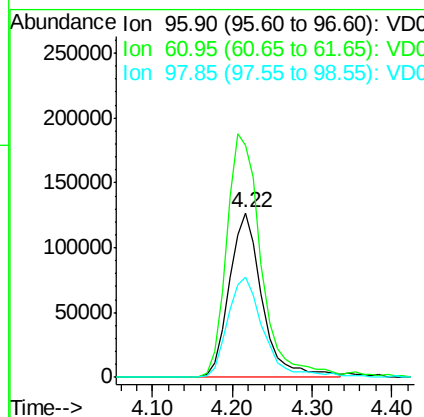
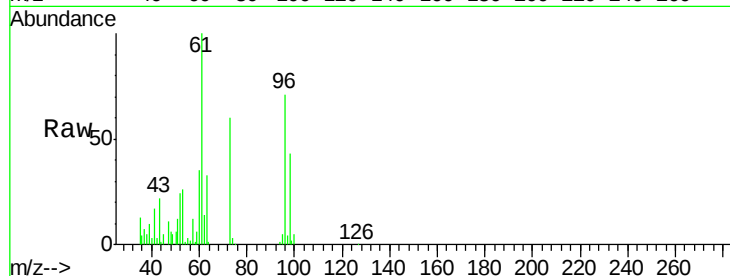
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	365434
Ion	Ratio	Lower	Upper
96	100		
61	141.6	131.0	196.4
98	61.4	53.2	79.8

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#22

Diisopropyl ether

Concen: 58.217 ug/l

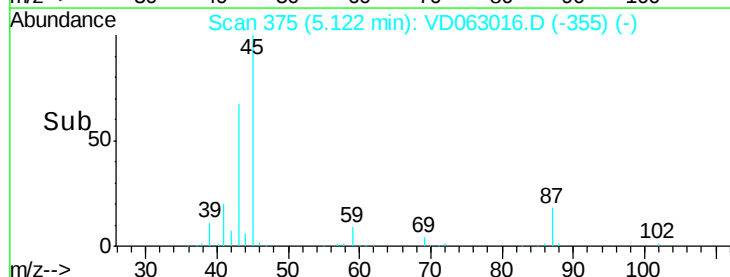
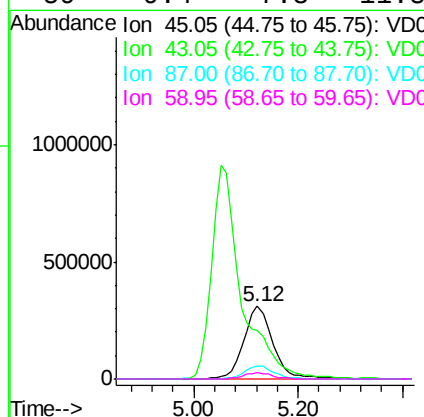
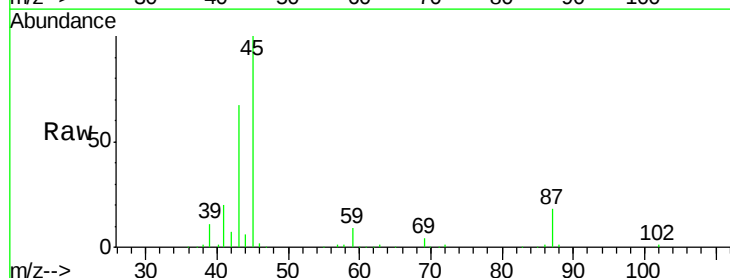
RT: 5.12 min Scan# 375

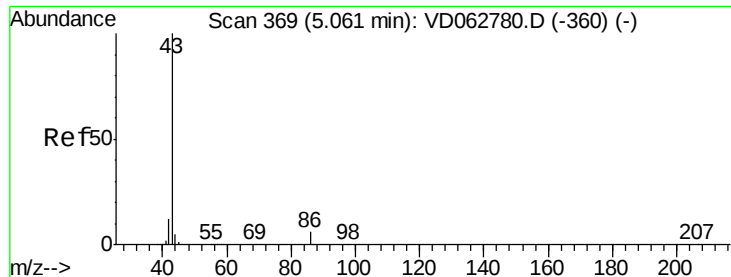
Delta R.T. -0.01 min

Lab File: VD063016.D

Acq: 3 Jul 2019 10:43

Tgt Ion:	45	Resp:	1169226
Ion	Ratio	Lower	Upper
45	100		
43	66.8	53.4	80.0
87	18.0	14.6	22.0
59	9.4	7.8	11.8





#23

Vinyl Acetate

Concen: 284.377 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD063016.D

Acq: 3 Jul 2019 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3573900

Ion Ratio Lower Upper

43 100

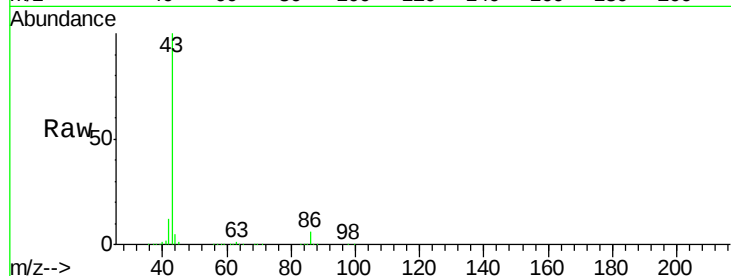
86 6.2 4.7 7.1

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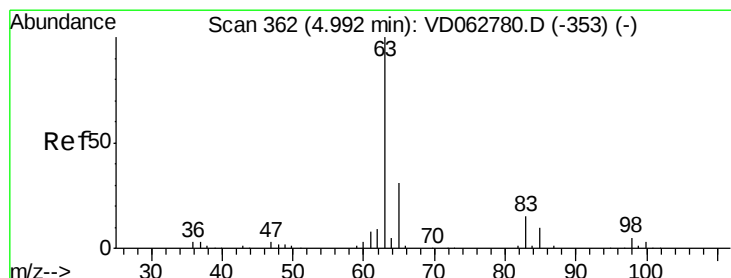
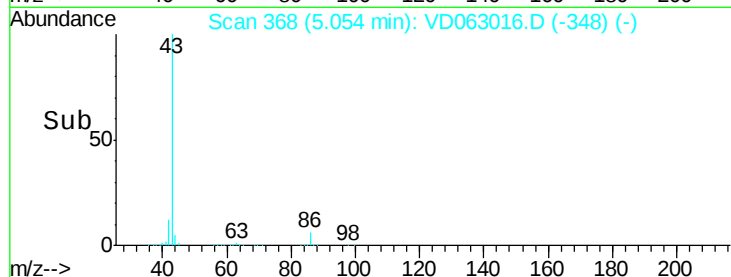
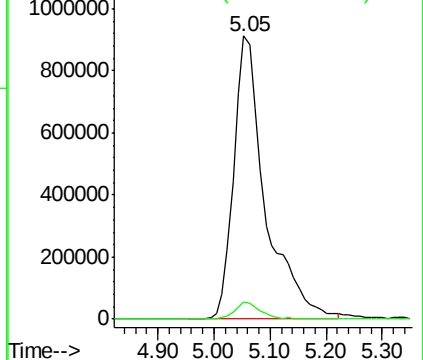
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 54.498 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD063016.D

Acq: 3 Jul 2019 10:43

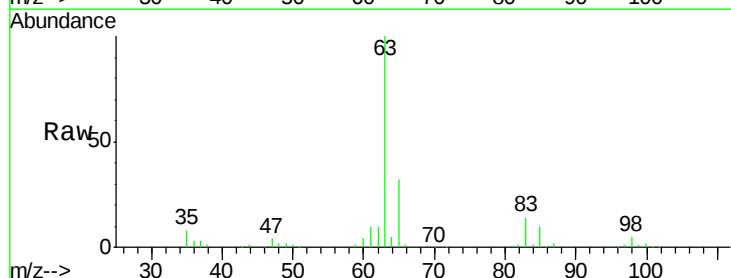
Tgt Ion: 63 Resp: 712637

Ion Ratio Lower Upper

63 100

98 4.5 2.3 6.9

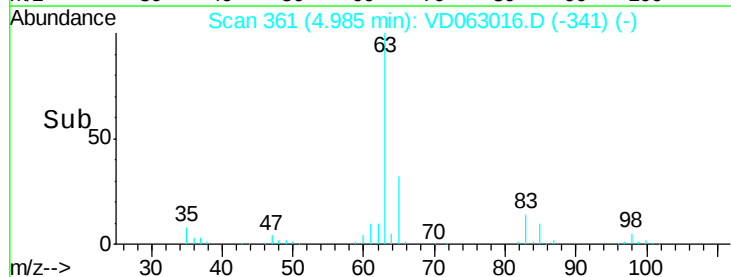
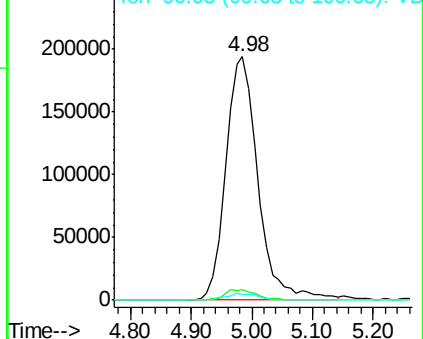
100 2.5 1.7 5.1

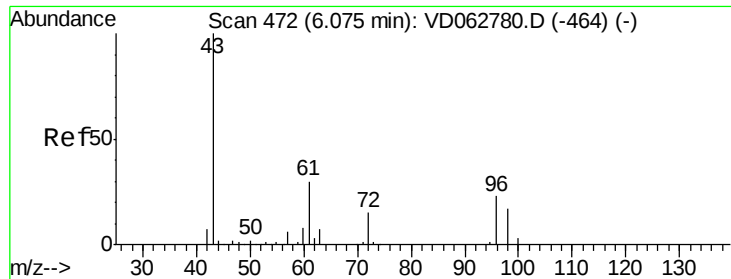


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 303.001 ug/l

RT: 6.08 min Scan# 472

Delta R.T. 0.00 min

Lab File: VD063016.D

Acq: 3 Jul 2019 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 518771

Ion Ratio Lower Upper

43 100

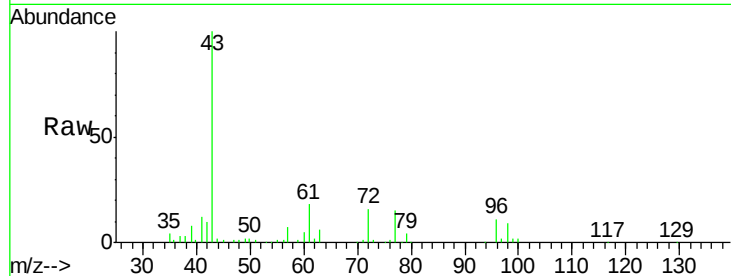
72 15.5 11.9 17.9

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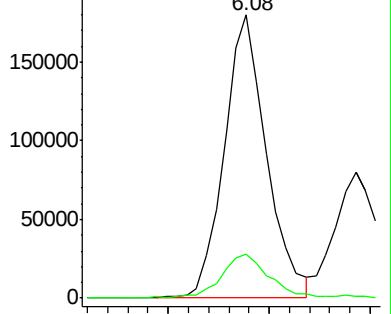
MMDadoda

7/9/2019 8:54:06 AM

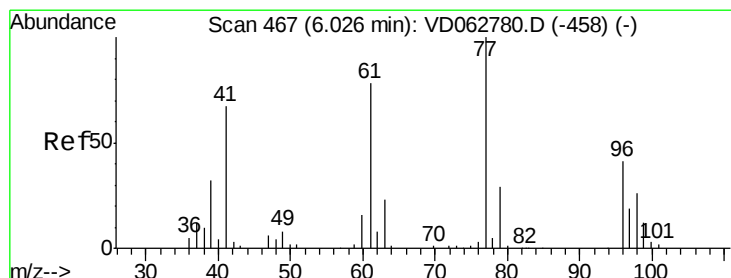
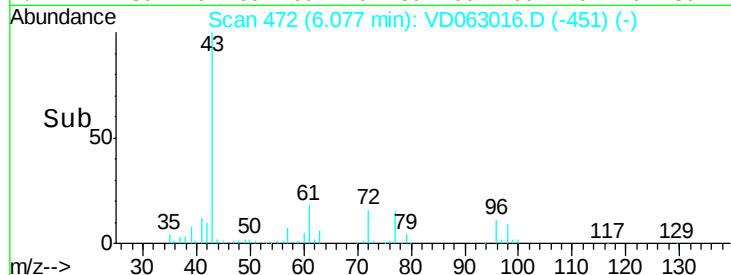


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 58.488 ug/l

RT: 6.02 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD063016.D

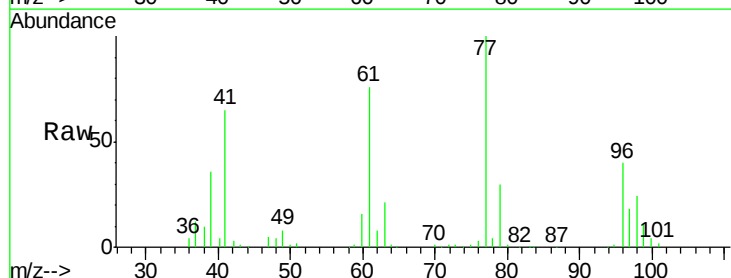
Acq: 3 Jul 2019 10:43

Tgt Ion: 77 Resp: 810656

Ion Ratio Lower Upper

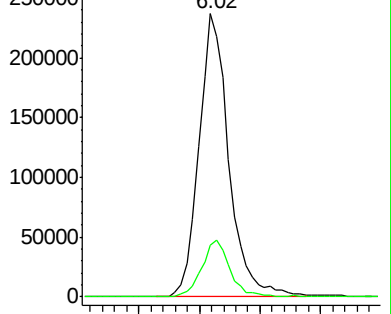
77 100

97 18.5 9.5 28.5

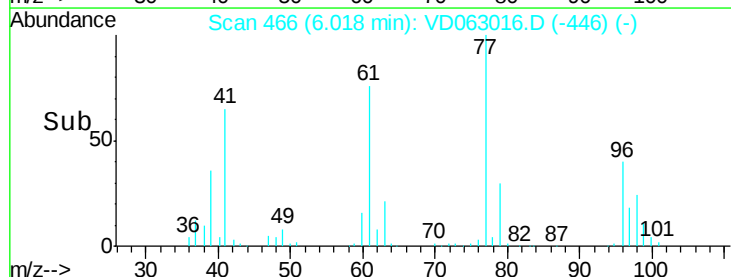


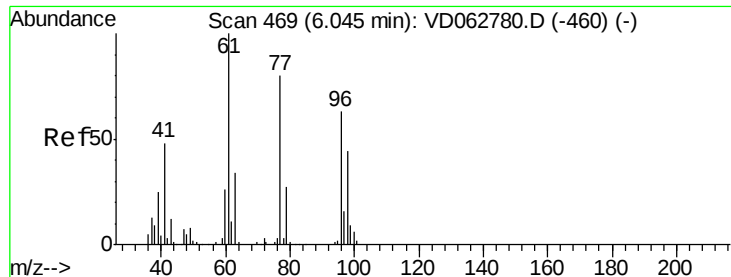
Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time-->





#27

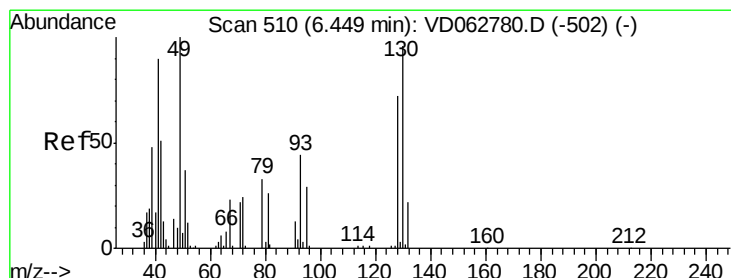
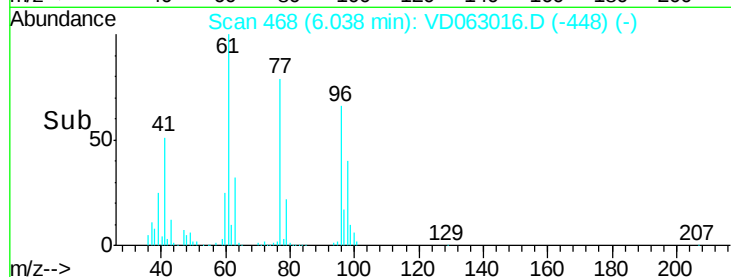
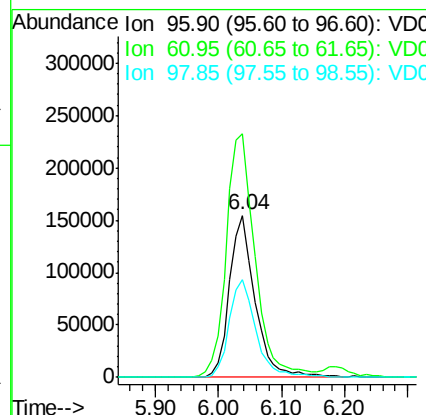
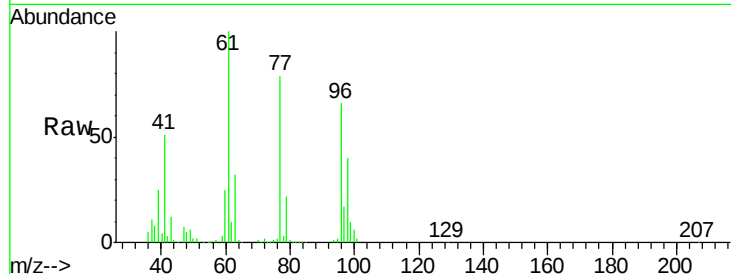
cis-1,2-Dichloroethene
Concen: 57.910 ug/l
RT: 6.04 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD063016.D
Acq: 3 Jul 2019 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	150.6	0.0	316.0	
98	60.7	0.0	138.4	

Manual Integrations
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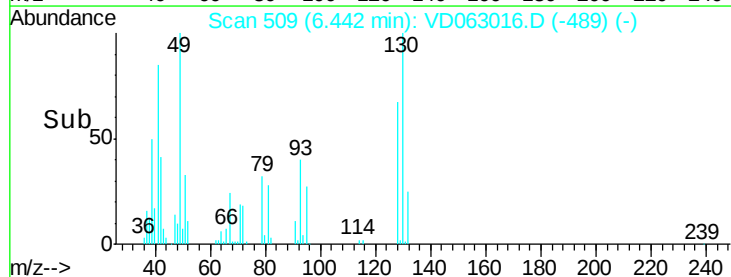
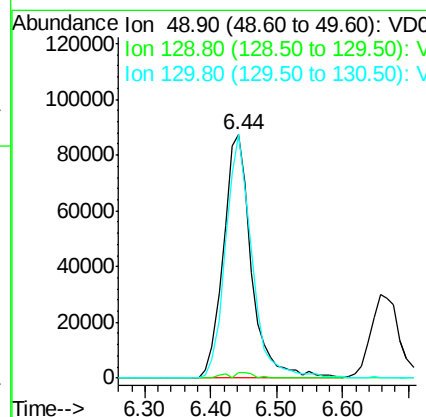
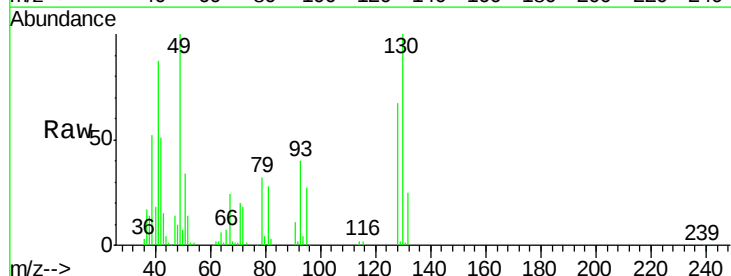
MMDadoda
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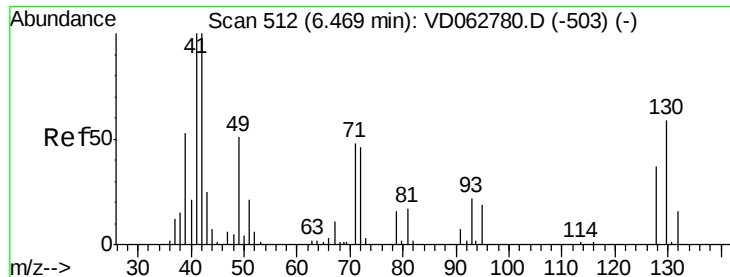


#28

Bromochloromethane
Concen: 56.205 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD063016.D
Acq: 3 Jul 2019 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.2	0.0	5.6	
130	100.0	76.6	114.8	





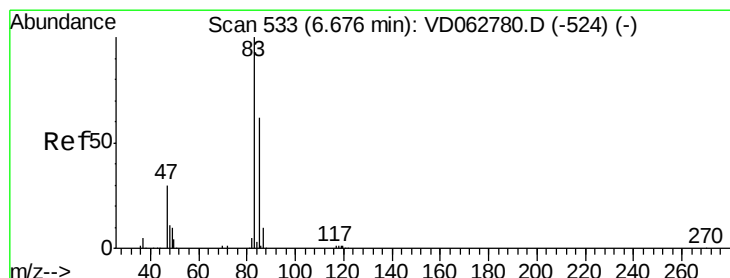
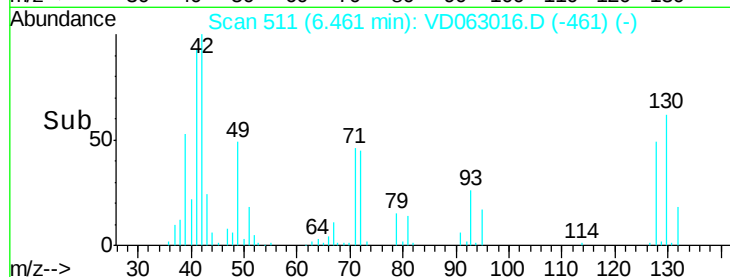
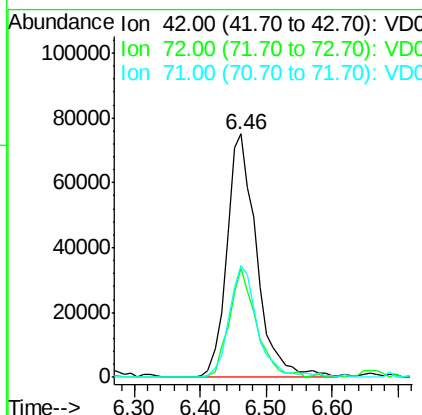
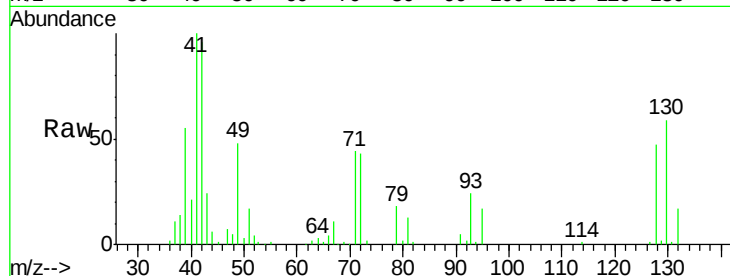
#29
Tetrahydrofuran
Concen: 293.178 ug/l
RT: 6.46 min Scan# 511
Delta R.T. -0.01 min
Lab File: VD063016.D
Acq: 3 Jul 2019 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	35.0	52.6
71	44.0	33.3	49.9

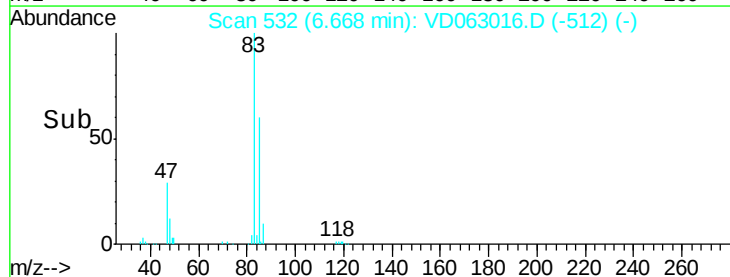
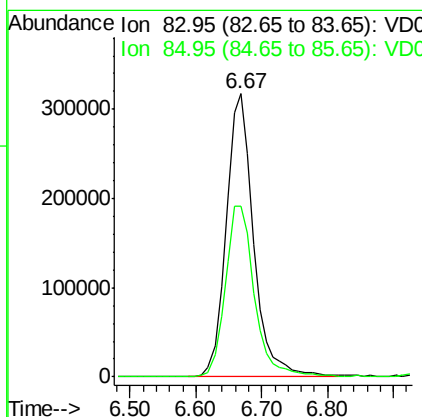
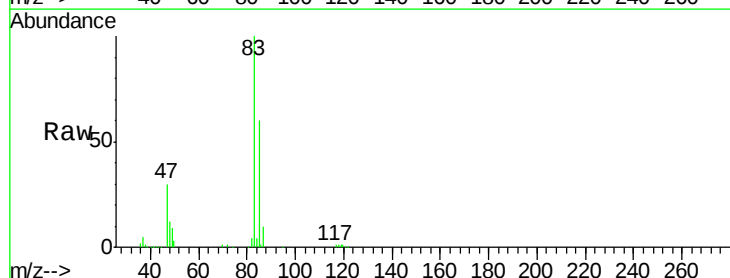
Manual Integrations
APPROVED

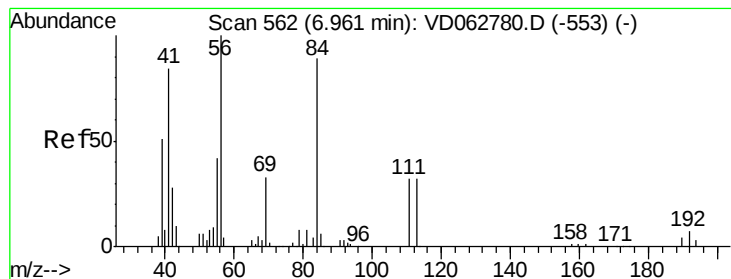
MMDadoda
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#30
Chloroform
Concen: 58.149 ug/l
RT: 6.67 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD063016.D
Acq: 3 Jul 2019 10:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.4	49.8	74.6





#31

Cyclohexane

Concen: 52.646 ug/l

RT: 6.95 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD063016.D

Acq: 3 Jul 2019 10:43

Instrument :

MSVOA_D

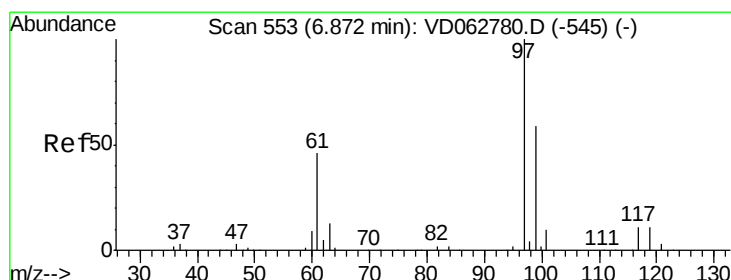
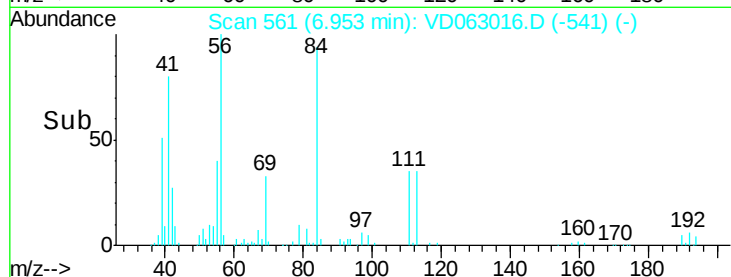
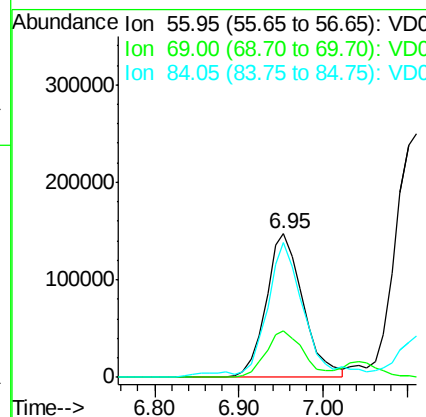
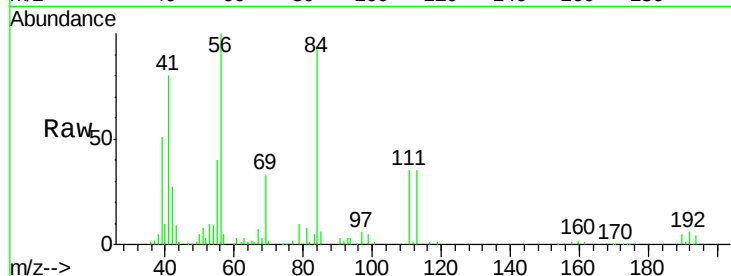
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	452566
Ion	Ratio	Lower	Upper
56	100		
69	32.8	26.6	39.8
84	94.1	75.5	113.3

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 56.361 ug/l

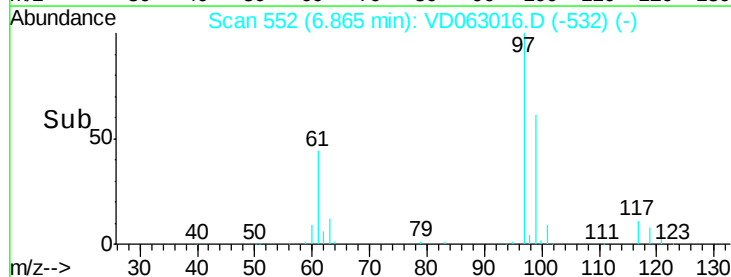
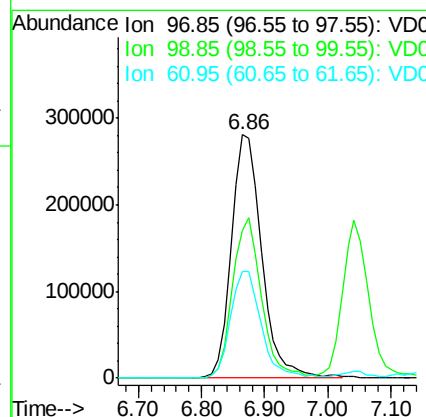
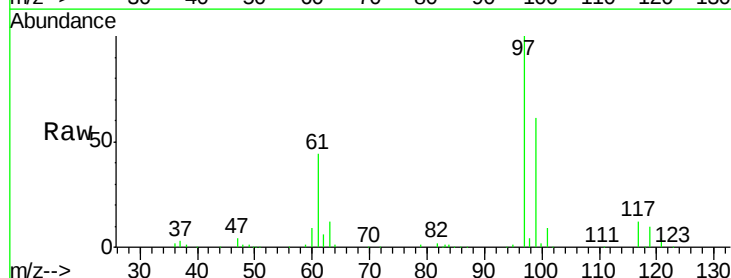
RT: 6.86 min Scan# 552

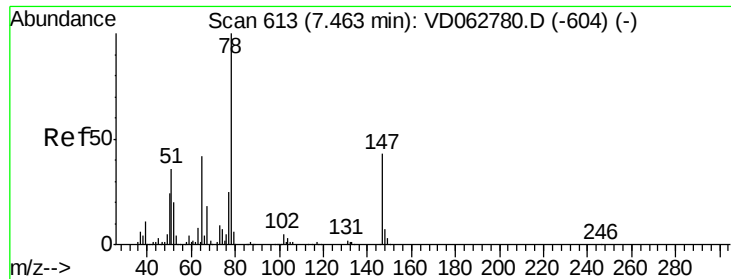
Delta R.T. -0.01 min

Lab File: VD063016.D

Acq: 3 Jul 2019 10:43

Tgt Ion:	97	Resp:	933561
Ion	Ratio	Lower	Upper
97	100		
99	60.6	47.4	71.2
61	43.6	37.2	55.8





#33

1,2-Dichloroethane-d4

Concen: 52.997 ug/l

RT: 7.46 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD063016.D

Acq: 3 Jul 2019 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 485146

Ion Ratio Lower Upper

65 100

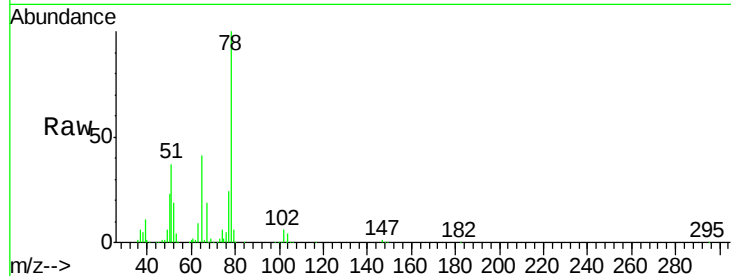
67 46.0 0.0 87.4

Manual Integrations

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

200000

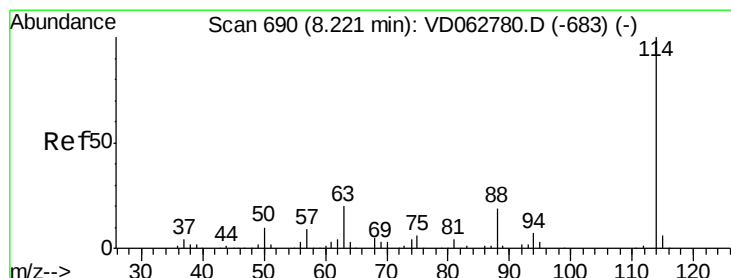
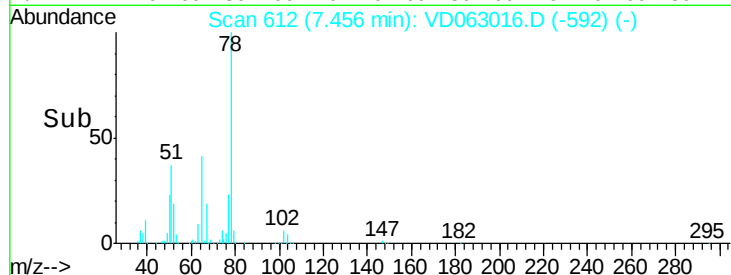
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD063016.D

Acq: 3 Jul 2019 10:43

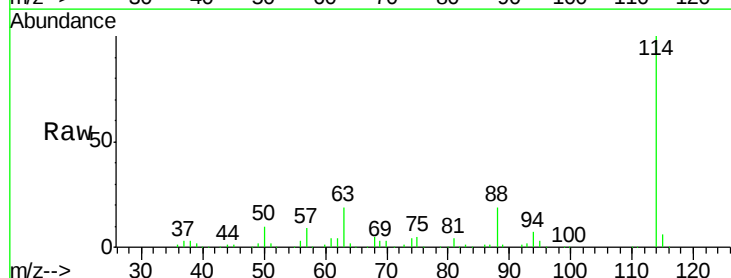
Tgt Ion: 114 Resp: 1142486

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.0

88 18.6 0.0 38.8



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

600000

500000

400000

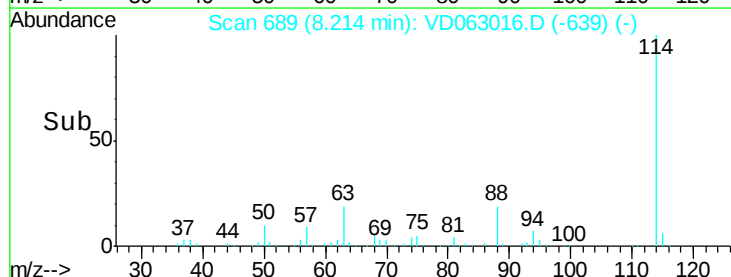
300000

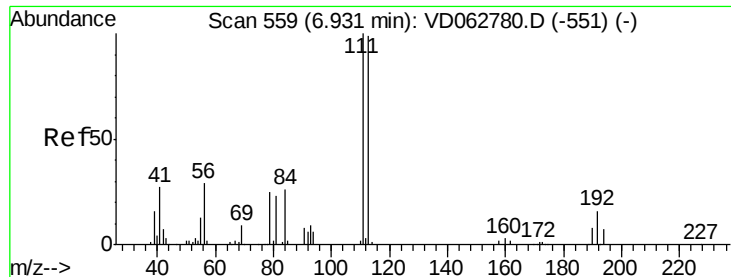
200000

100000

0

Time-->





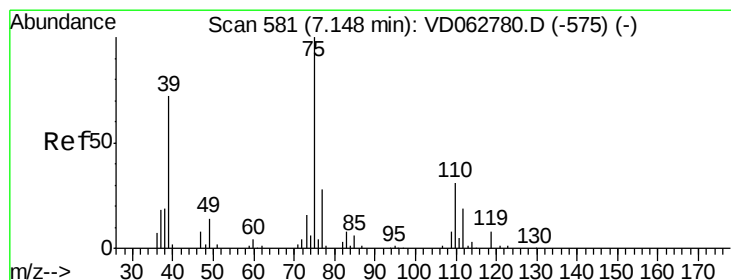
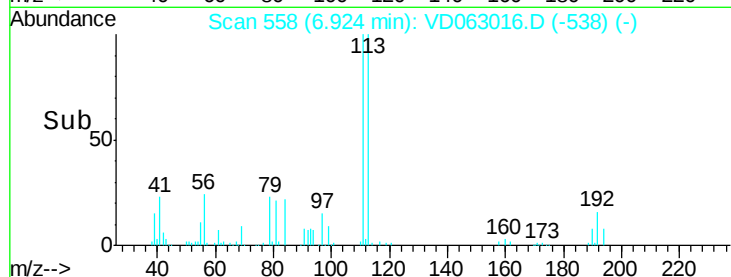
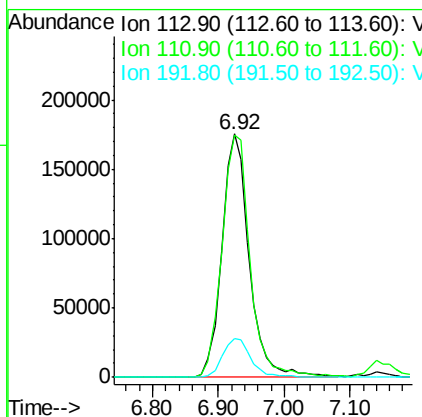
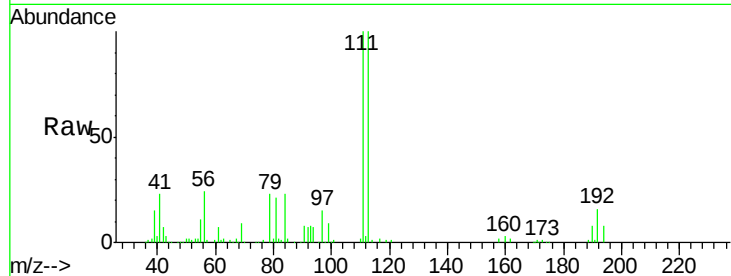
#35
 Dibromofluoromethane
 Concen: 52.623 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD063016.D
 Acq: 3 Jul 2019 10:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	506943		
111	99.7	81.2	121.8	
192	15.7	12.9	19.3	

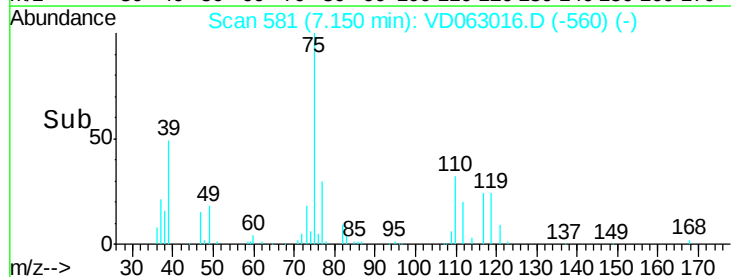
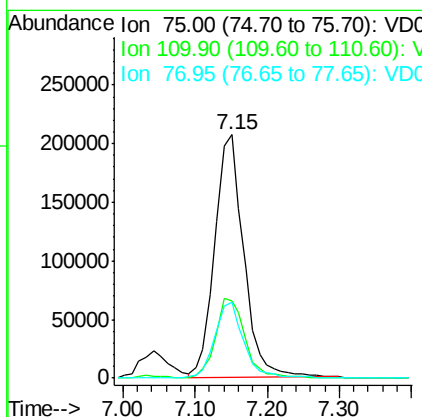
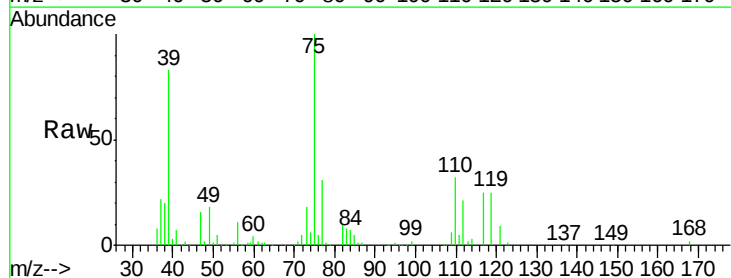
Manual Integrations
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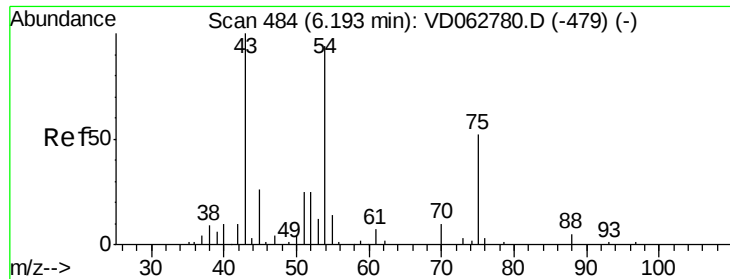
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 7/9/2019 8:54:06 AM



#36
 1,1-Dichloropropene
 Concen: 53.220 ug/l
 RT: 7.15 min Scan# 581
 Delta R.T. 0.00 min
 Lab File: VD063016.D
 Acq: 3 Jul 2019 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	575584		
110	32.0	15.0	45.1	
77	31.2	22.2	33.2	





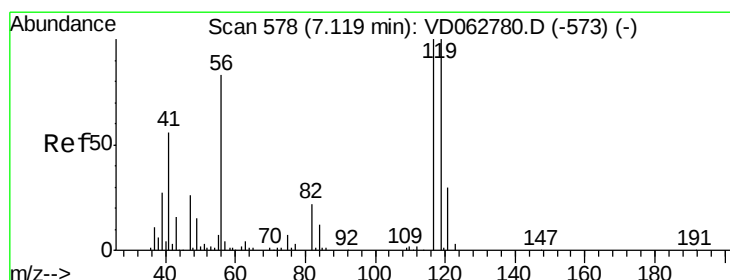
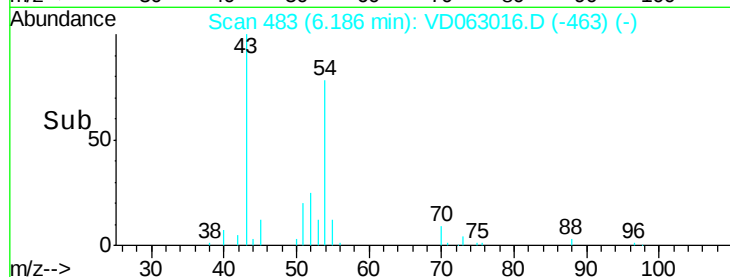
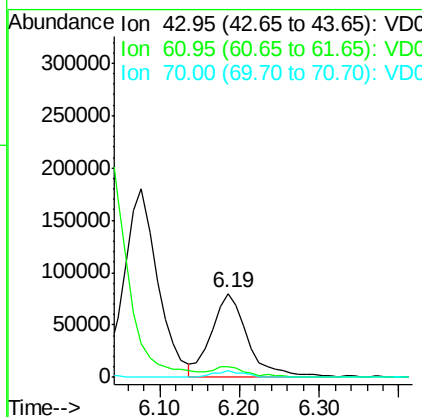
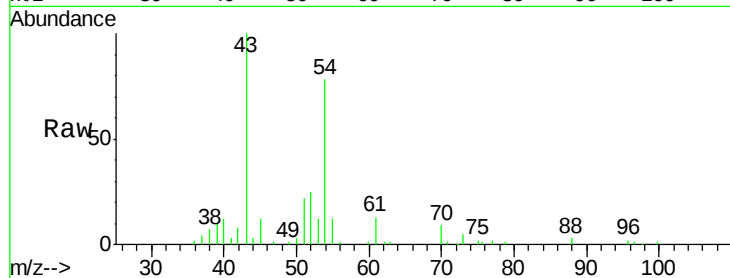
#37
Ethyl Acetate
Concen: 54.469 ug/l
RT: 6.19 min Scan# 483
Delta R.T. -0.01 min
Lab File: VD063016.D
Acq: 3 Jul 2019 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	11.6	17.4
70	8.7	6.4	9.6

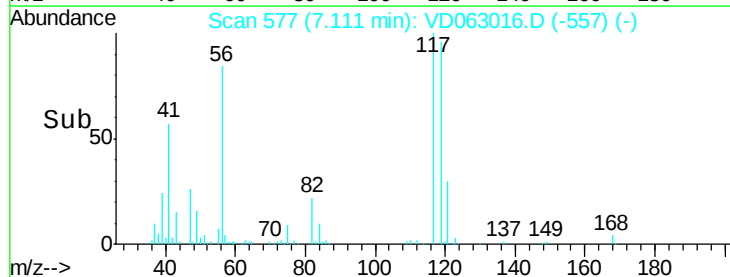
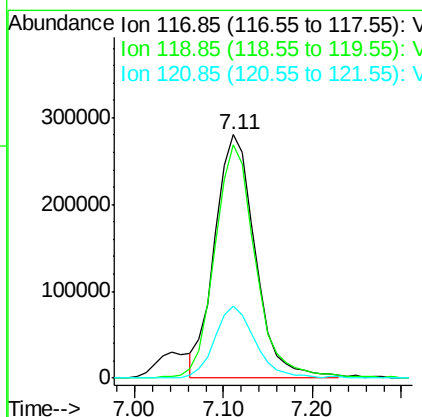
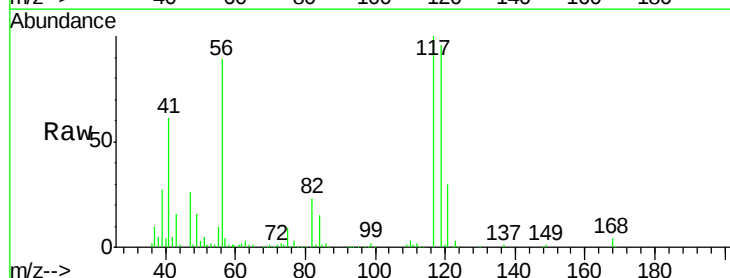
Manual Integrations
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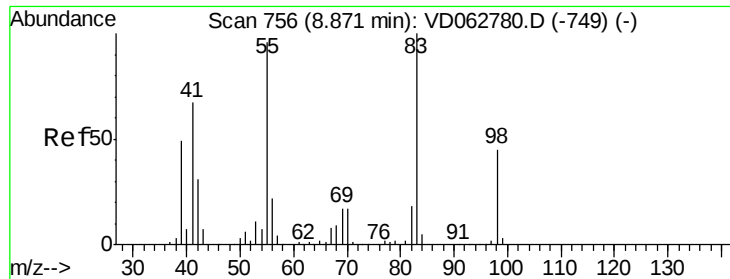
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#38
Carbon Tetrachloride
Concen: 54.534 ug/l m
RT: 7.11 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD063016.D
Acq: 3 Jul 2019 10:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	75.4	113.2
121	29.8	22.3	33.5





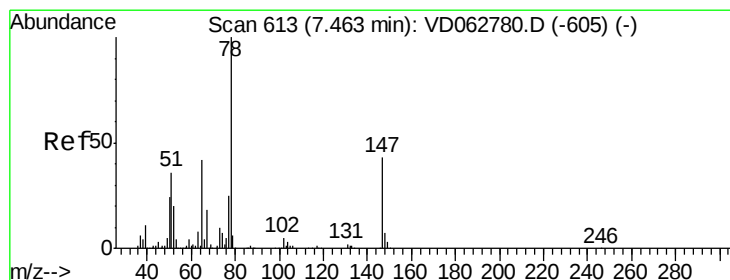
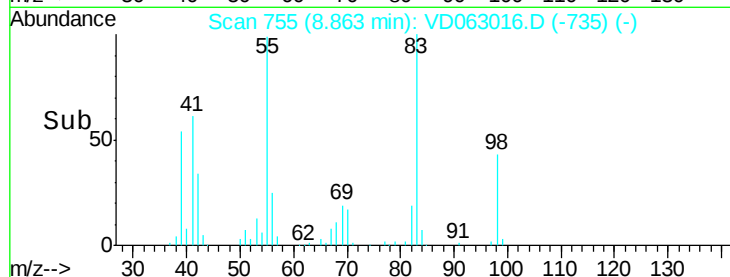
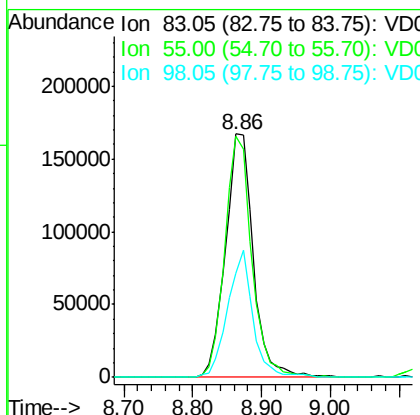
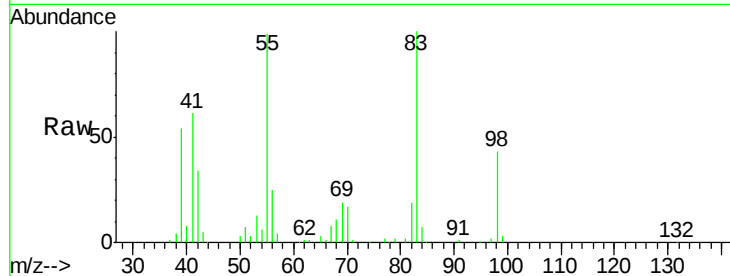
#39
Methvlcvclohexane
Concen: 49.017 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.01 min
Lab File: VD063016.D
Acq: 3 Jul 2019 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	466639
Ion	Ratio	Lower	Upper
83	100		
55	98.9	76.6	115.0
98	42.8	35.7	53.5

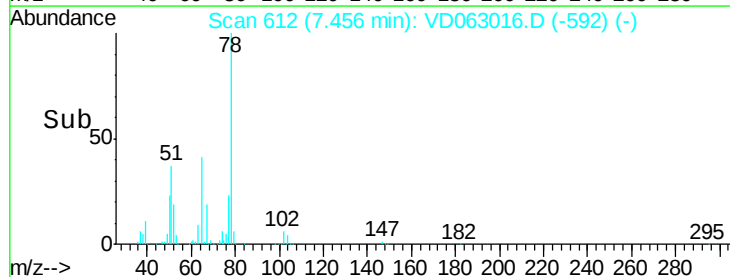
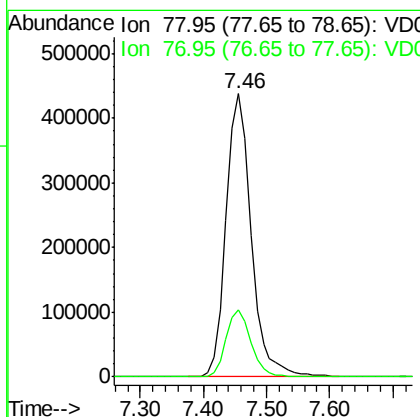
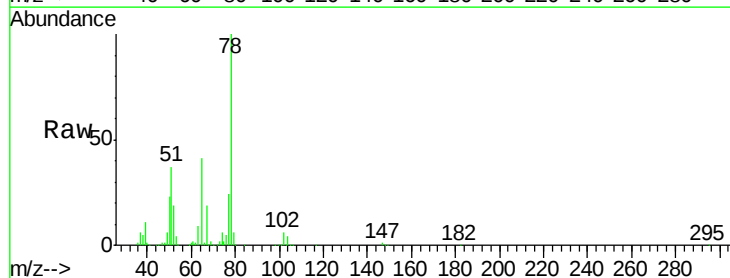
Manual Integrations
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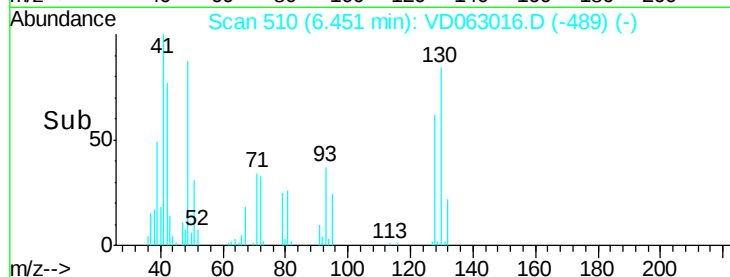
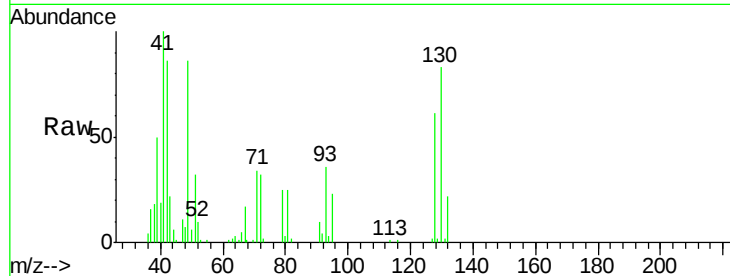
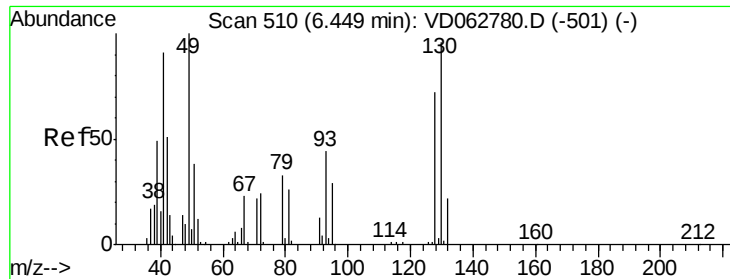
MMDadoda
7/9/2019 8:54:06 AM



#40
Benzene
Concen: 55.804 ug/l
RT: 7.46 min Scan# 612
Delta R.T. -0.01 min
Lab File: VD063016.D
Acq: 3 Jul 2019 10:43

Tgt Ion	78	Resp	1211485
Ion	Ratio	Lower	Upper
78	100		
77	23.5	20.2	30.2





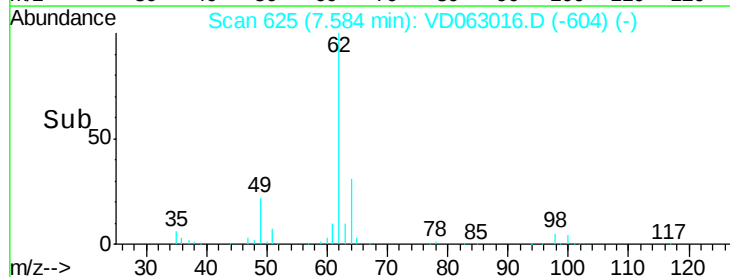
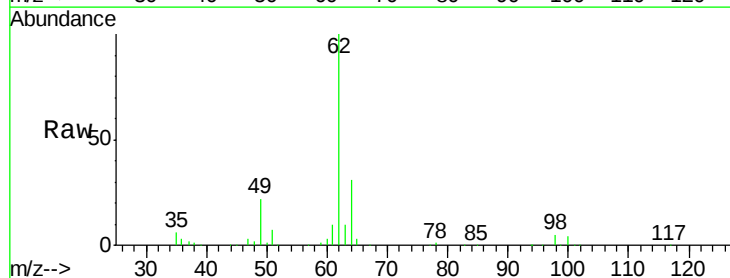
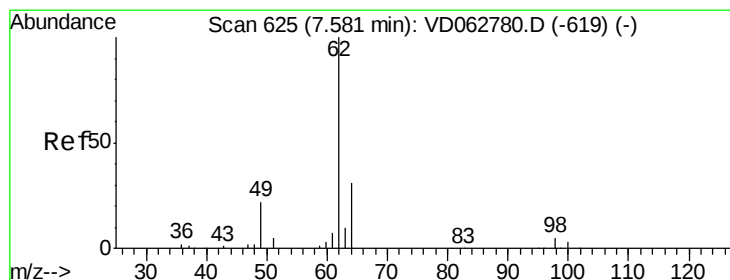
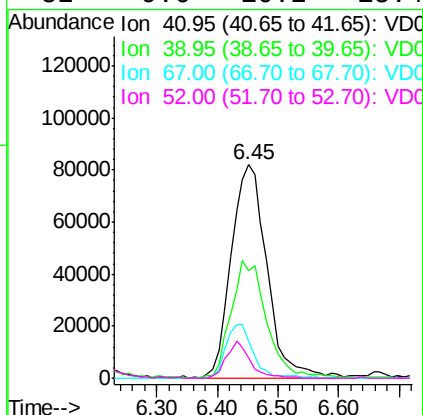
#41
Methacrylonitrile
Concen: 58.996 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD063016.D
Acq: 3 Jul 2019 10:43

Tot Ion	Ratio	Lower	Upper
41	100		
39	50.4	43.2	64.8
67	17.5	19.9	29.9
52	9.6	10.2	15.4

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

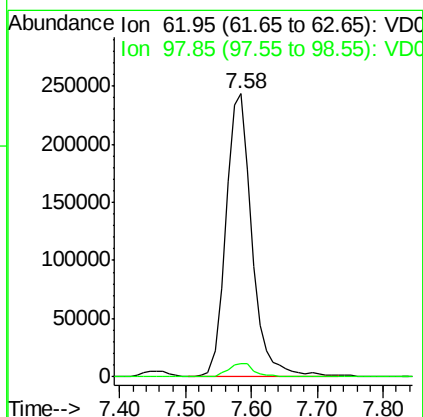
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 56.516 ug/l
RT: 7.58 min Scan# 625
Delta R.T. 0.00 min
Lab File: VD063016.D
Acq: 3 Jul 2019 10:43

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.9	0.0	10.0





#43

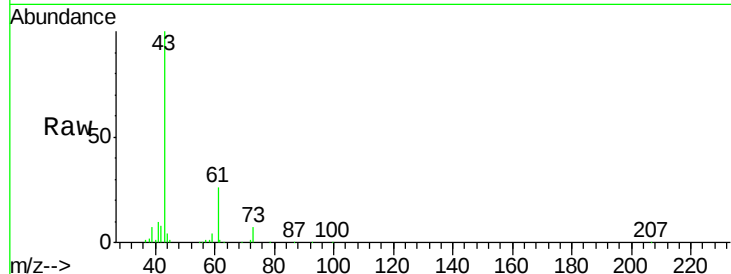
Isopropyl Acetate
 Concen: 57.122 ug/l
 RT: 9.25 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VD063016.D
 Acq: 3 Jul 2019 10:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

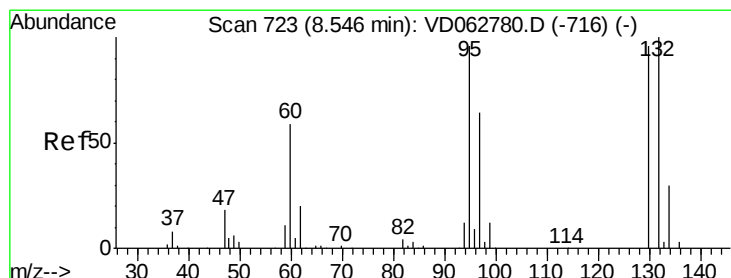
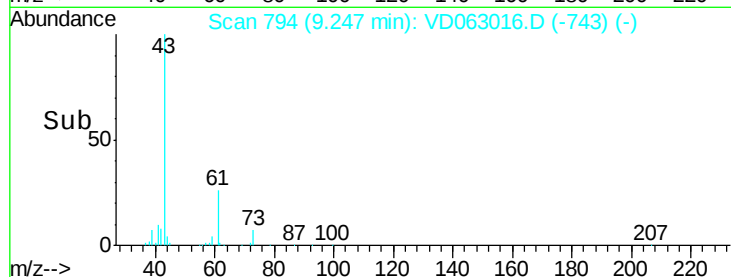
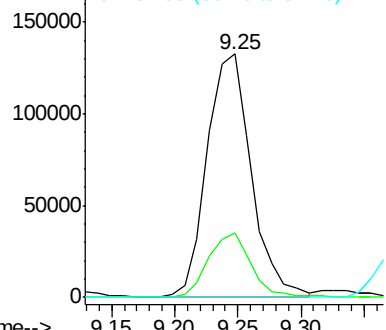
Tot Ion	Ratio	Lower	Upper
43	100		
61	26.3	22.4	33.6
87	0.4	0.3	0.5

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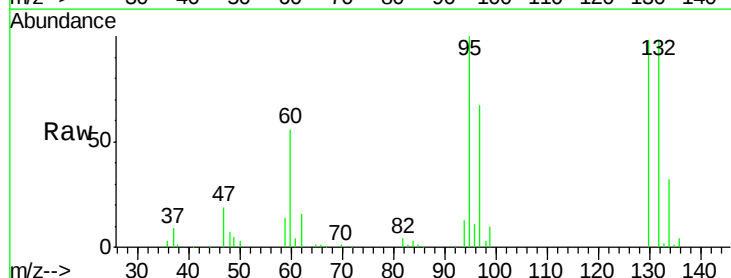
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



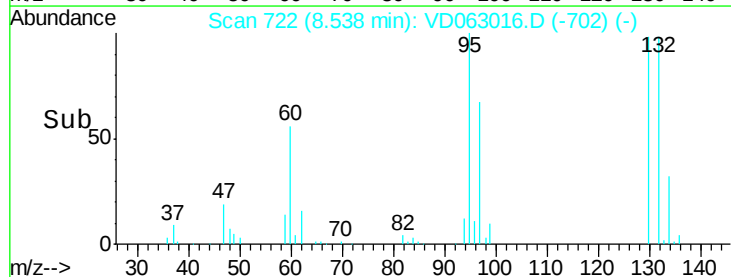
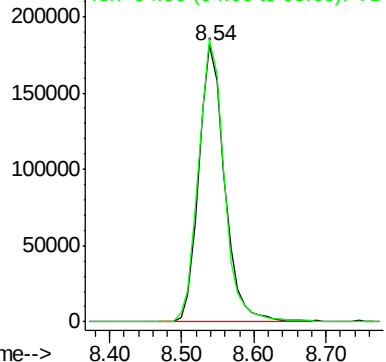
#44

Trichloroethene
 Concen: 53.009 ug/l
 RT: 8.54 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: VD063016.D
 Acq: 3 Jul 2019 10:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	201.6



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 51.661 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.02 min

Lab File: VD063016.D

Acq: 3 Jul 2019 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 278879

Ion Ratio Lower Upper

63 100

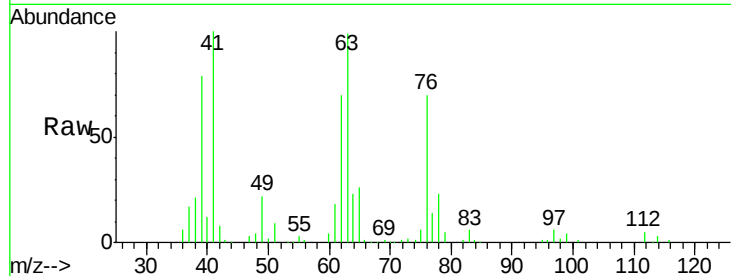
65 26.4 24.2 36.2

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.93

120000

100000

80000

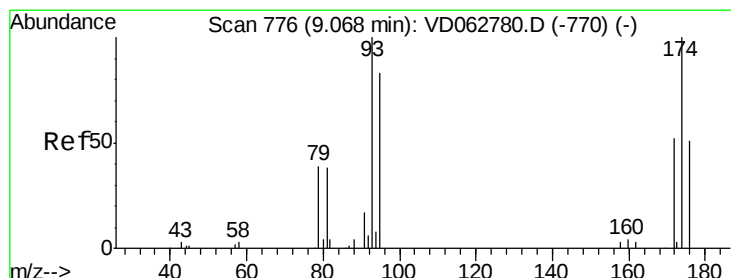
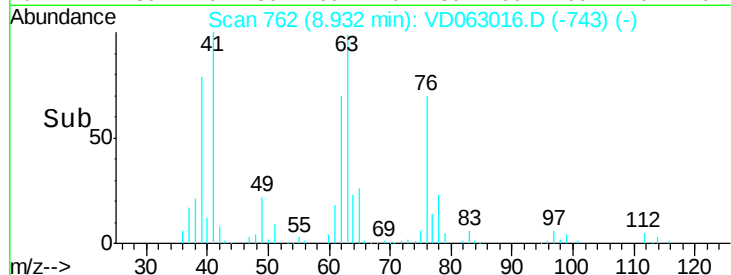
60000

40000

20000

0

Time--> 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 57.608 ug/l

RT: 9.06 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD063016.D

Acq: 3 Jul 2019 10:43

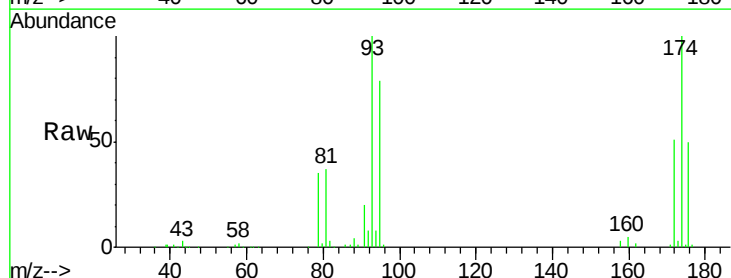
Tgt Ion: 93 Resp: 267138

Ion Ratio Lower Upper

93 100

95 79.4 66.6 100.0

174 99.6 79.7 119.5



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

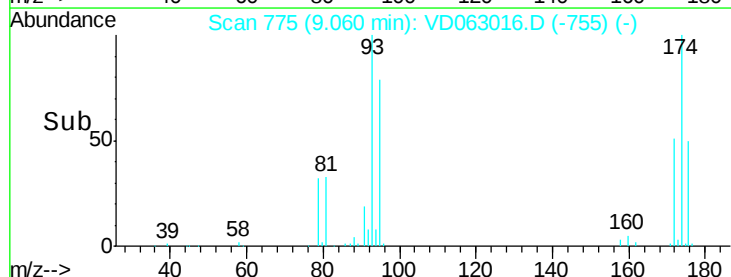
150000

100000

50000

0

Time--> 8.90 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 59.815 ug/l

RT: 9.38 min Scan# 807

Delta R.T. -0.01 min

Lab File: VD063016.D

Acq: 3 Jul 2019 10:43

Instrument :

MSVOA_D

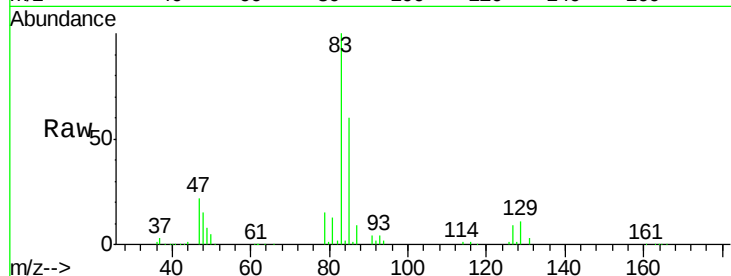
ClientSampleId :

VSTDCCC050

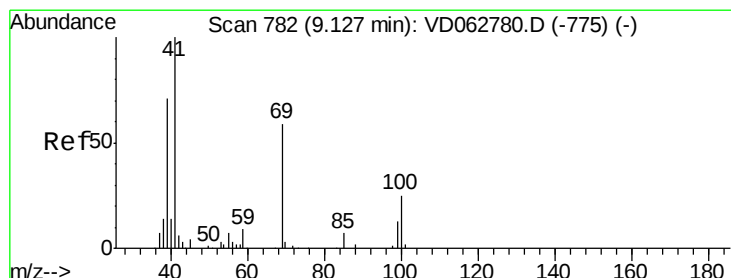
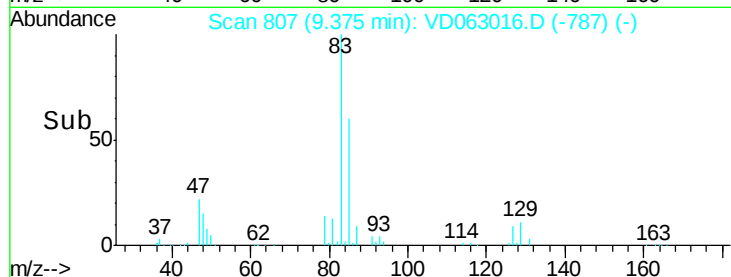
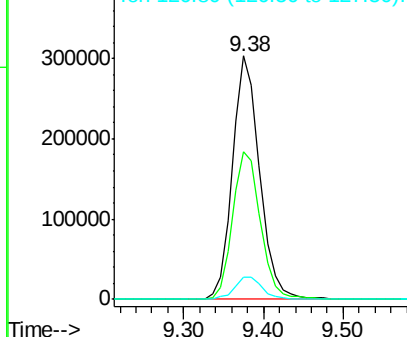
Tot Ion:	83	Resp:	720358
Ion	Ratio	Lower	Upper
83	100		
85	60.4	51.6	77.4
127	8.9	7.8	11.6

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Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 62.564 ug/l

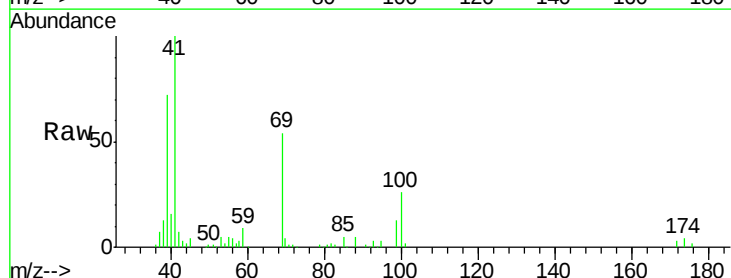
RT: 9.12 min Scan# 781

Delta R.T. -0.01 min

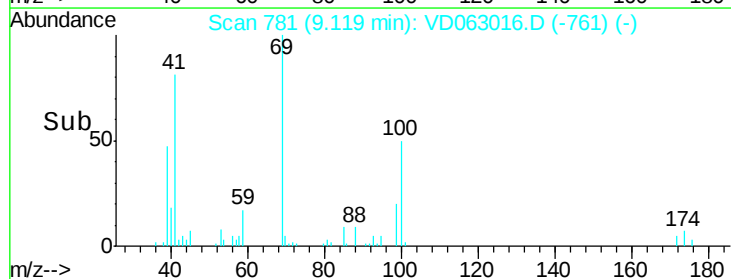
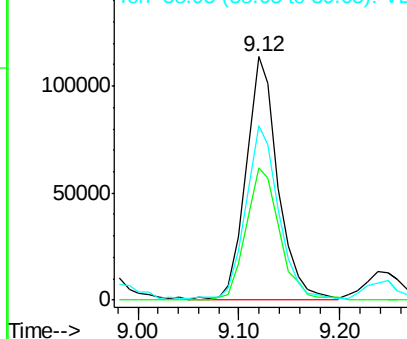
Lab File: VD063016.D

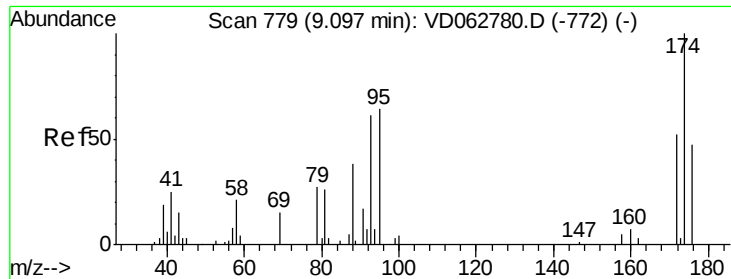
Acq: 3 Jul 2019 10:43

Tgt Ion:	41	Resp:	252089
Ion	Ratio	Lower	Upper
41	100		
69	54.3	47.2	70.8
39	71.8	57.4	86.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





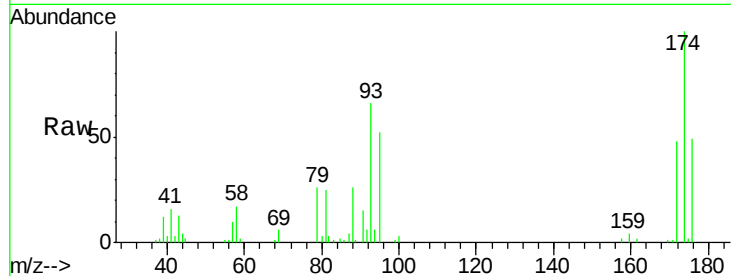
#49
1,4-Dioxane
Concen: 1195.463 ug/l
RT: 9.09 min Scan# 778
Delta R.T. -0.01 min
Lab File: VD063016.D
Acq: 3 Jul 2019 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

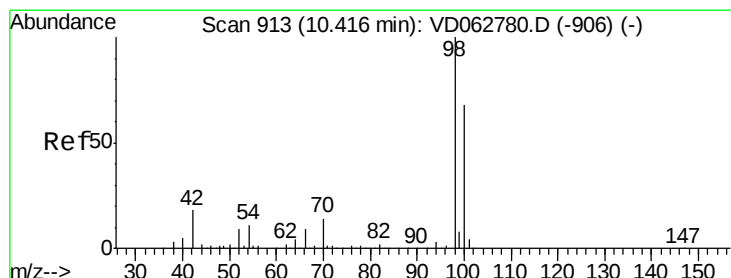
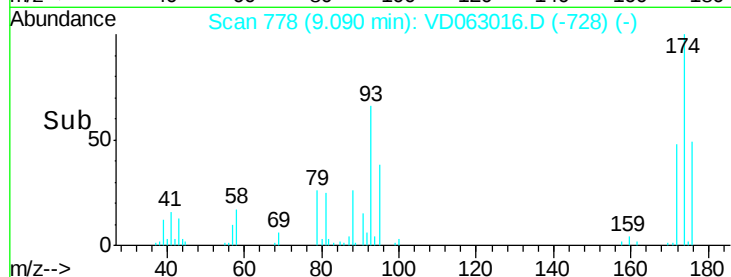
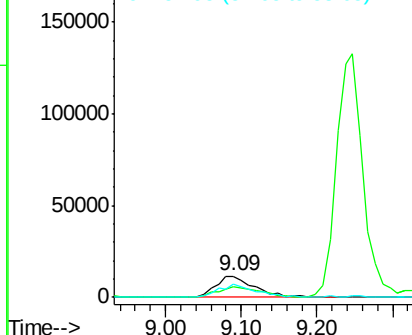
Tot Ion	88	Resp	40075
Ion	Ratio	Lower	Upper
88	100		
43	48.5	32.1	48.1#
58	65.6	44.1	66.1

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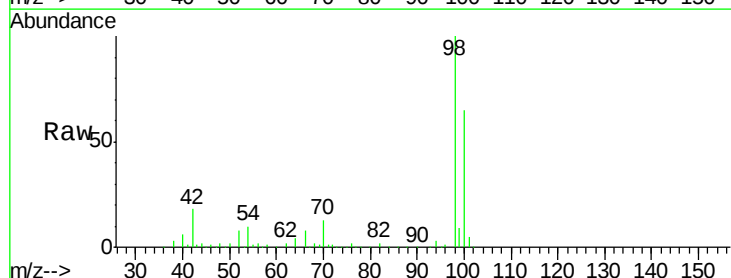


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

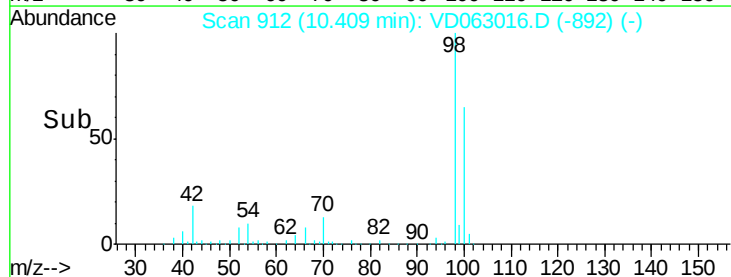
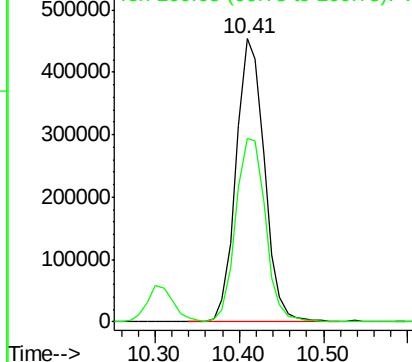


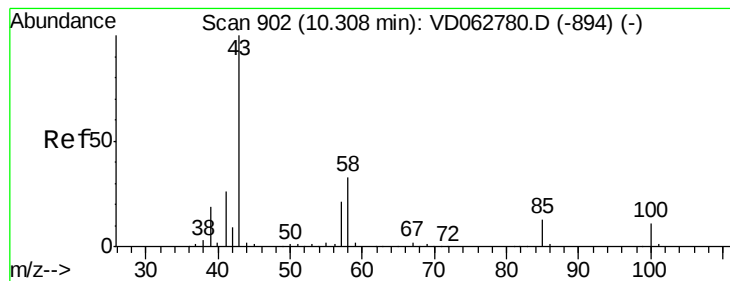
#50
Toluene-d8
Concen: 50.889 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD063016.D
Acq: 3 Jul 2019 10:43

Tgt Ion	98	Resp	1066970
Ion	Ratio	Lower	Upper
98	100		
100	65.0	54.7	82.1



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 300.712 ug/l

RT: 10.30 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063016.D

Acq: 3 Jul 2019 10:43

Tot Ion: 43 Resp: 1208877

Ion Ratio Lower Upper

43 100

58 34.9 26.6 40.0

Instrument :

MSVOA_D

ClientSampleId :

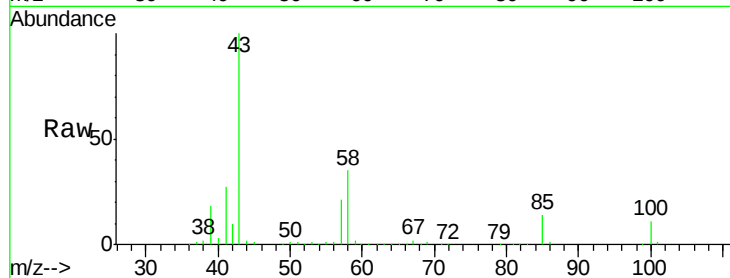
VSTDCCC050

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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

600000

500000

400000

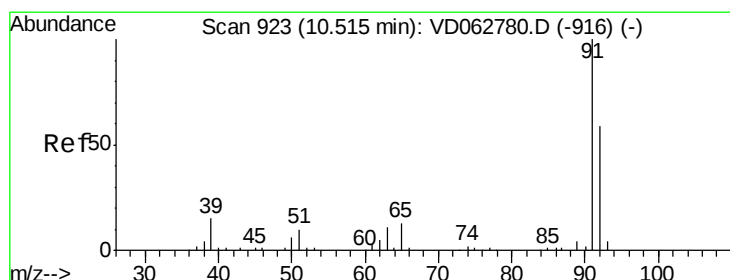
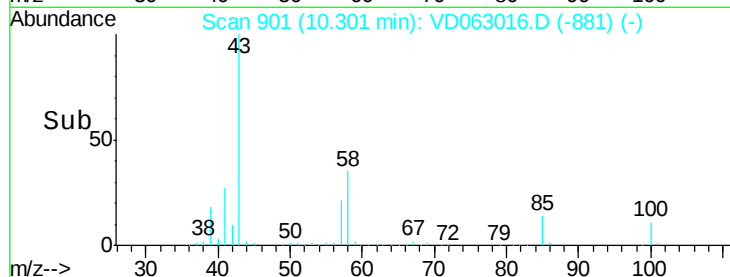
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 54.139 ug/l

RT: 10.51 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD063016.D

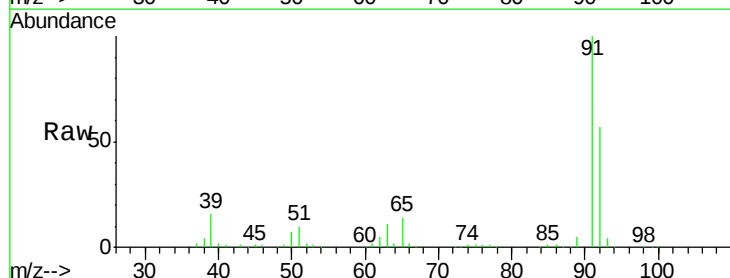
Acq: 3 Jul 2019 10:43

Tgt Ion: 92 Resp: 790054

Ion Ratio Lower Upper

92 100

91 174.0 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

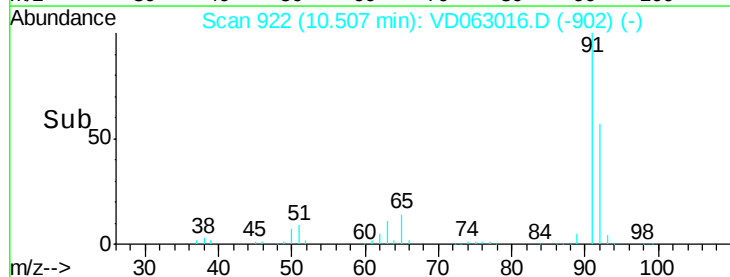
600000

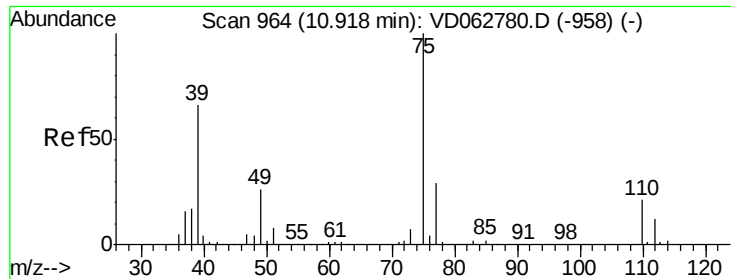
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 59.185 ug/l

RT: 10.91 min Scan# 963

Delta R.T. -0.01 min

Lab File: VD063016.D

Acq: 3 Jul 2019 10:43

Tot Ion: 75 Resp: 583391

Ion Ratio Lower Upper

75 100

77 30.8 23.2 34.8

Instrument :

MSVOA_D

ClientSampleId :

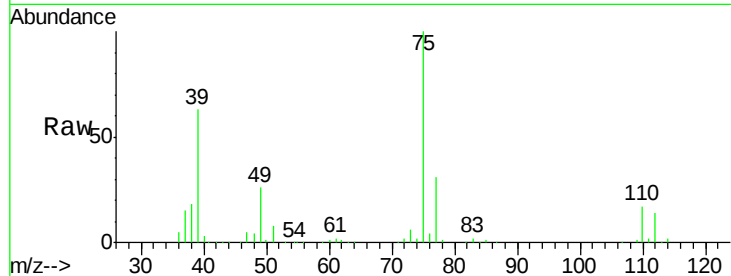
VSTDCCC050

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.91

250000

200000

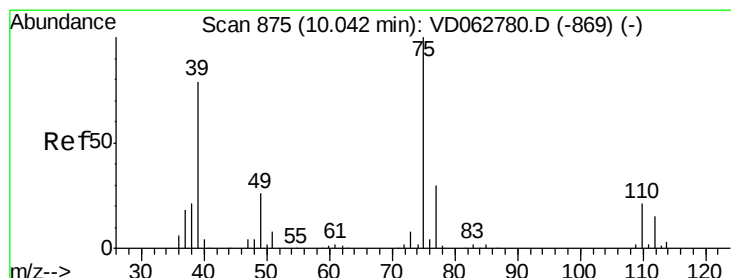
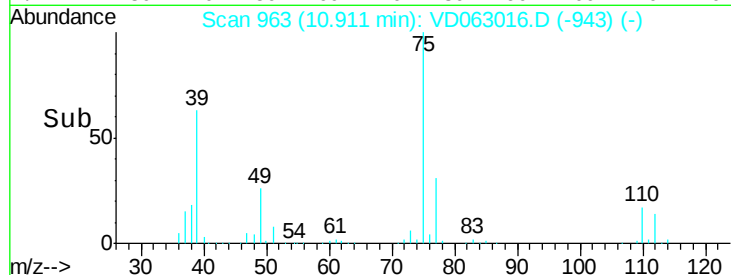
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 56.077 ug/l

RT: 10.04 min Scan# 875

Delta R.T. 0.00 min

Lab File: VD063016.D

Acq: 3 Jul 2019 10:43

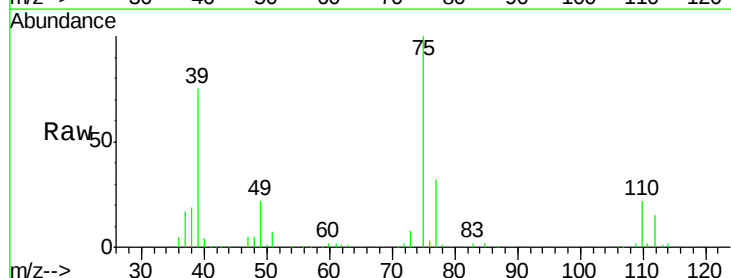
Tgt Ion: 75 Resp: 600807

Ion Ratio Lower Upper

75 100

77 32.4 24.2 36.2

39 74.7 63.5 95.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

10.04

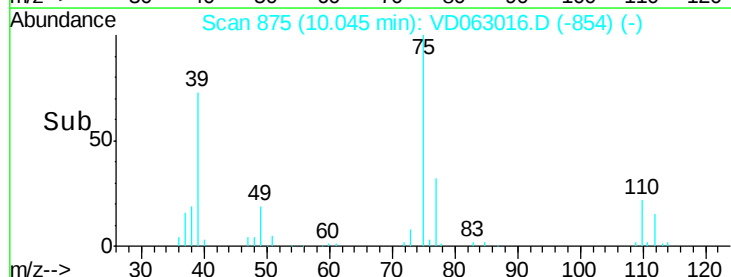
300000

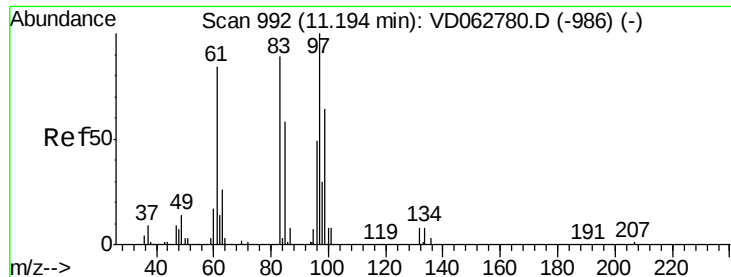
200000

100000

0

Time-->





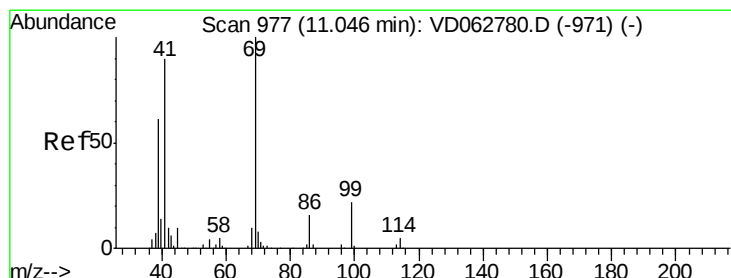
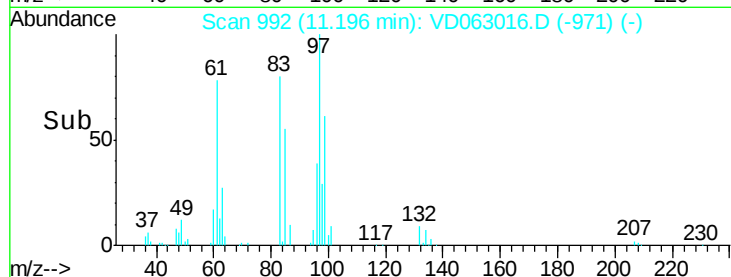
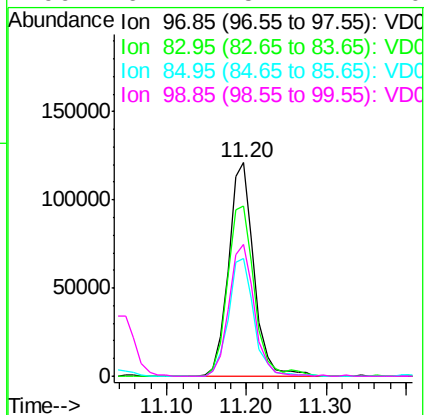
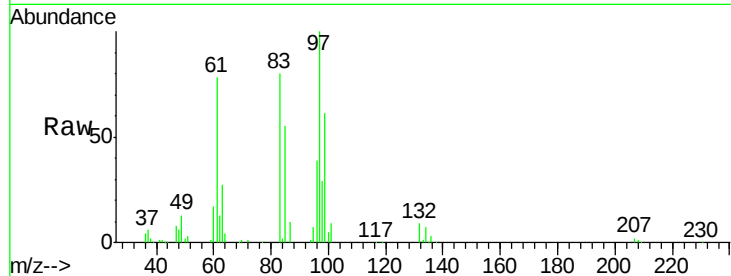
#55
 1,1,2-Trichloroethane
 Concen: 53.574 ug/l
 RT: 11.20 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VD063016.D
 Acq: 3 Jul 2019 10:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	268604
Ion	Ratio	Lower	Upper
97	100		
83	79.7	71.0	106.4
85	55.1	46.6	69.8
99	61.4	51.4	77.0

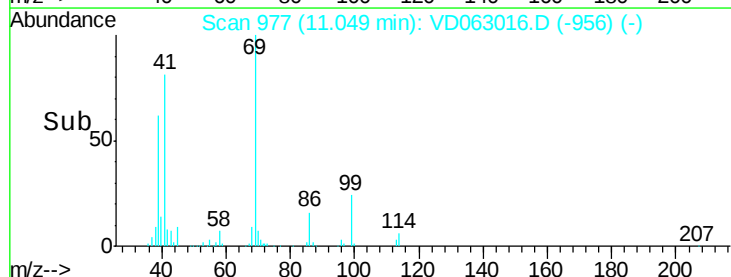
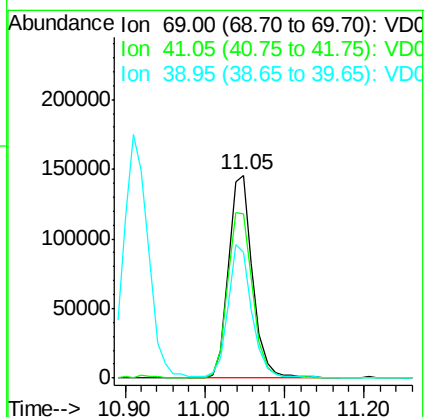
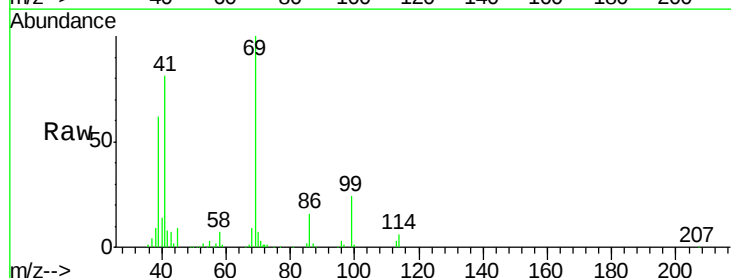
Manual Integrations
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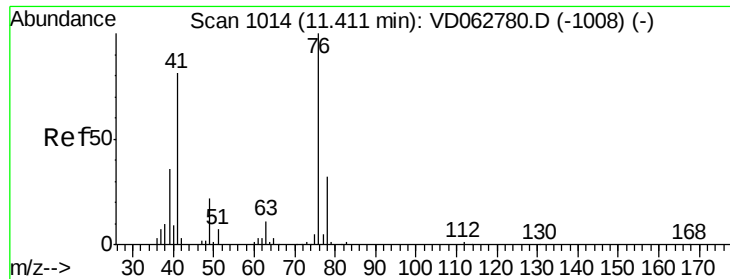
MMDadoda
 7/9/2019 8:54:06 AM



#56
 Ethyl methacrylate
 Concen: 57.743 ug/l
 RT: 11.05 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VD063016.D
 Acq: 3 Jul 2019 10:43

Tgt Ion:	69	Resp:	309387
Ion	Ratio	Lower	Upper
69	100		
41	81.1	72.0	108.0
39	62.4	49.5	74.3





#57

1,3-Dichloropropane

Concen: 58.970 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VD063016.D

Acq: 3 Jul 2019 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 452694

Ion Ratio Lower Upper

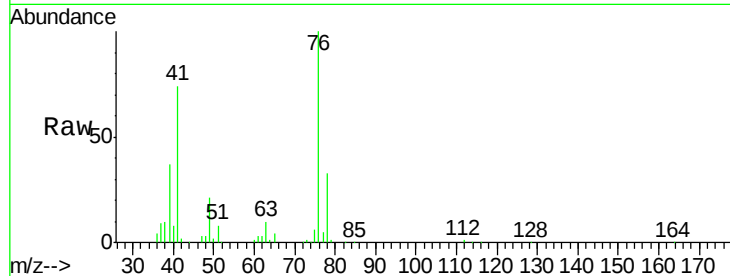
76 100

78 32.9 25.4 38.0

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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

250000

200000

150000

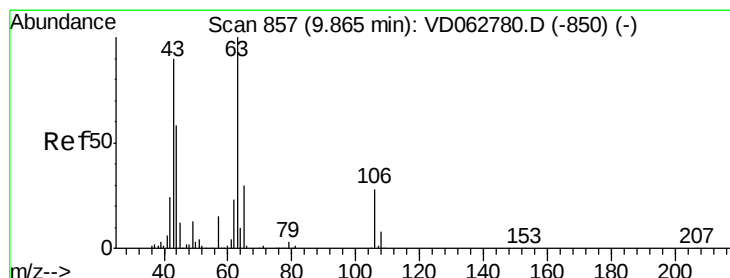
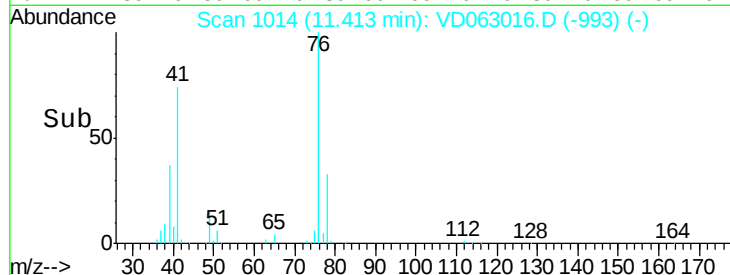
100000

50000

0

11.30 11.40 11.50 11.60

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 272.644 ug/l

RT: 9.86 min Scan# 856

Delta R.T. -0.01 min

Lab File: VD063016.D

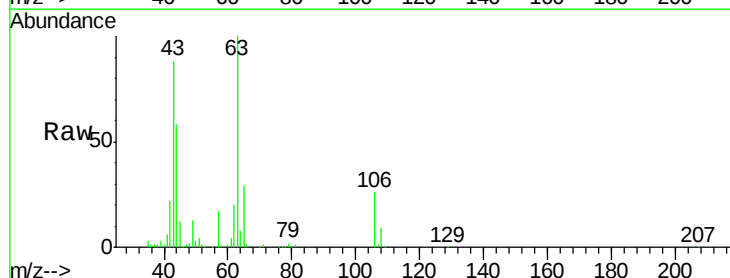
Acq: 3 Jul 2019 10:43

Tgt Ion: 63 Resp: 749971

Ion Ratio Lower Upper

63 100

106 25.8 22.1 33.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

400000

300000

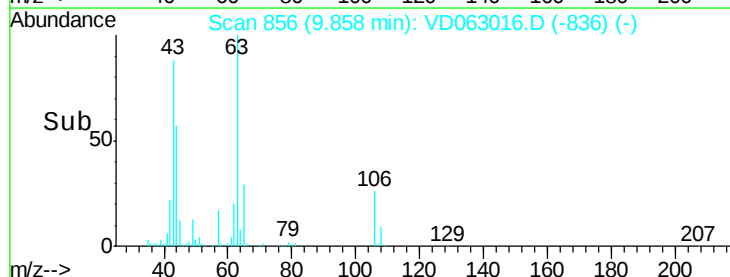
200000

100000

0

9.70 9.80 9.90 10.00

Time-->





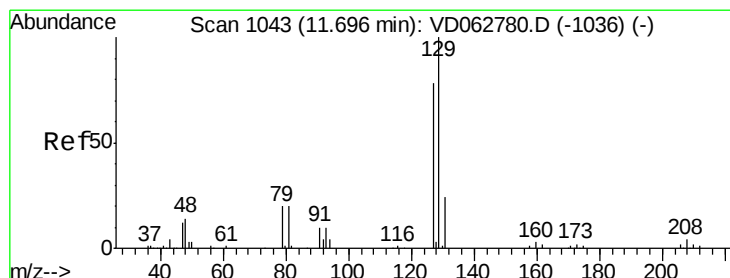
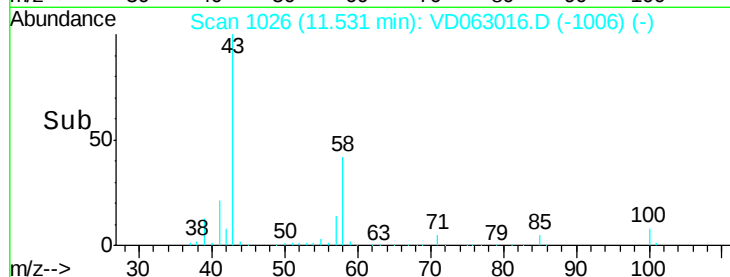
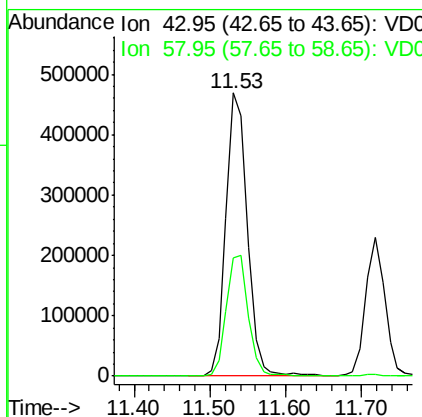
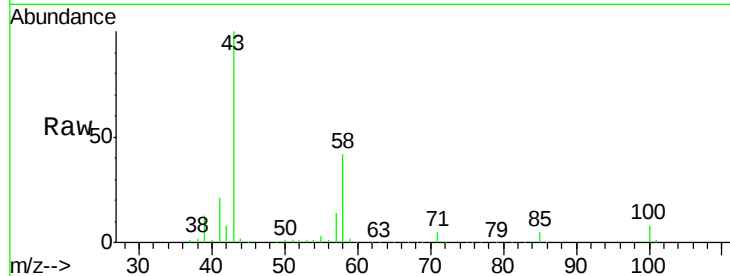
#59
2-Hexanone
Concen: 321.012 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD063016.D
Acq: 3 Jul 2019 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 919069
Ion Ratio Lower Upper
43 100
58 41.8 22.4 67.2

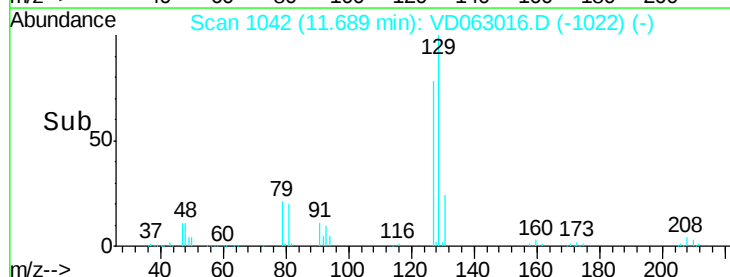
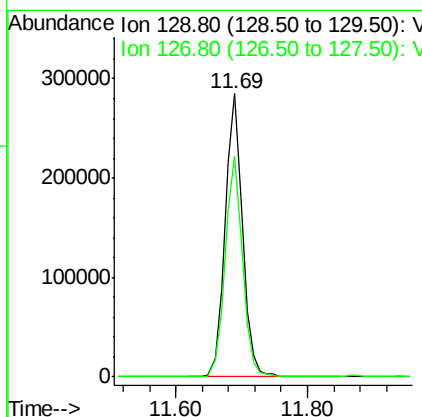
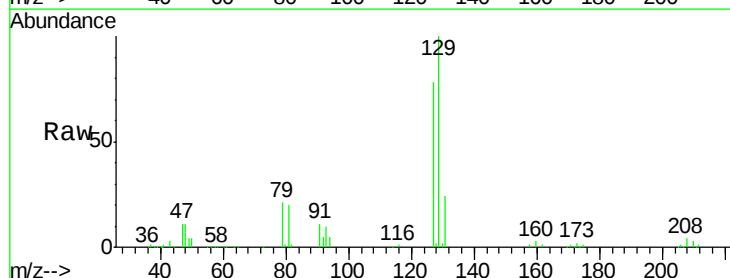
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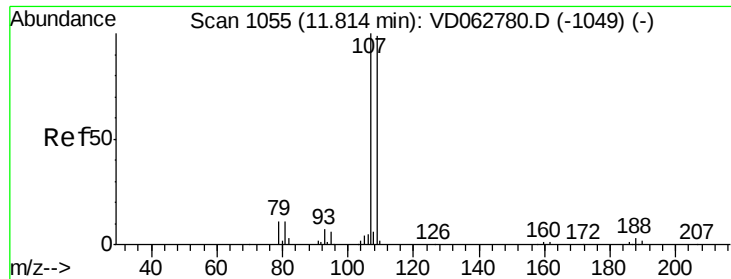
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#60
Dibromochloromethane
Concen: 56.624 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD063016.D
Acq: 3 Jul 2019 10:43

Tgt Ion: 129 Resp: 528791
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.6





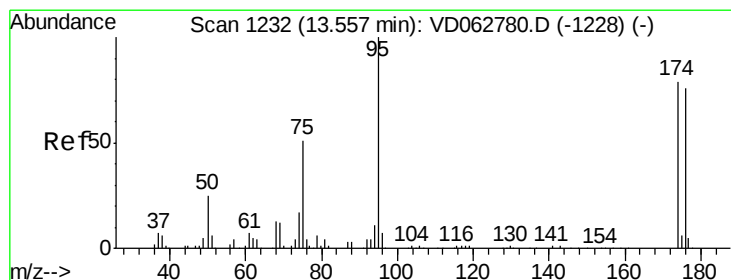
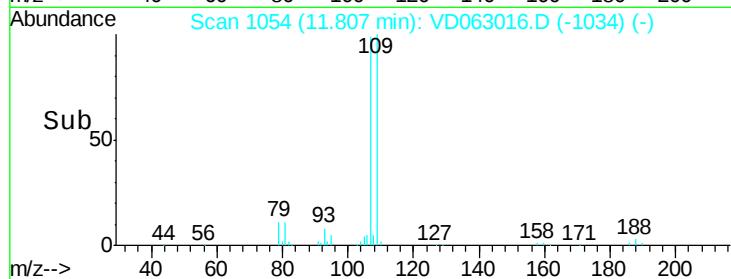
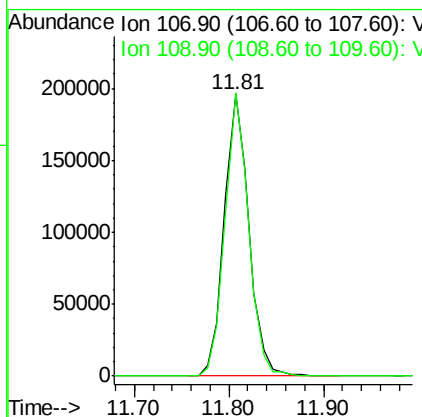
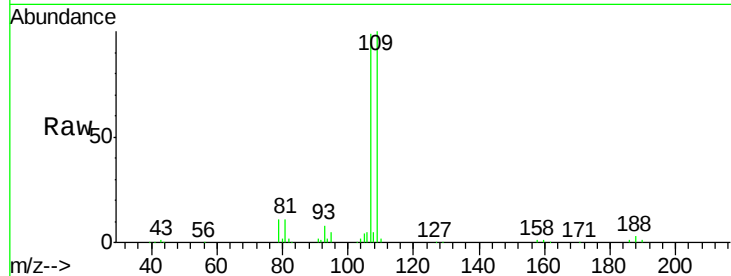
#61
 1,2-Dibromoethane
 Concen: 59.405 ug/l
 RT: 11.81 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD063016.D
 Acq: 3 Jul 2019 10:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	100.6	79.3	118.9

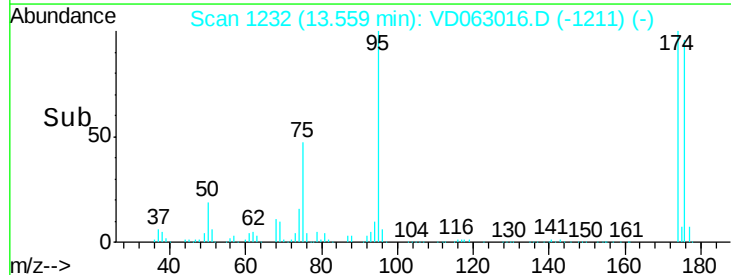
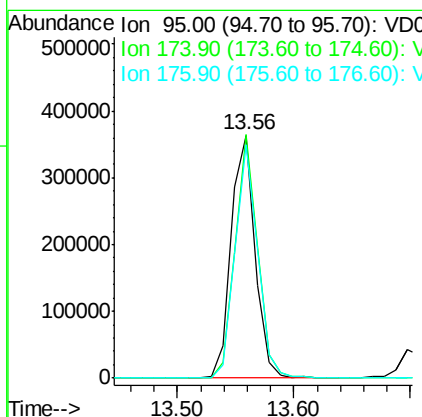
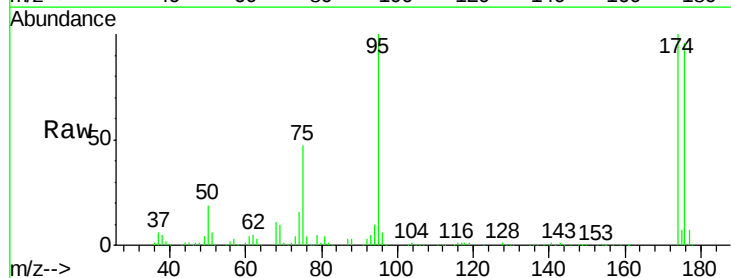
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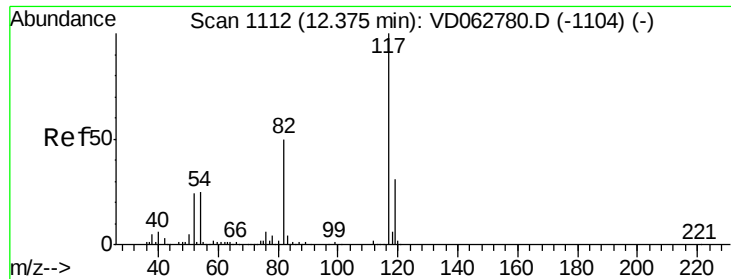
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 53.918 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD063016.D
 Acq: 3 Jul 2019 10:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	100.3	0.0	158.0
176	96.0	0.0	151.6





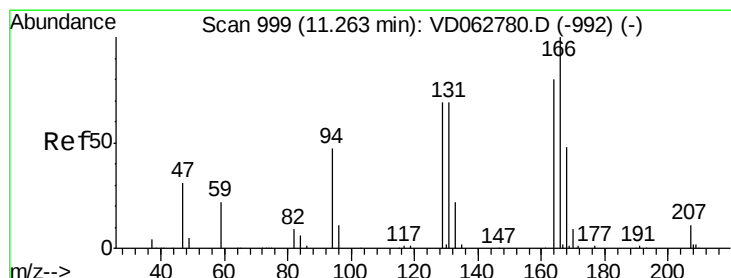
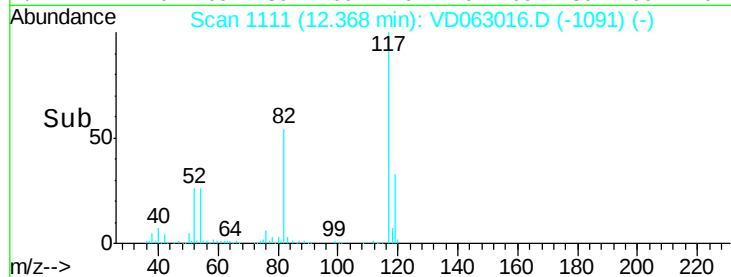
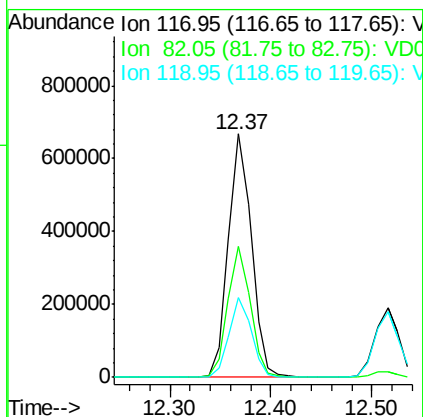
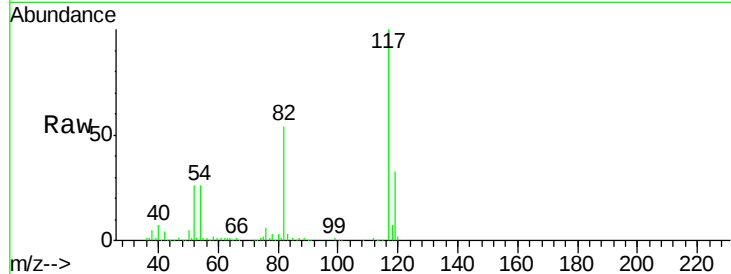
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063016.D
Acq: 3 Jul 2019 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1065449
Ion Ratio Lower Upper
117 100
82 53.9 40.4 60.6
119 32.6 25.2 37.8

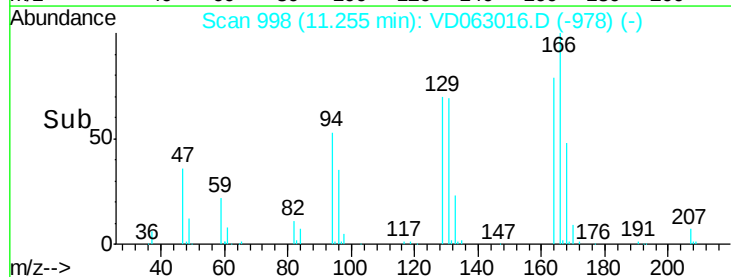
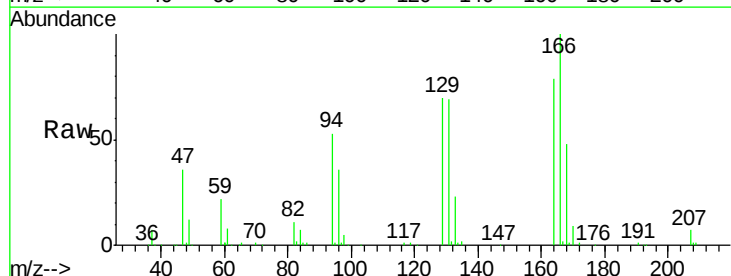
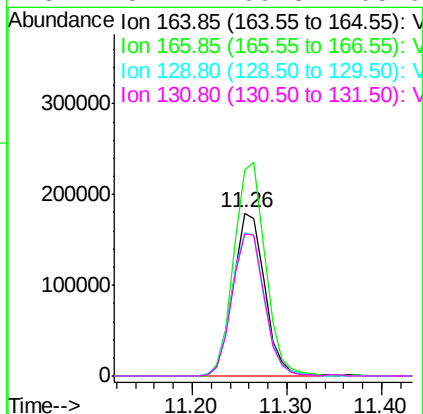
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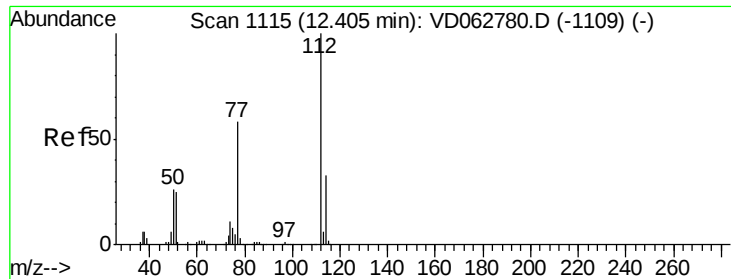
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#64
Tetrachloroethene
Concen: 47.411 ug/l
RT: 11.26 min Scan# 998
Delta R.T. -0.01 min
Lab File: VD063016.D
Acq: 3 Jul 2019 10:43

Tgt Ion:164 Resp: 415744
Ion Ratio Lower Upper
164 100
166 126.1 100.6 150.8
129 88.1 69.4 104.0
131 87.2 69.3 103.9





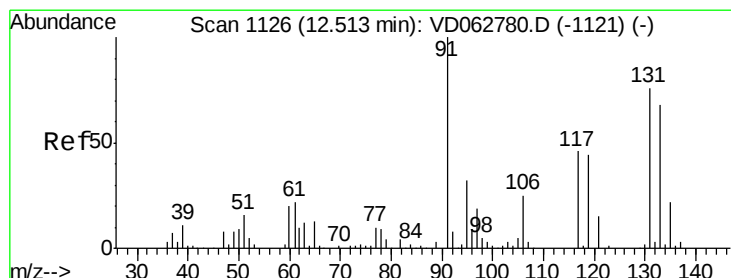
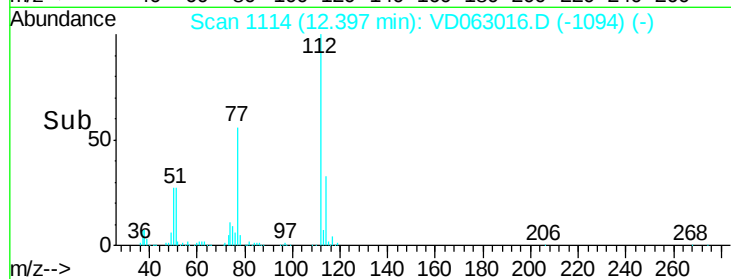
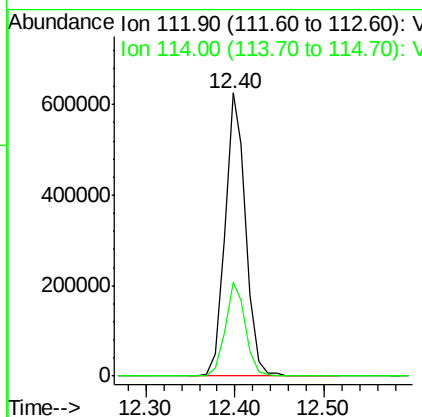
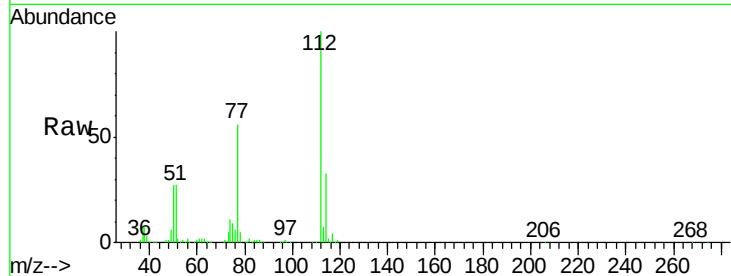
#65
Chlorobenzene
Concen: 51.551 ug/l
RT: 12.40 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD063016.D
Acq: 3 Jul 2019 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1019342
Ion Ratio Lower Upper
112 100
114 33.0 26.3 39.5

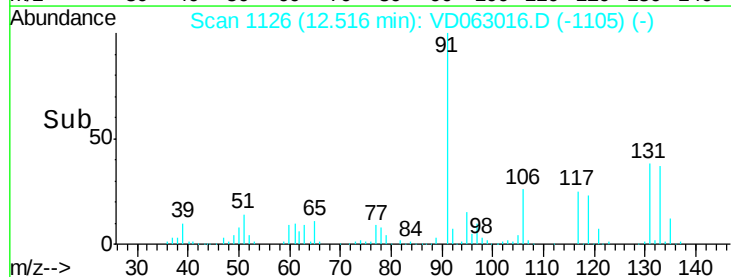
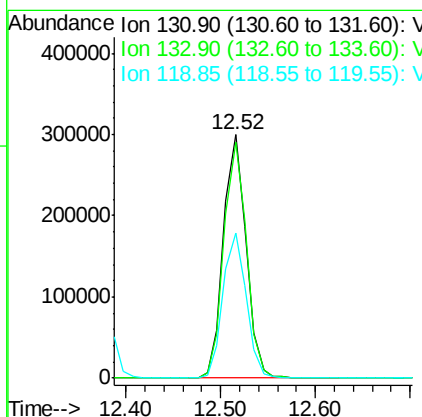
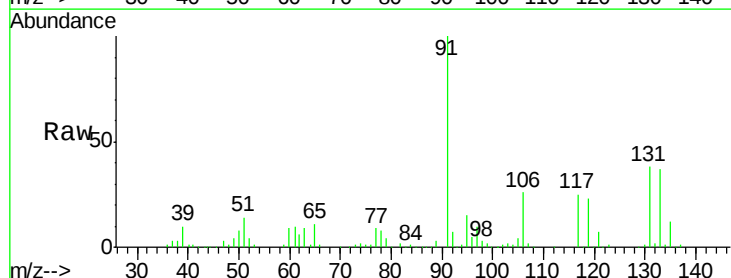
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.813 ug/l
RT: 12.52 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD063016.D
Acq: 3 Jul 2019 10:43

Tgt Ion:131 Resp: 497625
Ion Ratio Lower Upper
131 100
133 96.7 44.5 133.3
119 59.6 28.6 85.9





#67

Ethyl Benzene

Concen: 53.833 ug/l

RT: 12.53 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VD063016.D

Acq: 3 Jul 2019 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1911147

Ion Ratio Lower Upper

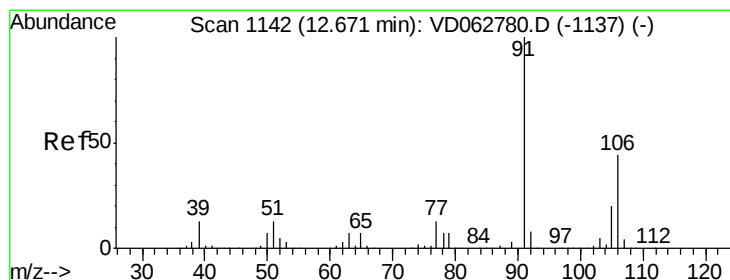
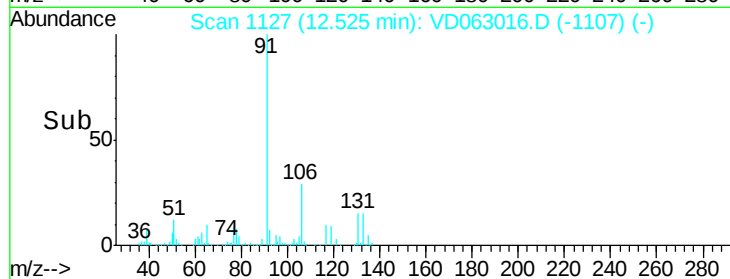
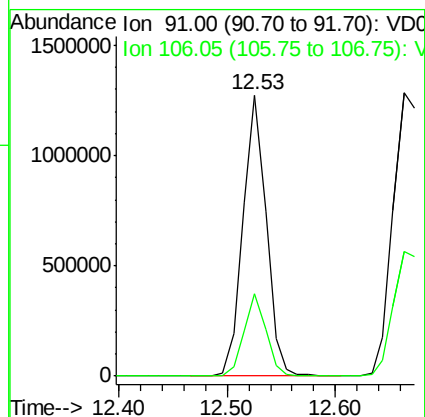
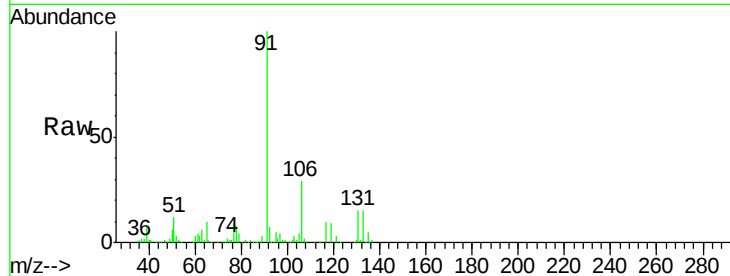
91 100

106 29.3 23.1 34.7

Manual Integrations
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#68

m/p-Xylenes

Concen: 95.135 ug/l

RT: 12.66 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VD063016.D

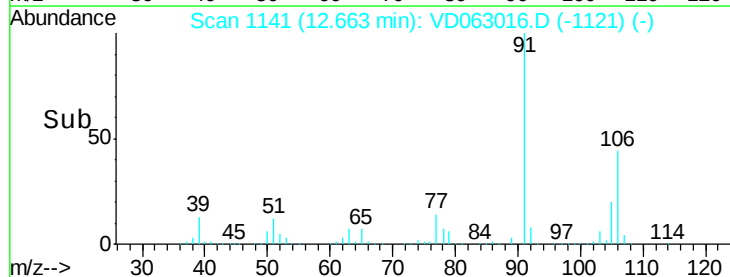
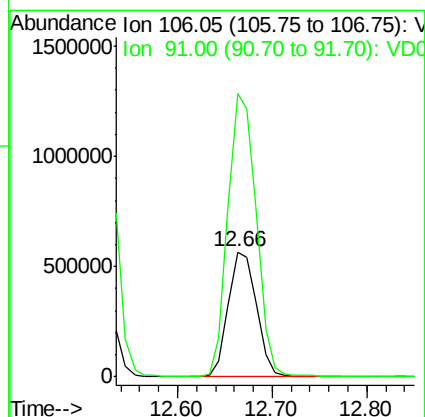
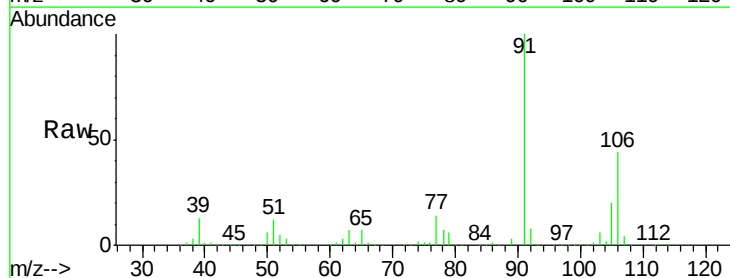
Acq: 3 Jul 2019 10:43

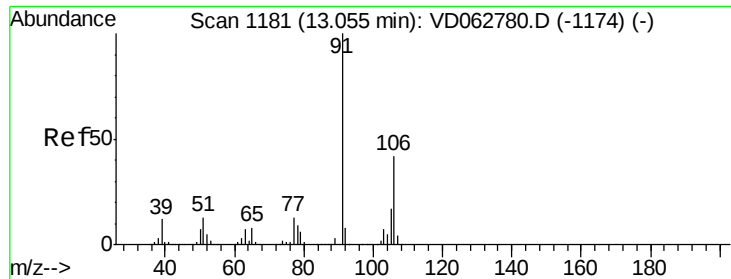
Tgt Ion: 106 Resp: 1176326

Ion Ratio Lower Upper

106 100

91 226.4 183.0 274.6





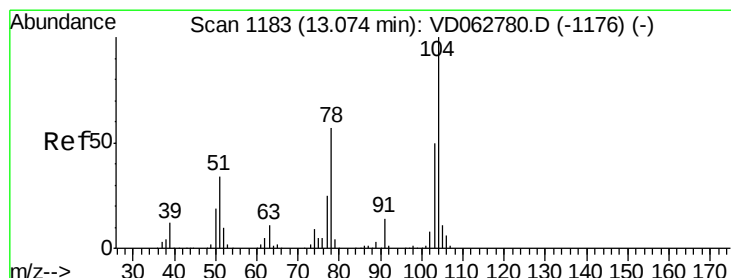
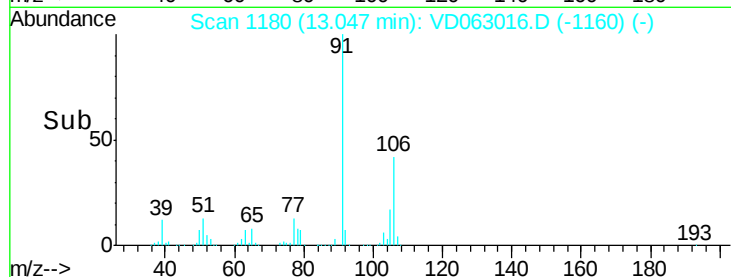
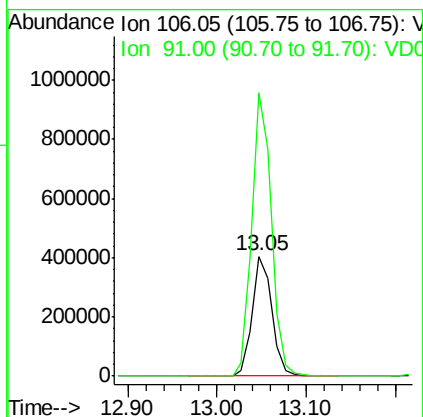
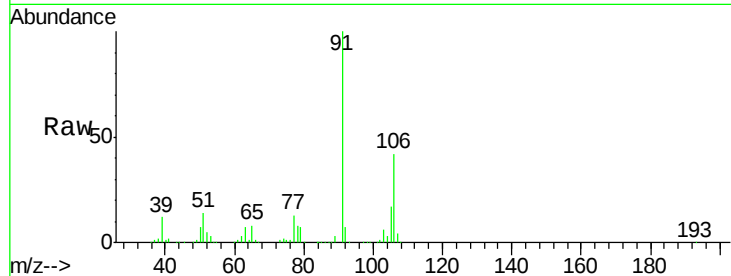
#69
o-Xylene
Concen: 54.089 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD063016.D
Acq: 3 Jul 2019 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		611379		
91	235.8	117.9	353.6		

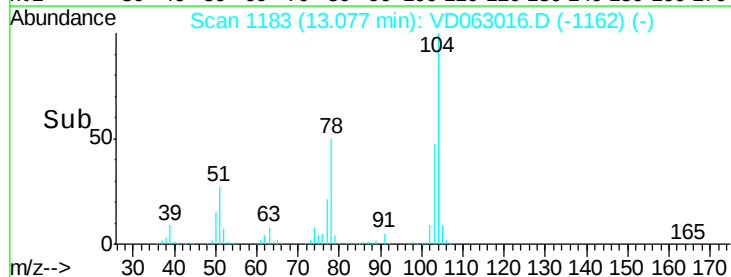
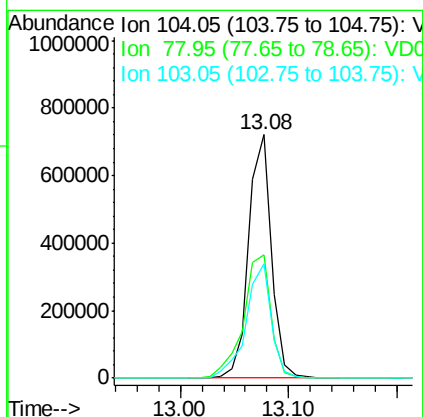
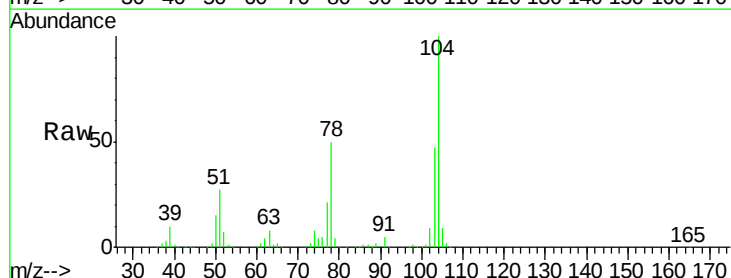
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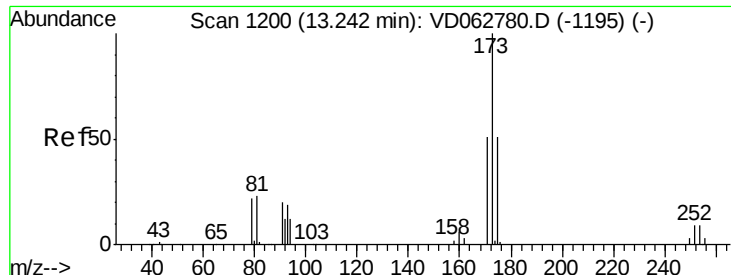
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#70
Styrene
Concen: 52.906 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD063016.D
Acq: 3 Jul 2019 10:43

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	50.4	45.4	68.2	
103	46.7	39.7	59.5	





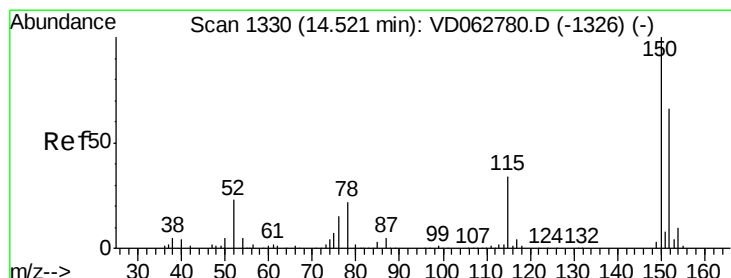
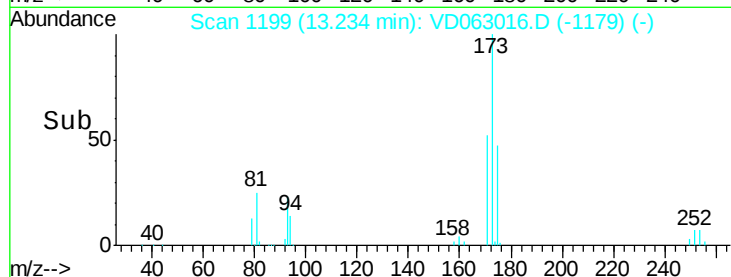
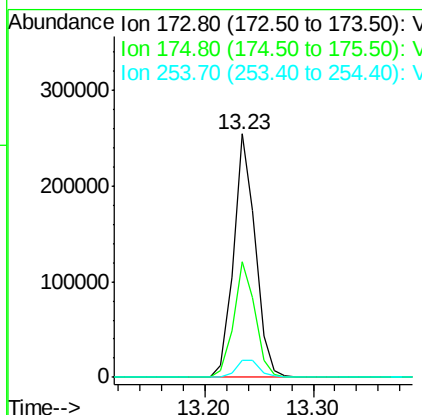
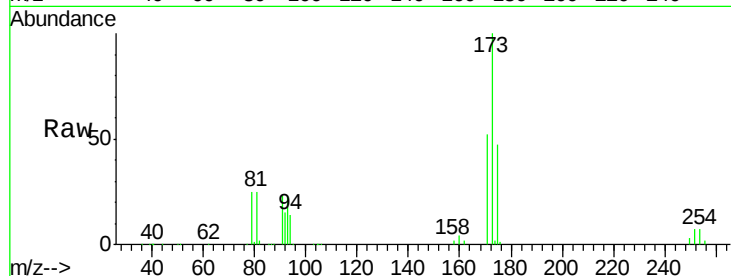
#71
Bromoform
Concen: 56.074 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.01 min
Lab File: VD063016.D
Acq: 3 Jul 2019 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.4	25.3	75.9
254	7.2	7.1	10.7

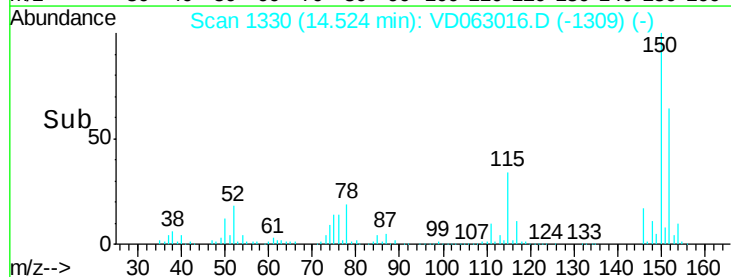
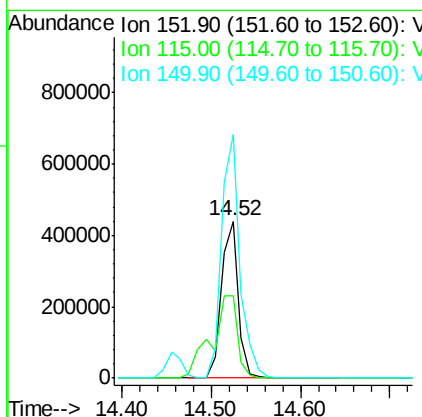
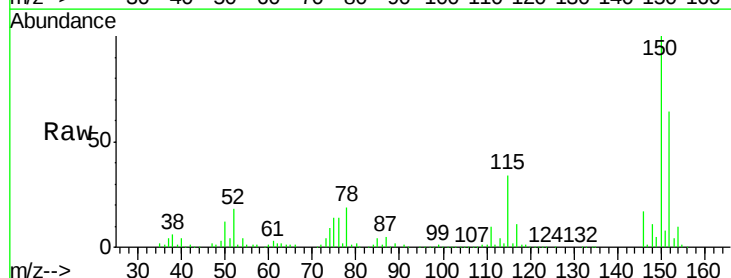
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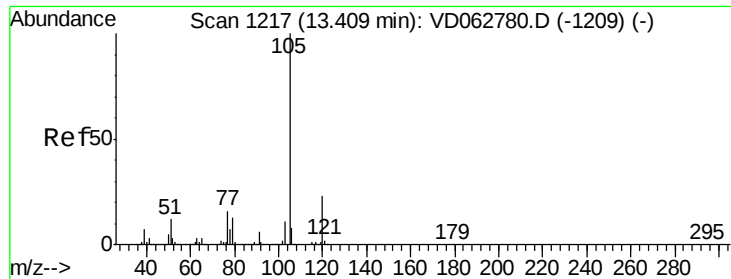
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD063016.D
Acq: 3 Jul 2019 10:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.3	29.2	87.6
150	155.2	0.0	305.8





#73

Isopropylbenzene

Concen: 47.966 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD063016.D

Acq: 3 Jul 2019 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1799662

Ion Ratio Lower Upper

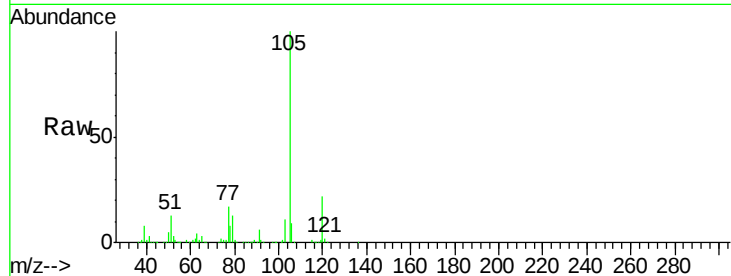
105 100

120 22.4 11.6 34.7

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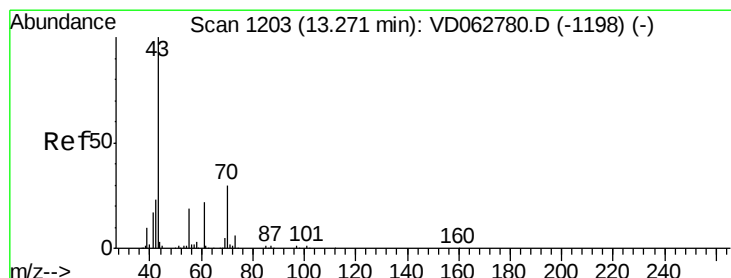
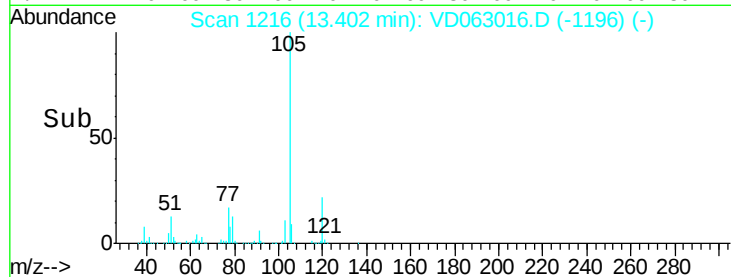
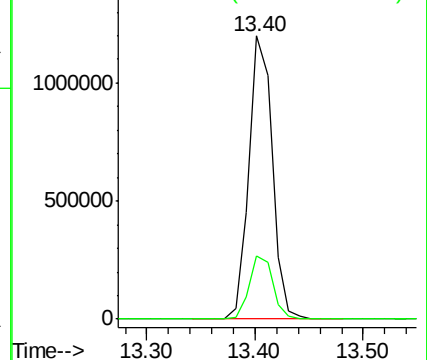
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 58.344 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD063016.D

Acq: 3 Jul 2019 10:43

Tgt Ion: 43 Resp: 531597

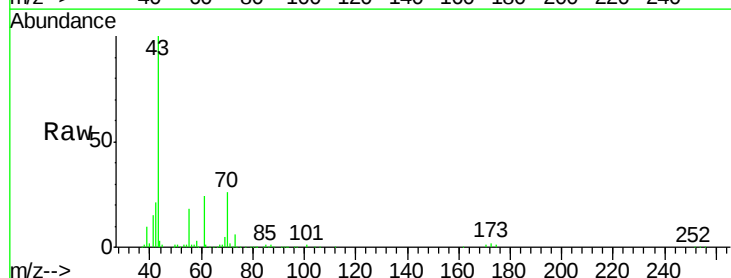
Ion Ratio Lower Upper

43 100

70 26.1 24.4 36.6

55 18.2 15.2 22.8

61 23.9 17.4 26.2

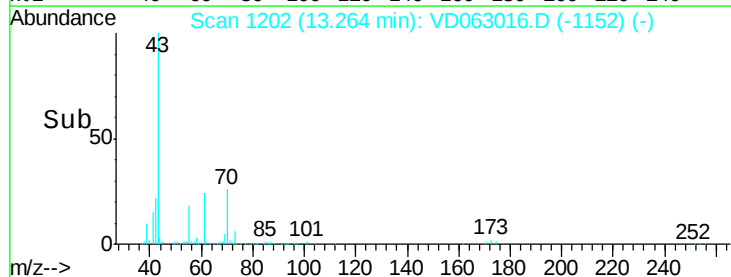
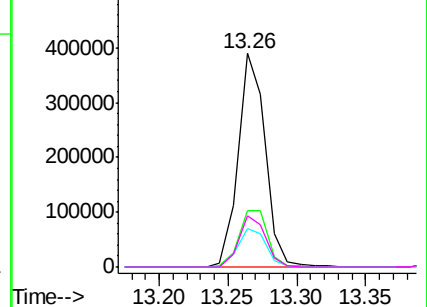


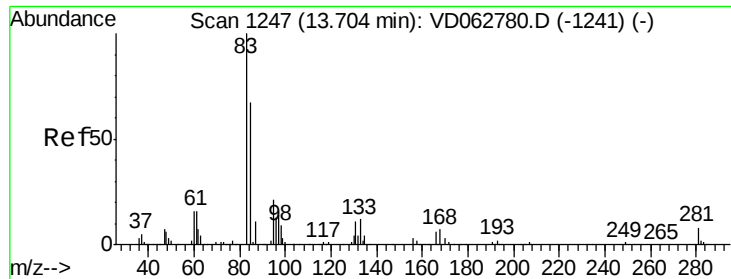
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 54.135 ug/l

RT: 13.70 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD063016.D

Acq: 3 Jul 2019 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 330933
Ion Ratio Lower Upper

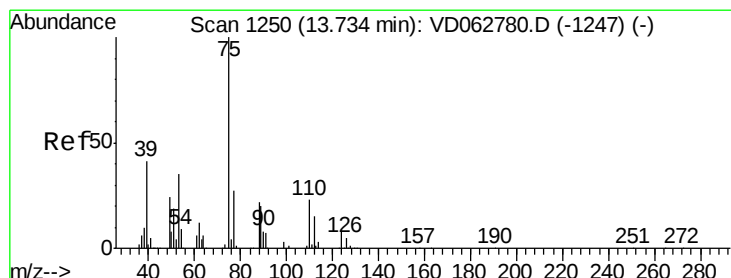
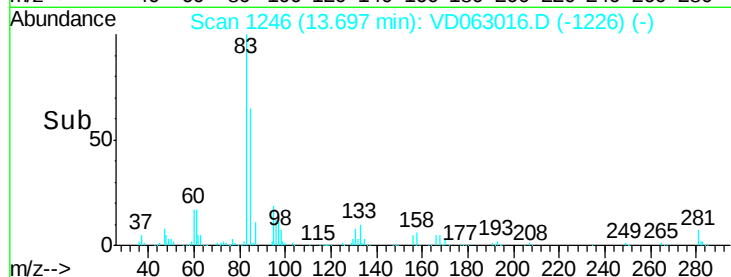
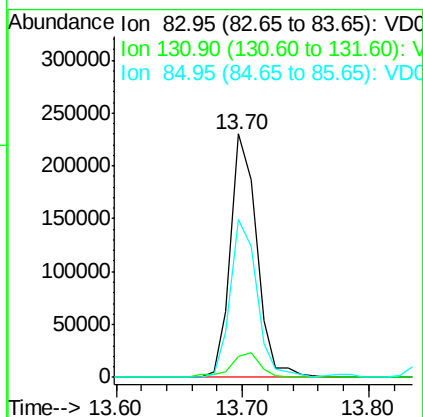
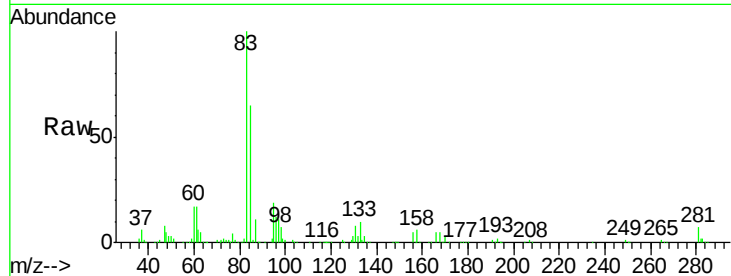
83 100

131 8.4 5.3 16.1

85 64.7 33.7 101.1

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#76

1,2,3-Trichloropropane

Concen: 55.017 ug/l

RT: 13.74 min Scan# 1250

Delta R.T. 0.00 min

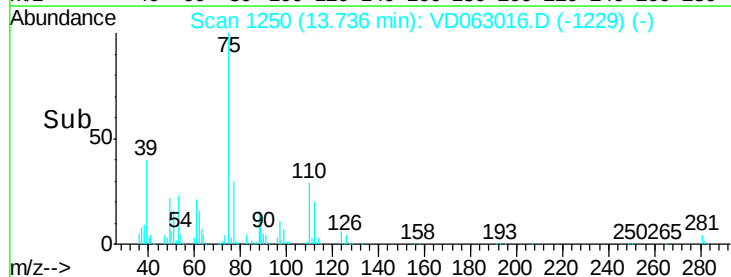
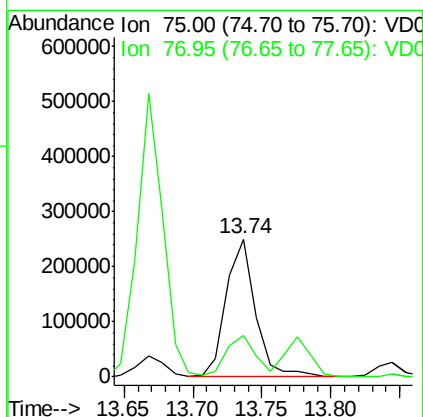
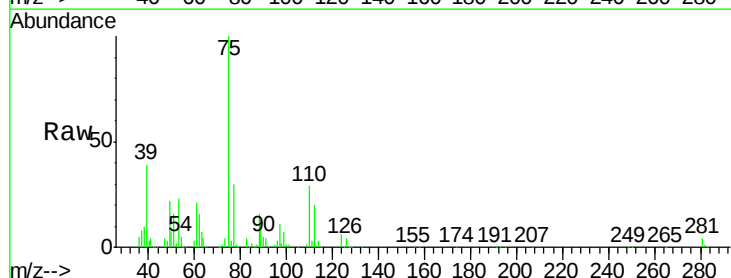
Lab File: VD063016.D

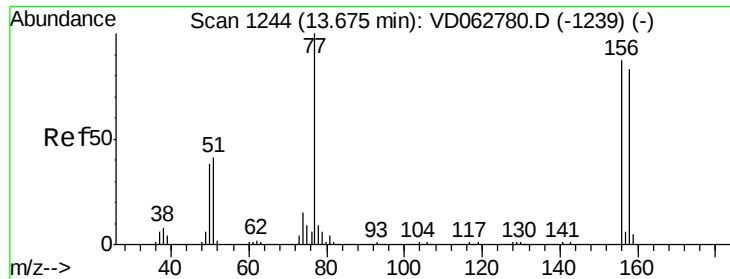
Acq: 3 Jul 2019 10:43

Tgt Ion: 75 Resp: 371652
Ion Ratio Lower Upper

75 100

77 29.9 15.0 45.1





#77

Bromobenzene

Concen: 53.015 ug/l

RT: 13.67 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD063016.D

Acq: 3 Jul 2019 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 535003

Ion Ratio Lower Upper

156 100

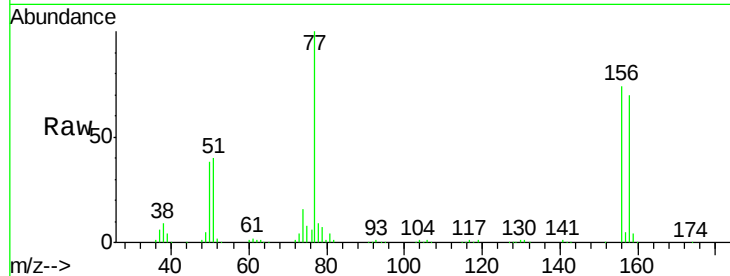
77 135.0 57.7 173.1

158 94.5 47.7 143.1

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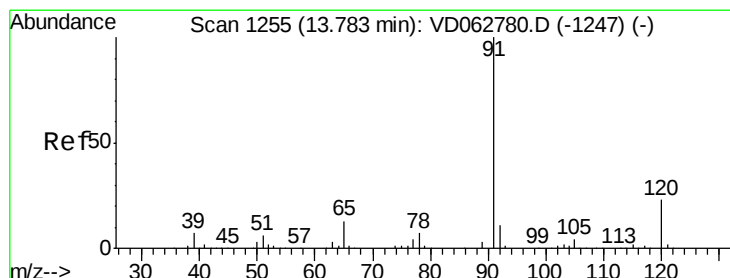
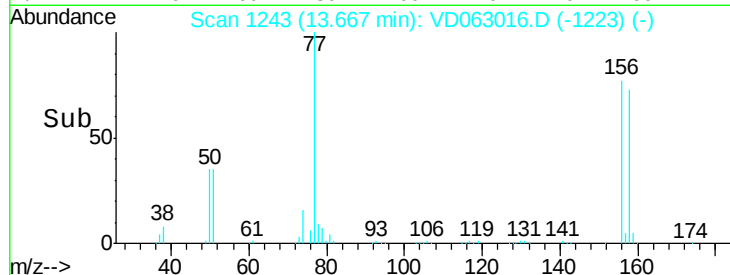
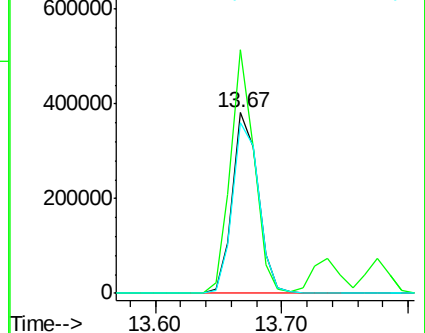
7/9/2019 8:54:06 AM



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 51.609 ug/l

RT: 13.78 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD063016.D

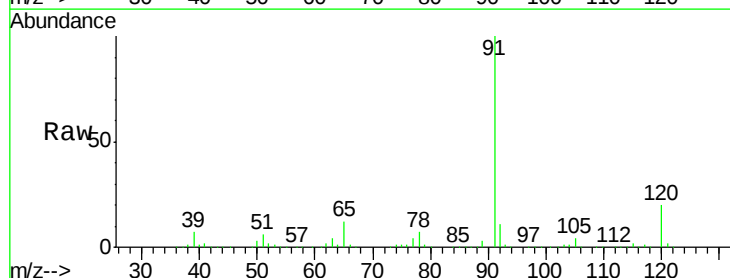
Acq: 3 Jul 2019 10:43

Tgt Ion: 91 Resp: 2253693

Ion Ratio Lower Upper

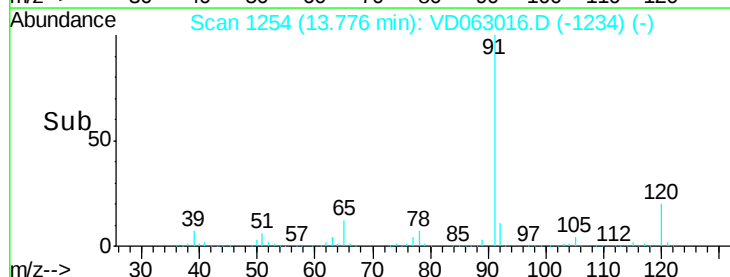
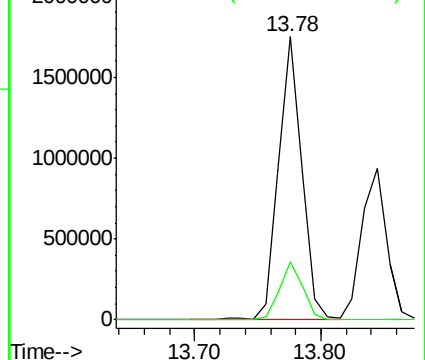
91 100

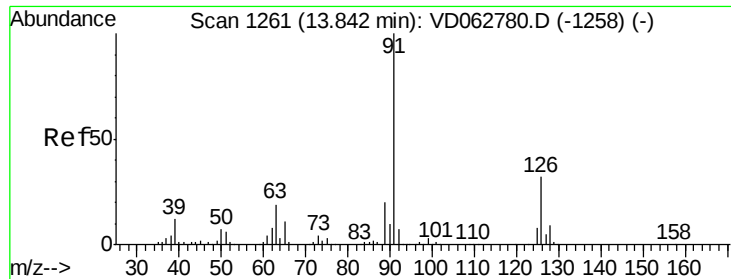
120 20.4 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 51.091 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD063016.D

Acq: 3 Jul 2019 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1275022

Ion Ratio Lower Upper

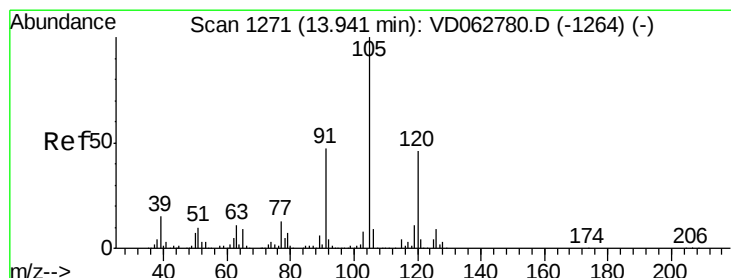
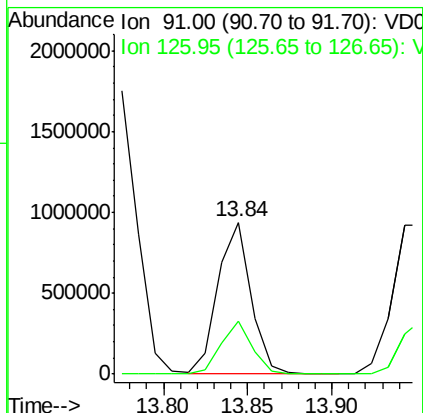
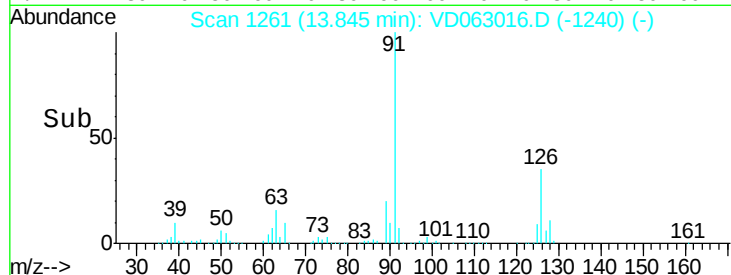
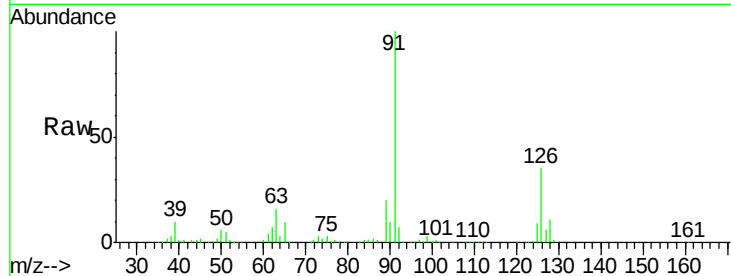
91 100

126 34.7 15.7 47.1

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#80

1,3,5-Trimethylbenzene

Concen: 51.676 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD063016.D

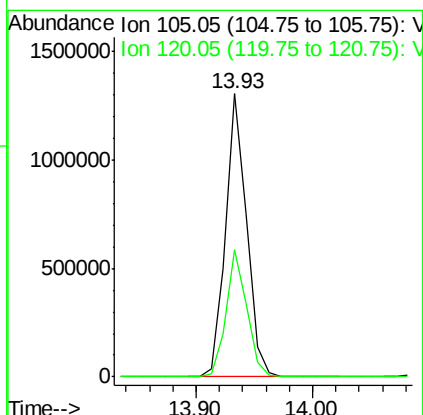
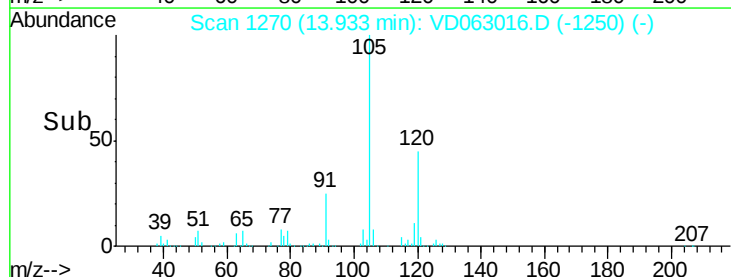
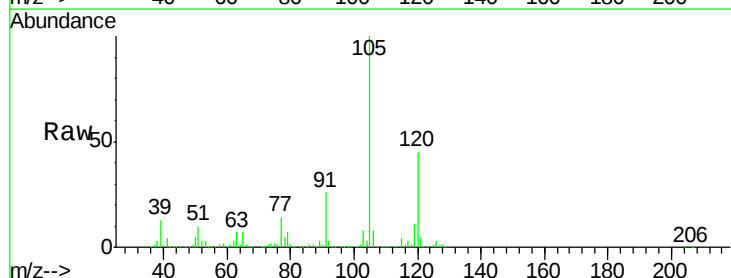
Acq: 3 Jul 2019 10:43

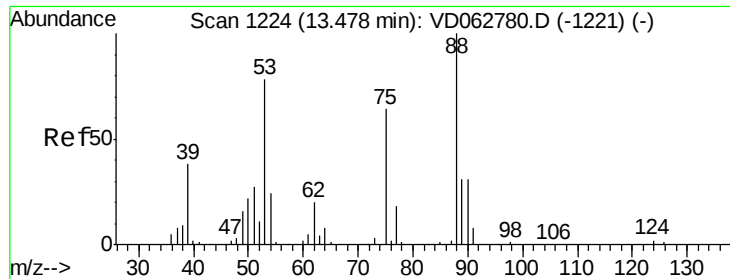
Tgt Ion: 105 Resp: 1628550

Ion Ratio Lower Upper

105 100

120 44.9 23.1 69.2





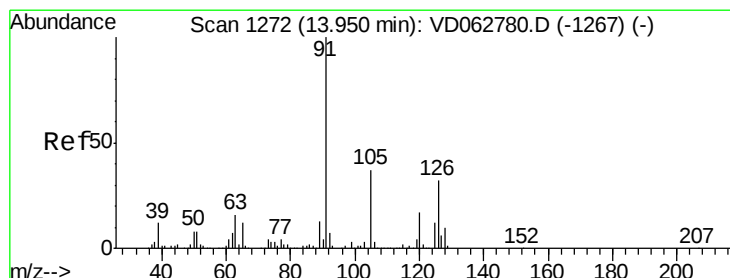
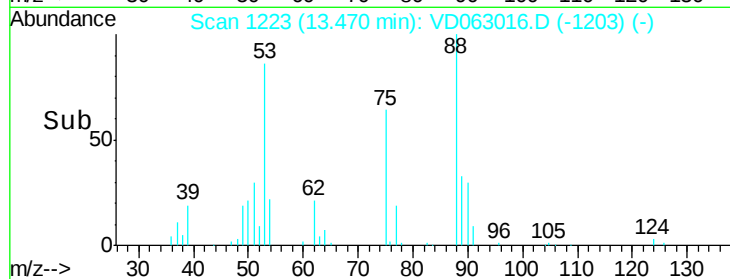
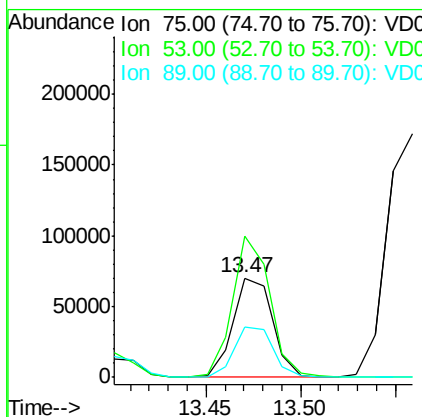
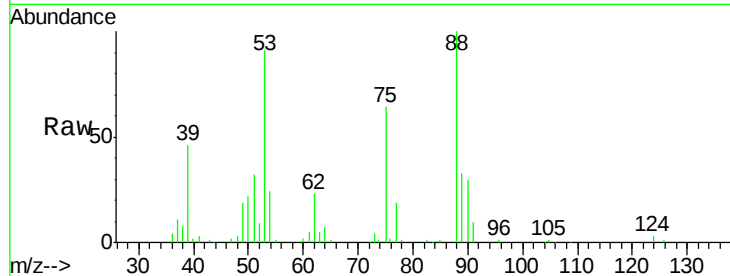
#81
trans-1,4-Dichloro-2-butene
Concen: 57.817 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD063016.D
Acq: 3 Jul 2019 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	141.6	97.8	146.8
89	51.3	39.4	59.2

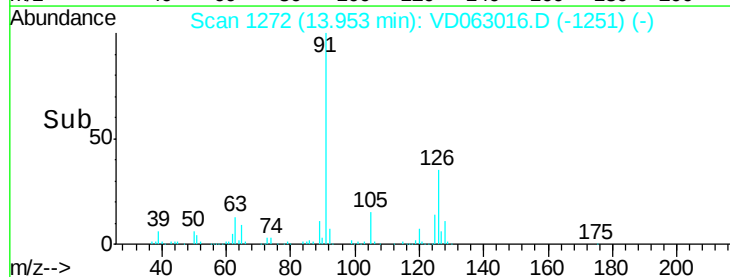
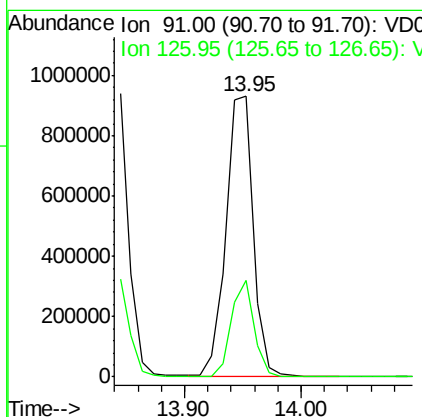
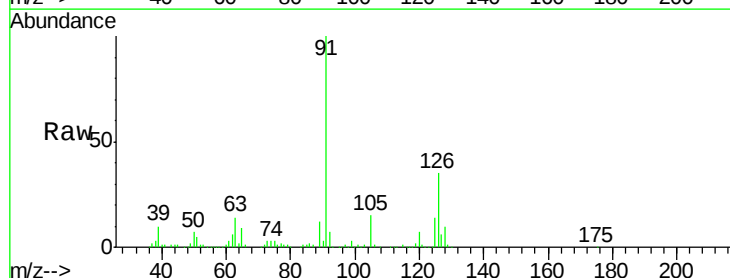
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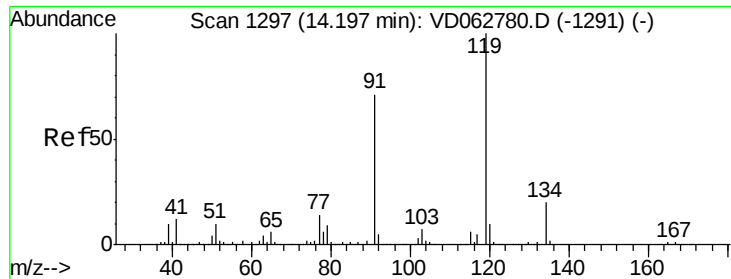
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#82
4-Chlorotoluene
Concen: 50.120 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD063016.D
Acq: 3 Jul 2019 10:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	16.0	47.9





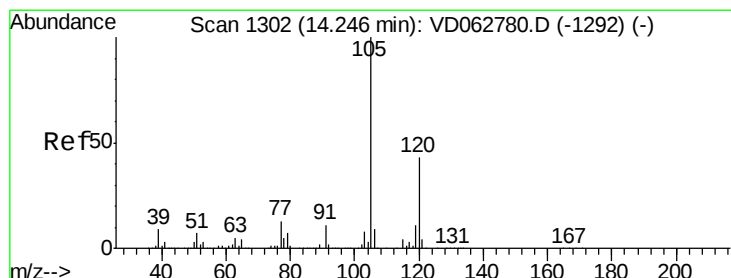
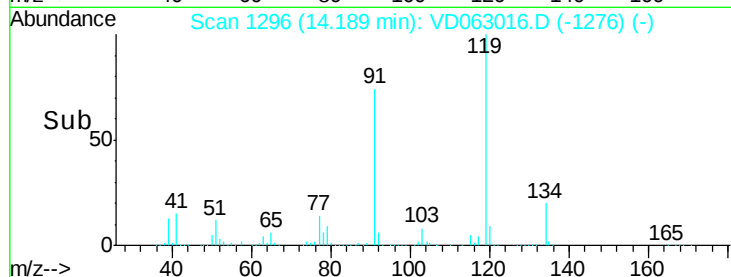
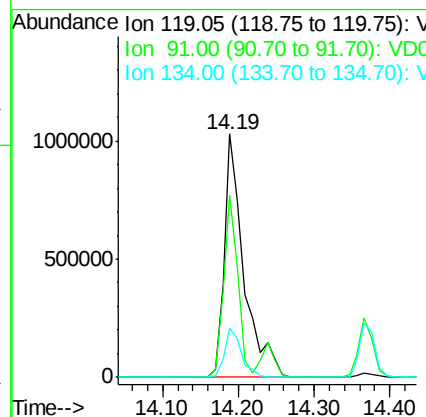
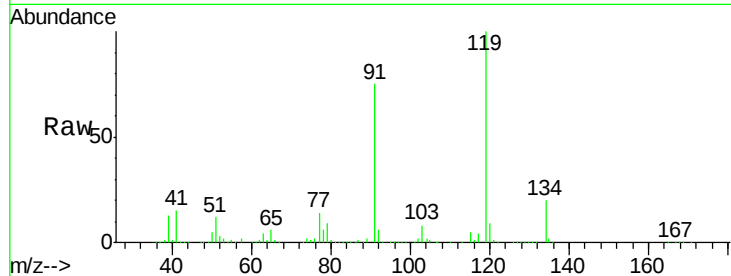
#83
tert-Butylbenzene
Concen: 53.180 ug/l
RT: 14.19 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VD063016.D
Acq: 3 Jul 2019 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 1868095
Ion Ratio Lower Upper
119 100
91 74.6 35.5 106.5
134 20.2 10.2 30.6

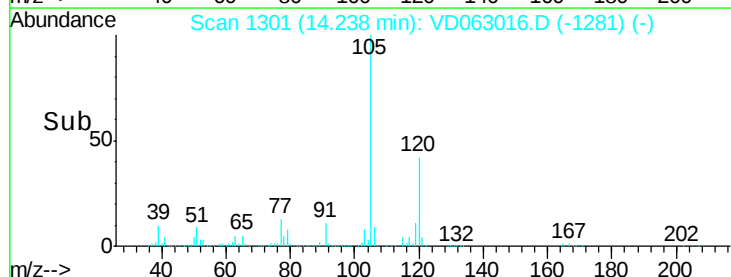
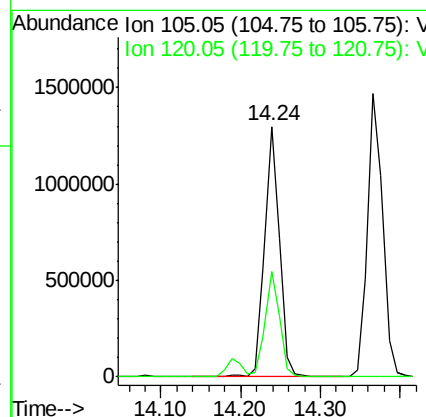
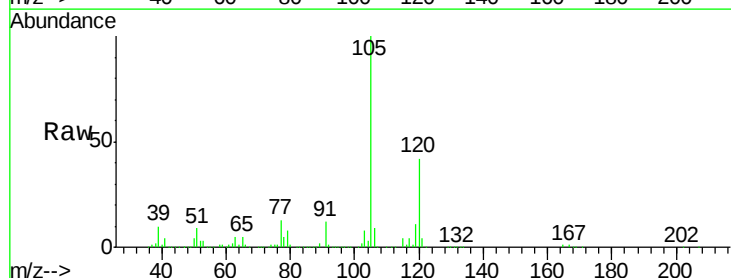
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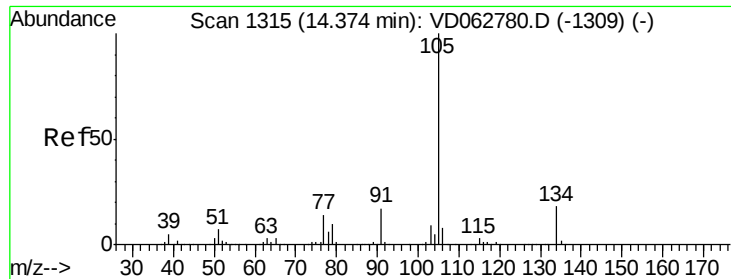
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#84
1,2,4-Trimethylbenzene
Concen: 50.859 ug/l
RT: 14.24 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VD063016.D
Acq: 3 Jul 2019 10:43

Tgt Ion:105 Resp: 1642806
Ion Ratio Lower Upper
105 100
120 42.1 21.3 63.9





#85

sec-Butylbenzene

Concen: 50.570 ug/l

RT: 14.37 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD063016.D

Acq: 3 Jul 2019 10:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1930744

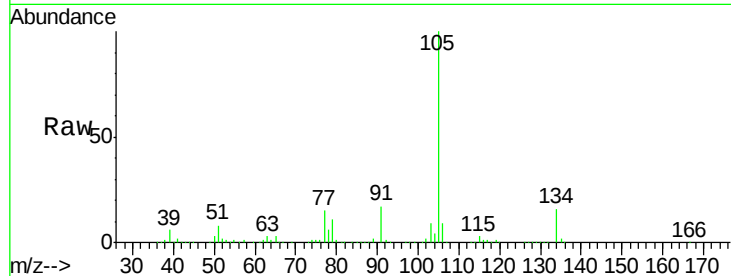
Ion Ratio Lower Upper

105 100

134 15.6 9.1 27.3

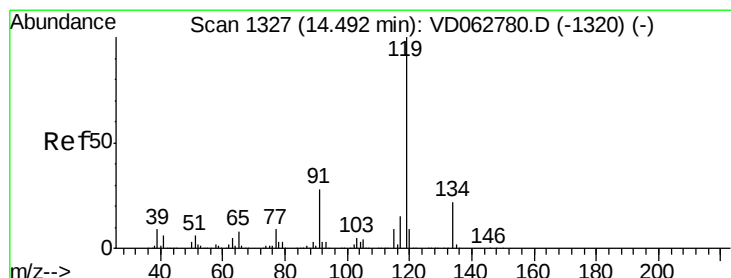
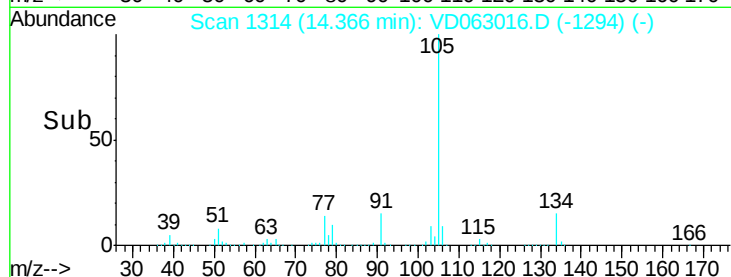
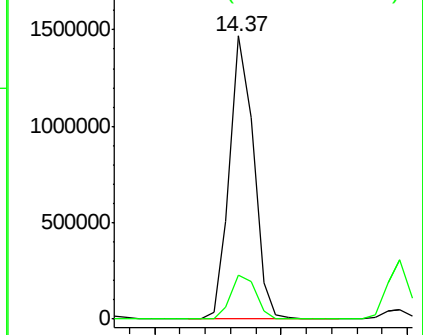
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 49.640 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD063016.D

Acq: 3 Jul 2019 10:43

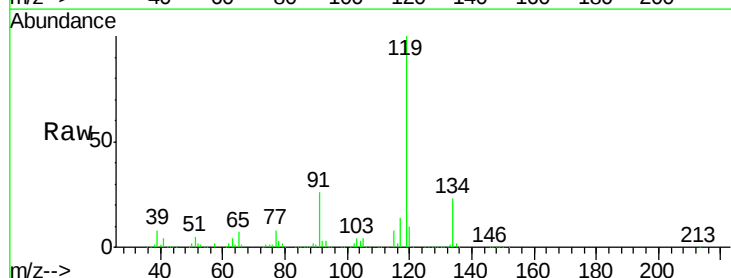
Tgt Ion:119 Resp: 1733837

Ion Ratio Lower Upper

119 100

134 22.5 11.1 33.1

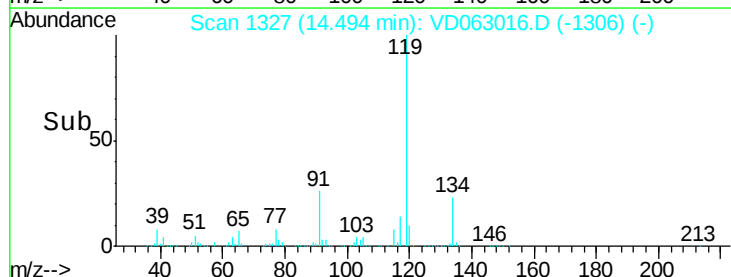
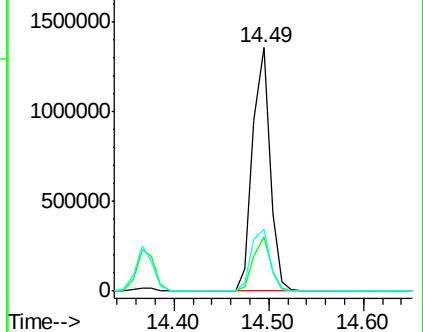
91 25.7 14.0 41.9



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





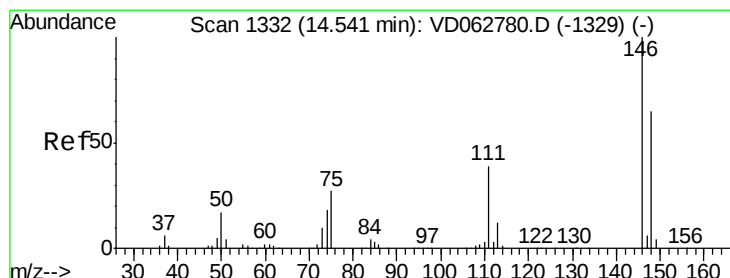
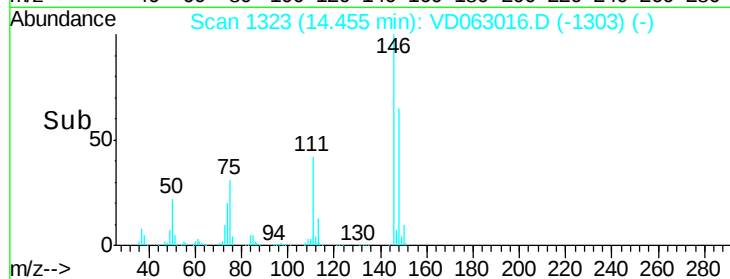
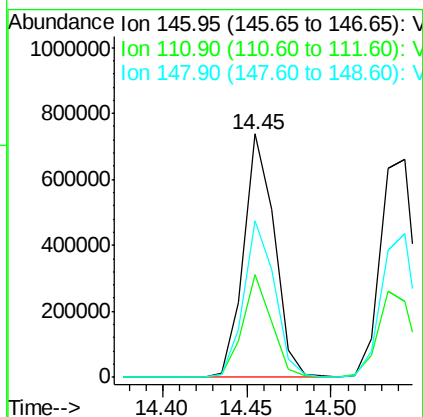
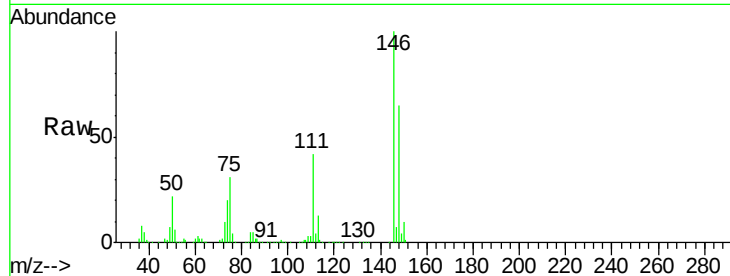
#87
 1,3-Dichlorobenzene
 Concen: 51.747 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD063016.D
 Acq: 3 Jul 2019 10:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	19.0	57.0
148	64.5	30.8	92.3

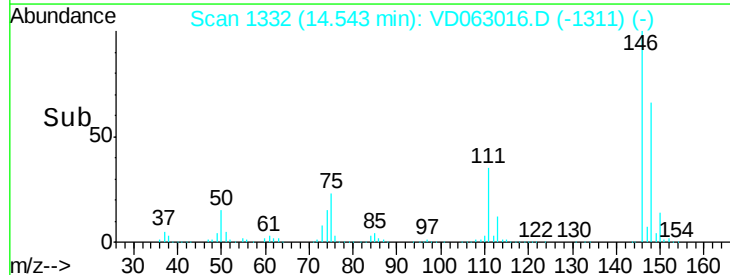
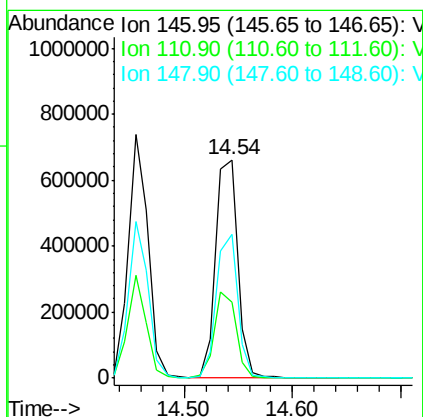
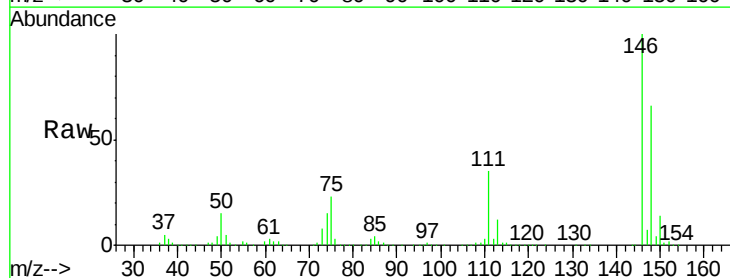
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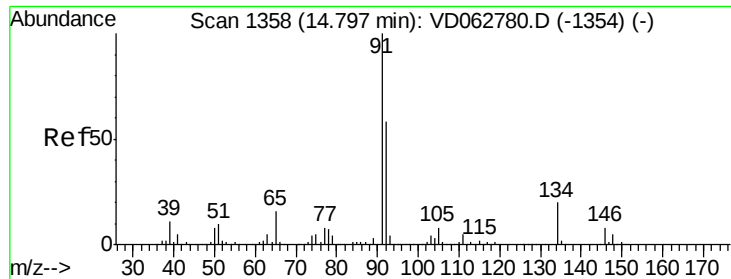
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#88
 1,4-Dichlorobenzene
 Concen: 51.929 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD063016.D
 Acq: 3 Jul 2019 10:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.9	19.7	59.1
148	66.0	32.8	98.3





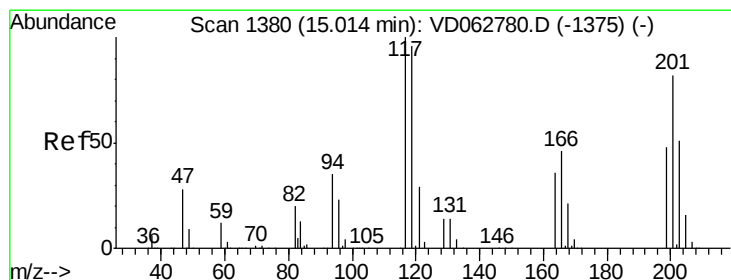
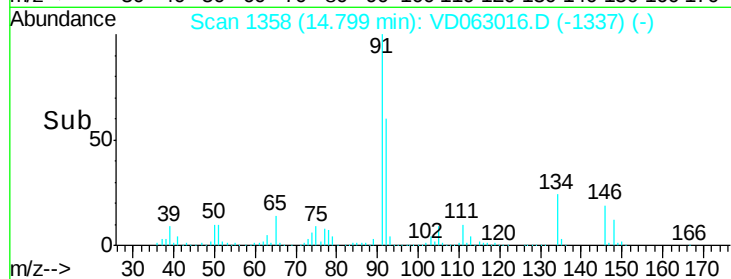
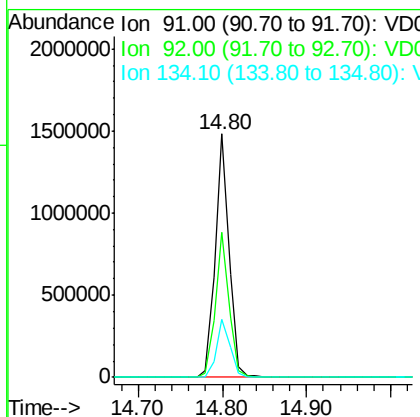
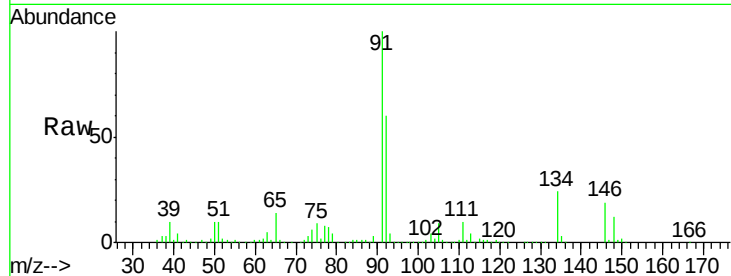
#89
n-Butylbenzene
Concen: 51.582 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD063016.D
Acq: 3 Jul 2019 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1686297
Ion Ratio Lower Upper
91 100
92 59.8 28.9 86.7
134 24.0 10.1 30.3

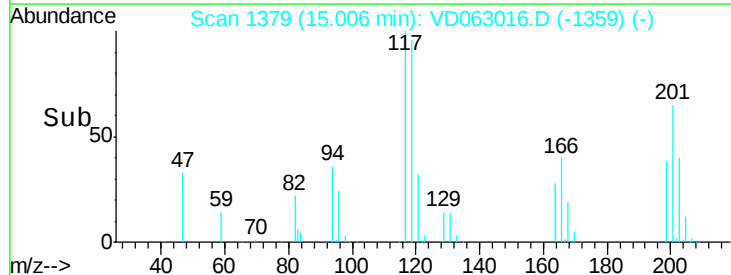
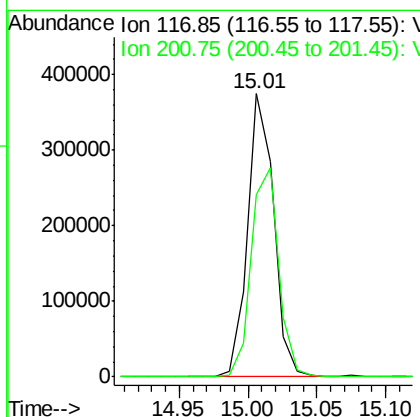
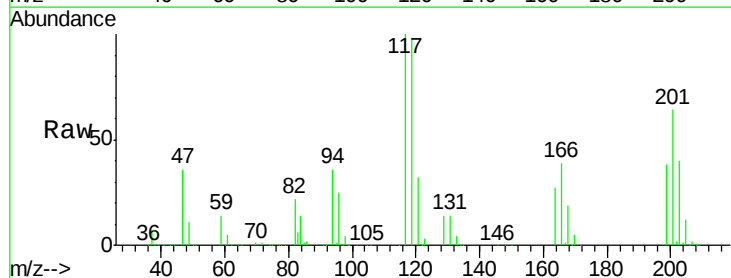
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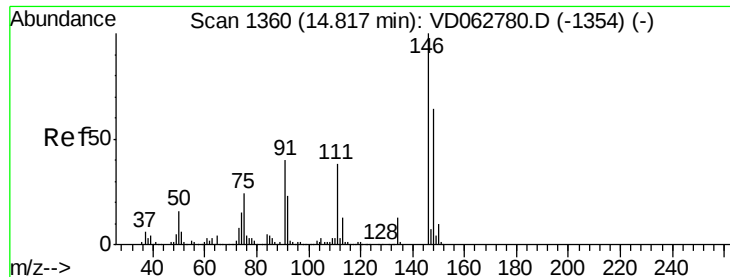
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#90
Hexachloroethane
Concen: 53.098 ug/l
RT: 15.01 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD063016.D
Acq: 3 Jul 2019 10:43

Tgt Ion: 117 Resp: 498647
Ion Ratio Lower Upper
117 100
201 64.4 40.8 122.2





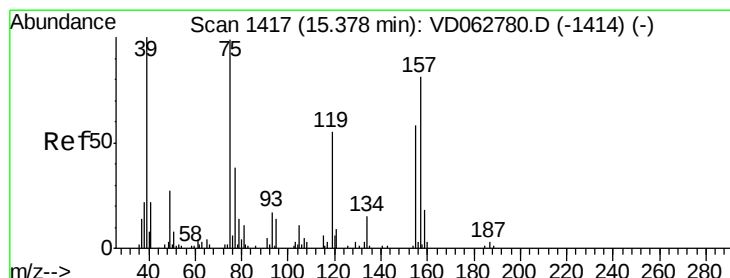
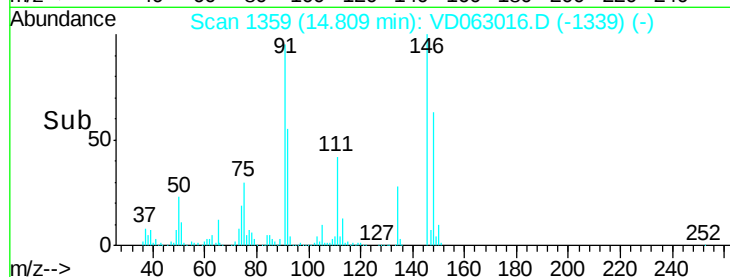
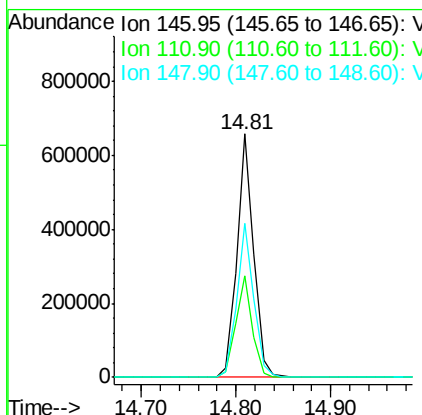
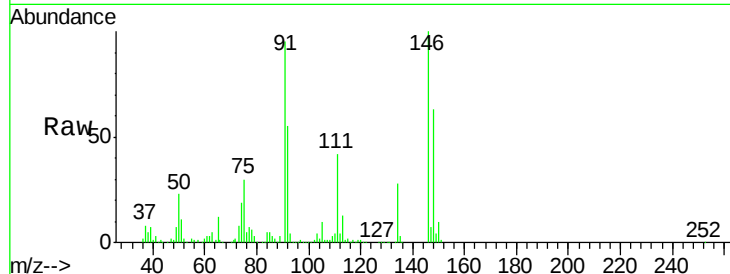
#91
 1,2-Dichlorobenzene
 Concen: 52.079 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD063016.D
 Acq: 3 Jul 2019 10:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	19.1	57.1
148	63.3	32.3	96.8

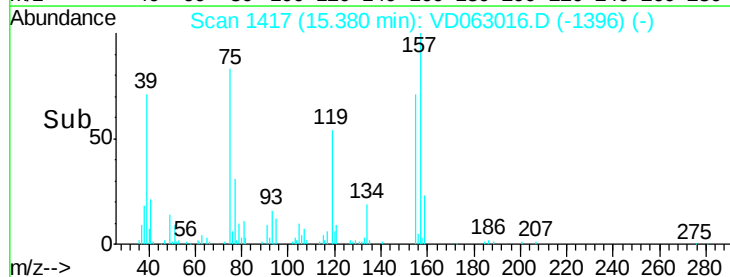
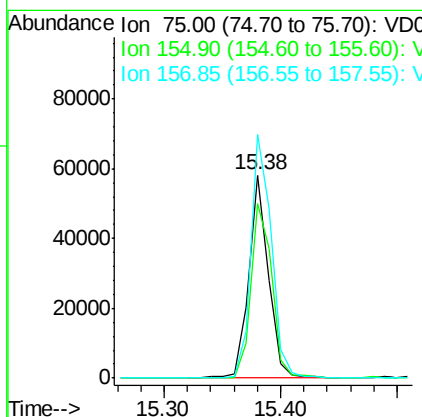
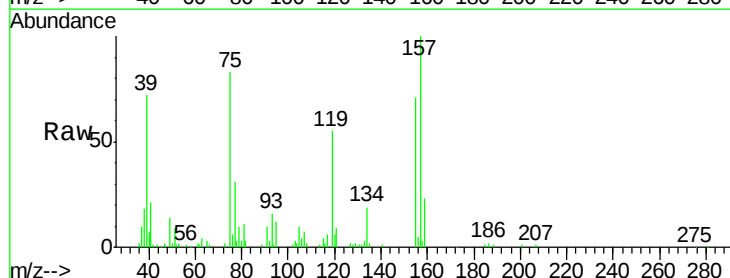
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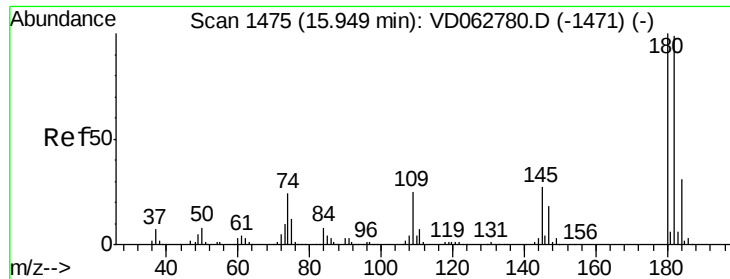
MMDadoda
 7/9/2019 8:54:06 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.676 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD063016.D
 Acq: 3 Jul 2019 10:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.6	29.3	87.8
157	119.8	41.3	123.7





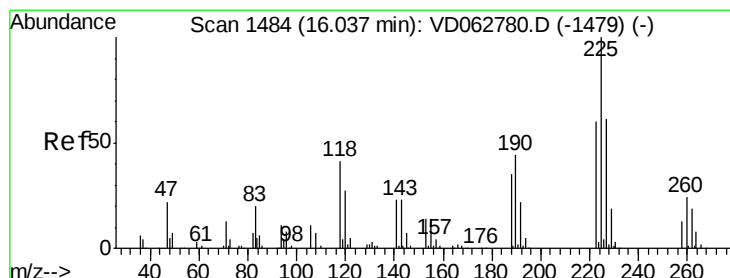
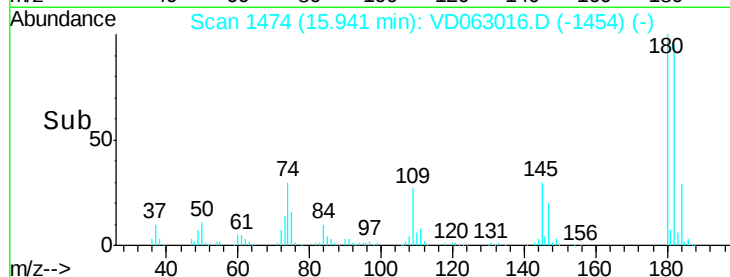
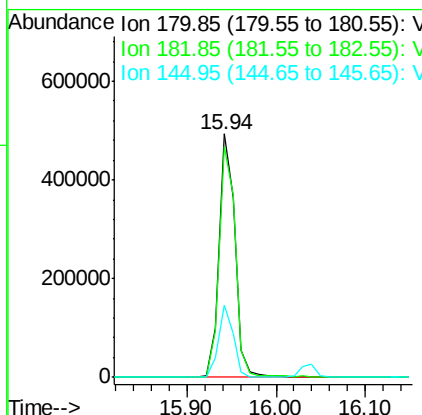
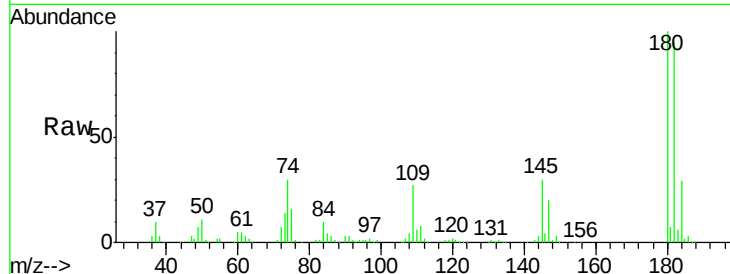
#93
 1,2,4-Trichlorobenzene
 Concen: 51.099 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063016.D
 Acq: 3 Jul 2019 10:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	49.5	148.5
145	29.8	13.7	41.0

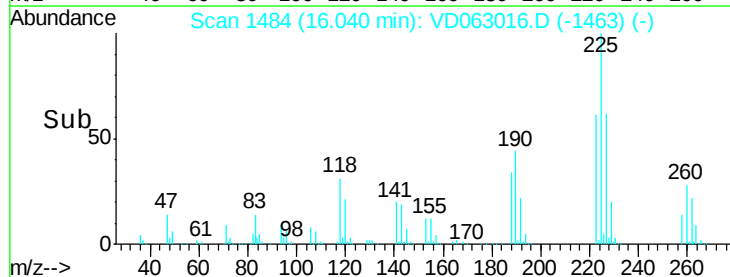
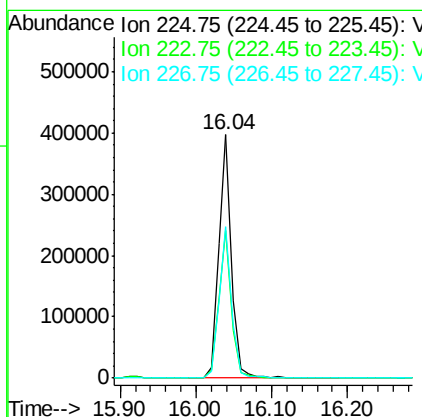
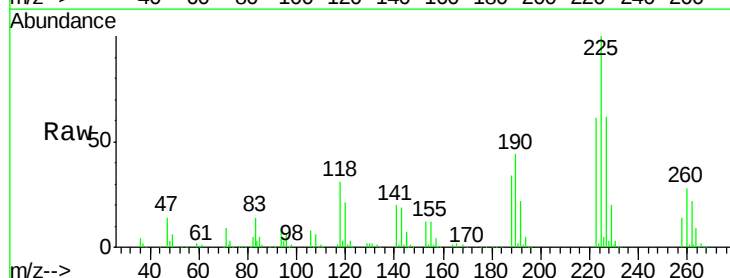
Manual Integrations
 APPROVED

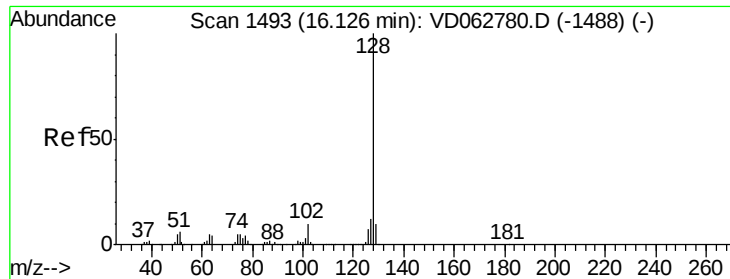
MMDadoda
 7/9/2019 8:54:06 AM



#94
 Hexachlorobutadiene
 Concen: 51.267 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD063016.D
 Acq: 3 Jul 2019 10:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.6	29.8	89.5
227	62.5	30.6	91.6





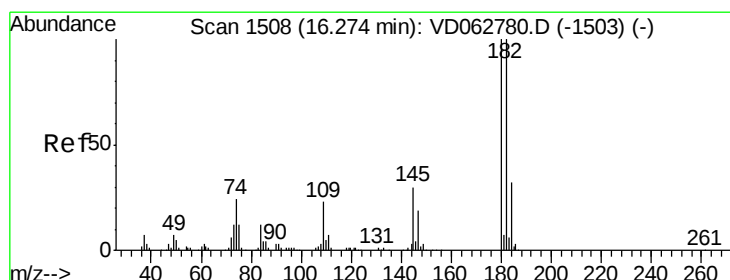
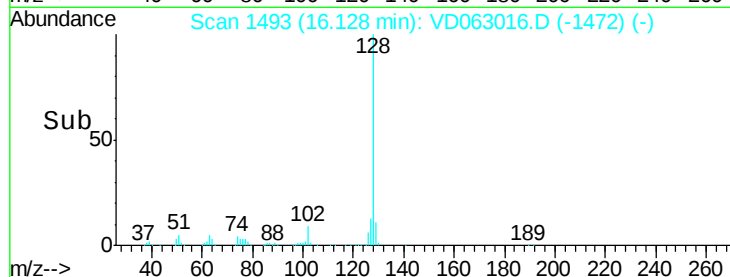
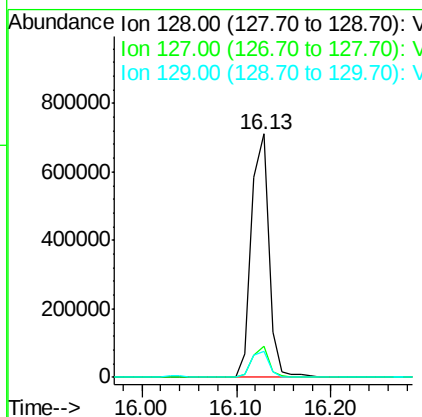
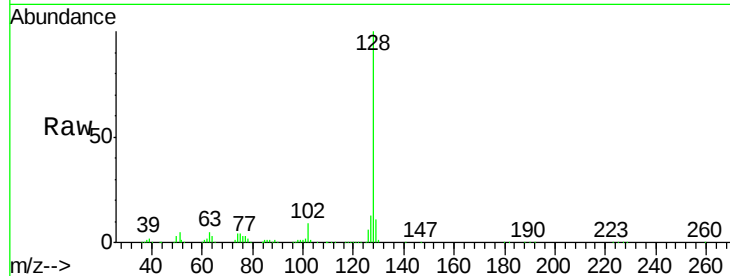
#95
Naphthalene
Concen: 53.851 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD063016.D
Acq: 3 Jul 2019 10:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	912551		
127	12.6		9.7	14.5
129	10.6		8.3	12.5

Manual Integrations
APPROVED

MMDadoda
7/9/2019 8:54:06 AM



#96
1,2,3-Trichlorobenzene
Concen: 54.306 ug/l
RT: 16.28 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD063016.D
Acq: 3 Jul 2019 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	504478		
182	100.3		49.9	149.6
145	27.7		15.2	45.5

