

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
 Data File : VD061315.D
 Acq On : 25 Mar 2019 23:12
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 11:59:40 AM

Quant Time: Mar 26 08:06:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 03:31:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	734210	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1239548	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	988956	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	429191	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	313538	49.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.00%	
35) Dibromofluoromethane	6.94	113	494547	52.14	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.28%	
50) Toluene-d8	10.41	98	1187088	51.62	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.24%	
62) 4-Bromofluorobenzene	13.55	95	467803	52.14	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	372209	49.584	ug/l	100
3) Chloromethane	1.77	50	286270	48.886	ug/l	99
4) Vinyl Chloride	1.87	62	273782	50.003	ug/l	99
5) Bromomethane	2.16	94	57111	51.391	ug/l	91
6) Chloroethane	2.28	64	101465	58.905	ug/l	100
7) Trichlorofluoromethane	2.55	101	379636	46.908	ug/l	99
8) Diethyl Ether	2.88	74	146885	61.039	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.17	101	420577	51.055	ug/l	97
10) Methyl Iodide	3.33	142	684576	59.484	ug/l	97
11) Tert butyl alcohol	4.07	59	95939	284.511	ug/l #	94
12) 1,1-Dichloroethene	3.15	96	368894	52.043	ug/l	99
13) Acrolein	3.05	56	63273	171.423	ug/l	92
14) Allyl chloride	3.64	41	543831	54.084	ug/l	98
15) Acrylonitrile	4.21	53	324854	273.932	ug/l	98
16) Acetone	3.23	43	367119	242.293	ug/l	98
17) Carbon Disulfide	3.39	76	1242778	52.792	ug/l	99
18) Methyl Acetate	3.65	43	155467	54.283	ug/l	100
19) Methyl tert-butyl Ether	4.26	73	697554	55.879	ug/l	100
20) Methylene Chloride	3.83	84	458787	53.349	ug/l	98
21) trans-1,2-Dichloroethene	4.24	96	405181	51.096	ug/l	96
22) Diisopropyl ether	5.13	45	1173618	55.406	ug/l	90
23) Vinyl Acetate	5.07	43	3310256	292.598	ug/l	99
24) 1,1-Dichloroethane	5.01	63	674529	54.645	ug/l	100
25) 2-Butanone	6.08	43	501803	286.331	ug/l	98
26) 2,2-Dichloropropane	6.03	77	528751	50.447	ug/l	95
27) cis-1,2-Dichloroethene	6.05	96	489004	57.304	ug/l	100
28) Bromochloromethane	6.45	49	281706	54.524	ug/l	98
29) Tetrahydrofuran	6.47	42	266602	305.624	ug/l	99
30) Chloroform	6.68	83	724391	55.070	ug/l	98
31) Cyclohexane	6.97	56	517104	51.614	ug/l	100
32) 1,1,1-Trichloroethane	6.88	97	590122	50.655	ug/l	97
36) 1,1-Dichloropropene	7.16	75	496951	49.002	ug/l	98
37) Ethyl Acetate	6.19	43	241603	57.037	ug/l	95
38) Carbon Tetrachloride	7.13	117	555050m	47.886	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	558947	53.216	ug/l	96
40) Benzene	7.47	78	1309994	52.011	ug/l	100
41) Methacrylonitrile	6.45	41	289717	58.858	ug/l #	90
42) 1,2-Dichloroethane	7.59	62	429275	54.687	ug/l	96
43) Isopropyl Acetate	9.24	43	363204	59.467	ug/l #	98
44) Trichloroethene	8.55	130	509722	55.958	ug/l	97
45) 1,2-Dichloropropane	8.95	63	346204	55.692	ug/l	100
46) Dibromomethane	9.06	93	233443	54.785	ug/l	99
47) Bromodichloromethane	9.38	83	543867	54.455	ug/l	99
48) Methyl methacrylate	9.12	41	195484	59.966	ug/l	96
49) 1,4-Dioxane	9.08	88	42486	1187.836	ug/l	98
51) 4-Methyl-2-Pentanone	10.31	43	1023695	281.554	ug/l	97
52) Toluene	10.51	92	846340	54.917	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	494970	57.027	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	587419	55.424	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	286095	55.916	ug/l	98
56) Ethyl methacrylate	11.04	69	311306	57.018	ug/l	97
57) 1,3-Dichloropropane	11.41	76	435311	56.335	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	697174	245.452	ug/l	99
59) 2-Hexanone	11.54	43	787343	298.157	ug/l	98
60) Dibromochloromethane	11.68	129	450721	56.244	ug/l	96
61) 1,2-Dibromoethane	11.81	107	345667	57.821	ug/l	99
64) Tetrachloroethene	11.26	164	375173	55.070	ug/l	95
65) Chlorobenzene	12.40	112	962676	52.849	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	395020	55.934	ug/l	99
67) Ethyl Benzene	12.52	91	1525661	54.728	ug/l	98
68) m/p-Xylenes	12.67	106	1132360	104.059	ug/l	97
69) o-Xylene	13.05	106	574608	56.934	ug/l	99
70) Styrene	13.07	104	988808	57.729	ug/l	98
71) Bromoform	13.24	173	259993	60.160	ug/l	97
73) Isopropylbenzene	13.41	105	1438482	51.530	ug/l	100
74) N-amyl acetate	13.27	43	396105	54.235	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	312196	57.671	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	307271	57.568	ug/l	98
77) Bromobenzene	13.67	156	416158	53.370	ug/l	97
78) n-propylbenzene	13.77	91	1672308	53.098	ug/l	100
79) 2-Chlorotoluene	13.84	91	911491	49.707	ug/l	96
80) 1,3,5-Trimethylbenzene	14.23	105	1236493	56.148	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	97778	58.047	ug/l	97
82) 4-Chlorotoluene	13.95	91	1118798	55.809	ug/l	99
83) tert-Butylbenzene	14.19	119	1405000	55.878	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	1236493	56.148	ug/l	96
85) sec-Butylbenzene	14.37	105	1481693	52.913	ug/l	100
86) p-Isopropyltoluene	14.49	119	1301695	52.104	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	723252	52.328	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	734919	54.891	ug/l	99
89) n-Butylbenzene	14.79	91	1096979	49.458	ug/l	99
90) Hexachloroethane	15.01	117	349357	52.157	ug/l	94
91) 1,2-Dichlorobenzene	14.81	146	571588	51.828	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	39142	57.864	ug/l	96

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ClientSampleId :
VSTDCCC050

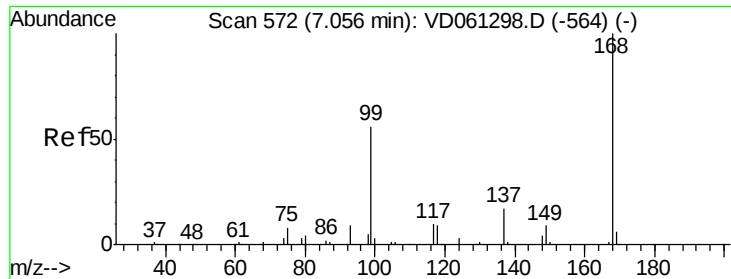
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	285541	56.061	ug/l	99
94) Hexachlorobutadiene	16.03	225	230034	56.050	ug/l	98
95) Naphthalene	16.12	128	473621	63.728	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	135078	56.781	ug/l	99

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



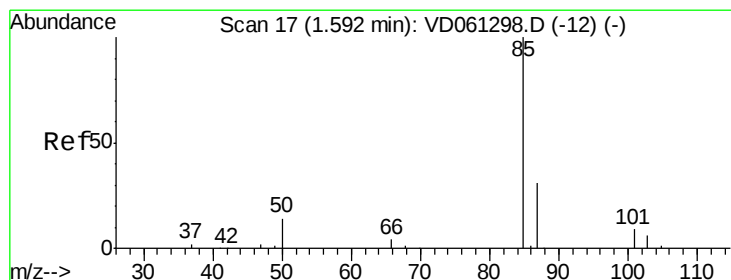
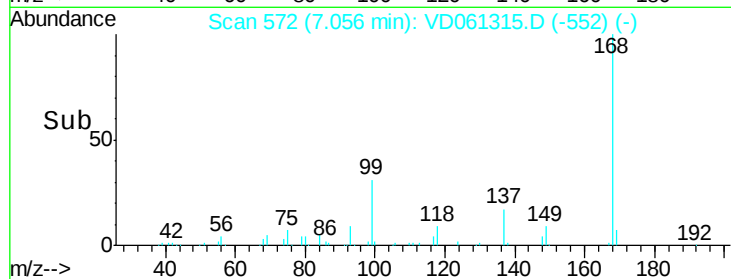
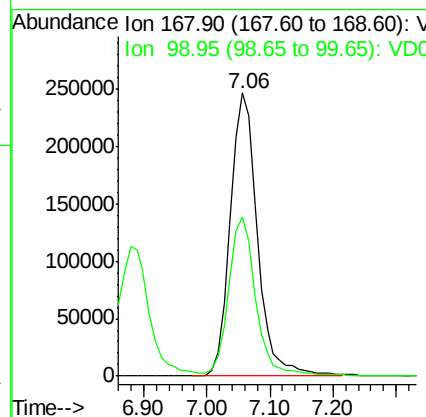
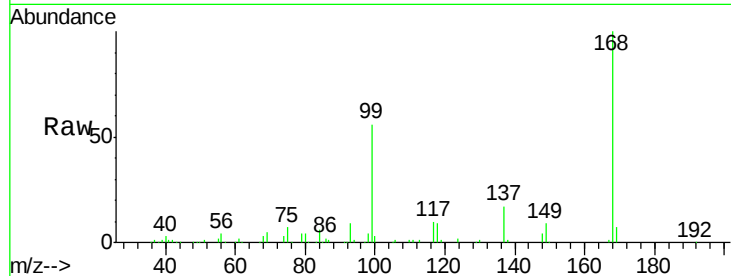
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

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MSVOA_D
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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	56.4	45.8	68.8

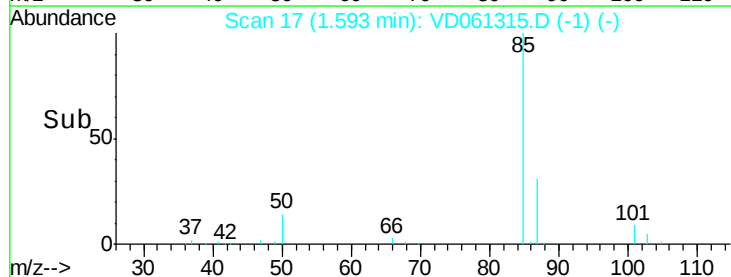
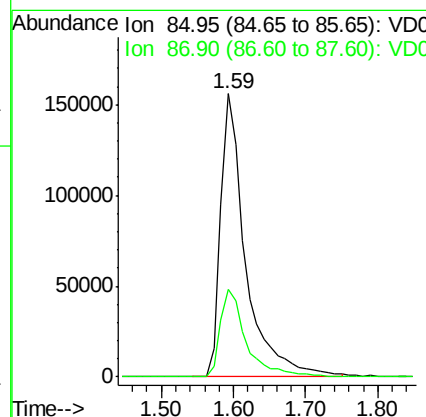
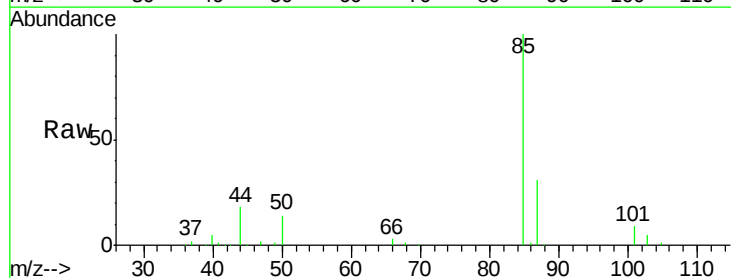
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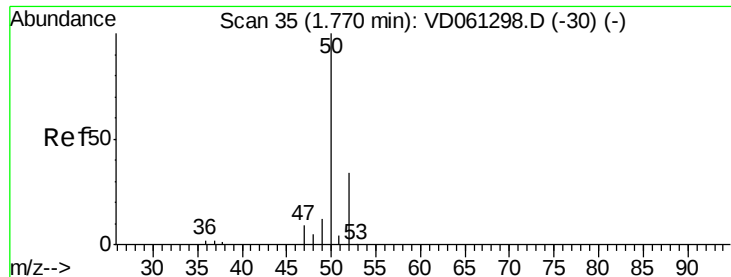
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#2
Dichlorodifluoromethane
Concen: 49.584 ug/l
RT: 1.59 min Scan# 17
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Tgt Ion	Ratio	Lower	Upper
85	100		
87	30.9	15.4	46.4





#3

Chloromethane

Concen: 48.886 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 286270

Ion Ratio Lower Upper

50 100

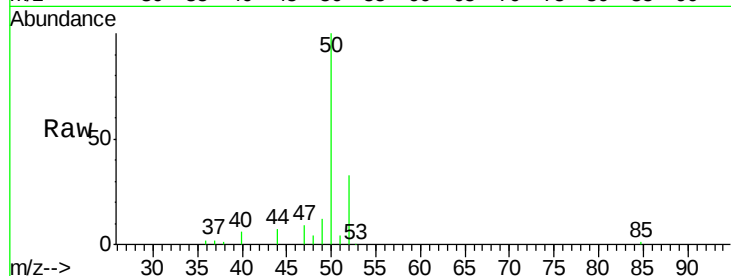
52 33.4 27.1 40.7

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.77

80000

60000

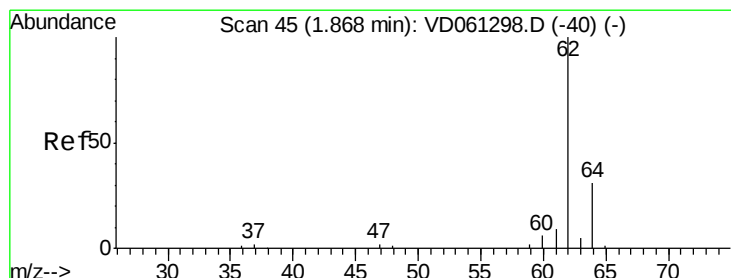
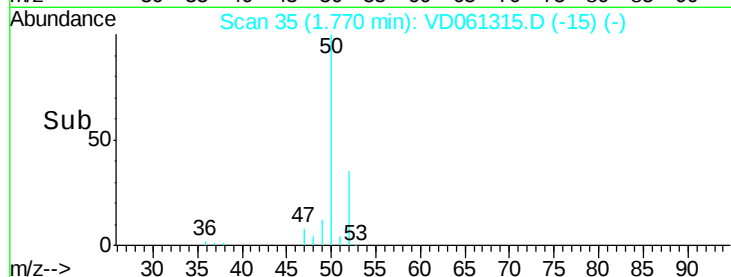
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20000

0

1.70 1.80 1.90 2.00

Time-->



#4

Vinyl Chloride

Concen: 50.003 ug/l

RT: 1.87 min Scan# 45

Delta R.T. 0.00 min

Lab File: VD061315.D

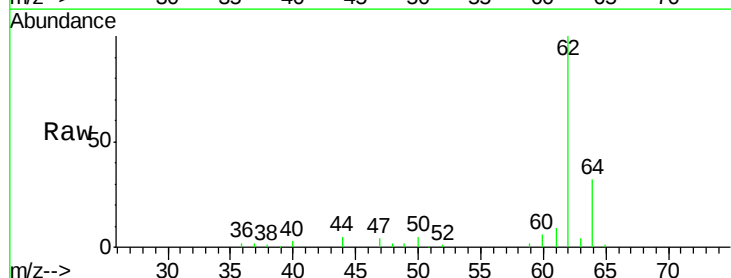
Acq: 25 Mar 2019 23:12

Tgt Ion: 62 Resp: 273782

Ion Ratio Lower Upper

62 100

64 31.7 25.1 37.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.87

150000

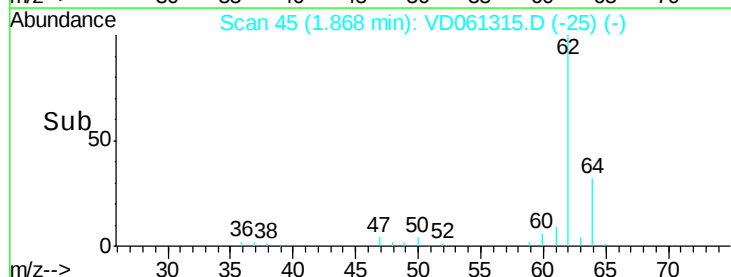
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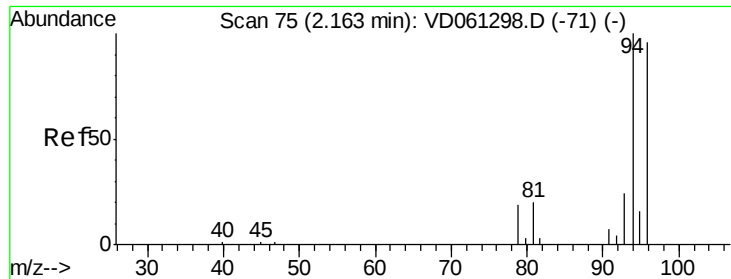
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1.80 1.90 2.00 2.10

Time-->





#5

Bromomethane

Concen: 51.391 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Instrument :

MSVOA_D

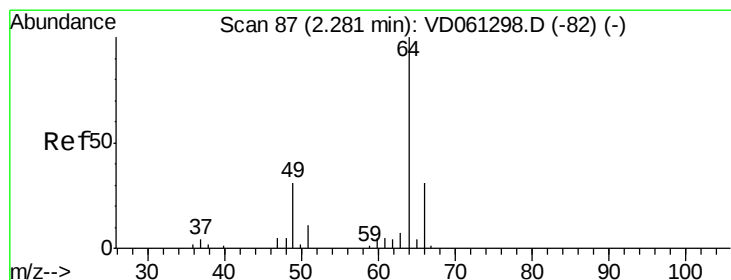
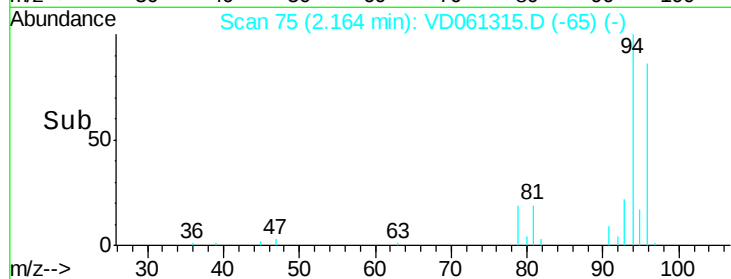
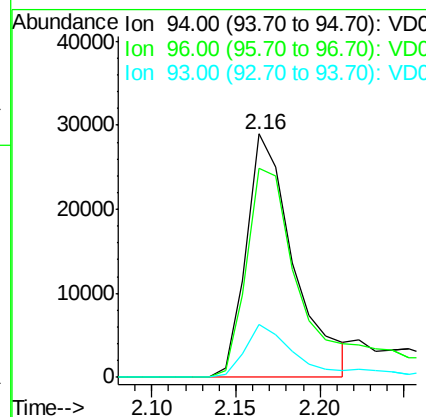
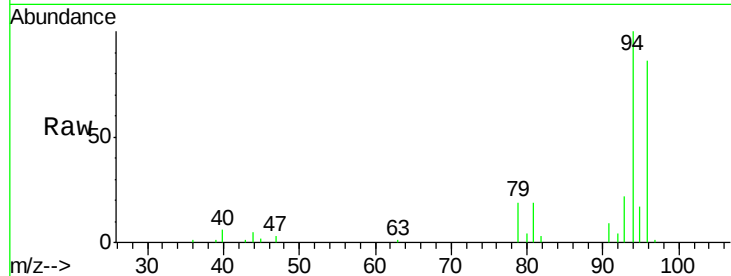
ClientSampleId :

VSTDCCC050

Tot Ion:	94	Resp:	57111
Ion	Ratio	Lower	Upper
94	100		
96	85.8	76.9	115.3
93	21.7	18.8	28.2

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#6

Chloroethane

Concen: 58.905 ug/l

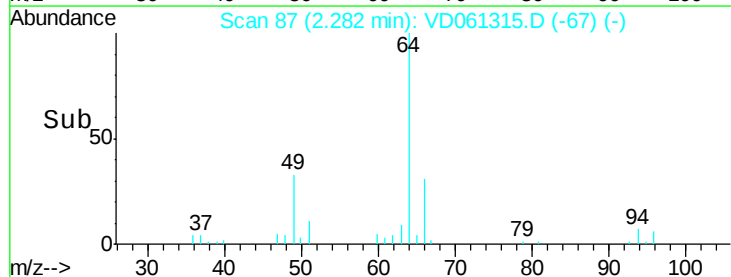
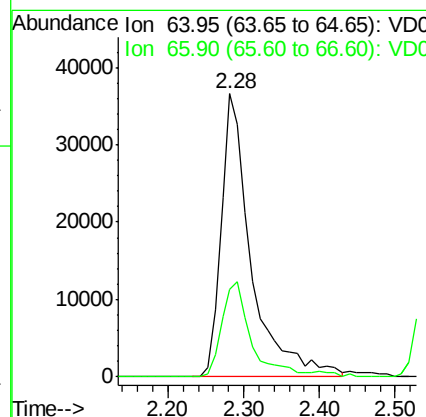
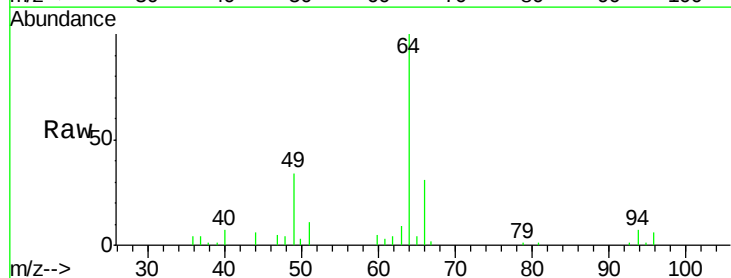
RT: 2.28 min Scan# 87

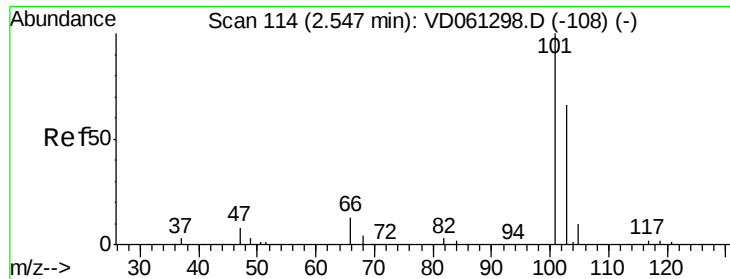
Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Tgt Ion:	64	Resp:	101465
Ion	Ratio	Lower	Upper
64	100		
66	30.8	24.6	36.8





#7

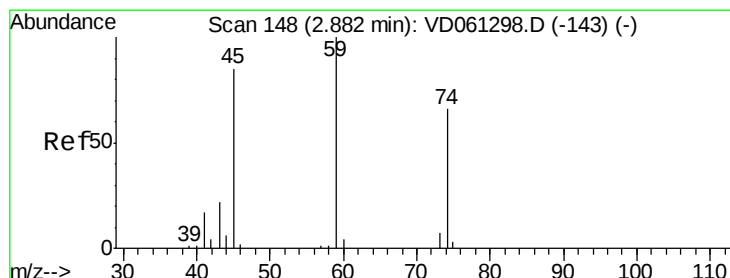
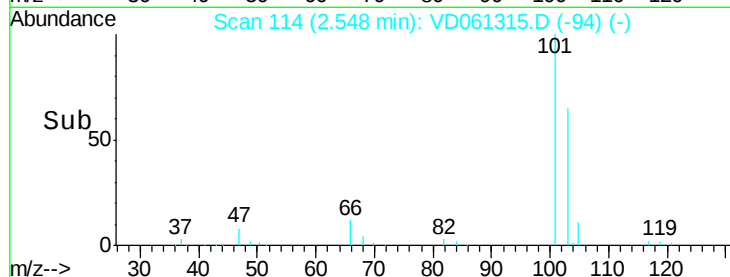
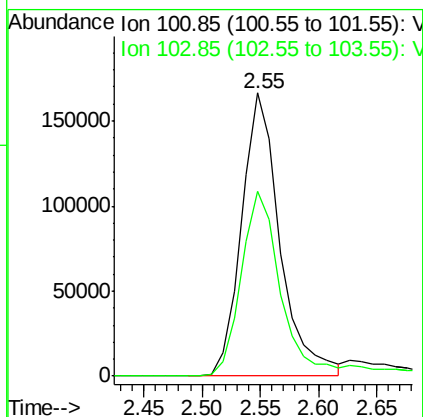
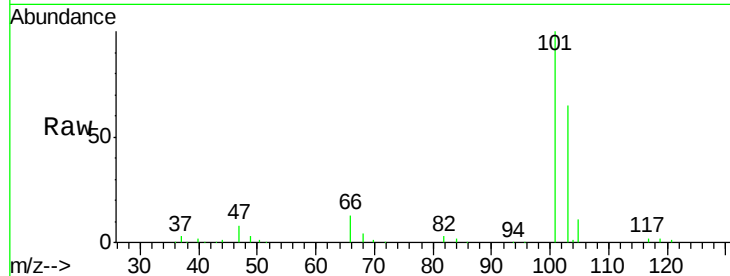
Trichlorofluoromethane
Concen: 46.908 ug/l
RT: 2.55 min Scan# 114
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.6	79.0

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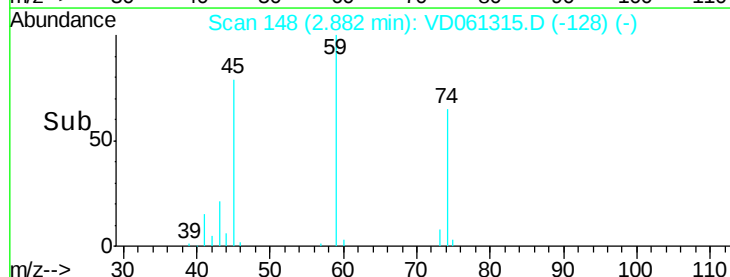
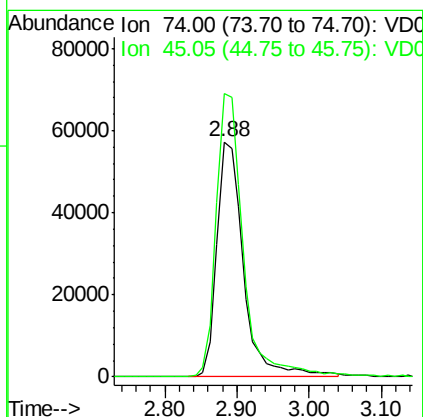
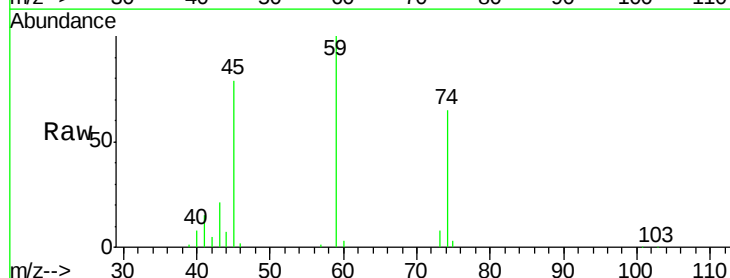
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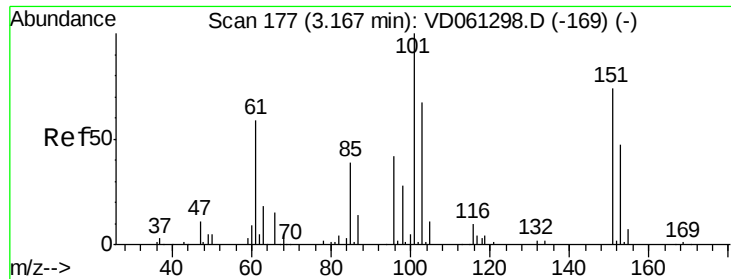


#8

Diethyl Ether
Concen: 61.039 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	120.6	64.3	192.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.055 ug/l

RT: 3.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Instrument :

MSVOA_D

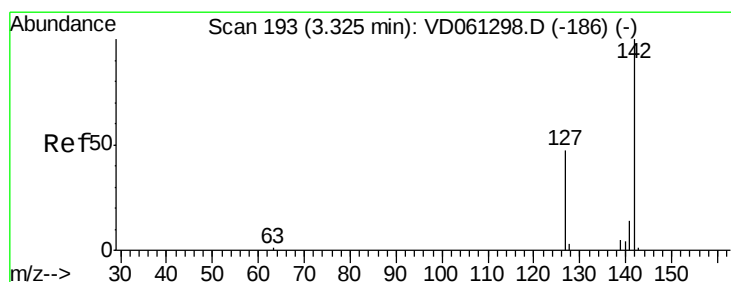
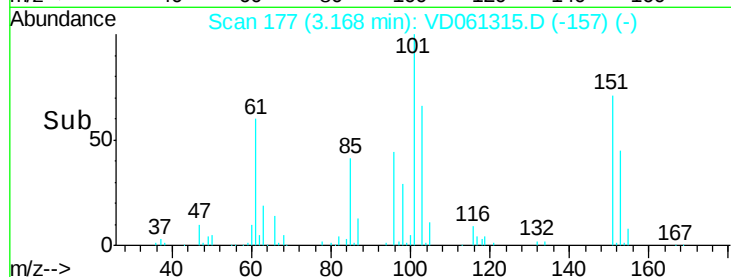
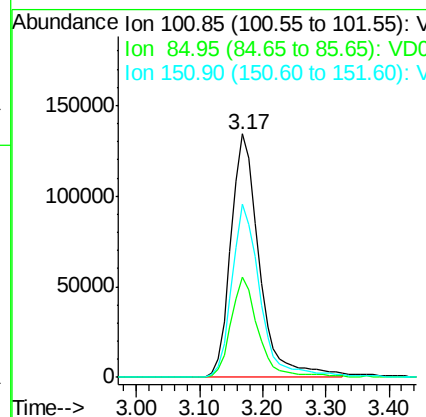
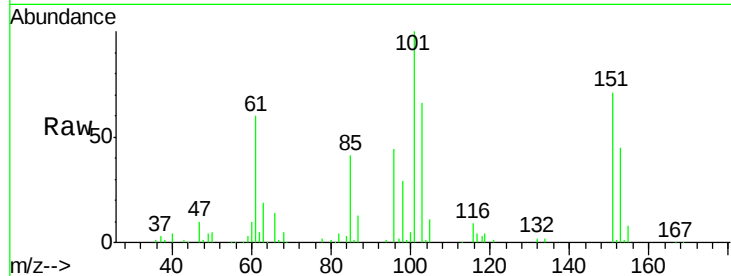
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	420577
Ion Ratio	Lower	Upper	
101	100		
85	41.0	31.6	47.4
151	71.0	59.3	88.9

Manual Integrations
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#10

Methyl Iodide

Concen: 59.484 ug/l

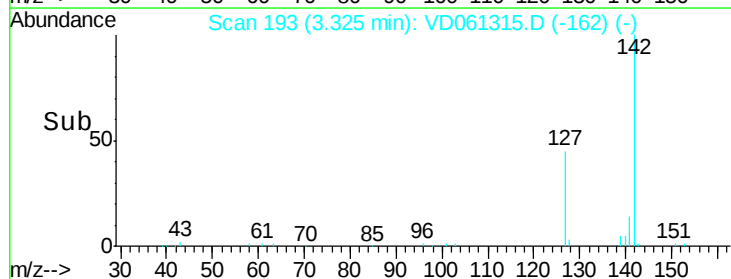
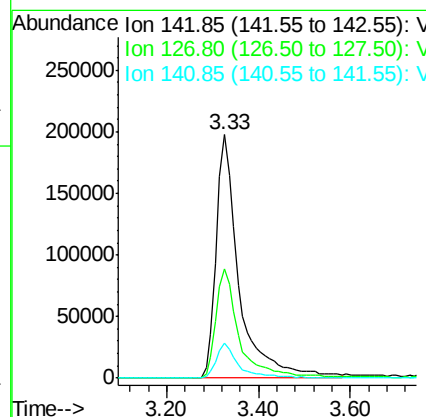
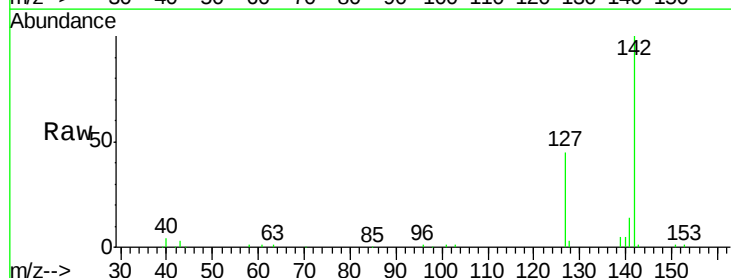
RT: 3.33 min Scan# 193

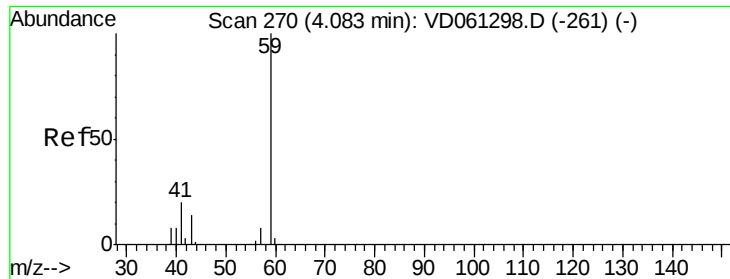
Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Tgt Ion:	142	Resp:	684576
Ion Ratio	Lower	Upper	
142	100		
127	45.0	37.8	56.6
141	14.4	11.6	17.4





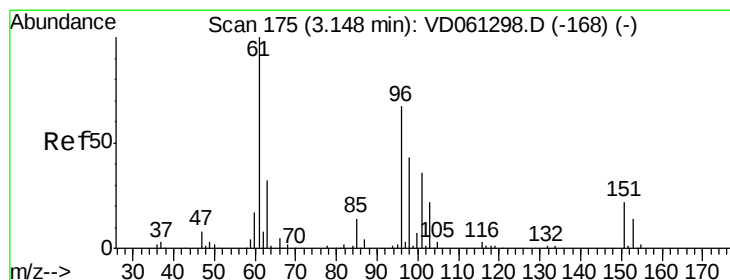
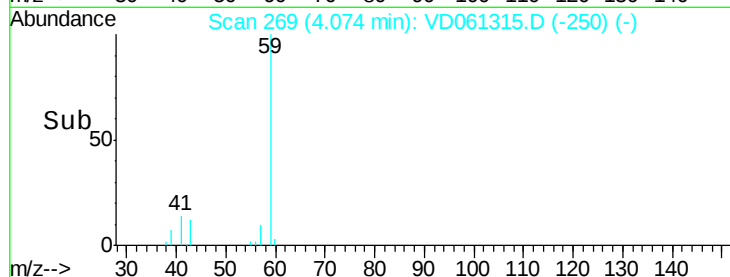
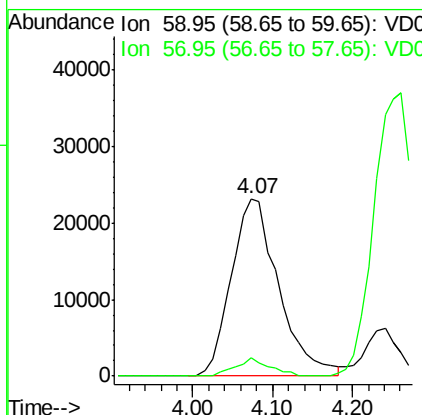
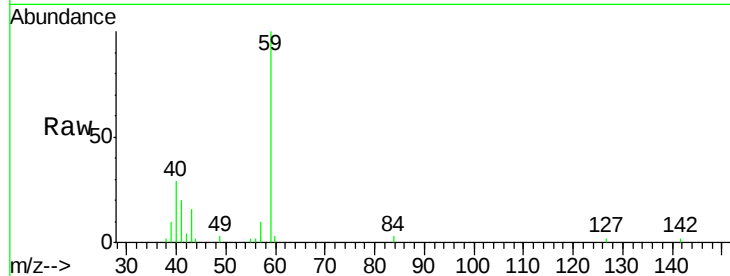
#11
Tert butyl alcohol
Concen: 284.511 ug/l
RT: 4.07 min Scan# 269
Delta R.T. -0.01 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 95939
Ion Ratio Lower Upper
59 100
57 10.4 6.6 9.8#

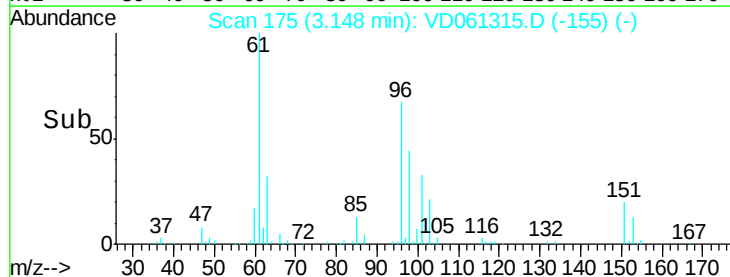
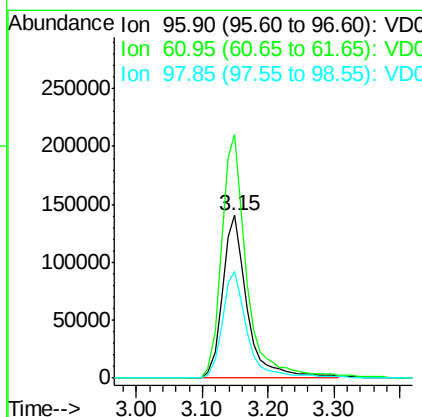
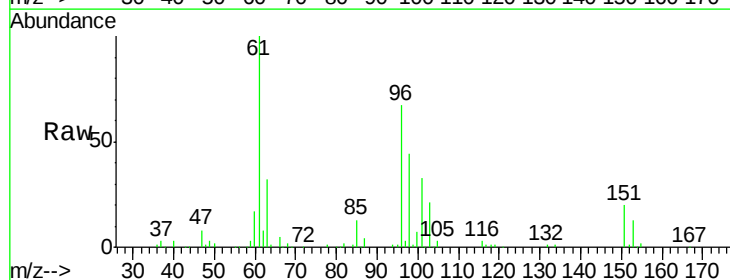
Manual Integrations
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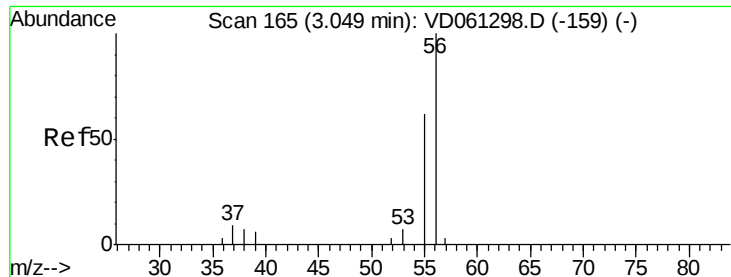
MMDadoda
3/26/2019 11:59:40 AM



#12
1,1-Dichloroethene
Concen: 52.043 ug/l
RT: 3.15 min Scan# 175
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Tgt Ion: 96 Resp: 368894
Ion Ratio Lower Upper
96 100
61 149.5 120.2 180.2
98 65.8 52.2 78.4





#13

Acrolein

Concen: 171.423 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 63273

Ion Ratio Lower Upper

56 100

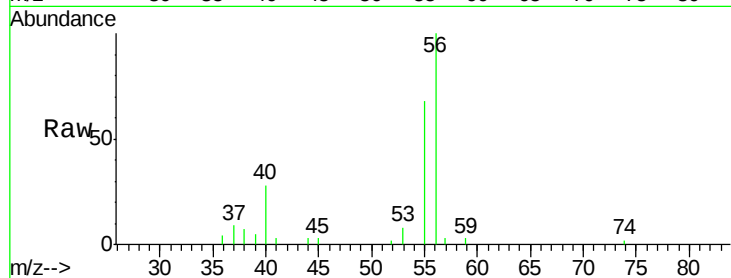
55 68.3 49.8 74.6

Manual Integrations

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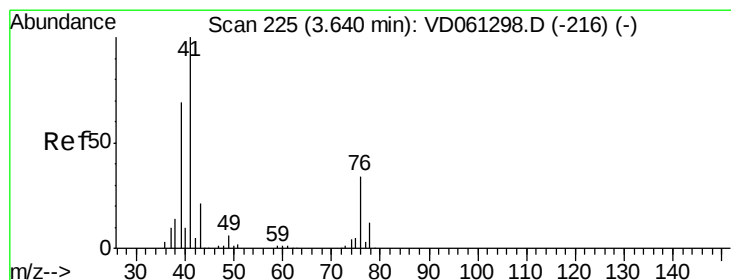
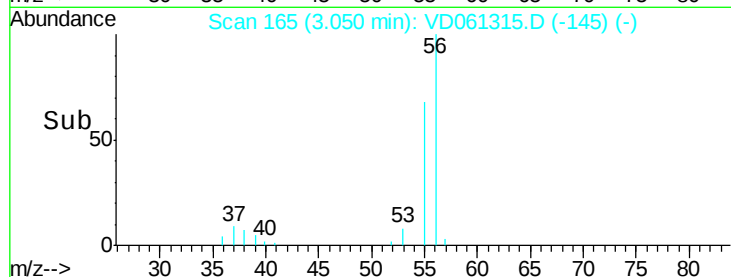
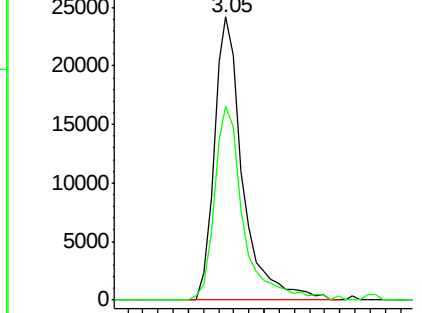
MMDadoda

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 54.084 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

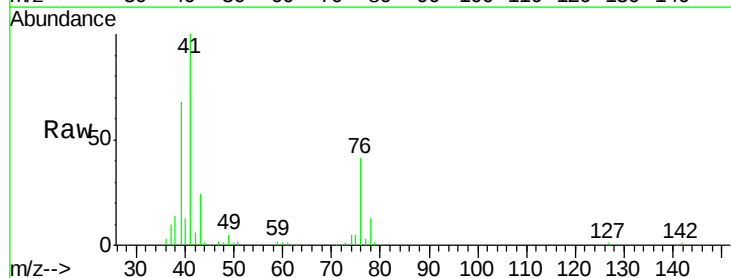
Tgt Ion: 41 Resp: 543831

Ion Ratio Lower Upper

41 100

39 68.0 55.1 82.7

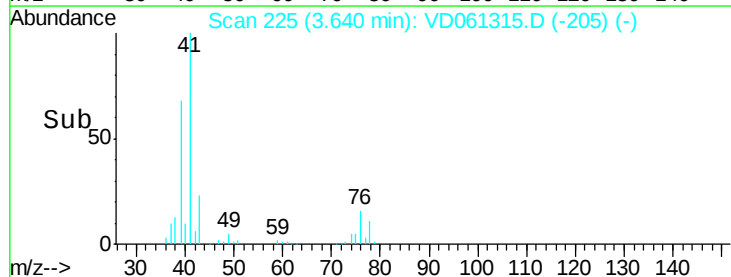
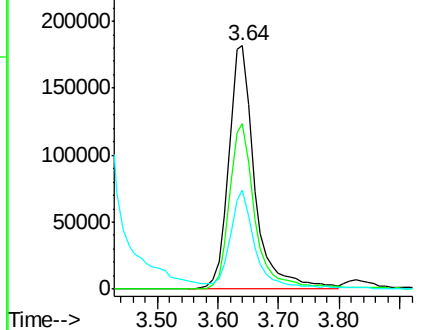
76 40.6 30.2 45.2

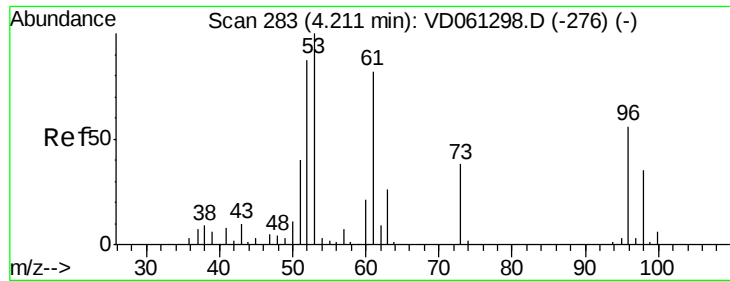


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 273.932 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Instrument :

MSVOA_D

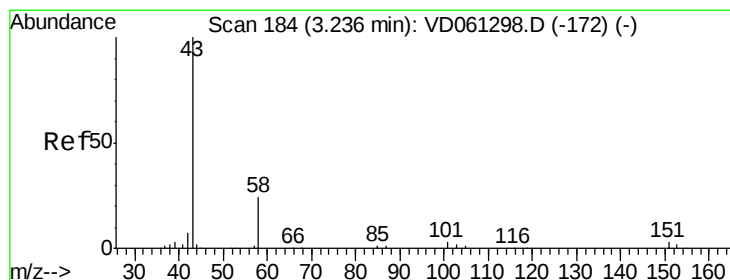
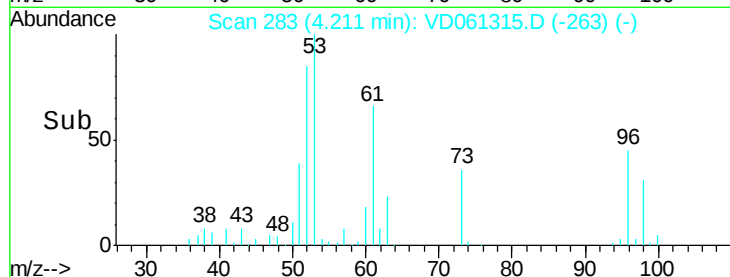
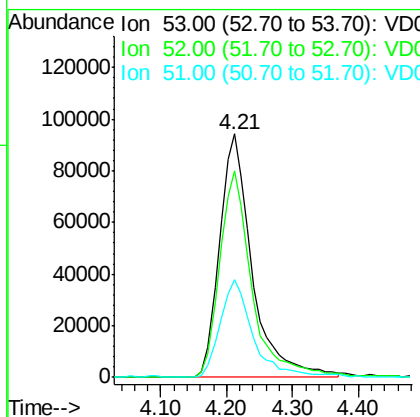
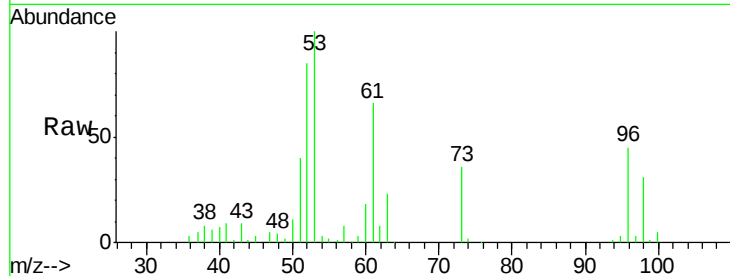
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	324854
Ion	Ratio	Lower	Upper
53	100		
52	85.1	69.4	104.2
51	40.0	31.7	47.5

Manual Integrations
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#16

Acetone

Concen: 242.293 ug/l

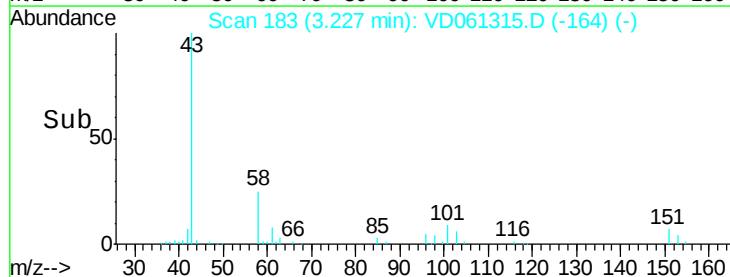
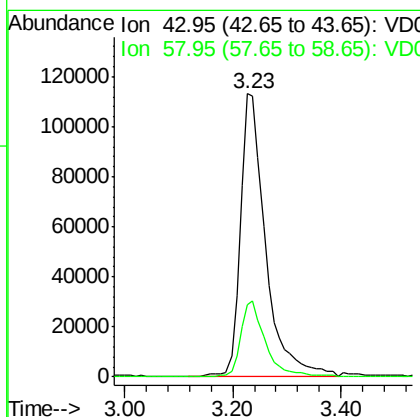
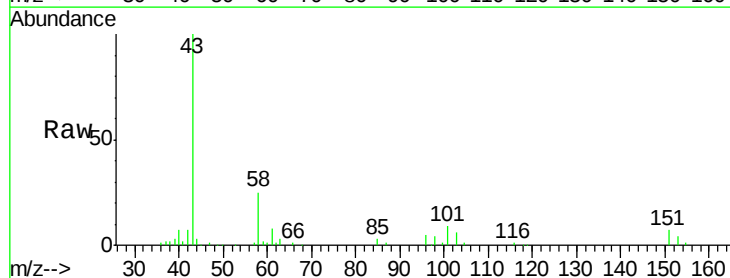
RT: 3.23 min Scan# 183

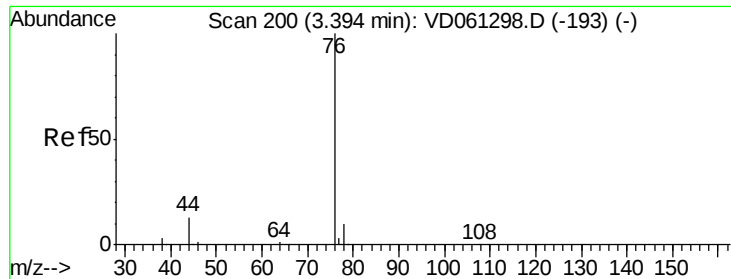
Delta R.T. -0.01 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Tgt Ion:	43	Resp:	367119
Ion	Ratio	Lower	Upper
43	100		
58	25.4	19.4	29.0





#17

Carbon Disulfide

Concen: 52.792 ug/l

RT: 3.39 min Scan# 200

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 1242778

Ion Ratio Lower Upper

76 100

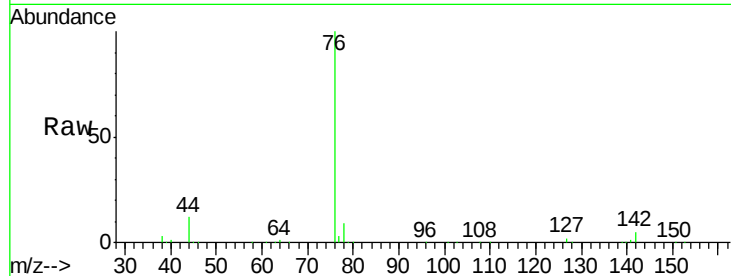
78 9.2 7.8 11.6

Manual Integrations

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.39

400000

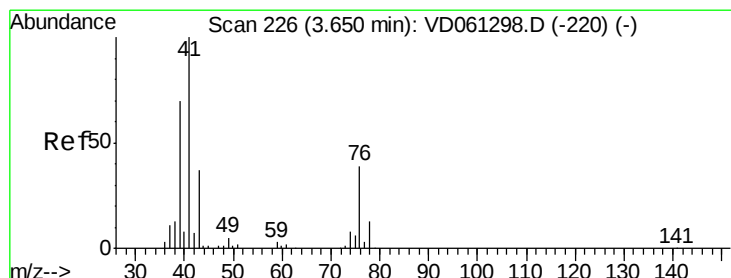
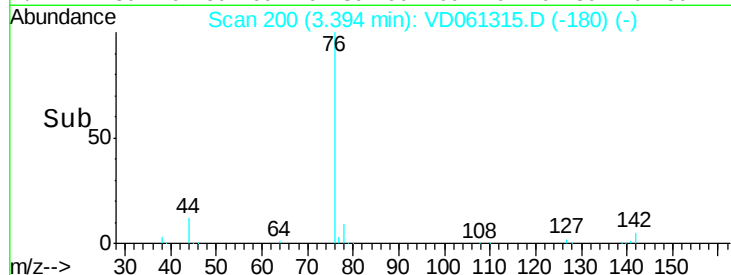
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 54.283 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.00 min

Lab File: VD061315.D

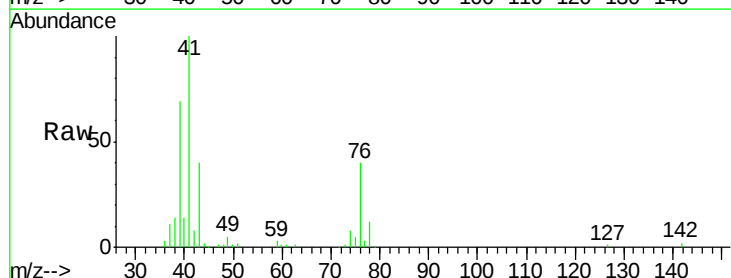
Acq: 25 Mar 2019 23:12

Tgt Ion: 43 Resp: 155467

Ion Ratio Lower Upper

43 100

74 20.7 16.6 25.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.65

60000

50000

40000

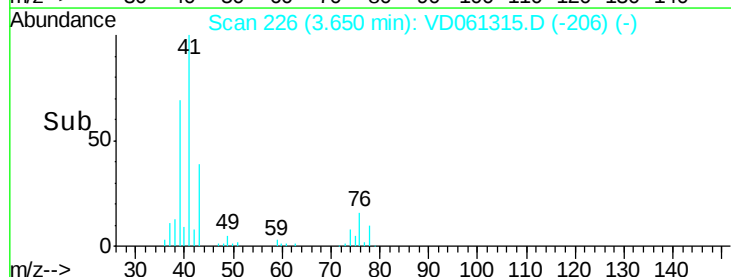
30000

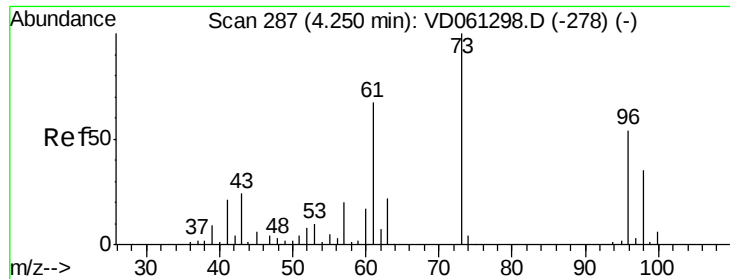
20000

10000

0

Time-->





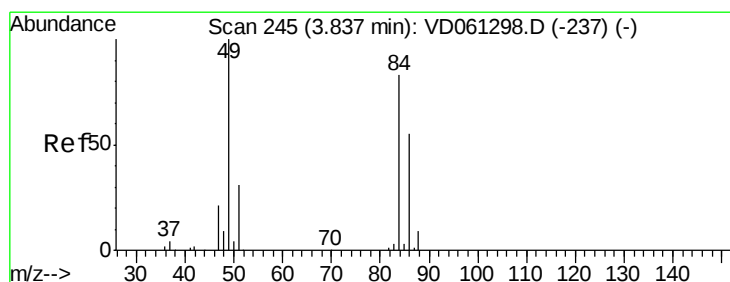
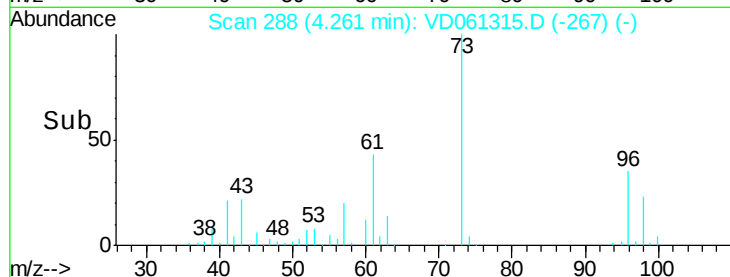
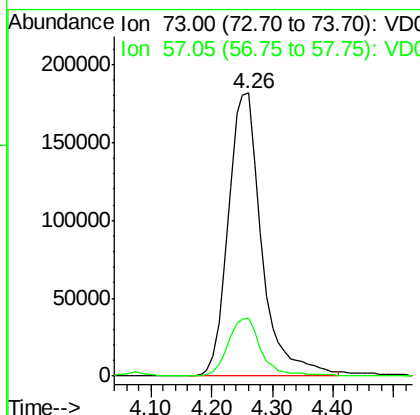
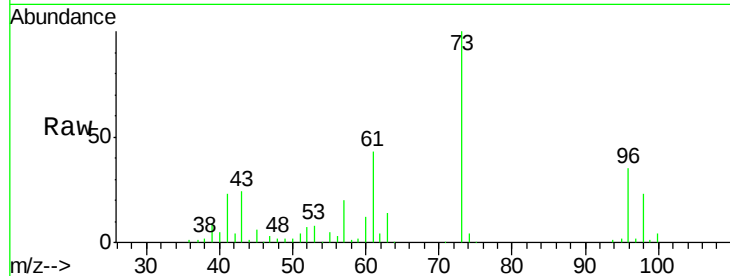
#19
Methvl tert-butvl Ether
Concen: 55.879 ug/l
RT: 4.26 min Scan# 288
Delta R.T. 0.01 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 697554
Ion Ratio Lower Upper
73 100
57 20.4 16.3 24.5

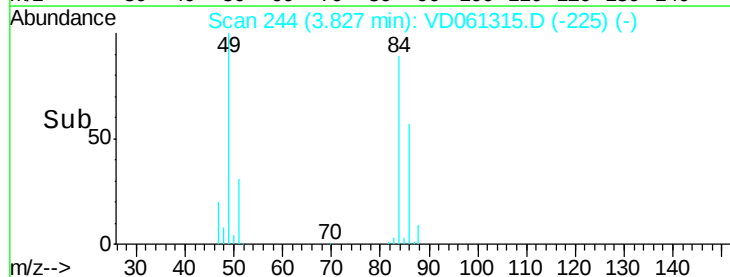
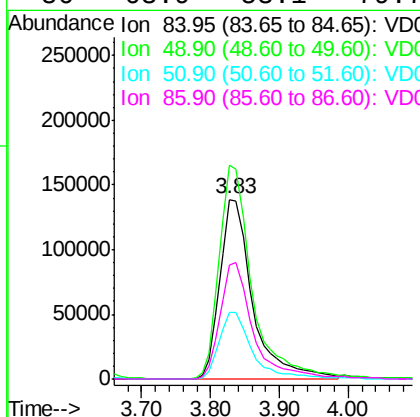
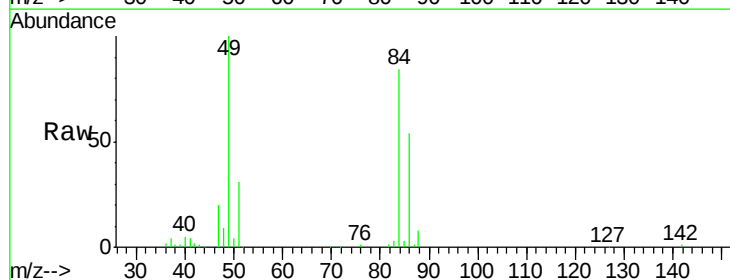
Manual Integrations
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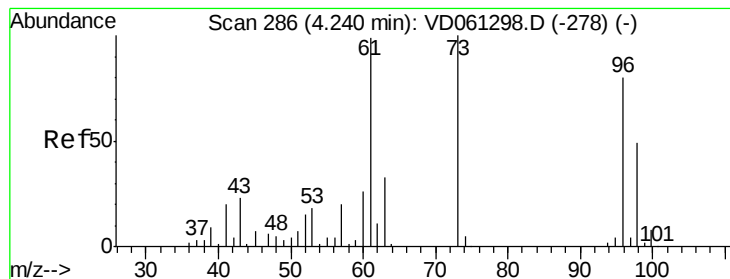
MMDadoda
3/26/2019 11:59:40 AM



#20
Methylene Chloride
Concen: 53.349 ug/l
RT: 3.83 min Scan# 244
Delta R.T. -0.01 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Tgt Ion: 84 Resp: 458787
Ion Ratio Lower Upper
84 100
49 119.2 96.8 145.2
51 36.8 29.9 44.9
86 63.9 53.1 79.7





#21

trans-1,2-Dichloroethene

Concen: 51.096 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 405181

Ion Ratio Lower Upper

96 100

61 126.5 99.2 148.8

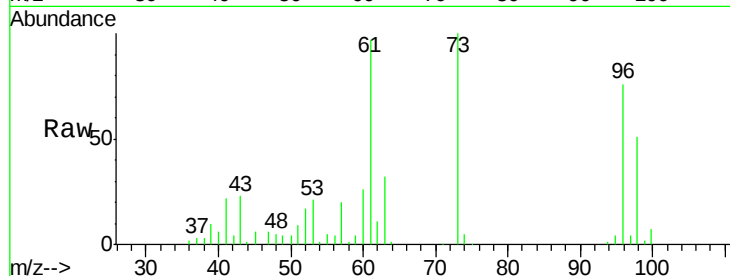
98 66.9 49.2 73.8

Manual Integrations

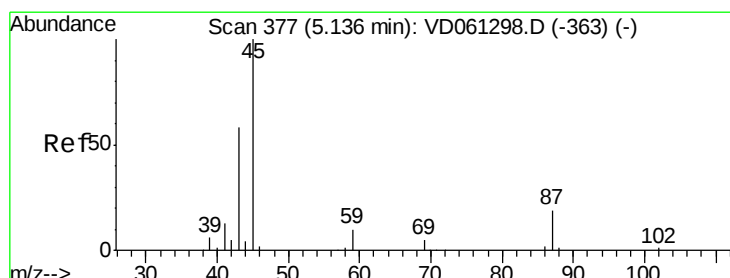
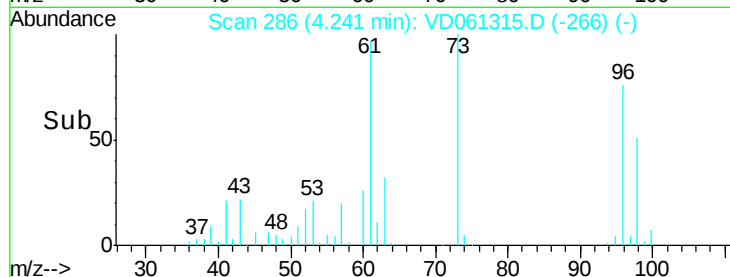
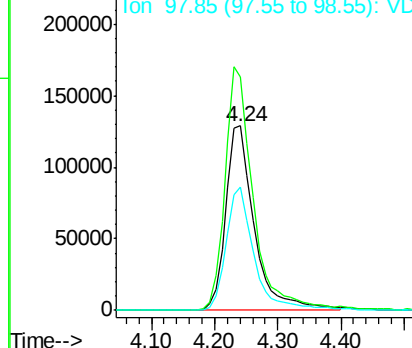
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 55.406 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.01 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Tgt Ion: 45 Resp: 1173618

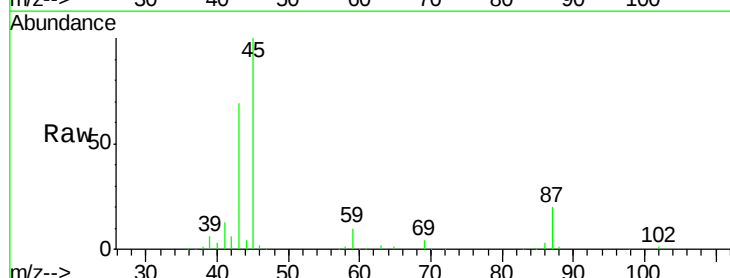
Ion Ratio Lower Upper

45 100

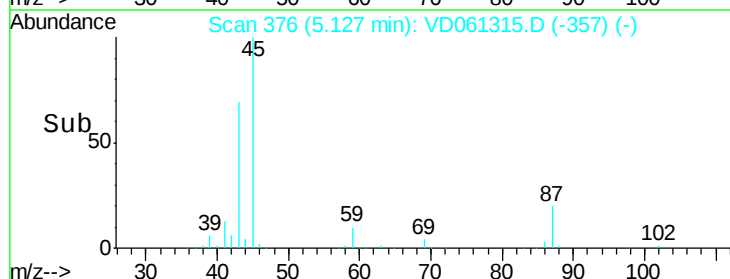
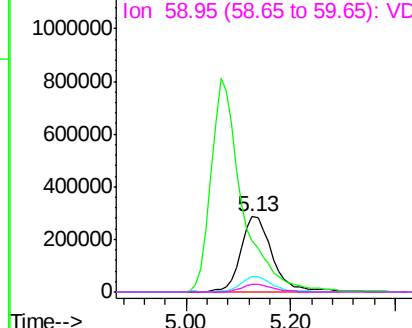
43 68.7 46.7 70.1

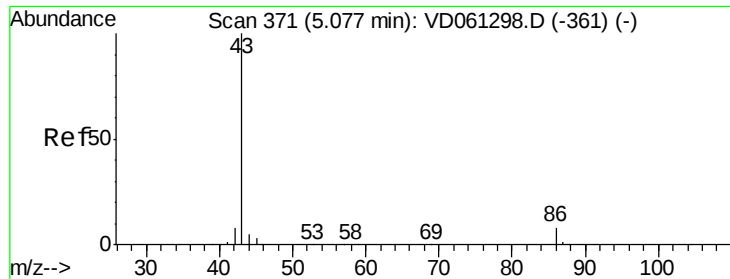
87 20.4 15.5 23.3

59 9.8 8.4 12.6



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





#23

Vinyl Acetate

Concen: 292.598 ug/l

RT: 5.07 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3310256

Ion Ratio Lower Upper

43 100

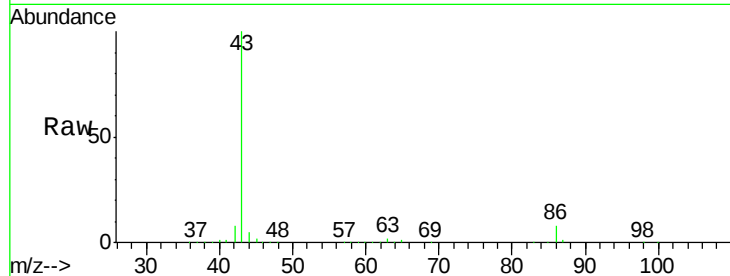
86 8.1 6.3 9.5

Manual Integrations

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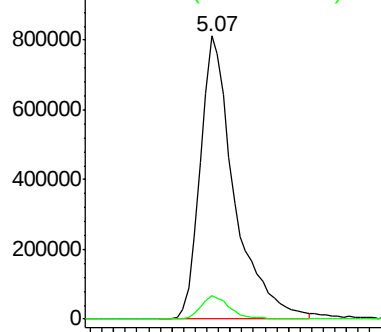
MMDadoda

3/26/2019 11:59:40 AM

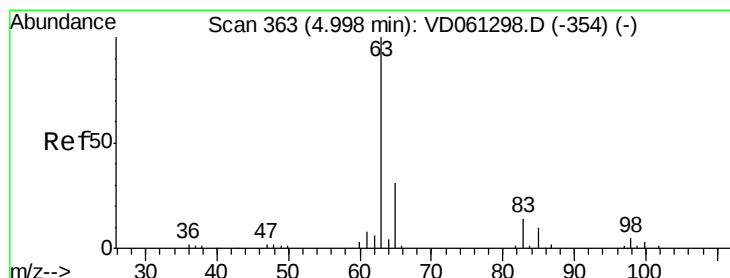
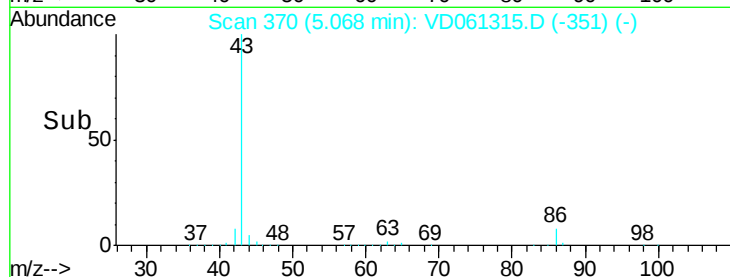


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 54.645 ug/l

RT: 5.01 min Scan# 364

Delta R.T. 0.01 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

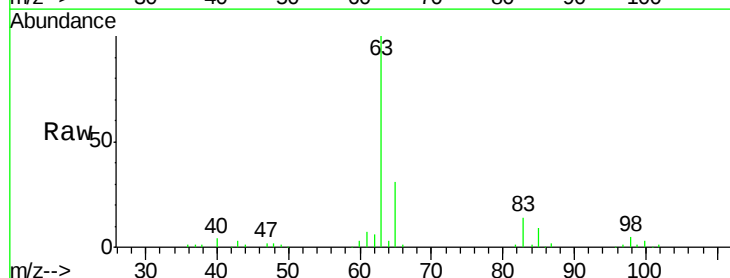
Tgt Ion: 63 Resp: 674529

Ion Ratio Lower Upper

63 100

98 5.4 2.8 8.3

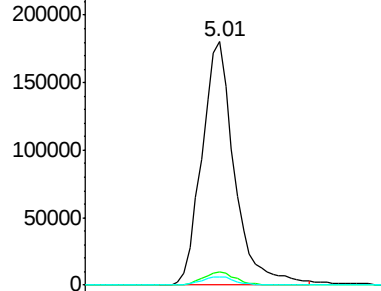
100 3.3 1.6 4.8



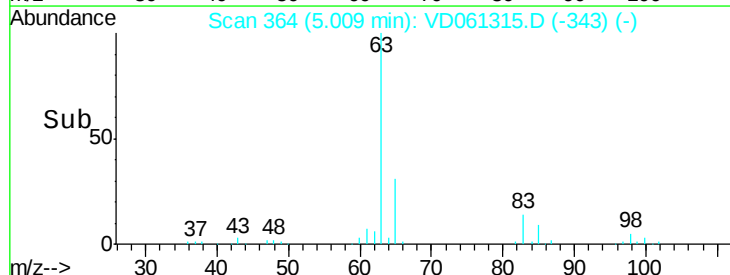
Abundance Ion 62.95 (62.65 to 63.65): VDC

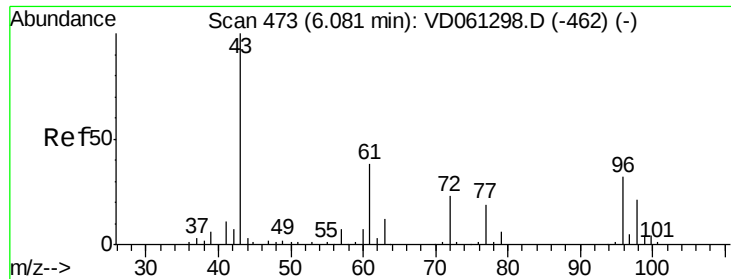
Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC



Time-->





#25

2-Butanone

Concen: 286.331 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 501803

Ion Ratio Lower Upper

43 100

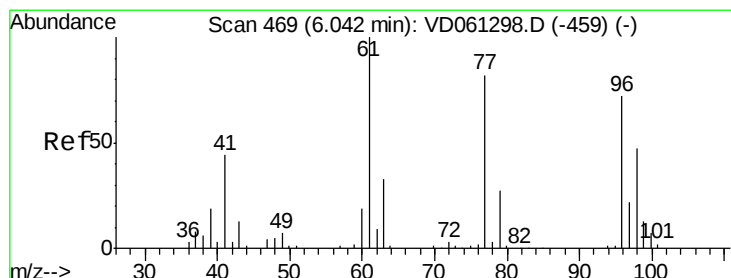
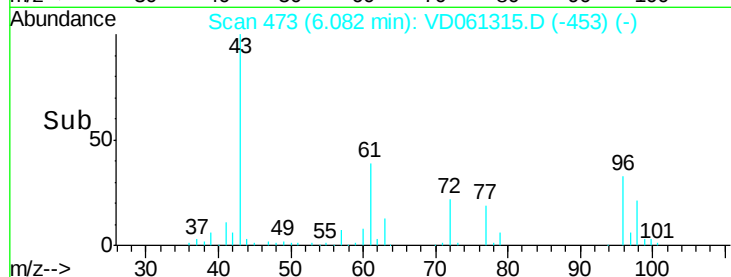
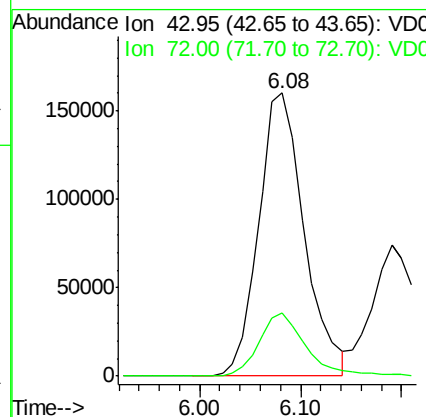
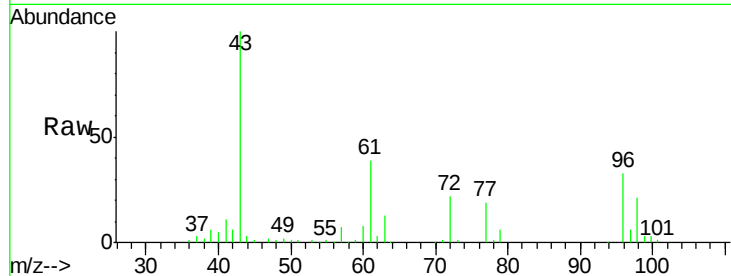
72 22.3 18.5 27.7

Manual Integrations

APPROVED

MMDadoda

3/26/2019 11:59:40 AM



#26

2,2-Dichloropropane

Concen: 50.447 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD061315.D

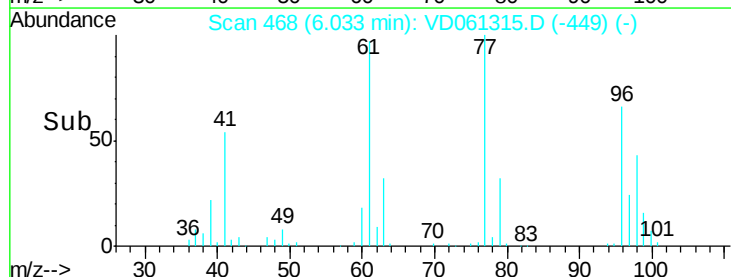
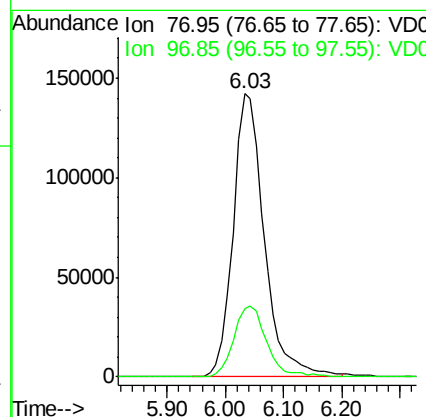
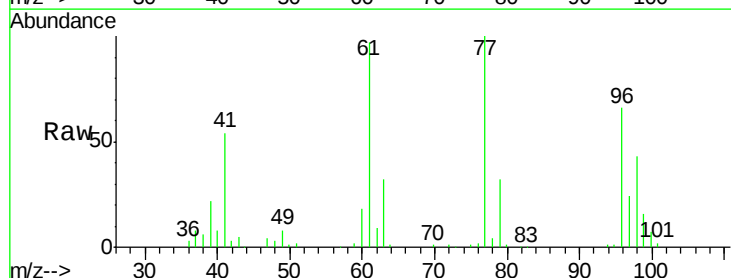
Acq: 25 Mar 2019 23:12

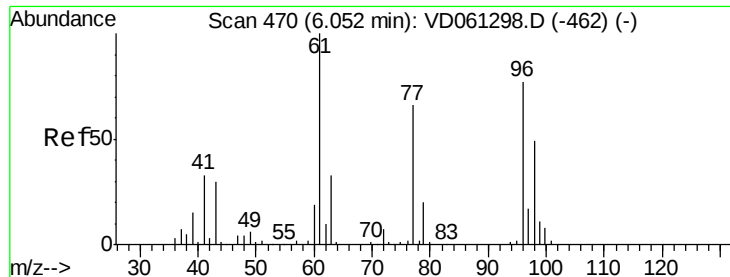
Tgt Ion: 77 Resp: 528751

Ion Ratio Lower Upper

77 100

97 24.3 13.5 40.5





#27

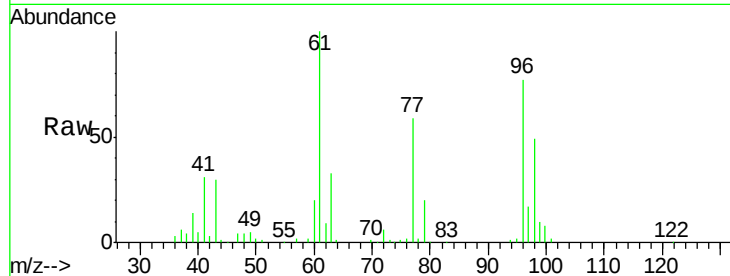
cis-1,2-Dichloroethene
Concen: 57.304 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

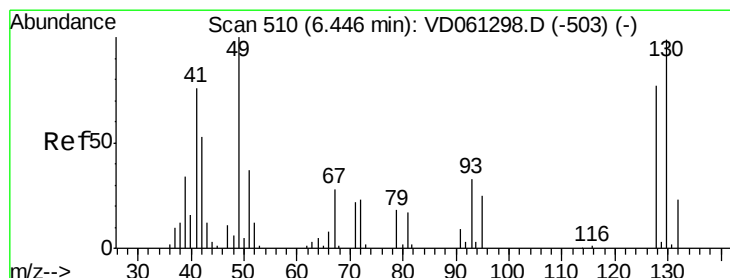
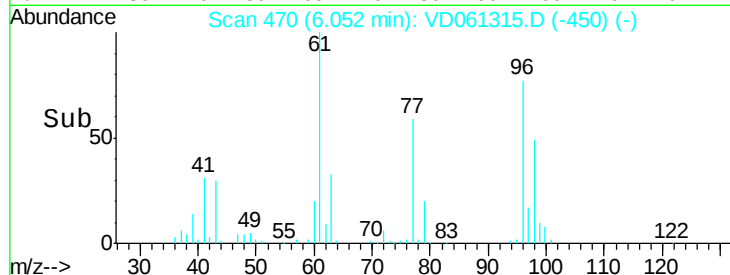
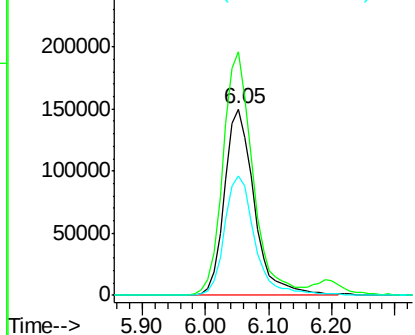
Tot Ion	Ratio	Resp	Lower	Upper
96	100	489004		
61	130.6		0.0	261.0
98	64.1		0.0	127.6

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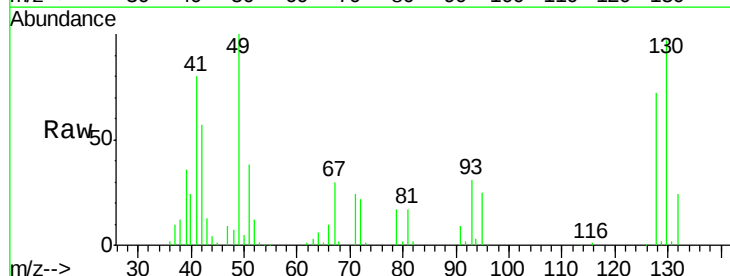
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



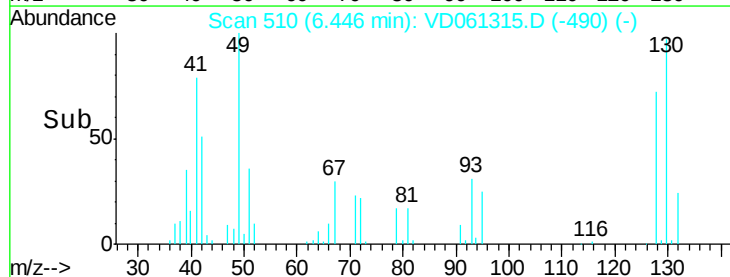
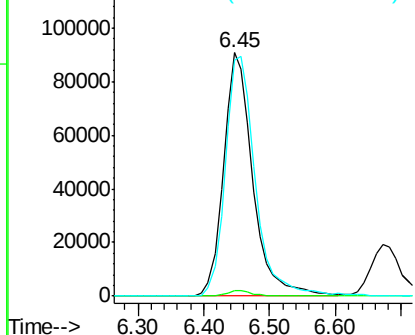
#28

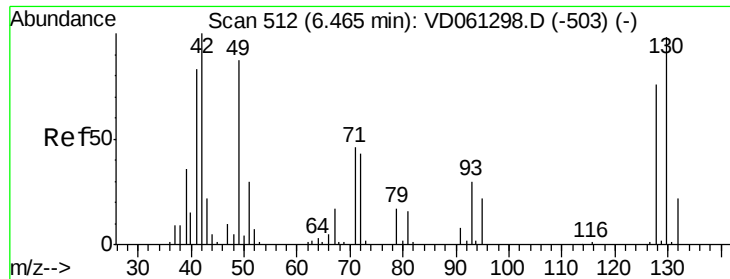
Bromochloromethane
Concen: 54.524 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	281706		
129	2.4		0.0	5.2
130	96.8		79.0	118.6



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





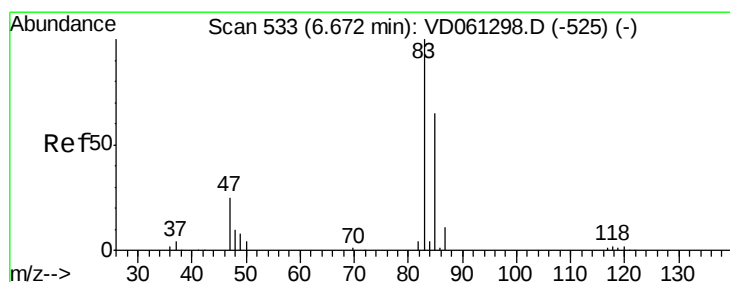
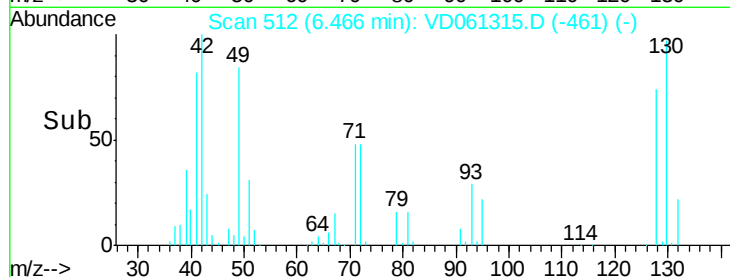
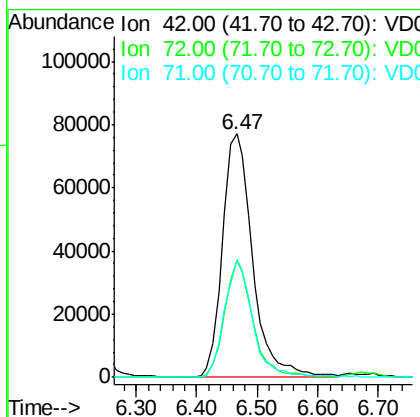
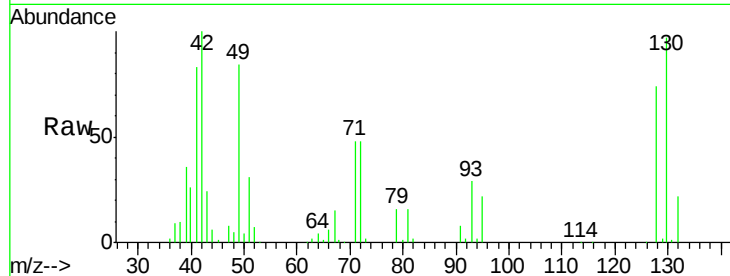
#29
Tetrahydrofuran
Concen: 305.624 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
42	100	266602		
72	44.9		36.6	54.8
71	45.0		36.3	54.5

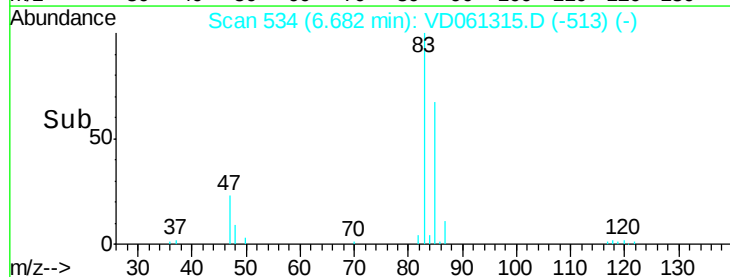
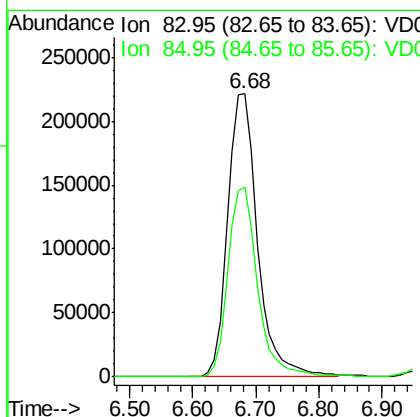
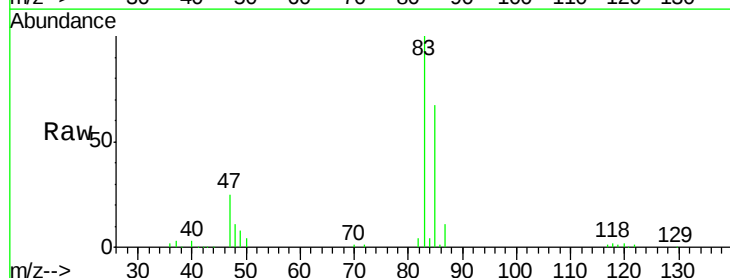
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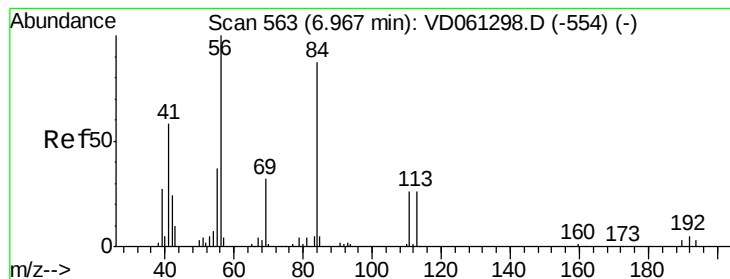
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#30
Chloroform
Concen: 55.070 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	724391		
85	67.0		52.2	78.2





#31

Cvclohexane

Concen: 51.614 ug/l

RT: 6.97 min Scan# 563

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Instrument :

MSVOA_D

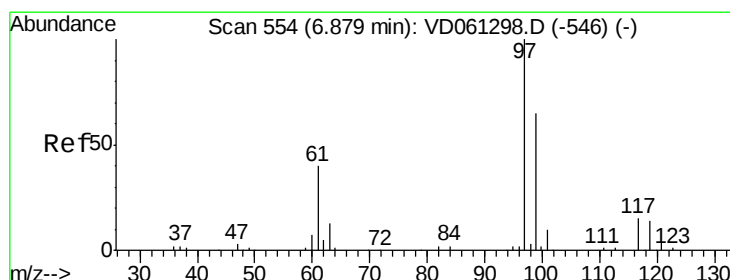
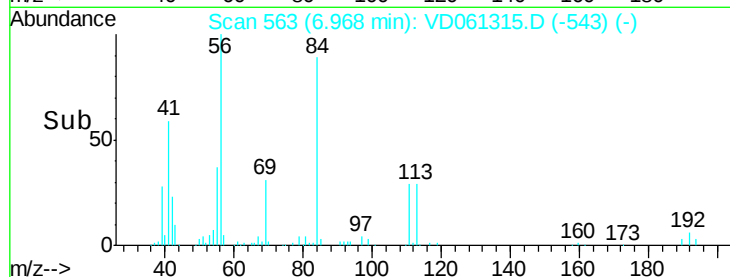
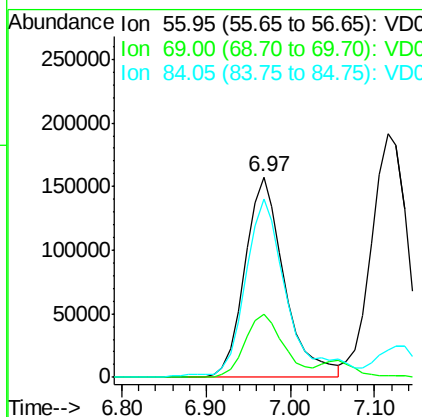
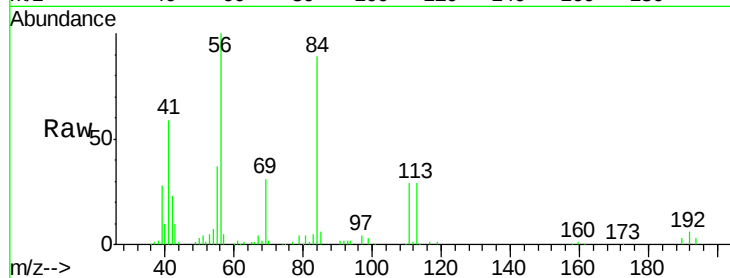
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	517104
Ion	Ratio	Lower	Upper
56	100		
69	31.5	25.5	38.3
84	89.2	71.4	107.2

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#32

1,1,1-Trichloroethane

Concen: 50.655 ug/l

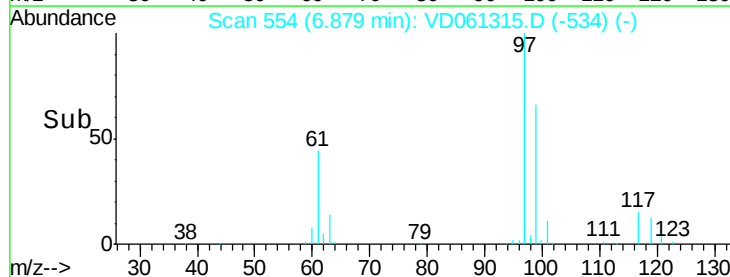
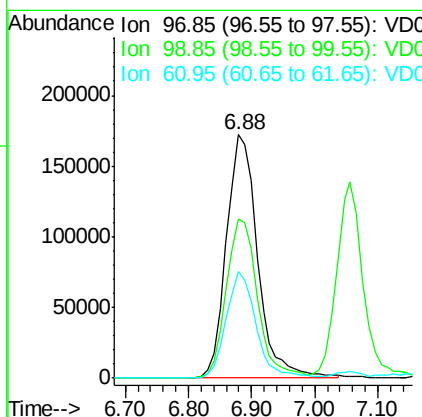
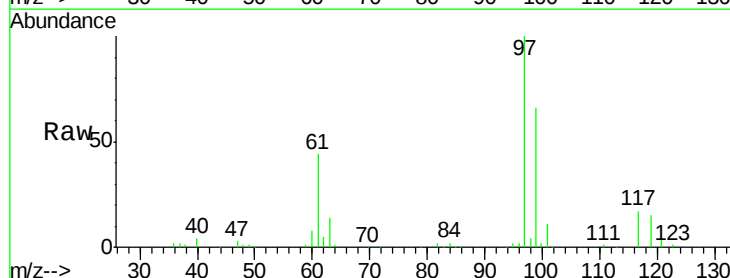
RT: 6.88 min Scan# 554

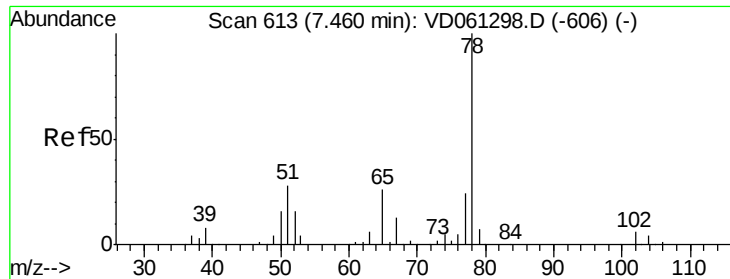
Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Tgt Ion:	97	Resp:	590122
Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.8	77.6
61	44.0	31.9	47.9





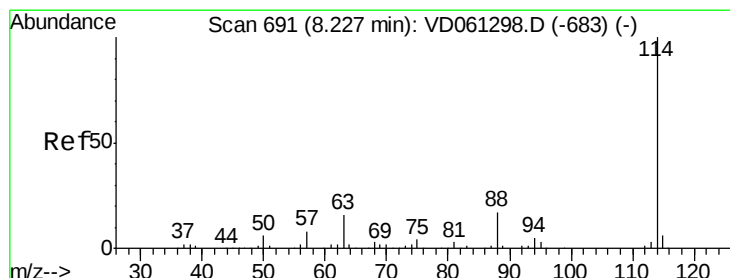
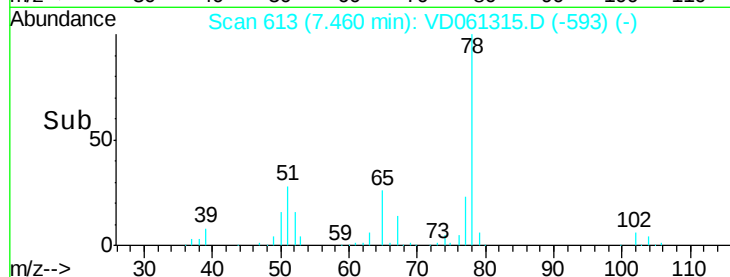
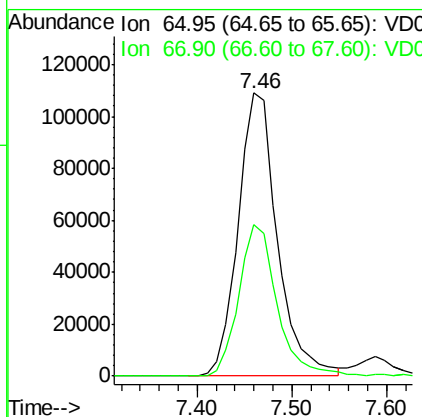
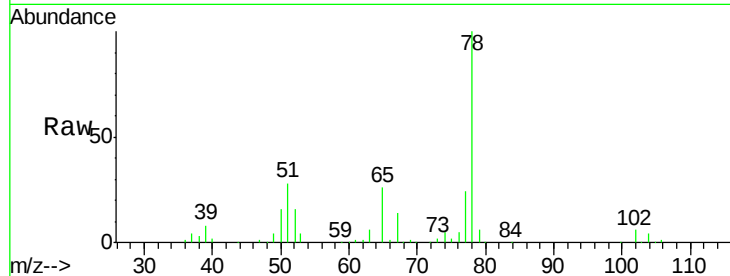
#33
 1,2-Dichloroethane-d4
 Concen: 50.655 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VD061315.D
 Acq: 25 Mar 2019 23:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 313538
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 100.8

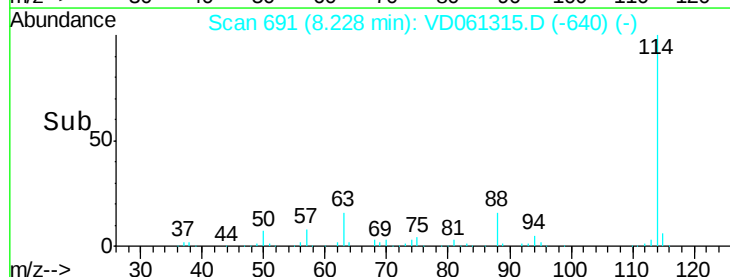
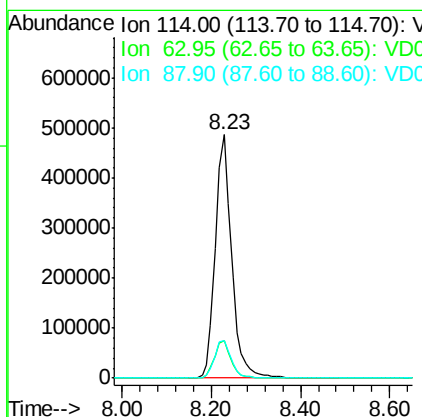
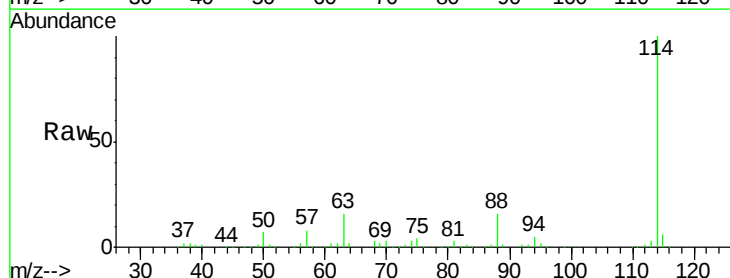
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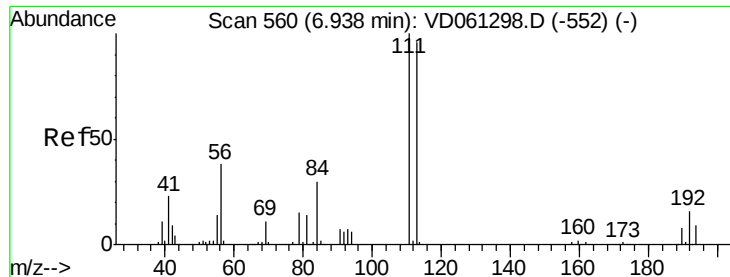
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VD061315.D
 Acq: 25 Mar 2019 23:12

Tgt Ion: 114 Resp: 1239548
 Ion Ratio Lower Upper
 114 100
 63 15.6 0.0 31.4
 88 15.7 0.0 33.2





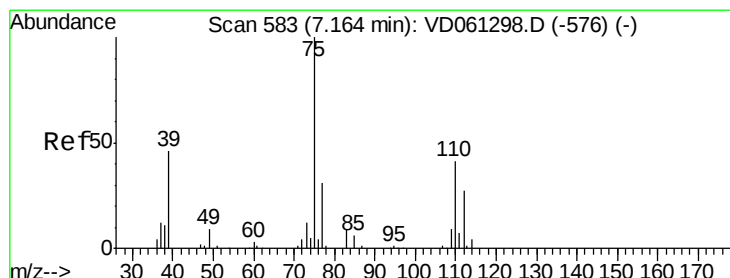
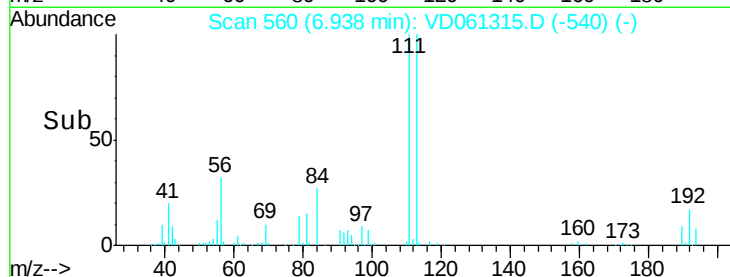
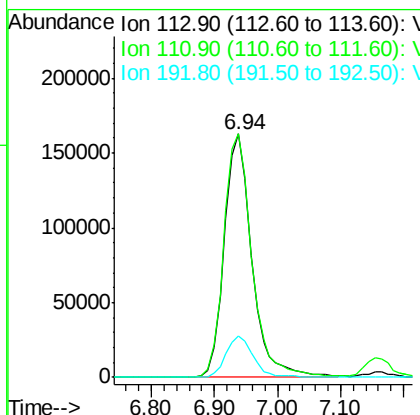
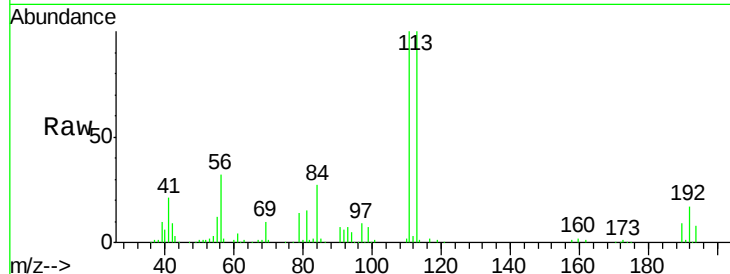
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.94 min Scan# 560
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	494547		
111	99.9	83.7	125.5	
192	17.0	13.4	20.0	

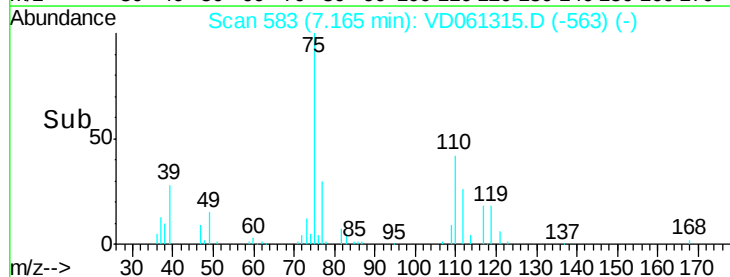
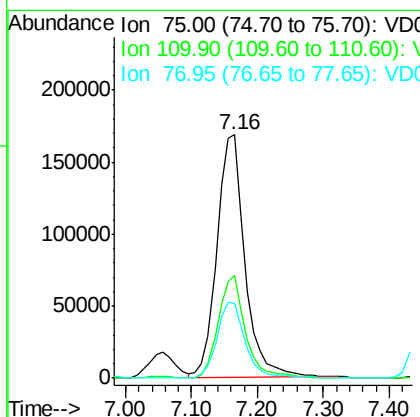
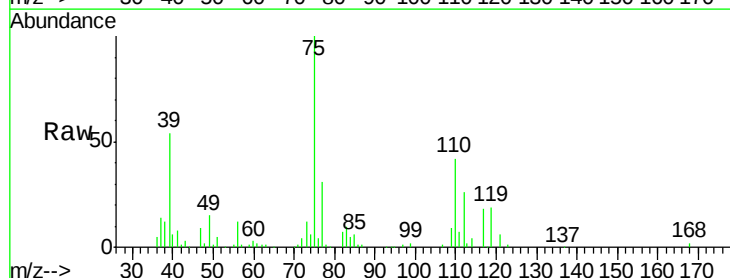
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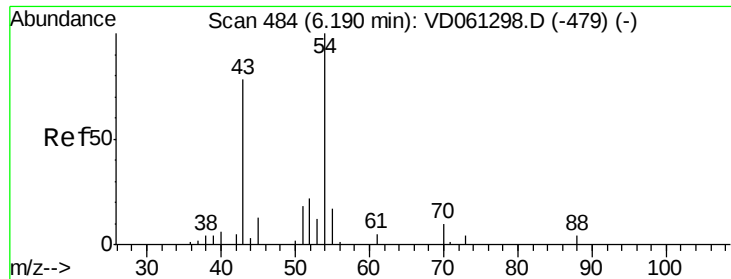
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#36
1,1-Dichloropropene
Concen: 49.002 ug/l
RT: 7.16 min Scan# 583
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	496951		
110	42.3	20.1	60.2	
77	30.8	24.3	36.5	





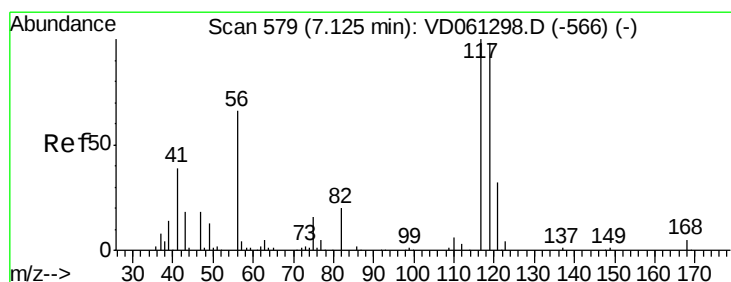
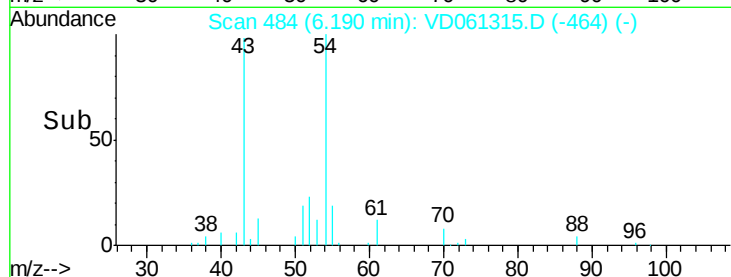
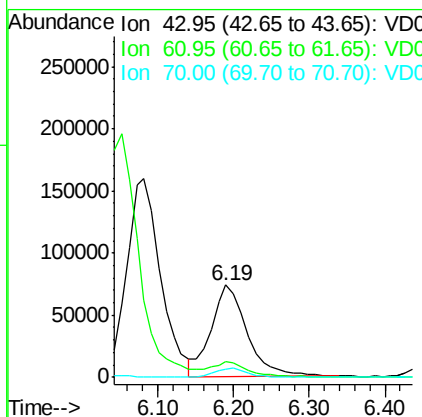
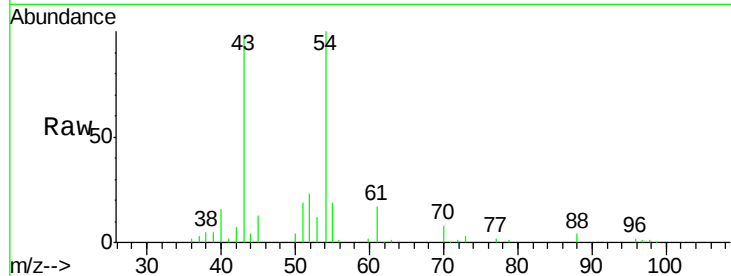
#37
Ethyl Acetate
Concen: 57.037 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.6	12.6	19.0
70	8.3	8.2	12.4

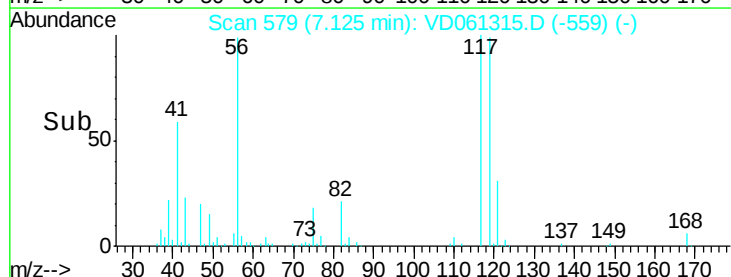
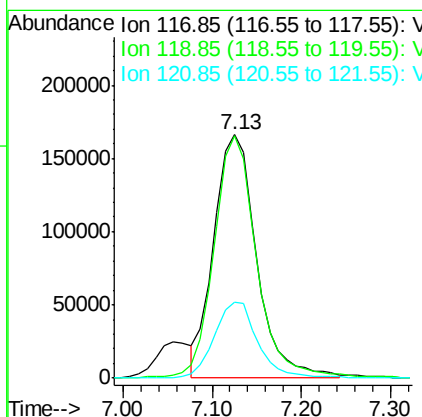
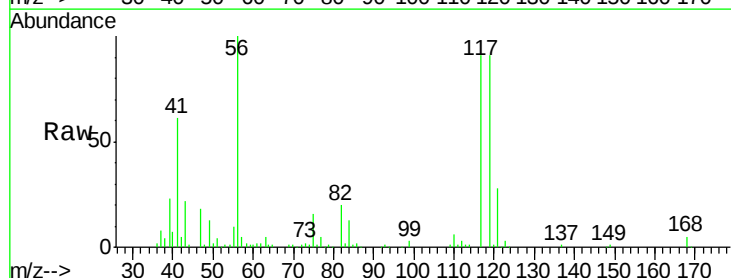
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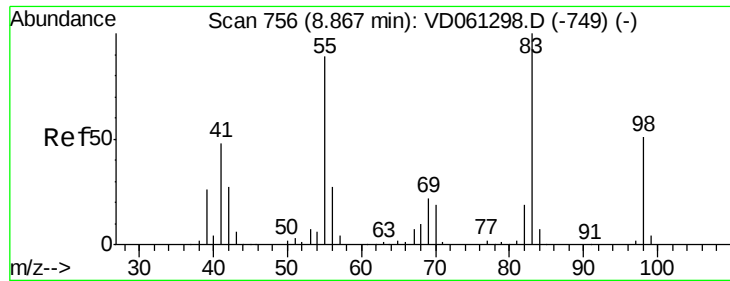
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#38
Carbon Tetrachloride
Concen: 47.886 ug/l m
RT: 7.13 min Scan# 579
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.8	78.4	117.6
121	31.1	25.1	37.7





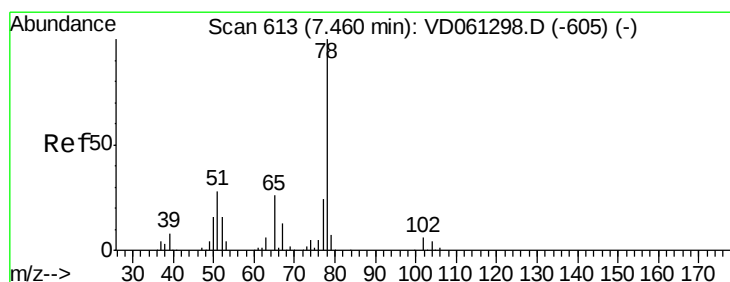
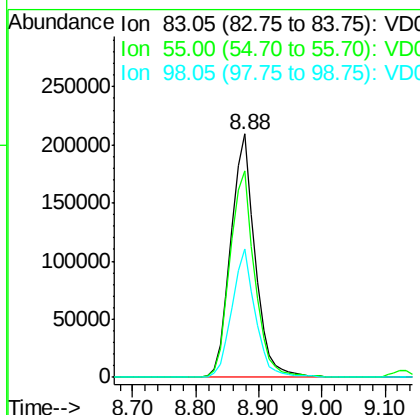
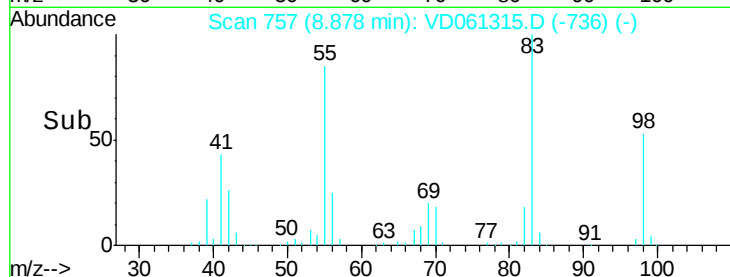
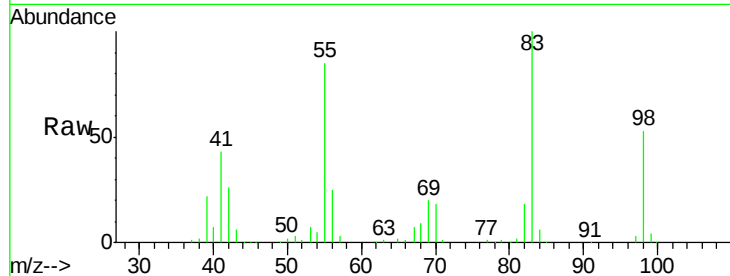
#39
Methvlcvclohexane
Concen: 53.216 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.01 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	558947
Ion Ratio	Lower	Upper	
83	100		
55	84.6	71.3	106.9
98	52.6	40.4	60.6

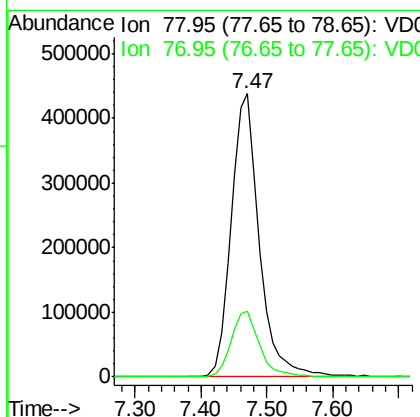
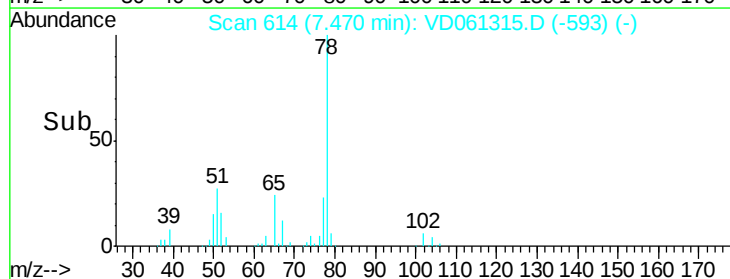
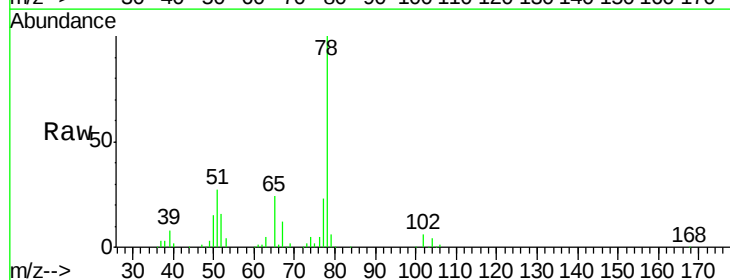
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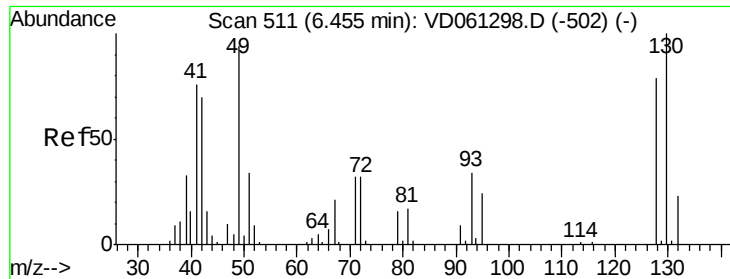
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#40
Benzene
Concen: 52.011 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.01 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Tgt Ion	78	Resp	1309994
Ion Ratio	Lower	Upper	
78	100		
77	23.4	18.8	28.2





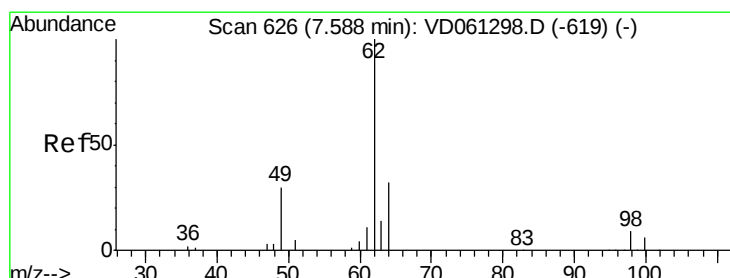
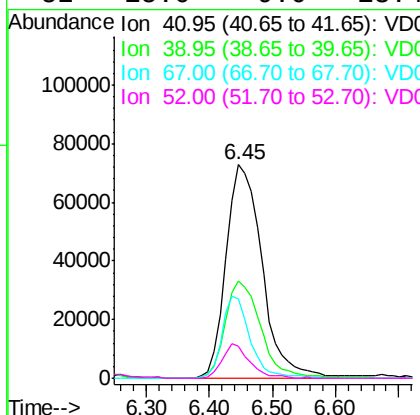
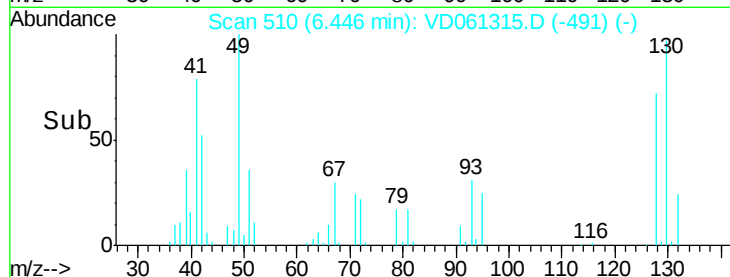
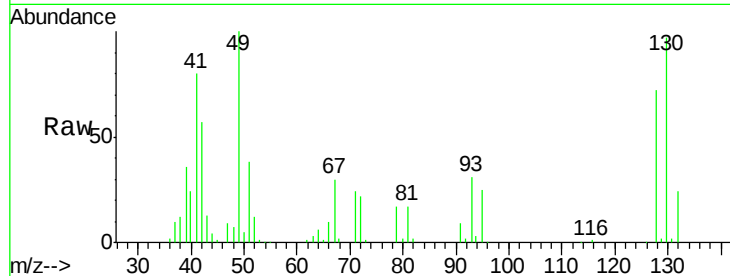
#41
Methacrylonitrile
Concen: 58.858 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	45.3	34.2	51.2		
67	37.1	21.8	32.6		
52	15.0	9.0	13.4		

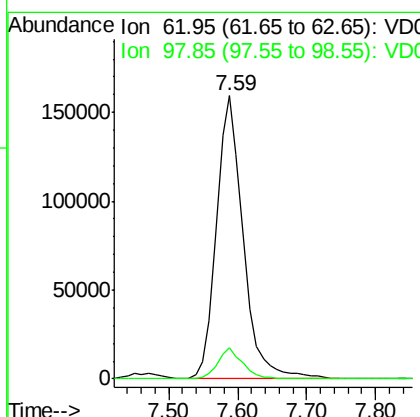
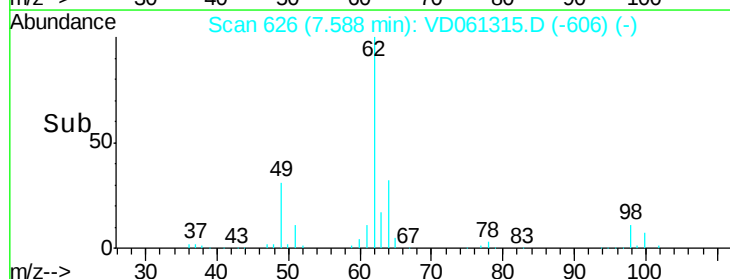
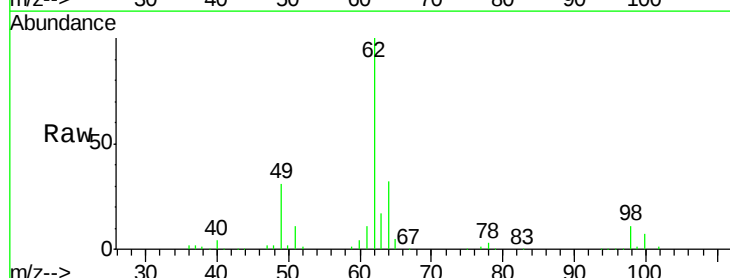
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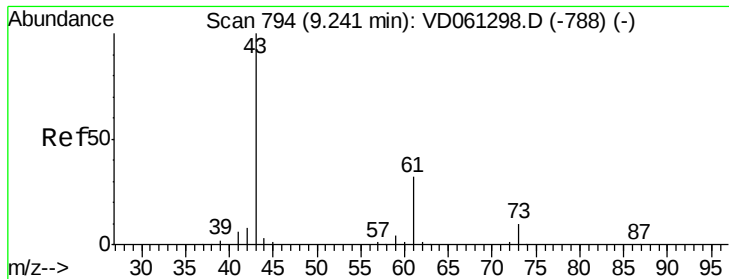
MMDadoda
3/26/2019 11:59:40 AM



#42
1,2-Dichloroethane
Concen: 54.687 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	10.8	0.0	18.6		





#43

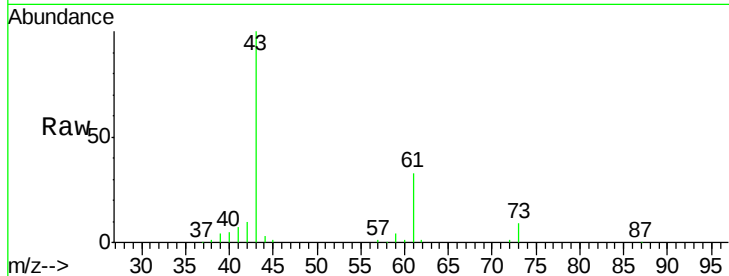
Isopropyl Acetate
 Concen: 59.467 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VD061315.D
 Acq: 25 Mar 2019 23:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

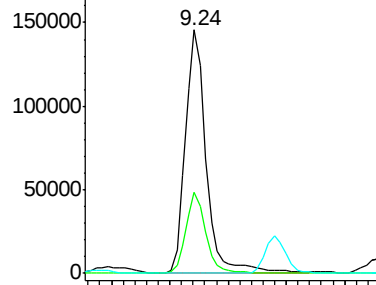
Tot Ion	Ratio	Lower	Upper
43	100		
61	33.4	25.8	38.8
87	0.3	0.3	0.5

Manual Integrations
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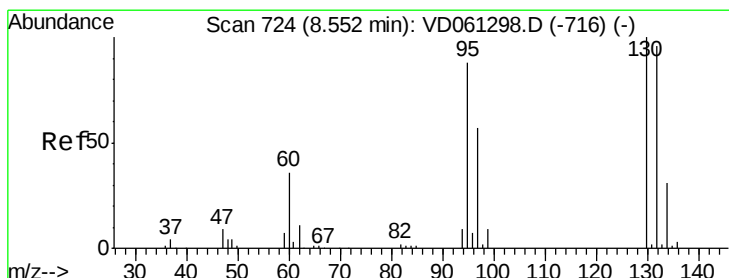
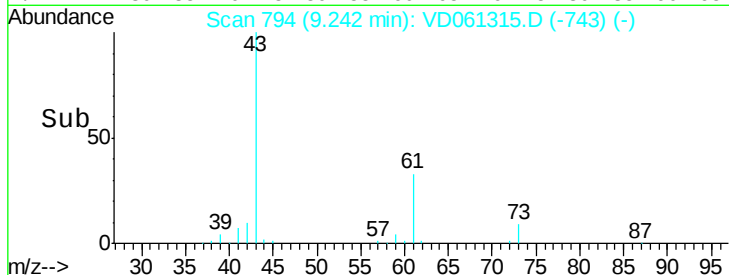
MMDadoda
 3/26/2019 11:59:40 AM



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



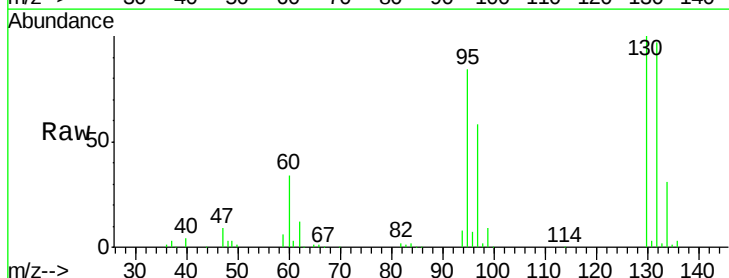
Time-->



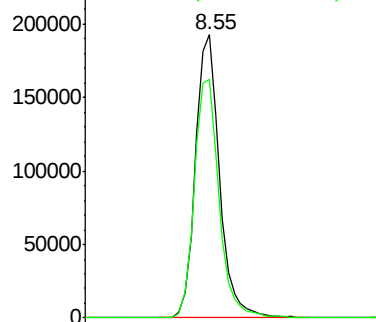
#44

Trichloroethene
 Concen: 55.958 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.00 min
 Lab File: VD061315.D
 Acq: 25 Mar 2019 23:12

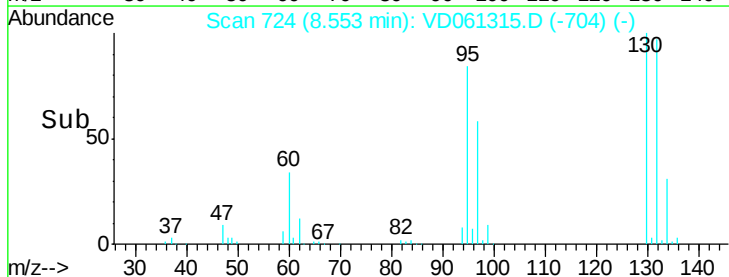
Tgt Ion	Ratio	Lower	Upper
130	100		
95	84.5	0.0	175.0

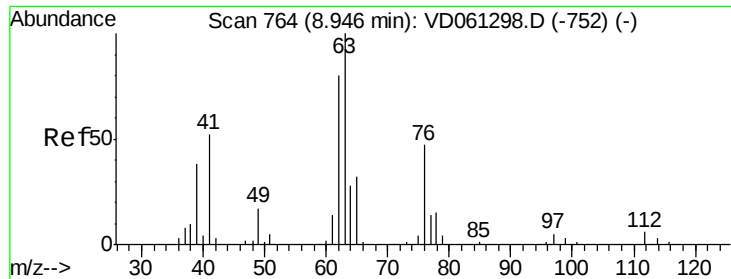


Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC



Time-->





#45

1,2-Dichloropropane

Concen: 55.692 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 346204

Ion Ratio Lower Upper

63 100

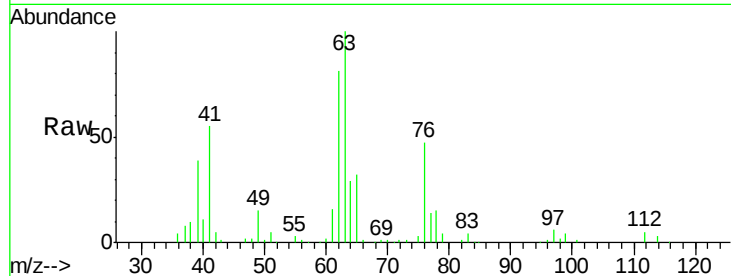
65 31.6 25.2 37.8

Manual Integrations

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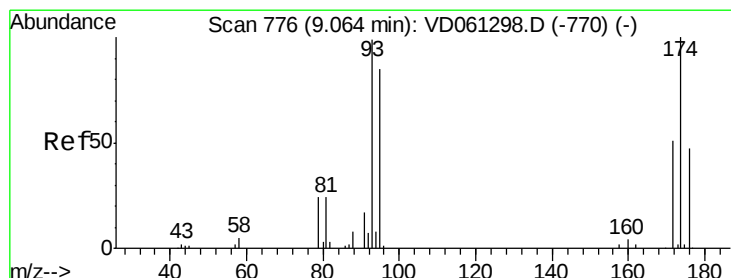
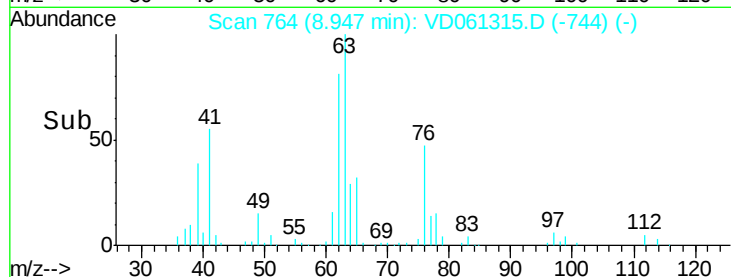
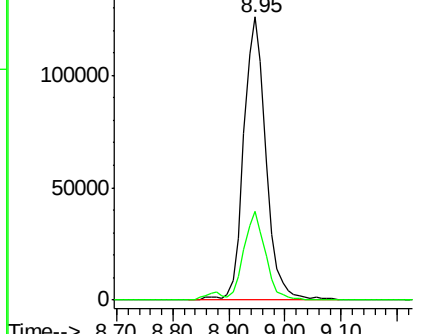
MMDadoda

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 54.785 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

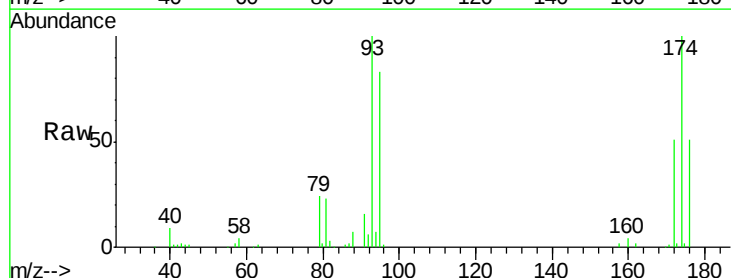
Tgt Ion: 93 Resp: 233443

Ion Ratio Lower Upper

93 100

95 82.8 68.1 102.1

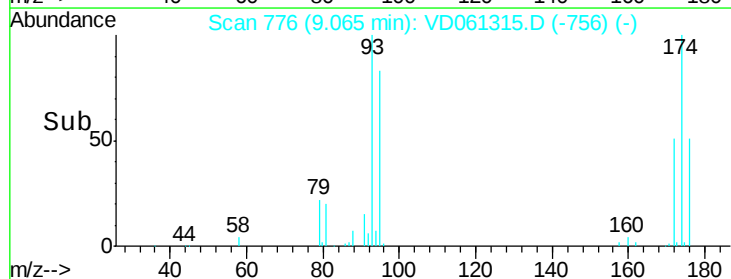
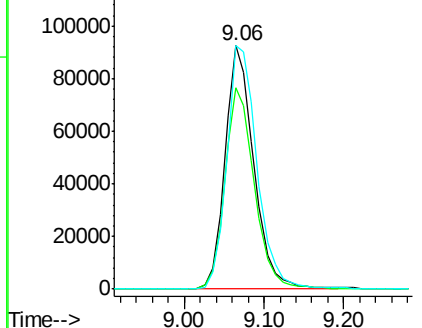
174 100.1 80.4 120.6

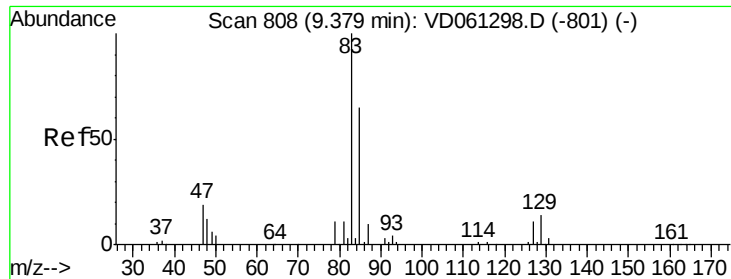


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 54.455 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Instrument :

MSVOA_D

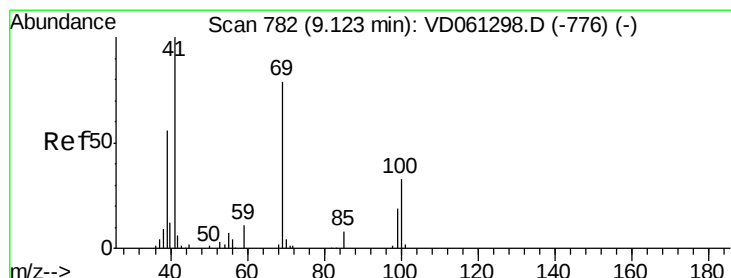
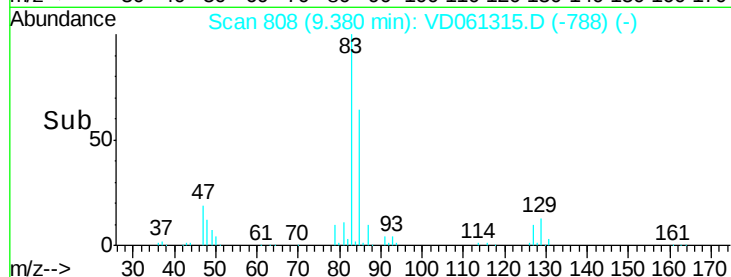
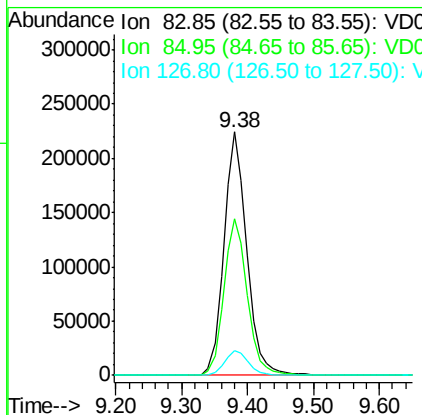
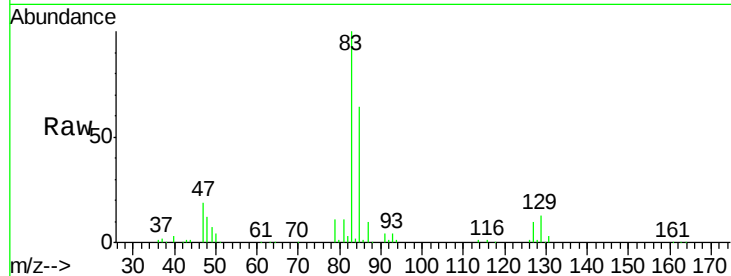
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	543867
Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.7	77.5
127	10.3	8.8	13.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 59.966 ug/l

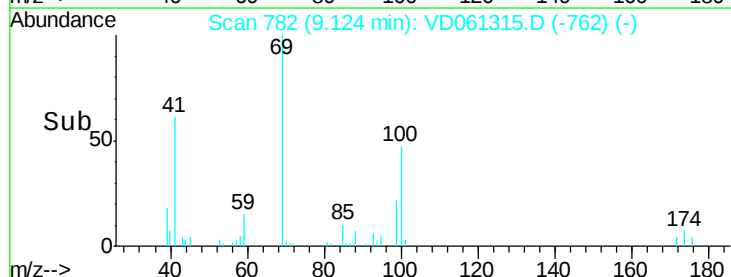
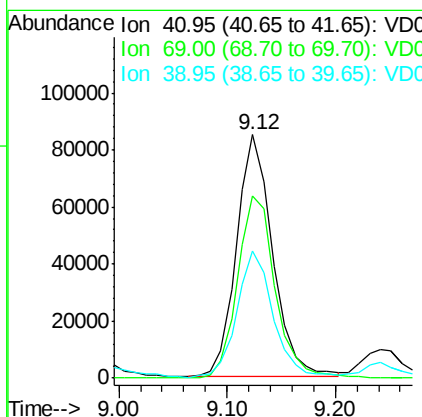
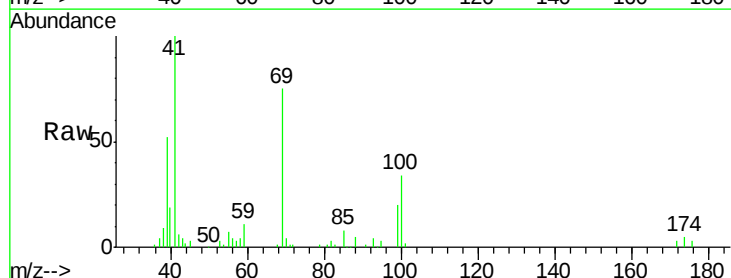
RT: 9.12 min Scan# 782

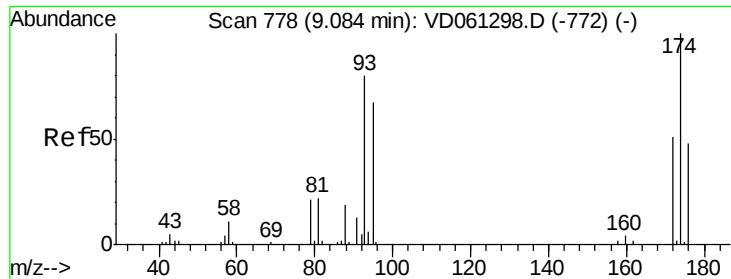
Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Tgt Ion:	41	Resp:	195484
Ion	Ratio	Lower	Upper
41	100		
69	75.0	62.4	93.6
39	52.0	44.9	67.3





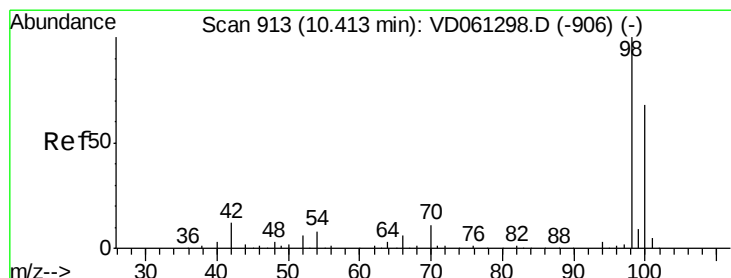
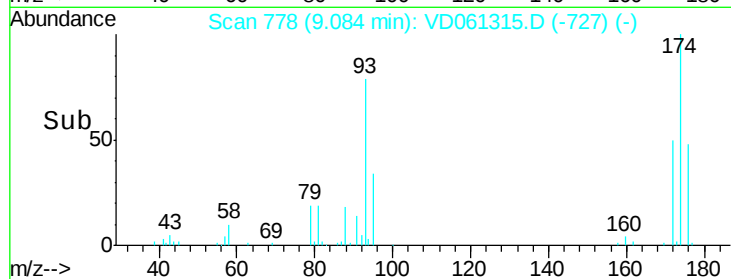
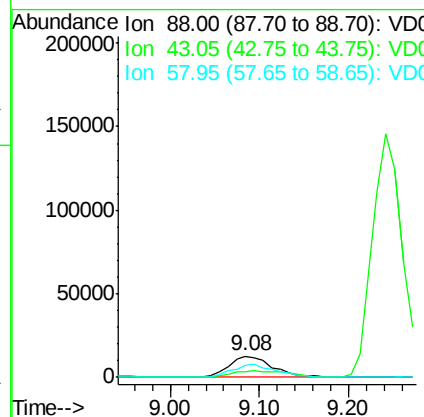
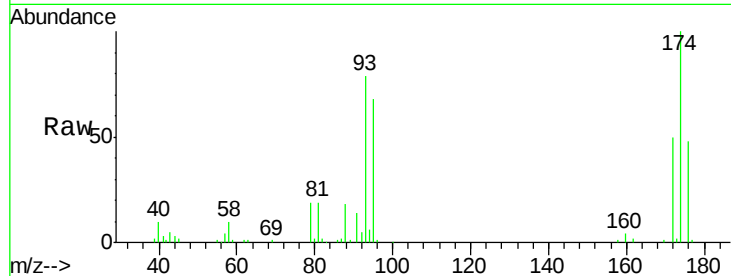
#49
1,4-Dioxane
Concen: 1187.836 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.2	20.7	31.1
58	57.2	44.9	67.3

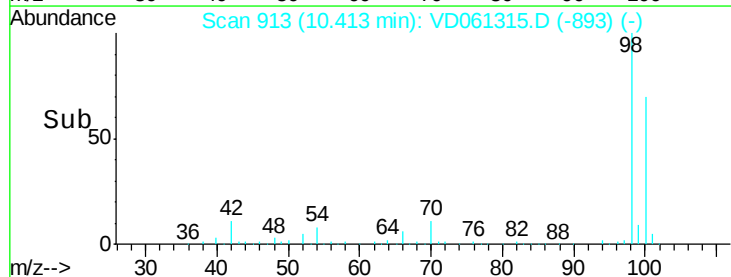
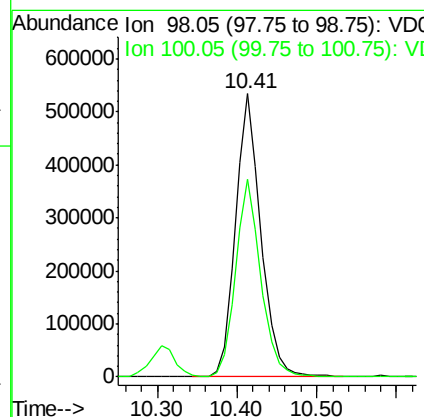
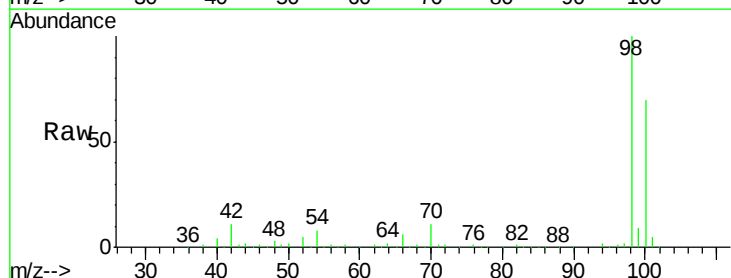
Manual Integrations
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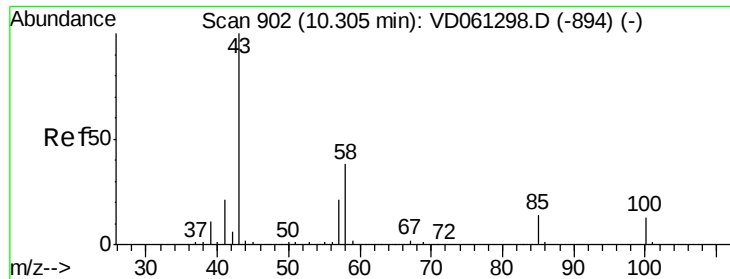
MMDadoda
3/26/2019 11:59:40 AM



#50
Toluene-d8
Concen: 1187.836 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.9	55.4	83.0





#51

4-Methyl-2-Pentanone

Concen: 281.554 ug/l

RT: 10.31 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1023695

Ion Ratio Lower Upper

43 100

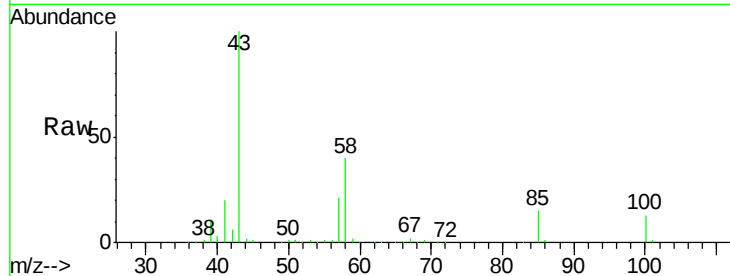
58 39.8 30.6 45.8

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

400000

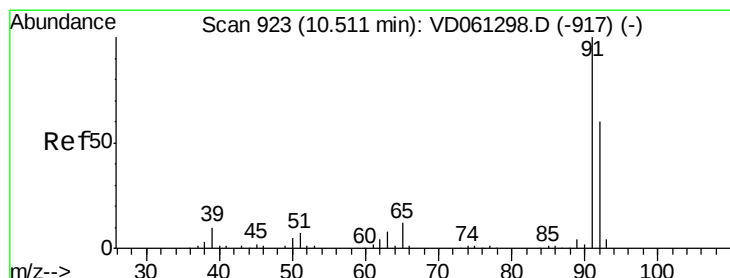
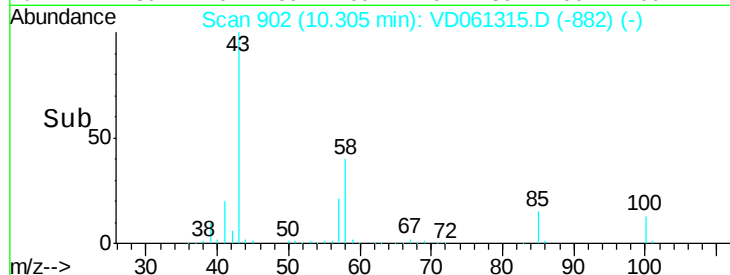
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 54.917 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.00 min

Lab File: VD061315.D

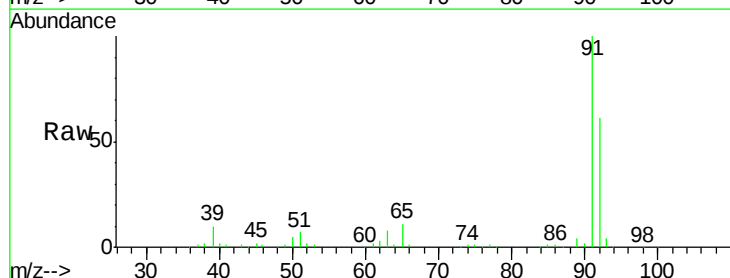
Acq: 25 Mar 2019 23:12

Tgt Ion: 92 Resp: 846340

Ion Ratio Lower Upper

92 100

91 164.3 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

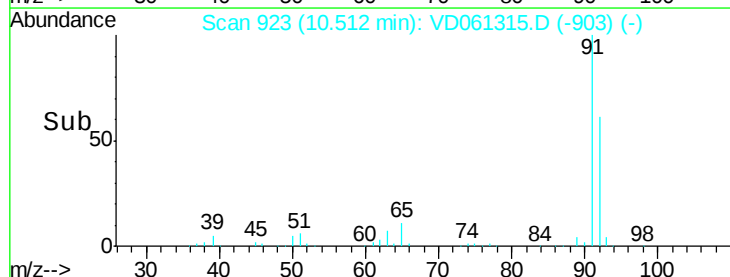
600000

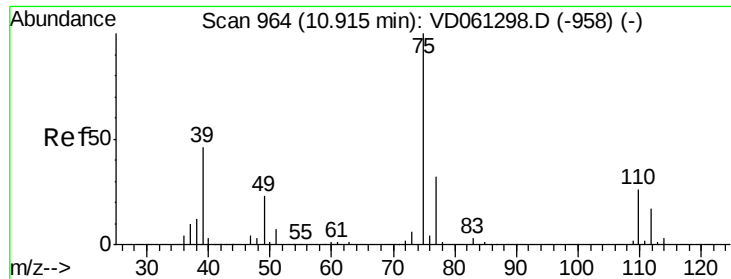
400000

200000

0

Time-->





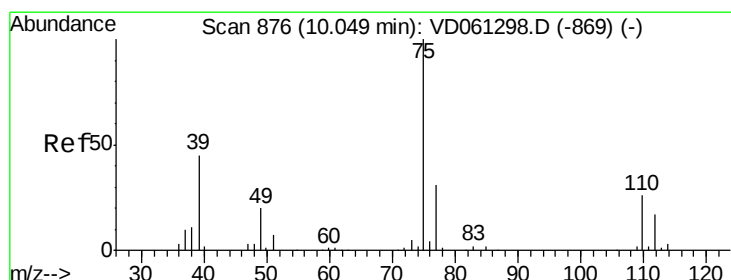
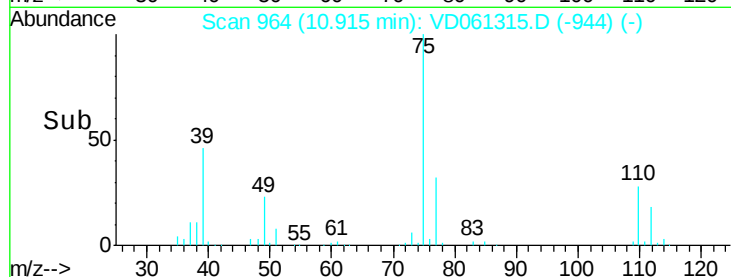
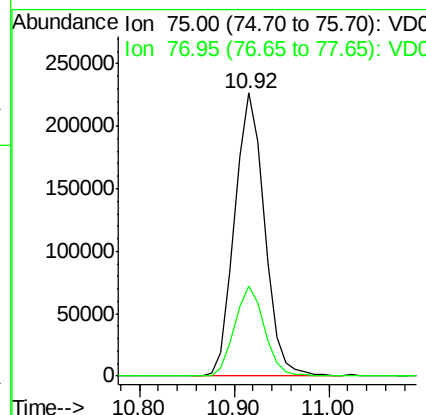
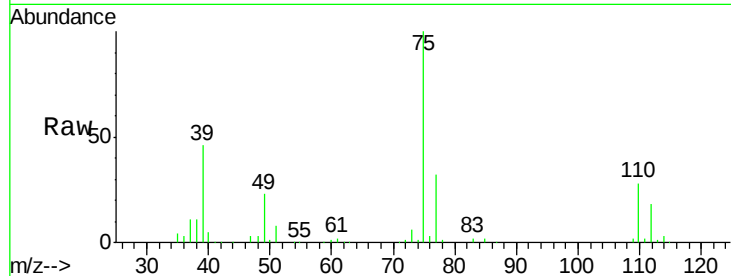
#53
t-1,3-Dichloropropene
Concen: 57.027 ug/l
RT: 10.92 min Scan# 964
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 494970
Ion Ratio Lower Upper
75 100
77 31.9 25.8 38.6

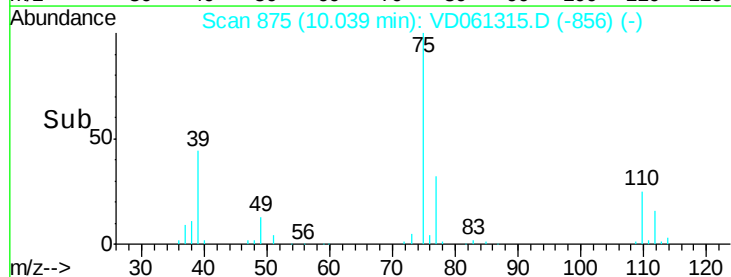
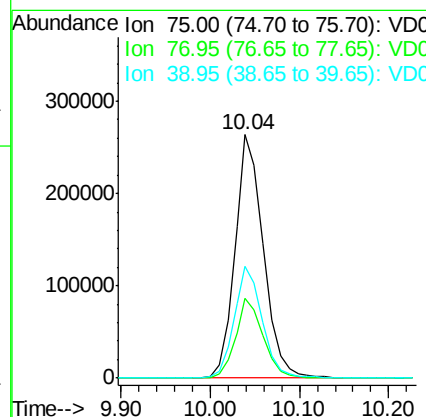
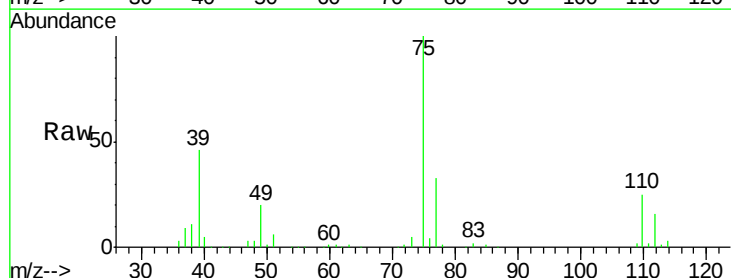
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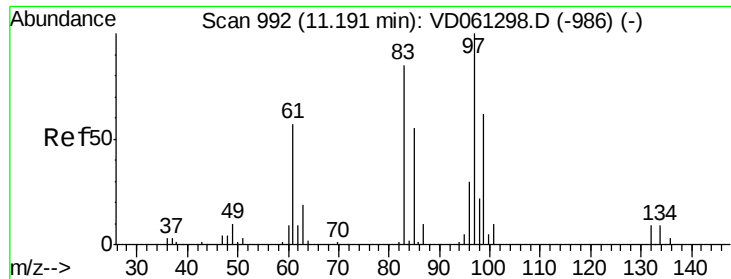
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3/26/2019 11:59:40 AM



#54
cis-1,3-Dichloropropene
Concen: 55.424 ug/l
RT: 10.04 min Scan# 875
Delta R.T. -0.01 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Tgt Ion: 75 Resp: 587419
Ion Ratio Lower Upper
75 100
77 32.6 24.9 37.3
39 46.0 36.0 54.0





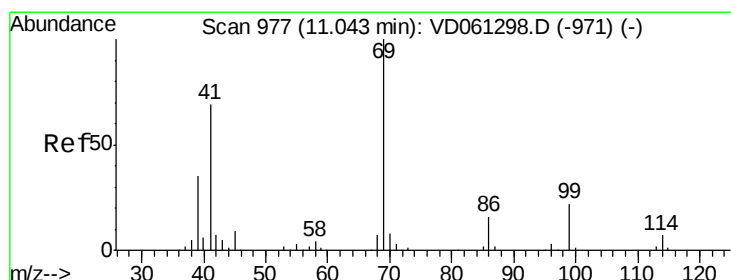
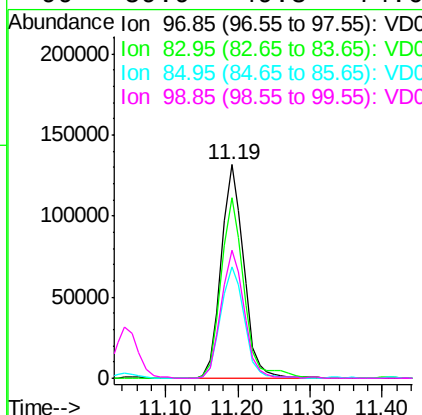
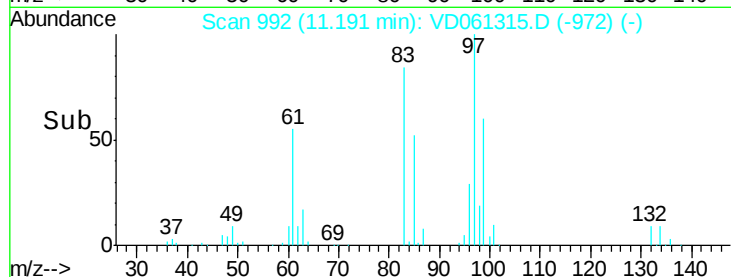
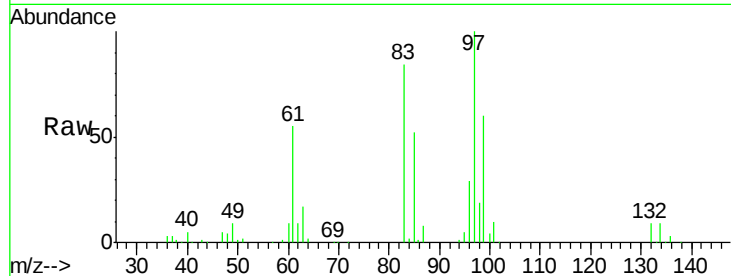
#55
 1,1,2-Trichloroethane
 Concen: 55.916 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VD061315.D
 Acq: 25 Mar 2019 23:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		286095		
83	84.3	67.7	101.5		
85	52.0	43.8	65.8		
99	59.9	49.8	74.6		

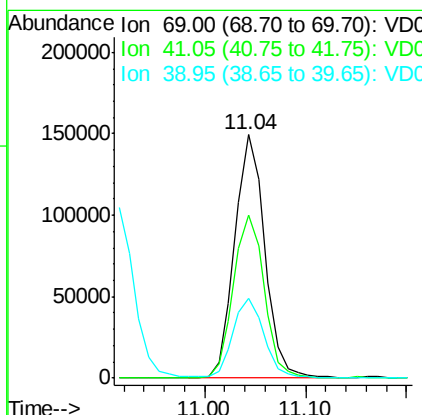
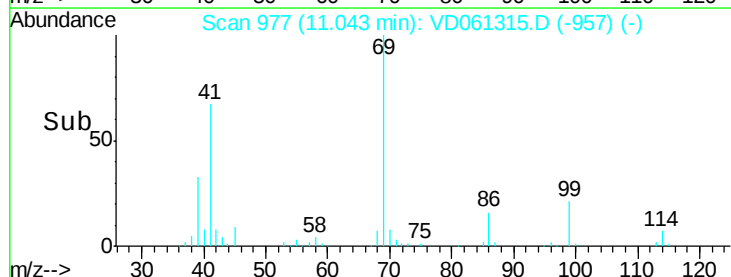
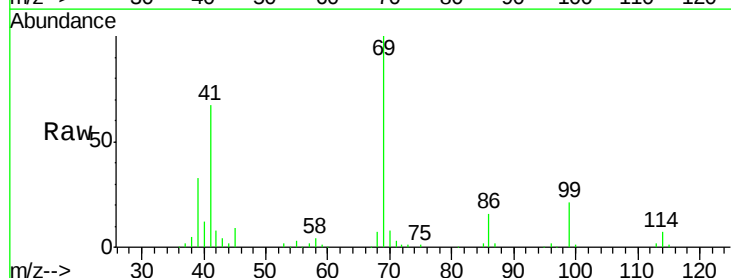
Manual Integrations
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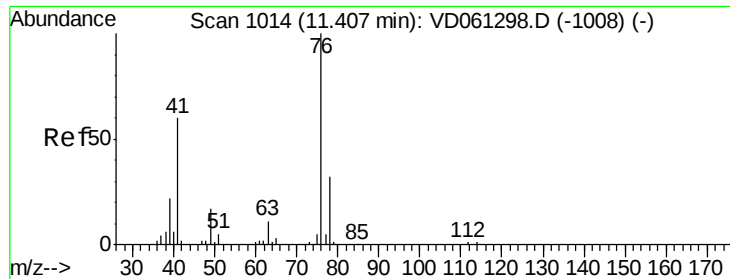
MMDadoda
 3/26/2019 11:59:40 AM



#56
 Ethyl methacrylate
 Concen: 57.018 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VD061315.D
 Acq: 25 Mar 2019 23:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		311306		
41	66.8	54.9	82.3		
39	32.8	28.5	42.7		





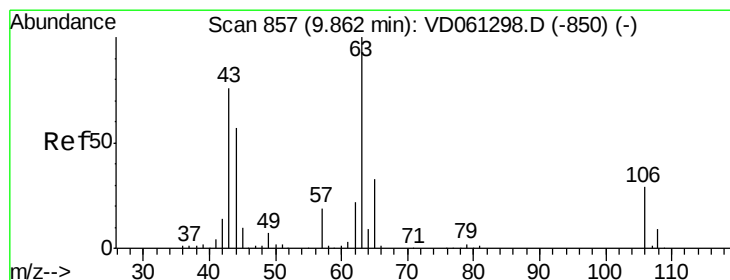
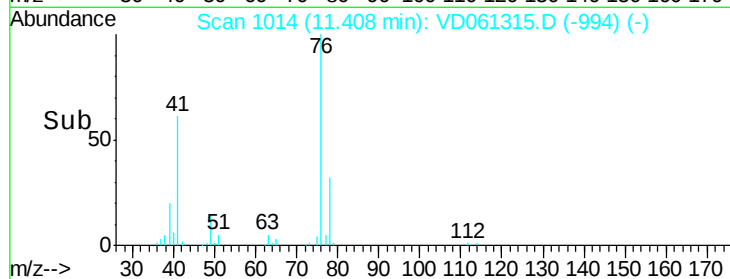
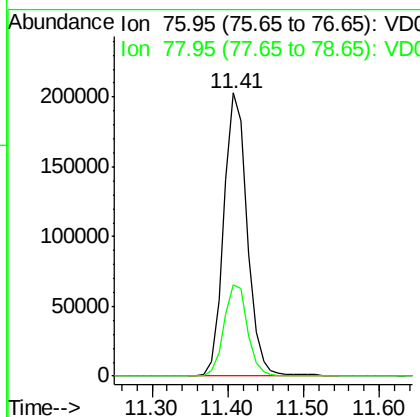
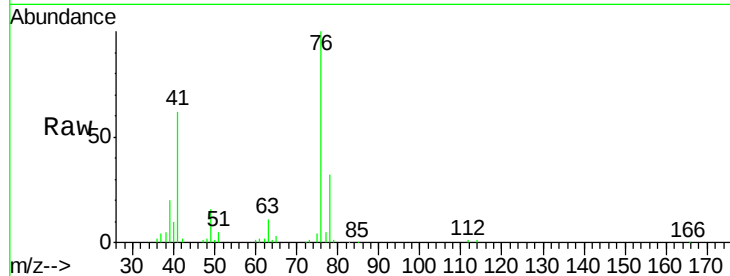
#57
 1,3-Dichloropropane
 Concen: 56.335 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VD061315.D
 Acq: 25 Mar 2019 23:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 435311
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.7 38.5

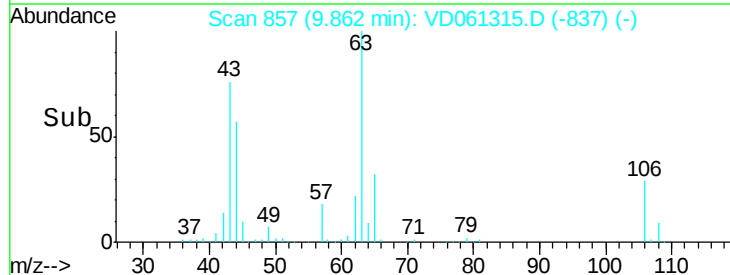
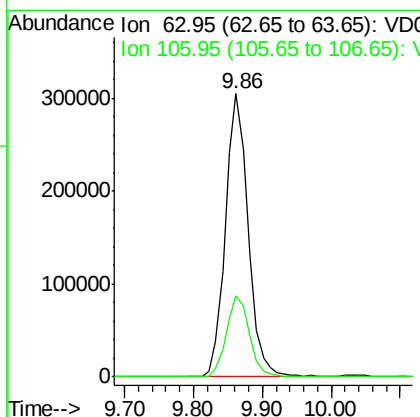
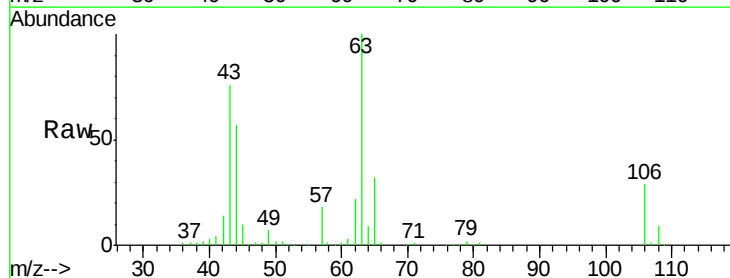
Manual Integrations
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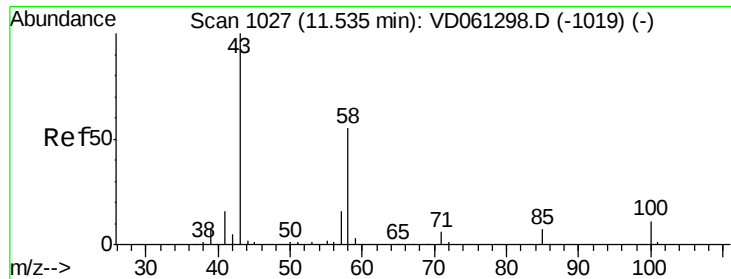
MMDadoda
 3/26/2019 11:59:40 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 245.452 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: VD061315.D
 Acq: 25 Mar 2019 23:12

Tgt Ion: 63 Resp: 697174
 Ion Ratio Lower Upper
 63 100
 106 28.8 23.4 35.0





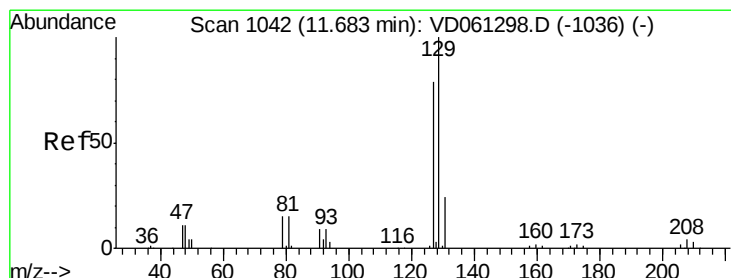
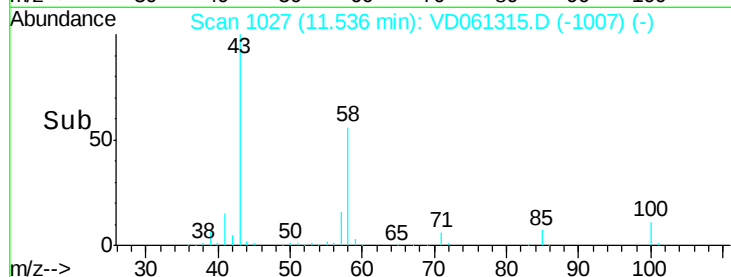
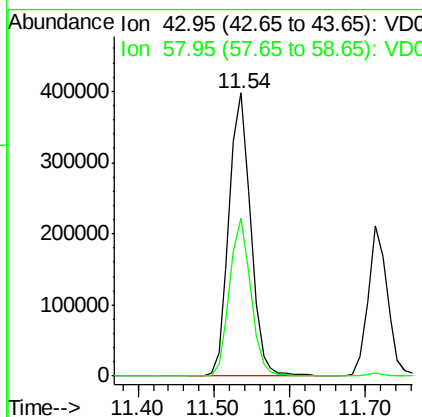
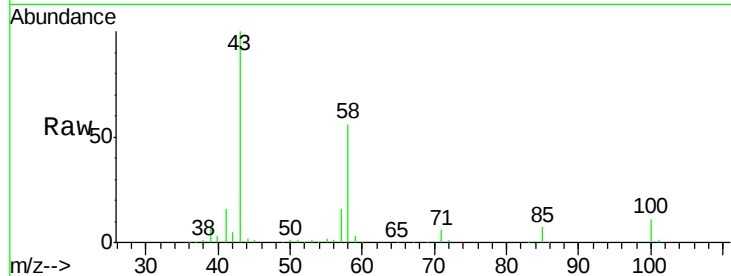
#59
2-Hexanone
Concen: 298.157 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 787343
Ion Ratio Lower Upper
43 100
58 55.8 27.4 82.0

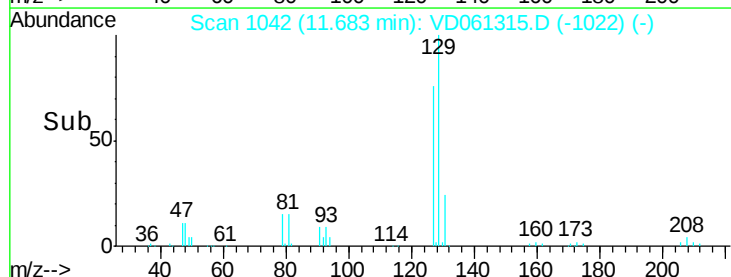
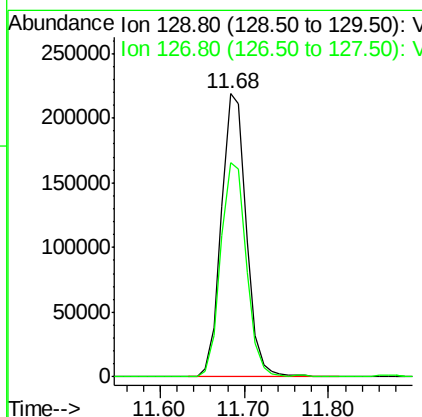
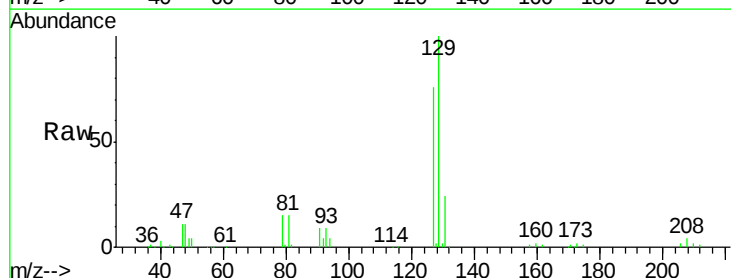
Manual Integrations
APPROVED

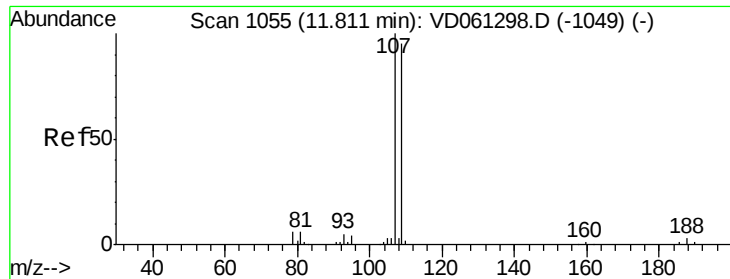
MMDadoda
3/26/2019 11:59:40 AM



#60
Dibromochloromethane
Concen: 56.244 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Tgt Ion: 129 Resp: 450721
Ion Ratio Lower Upper
129 100
127 75.5 39.6 119.0





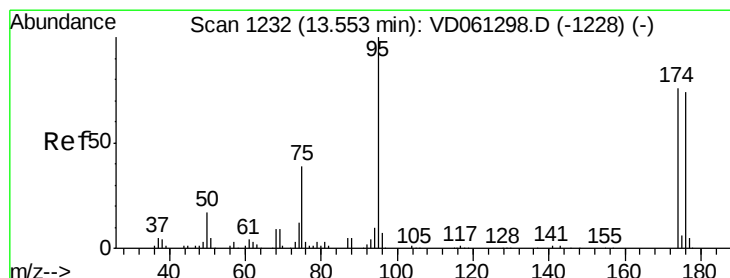
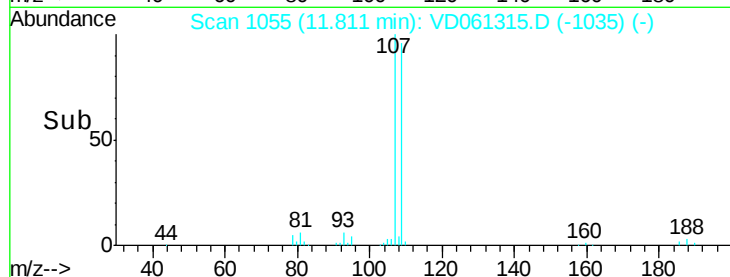
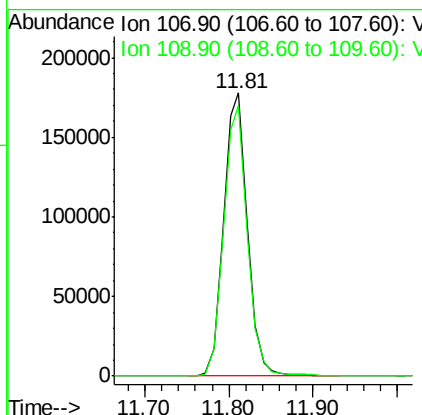
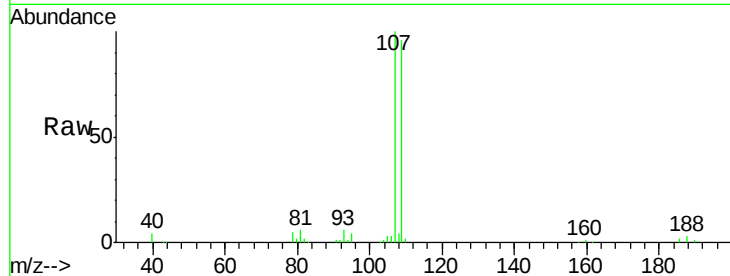
#61
 1,2-Dibromoethane
 Concen: 57.821 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VD061315.D
 Acq: 25 Mar 2019 23:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	76.1	114.1

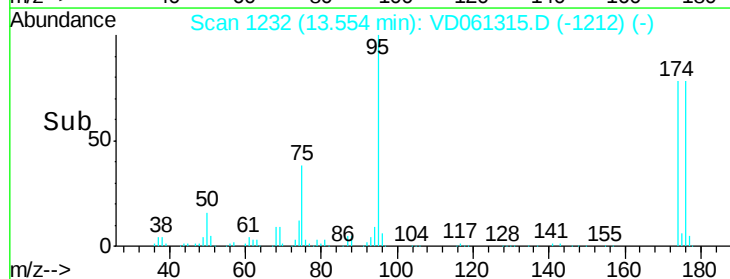
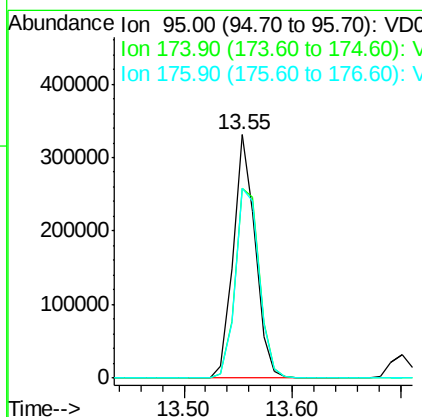
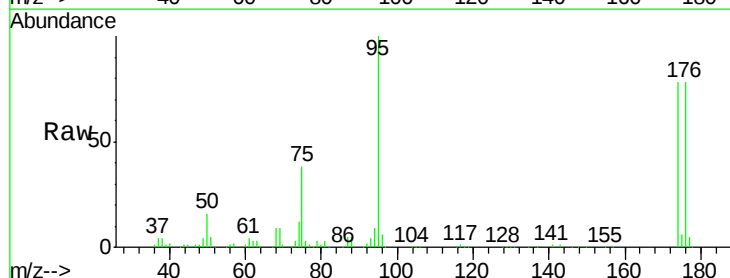
Manual Integrations
 APPROVED

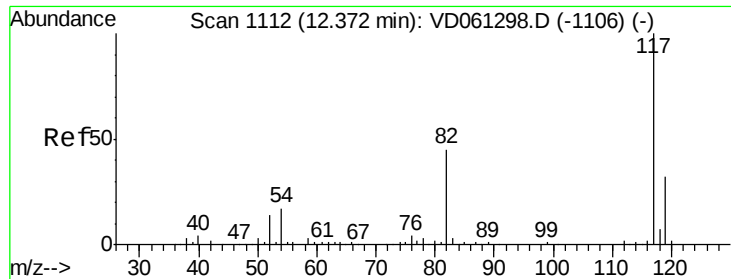
MMDadoda
 3/26/2019 11:59:40 AM



#62
 4-Bromofluorobenzene
 Concen: 57.821 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD061315.D
 Acq: 25 Mar 2019 23:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.1	0.0	151.8
176	77.9	0.0	148.0





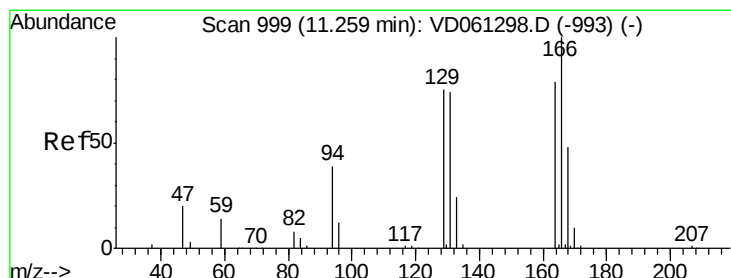
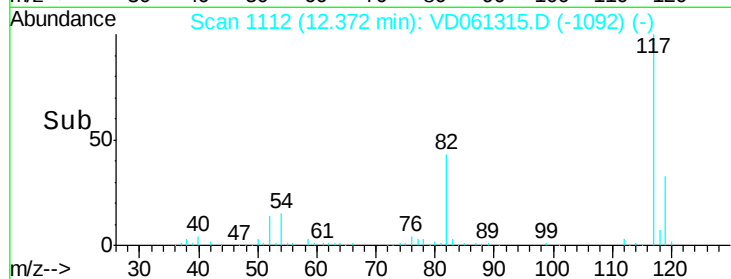
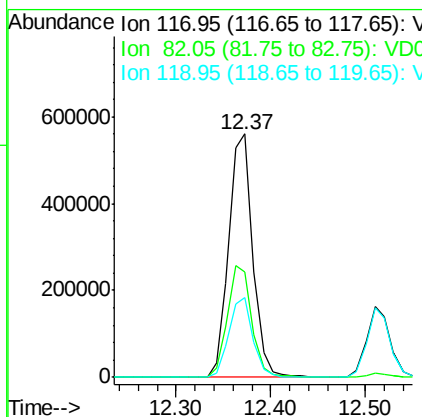
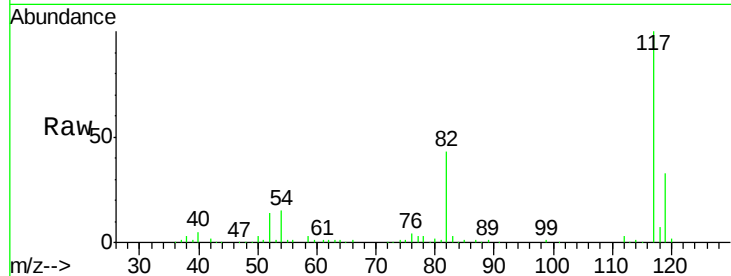
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	988956		
82	43.1		35.7	53.5
119	32.8		25.9	38.9

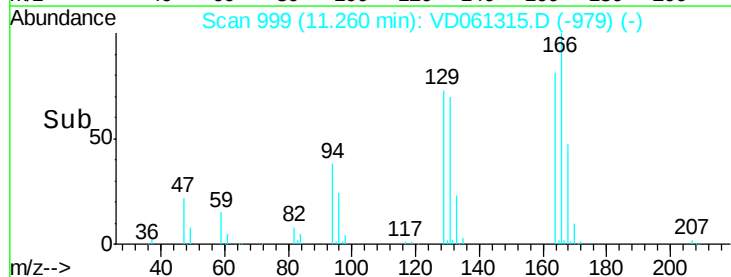
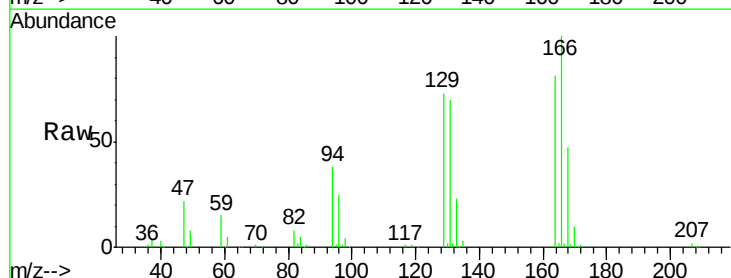
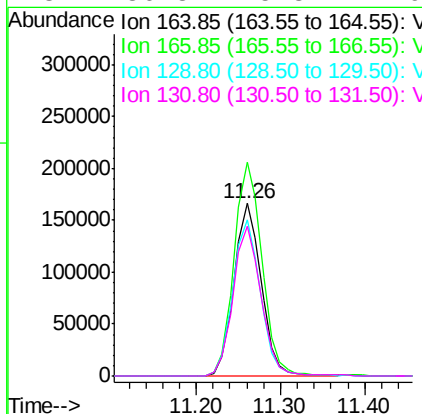
Manual Integrations
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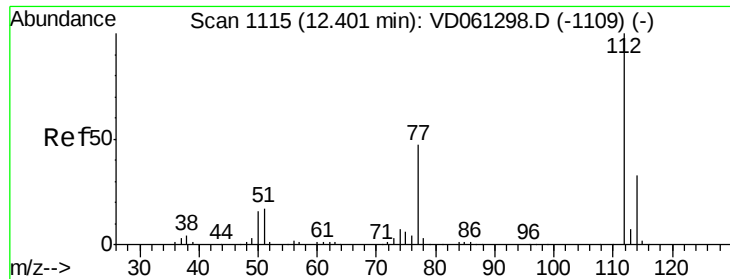
MMDadoda
3/26/2019 11:59:40 AM



#64
Tetrachloroethene
Concen: 55.070 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	375173		
166	123.8		101.6	152.4
129	90.5		75.9	113.9
131	86.8		75.3	112.9





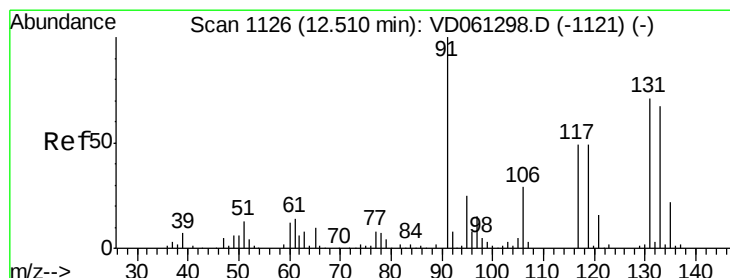
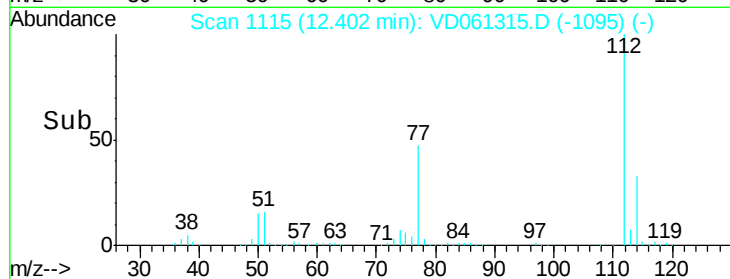
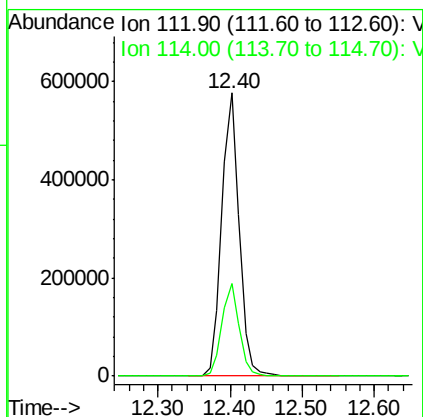
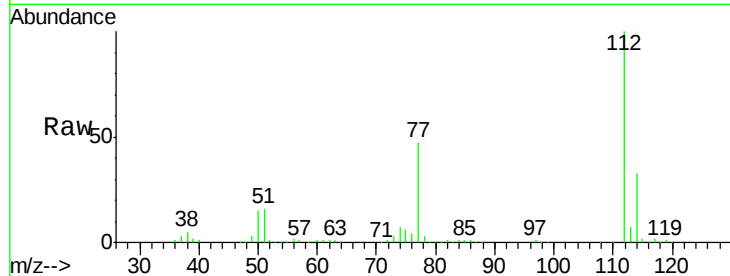
#65
Chlorobenzene
Concen: 52.849 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 962676
Ion Ratio Lower Upper
112 100
114 32.6 26.5 39.7

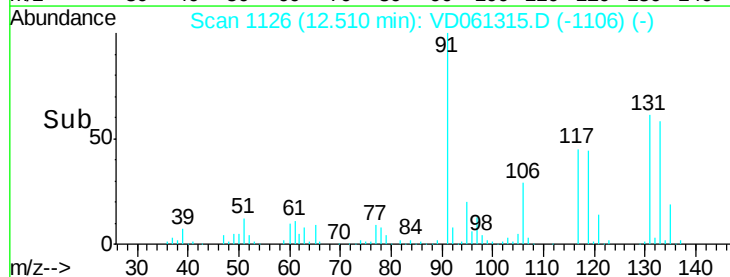
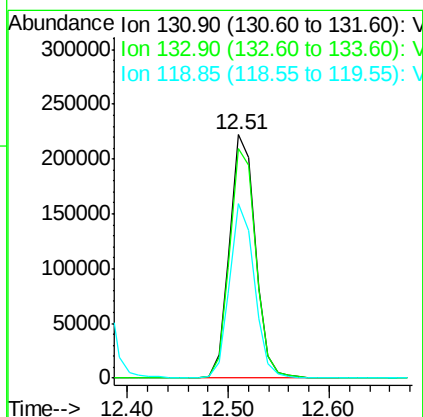
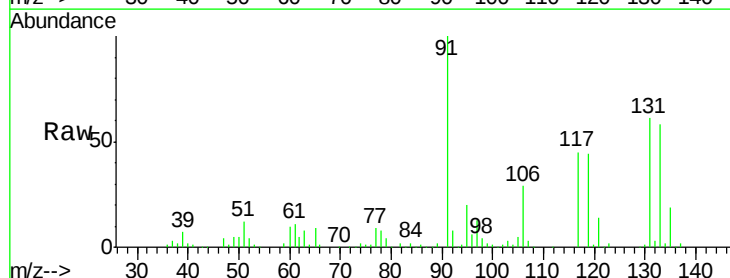
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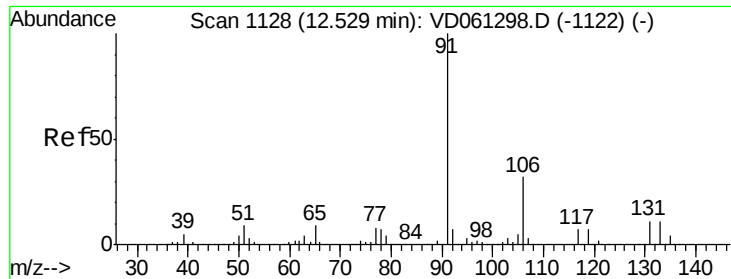
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3/26/2019 11:59:40 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 55.934 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Tgt Ion:131 Resp: 395020
Ion Ratio Lower Upper
131 100
133 94.4 47.0 141.2
119 71.7 34.8 104.5





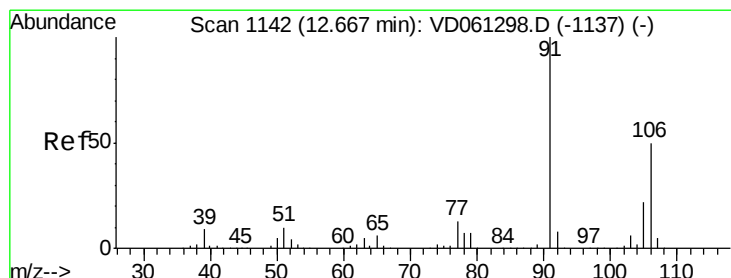
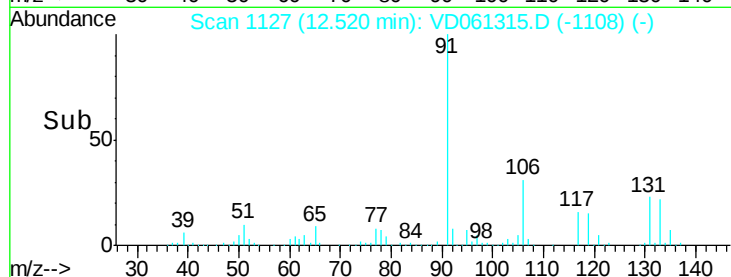
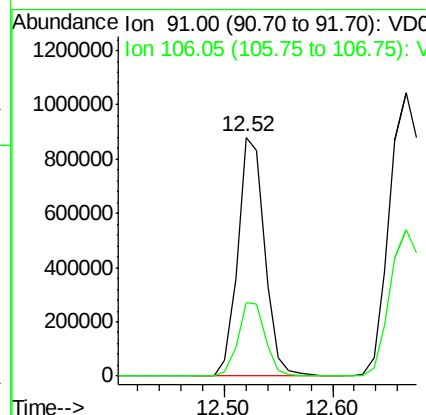
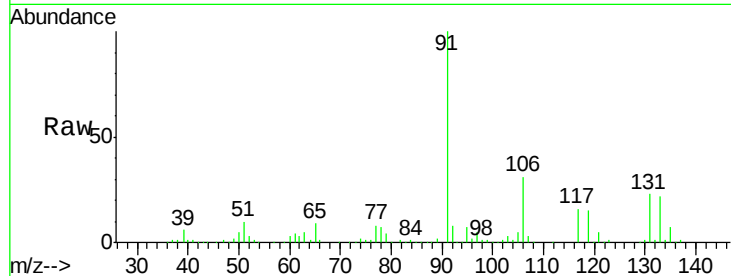
#67
Ethyl Benzene
Concen: 54.728 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1525661
Ion Ratio Lower Upper
91 100
106 31.0 25.8 38.8

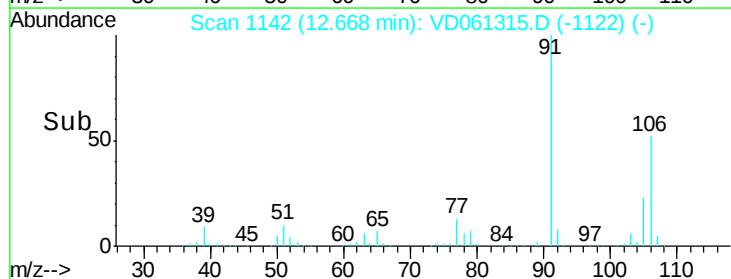
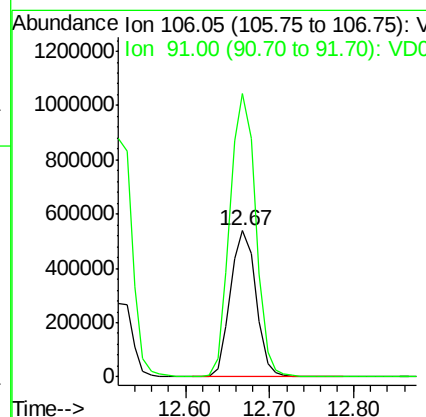
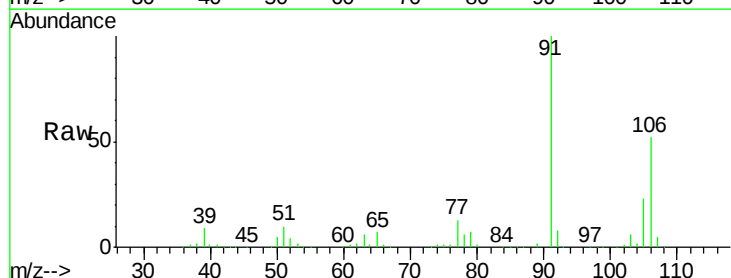
Manual Integrations
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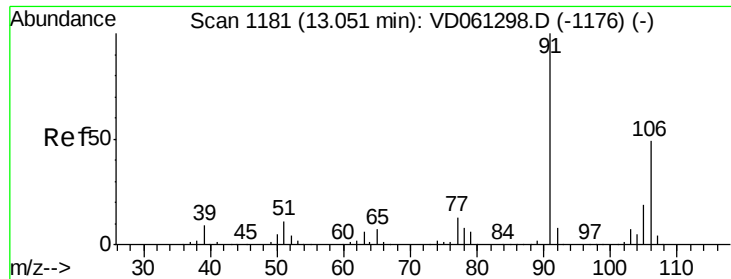
MMDadoda
3/26/2019 11:59:40 AM



#68
m/p-Xylenes
Concen: 104.059 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Tgt Ion: 106 Resp: 1132360
Ion Ratio Lower Upper
106 100
91 193.7 159.2 238.8





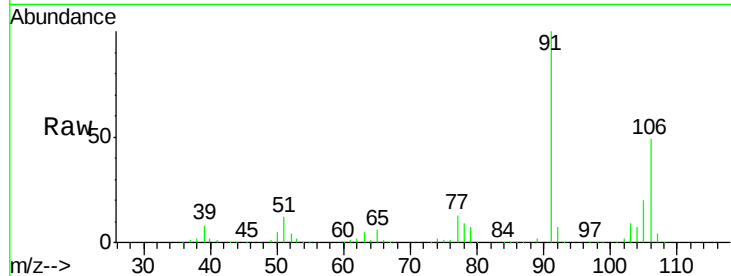
#69
o-Xylene
Concen: 56.934 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

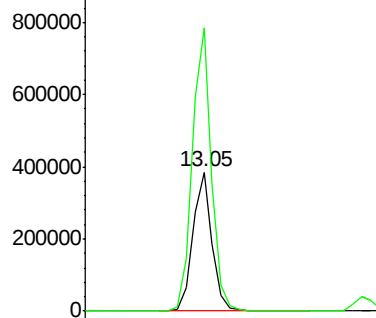
Tot Ion:106 Resp: 574608
Ion Ratio Lower Upper
106 100
91 204.0 102.5 307.5

Manual Integrations
APPROVED

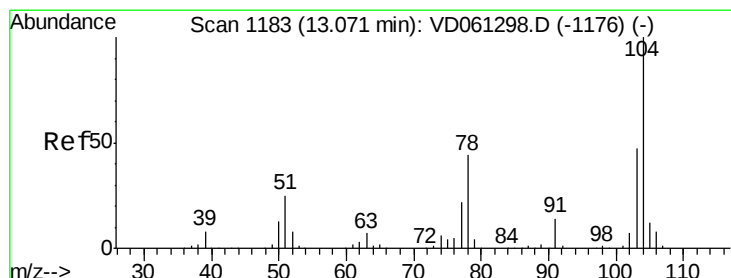
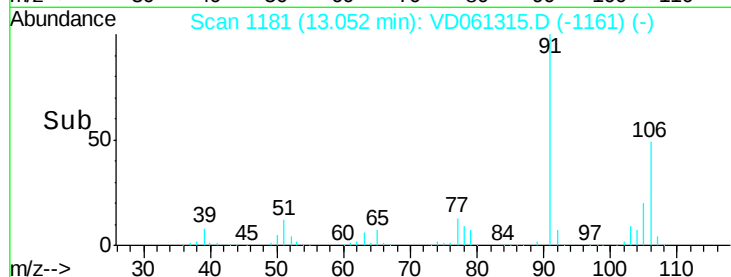
MMDadoda
3/26/2019 11:59:40 AM



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

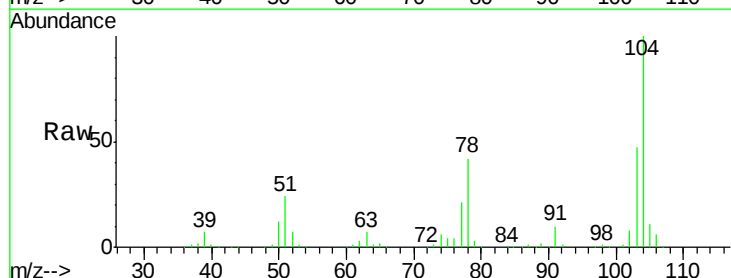


Time-->

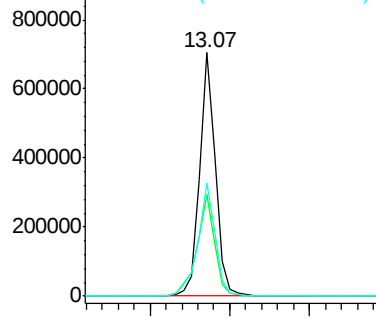


#70
Styrene
Concen: 57.729 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

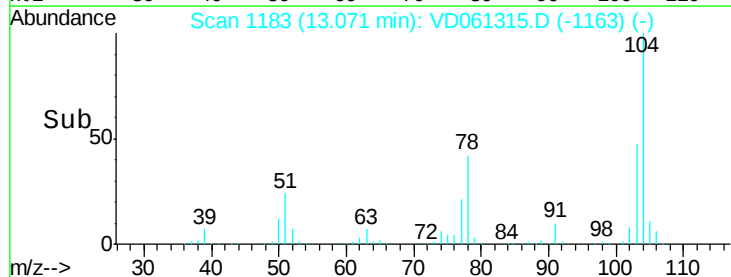
Tgt Ion:104 Resp: 988808
Ion Ratio Lower Upper
104 100
78 41.6 35.1 52.7
103 46.6 37.5 56.3

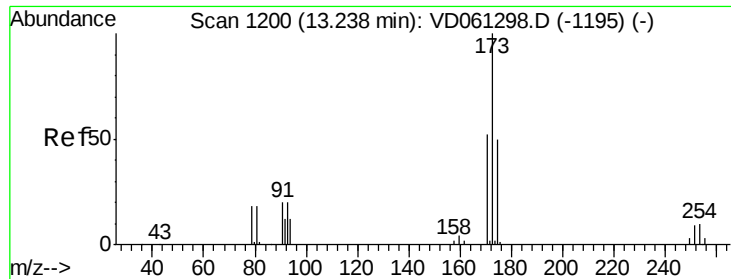


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V



Time-->





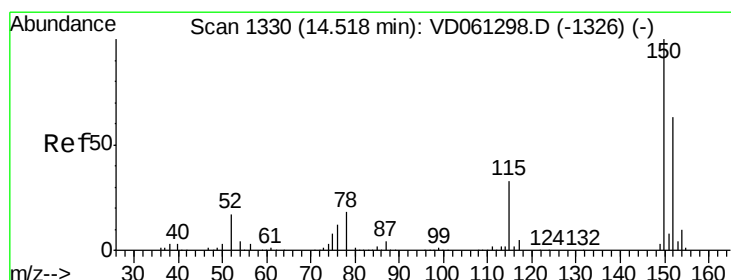
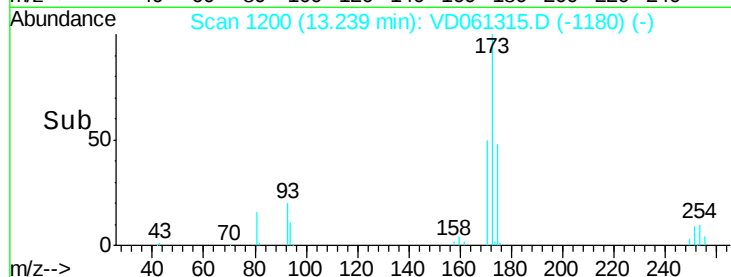
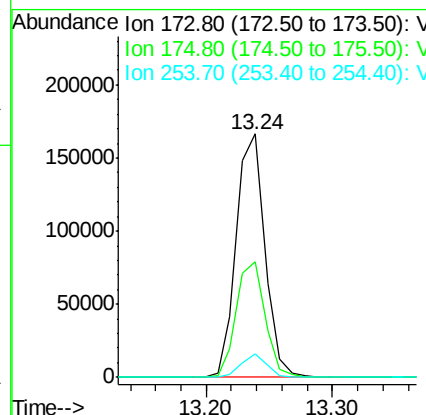
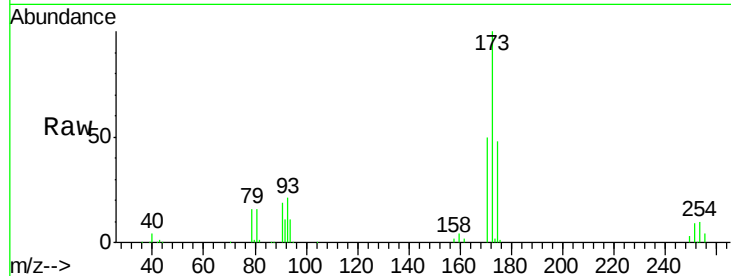
#71
Bromoform
Concen: 60.160 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.9	74.7
254	9.7	7.8	11.6

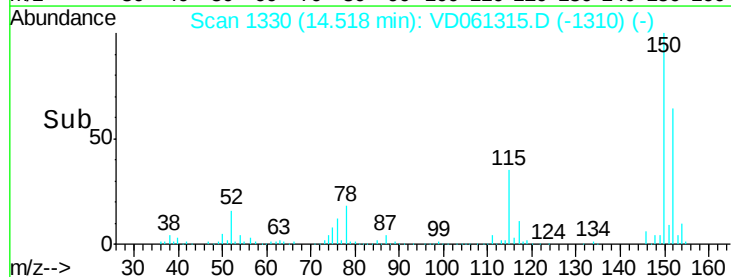
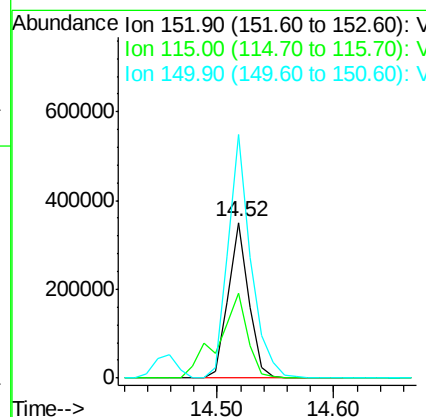
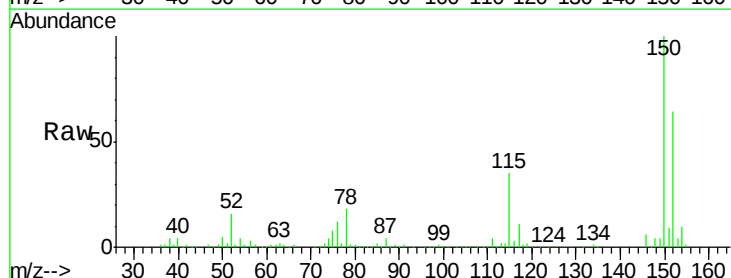
Manual Integrations
APPROVED

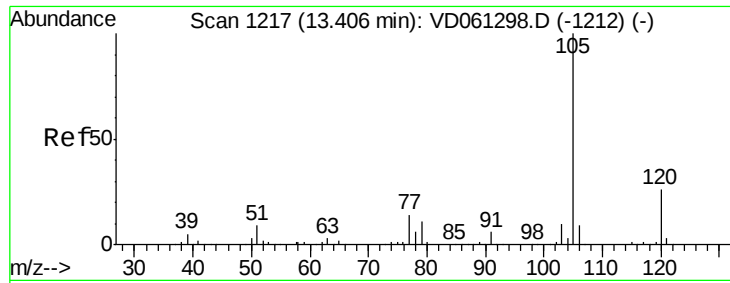
MMDadoda
3/26/2019 11:59:40 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.2	29.2	87.6
150	156.4	0.0	319.6





#73

Isopropylbenzene

Concen: 51.530 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1438482

Ion Ratio Lower Upper

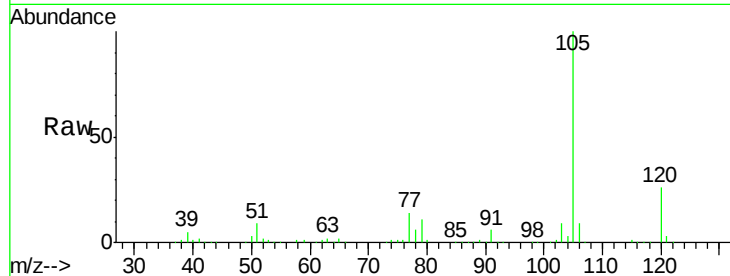
105 100

120 26.0 13.1 39.1

Manual Integrations
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

800000

600000

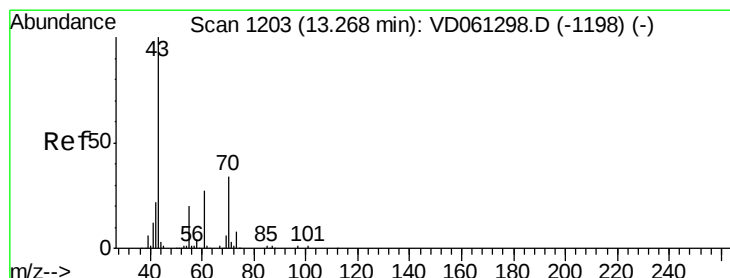
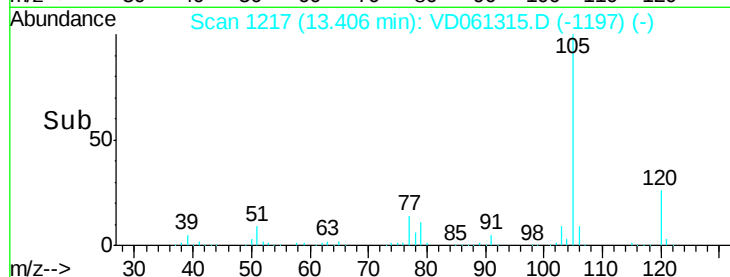
400000

200000

0

Time-->

13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 54.235 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Tgt Ion: 43 Resp: 396105

Ion Ratio Lower Upper

43 100

70 33.5 27.5 41.3

55 18.9 15.7 23.5

61 28.0 21.8 32.6

Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

400000

300000

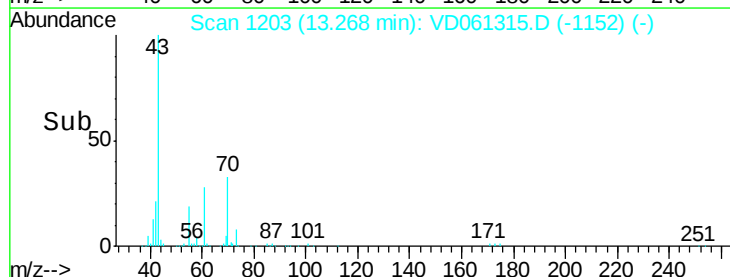
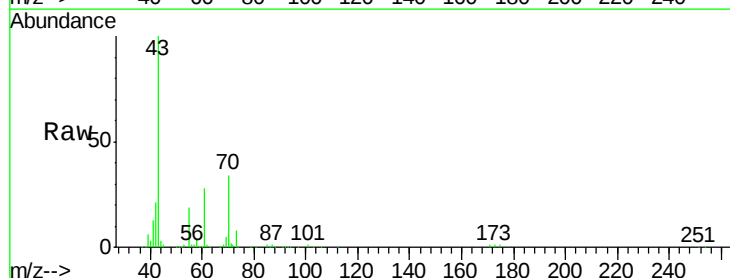
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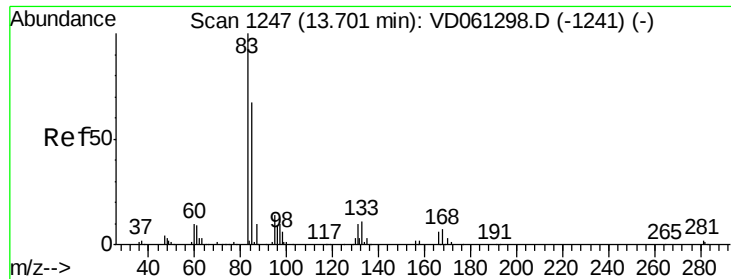
100000

0

Time-->

13.20 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: 57.671 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Instrument :

MSVOA_D

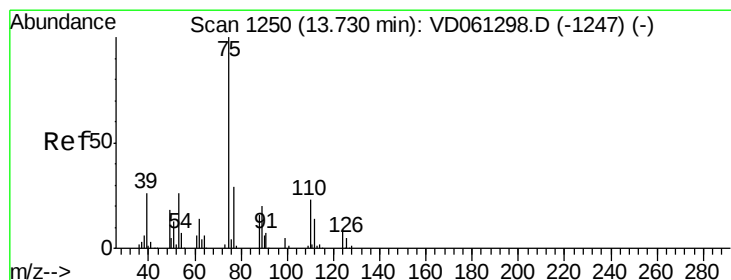
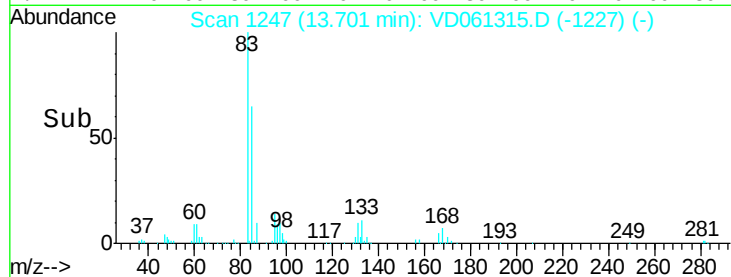
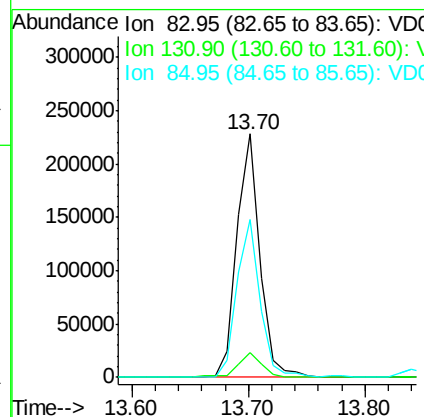
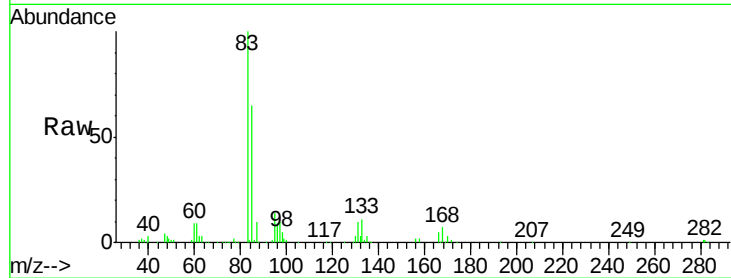
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	312196
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.0	15.0
85	64.6	33.4	100.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 57.568 ug/l

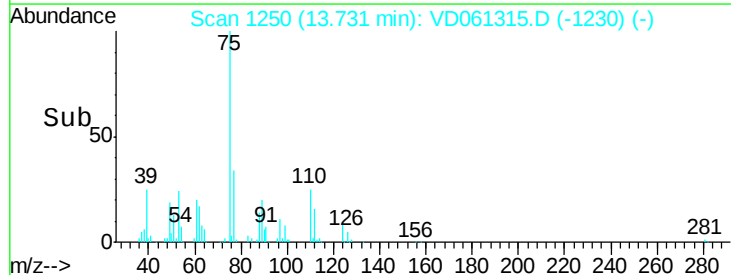
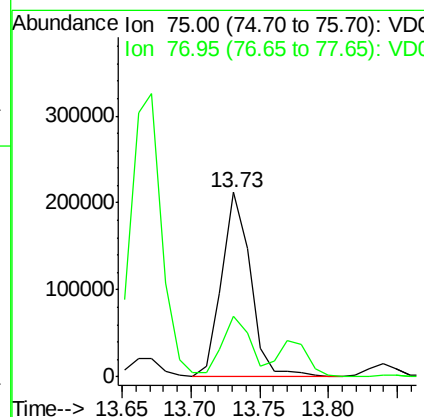
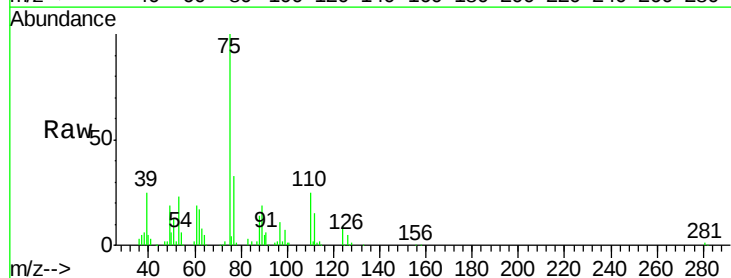
RT: 13.73 min Scan# 1250

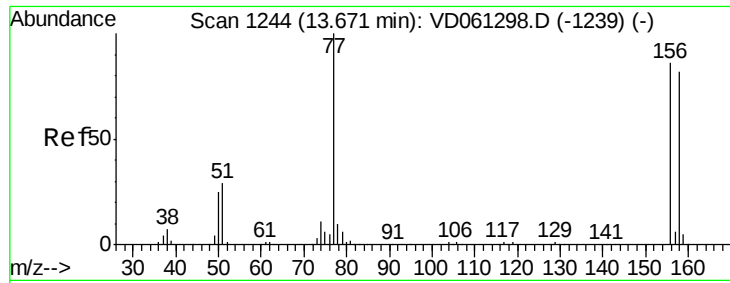
Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Tgt Ion:	75	Resp:	307271
Ion Ratio	Lower	Upper	
75	100		
77	32.6	15.8	47.4





#77

Bromobenzene

Concen: 53.370 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Instrument :

MSVOA_D

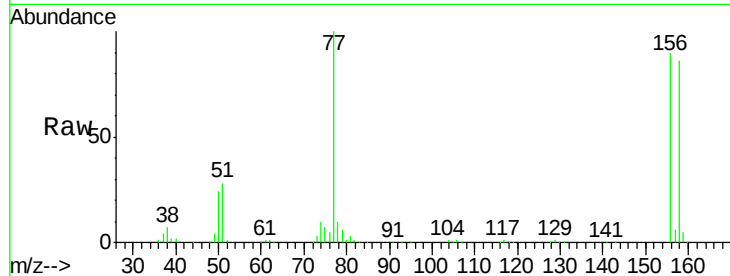
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	416158
Ion Ratio	Lower	Upper	
156	100		
77	111.6	58.4	175.1
158	96.0	48.1	144.3

Manual Integrations
APPROVED

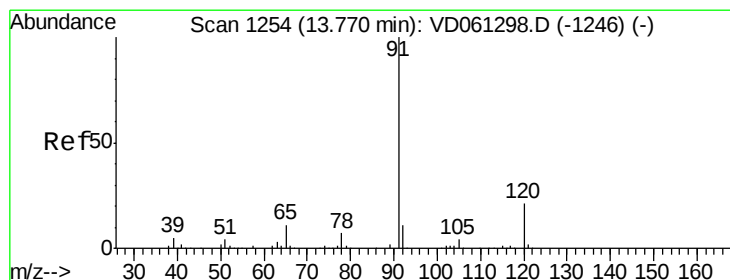
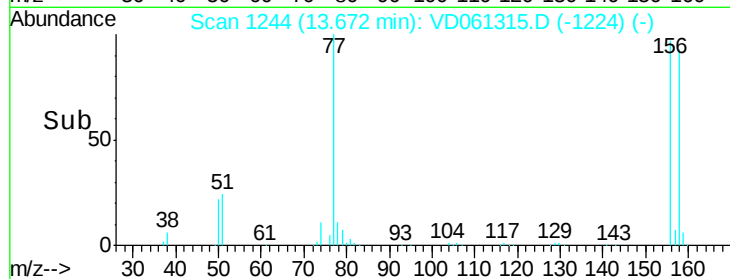
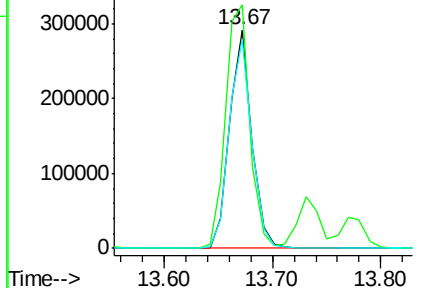
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 53.098 ug/l

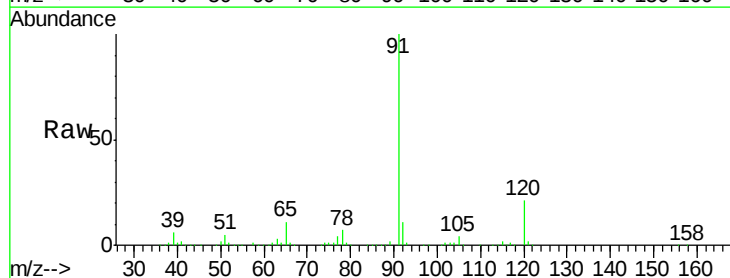
RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD061315.D

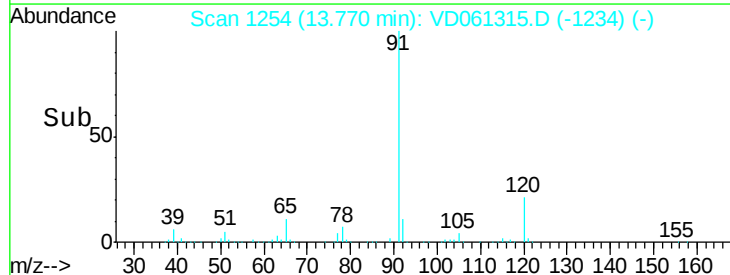
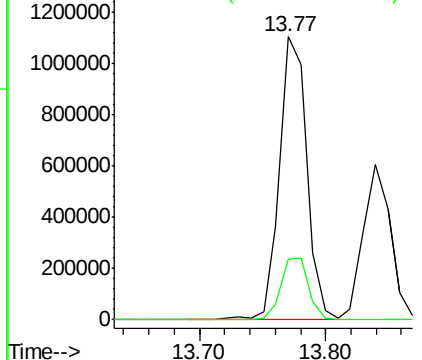
Acq: 25 Mar 2019 23:12

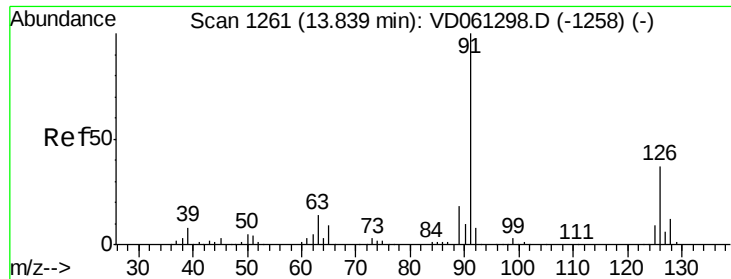
Tgt Ion:	91	Resp:	1672308
Ion Ratio	Lower	Upper	
91	100		
120	21.4	10.7	32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 49.707 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 911491

Ion Ratio Lower Upper

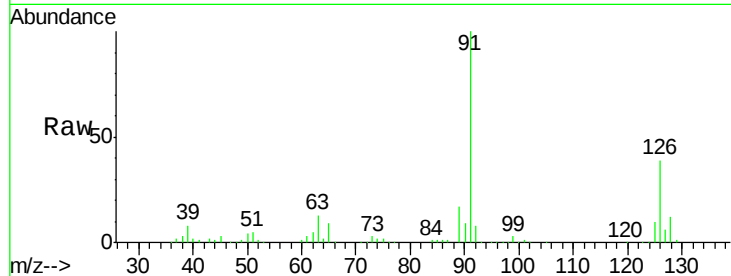
91 100

126 39.2 18.4 55.4

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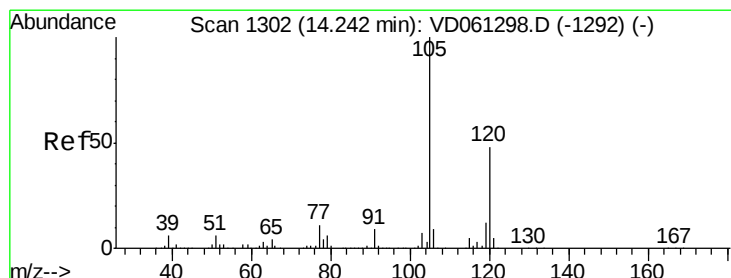
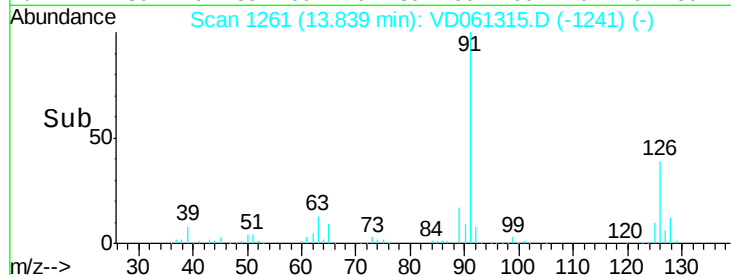
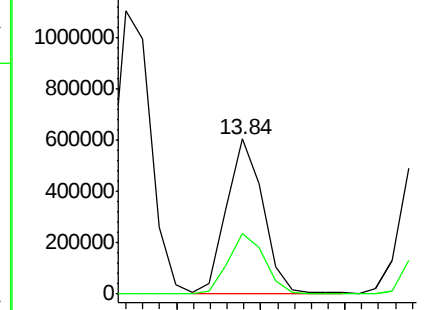
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Abundance Ion 91.00 (90.70 to 91.70): VD061298.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD061298.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 56.148 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VD061315.D

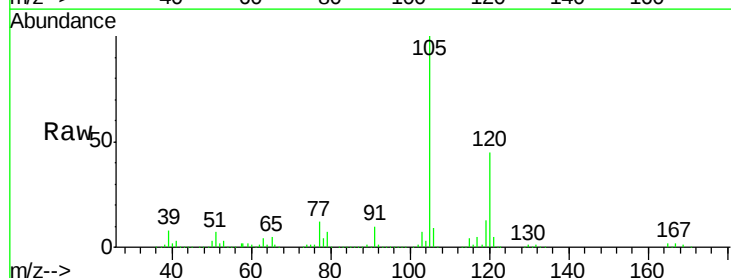
Acq: 25 Mar 2019 23:12

Tgt Ion: 105 Resp: 1236493

Ion Ratio Lower Upper

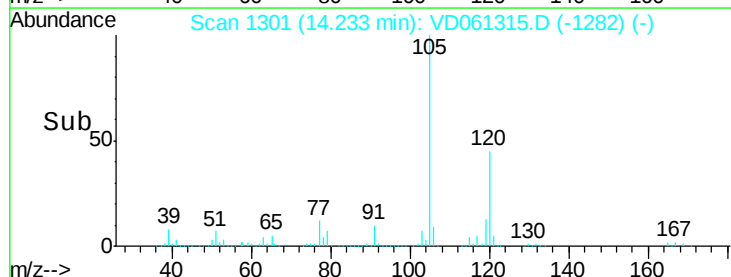
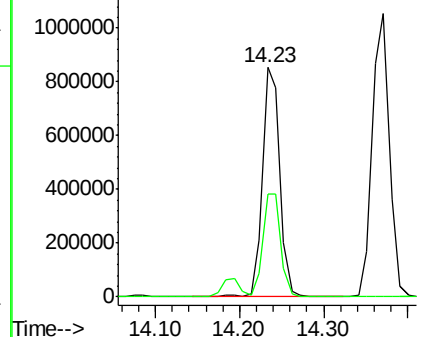
105 100

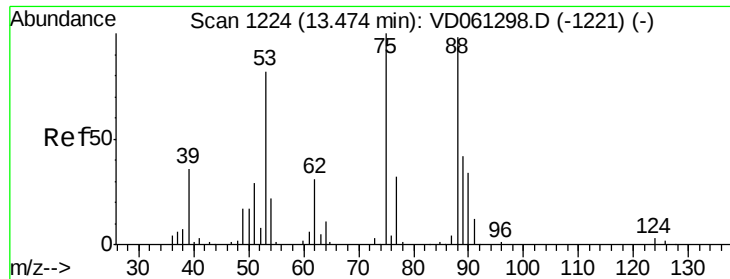
120 45.0 23.8 71.4



Abundance Ion 105.05 (104.75 to 105.75): VD061298.D (-1292) (-)

Ion 120.05 (119.75 to 120.75): VD061298.D (-1292) (-)





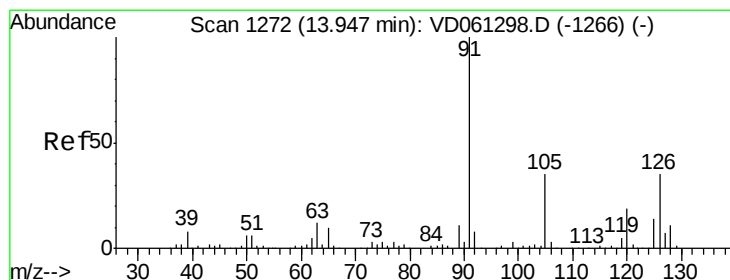
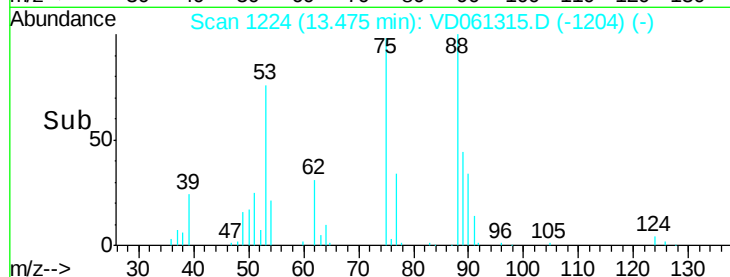
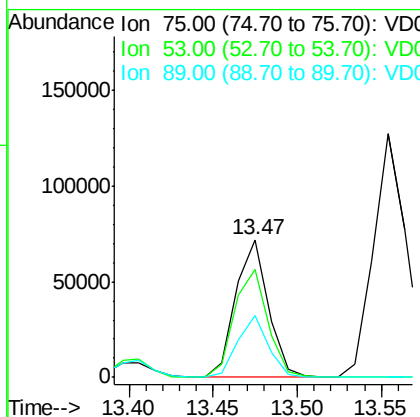
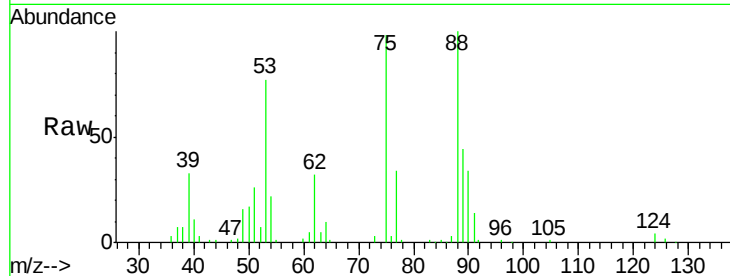
#81
trans-1,4-Dichloro-2-butene
Concen: 58.047 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	78.7	65.3	97.9
89	44.7	33.8	50.6

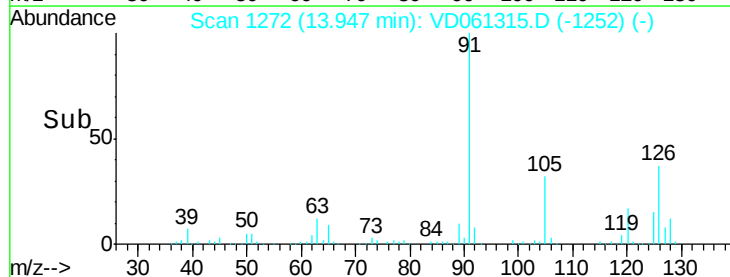
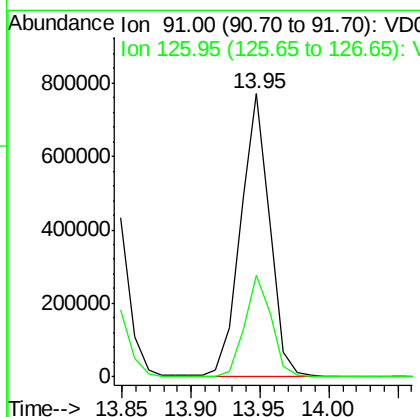
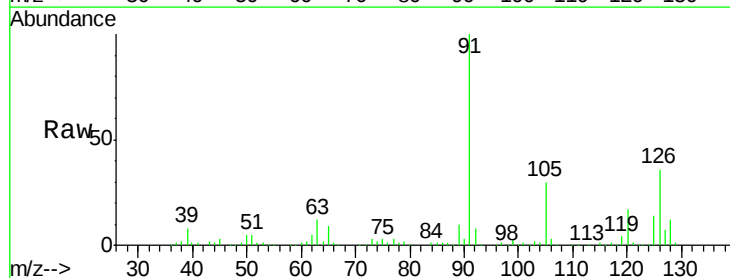
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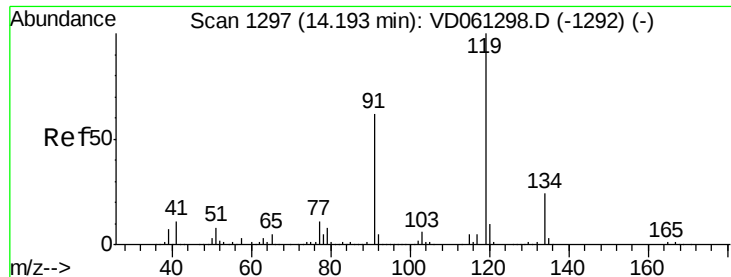
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#82
4-Chlorotoluene
Concen: 55.809 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.1	17.7	53.1





#83

tert-Butylbenzene

Concen: 55.878 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 1405000

Ion Ratio Lower Upper

119 100

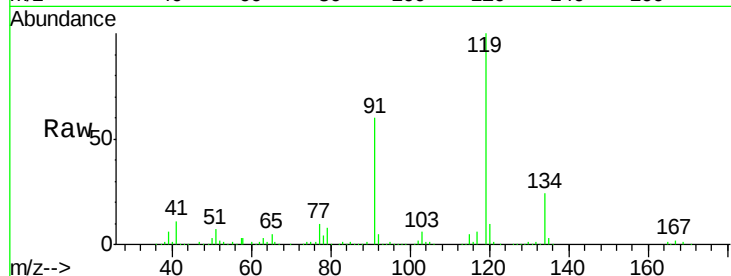
91 59.5 31.1 93.5

134 24.2 11.9 35.7

Manual Integrations
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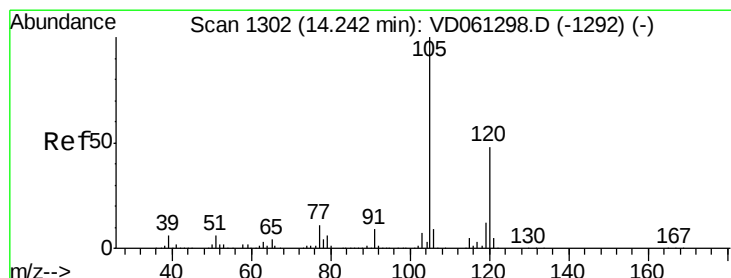
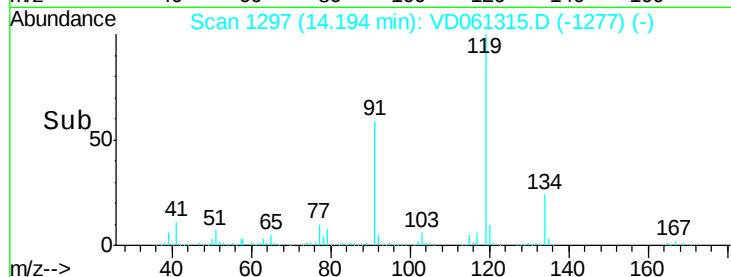
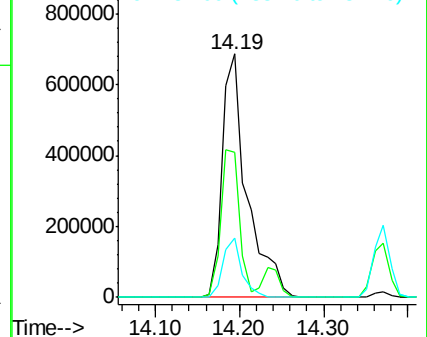
3/26/2019 11:59:40 AM



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 56.148 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VD061315.D

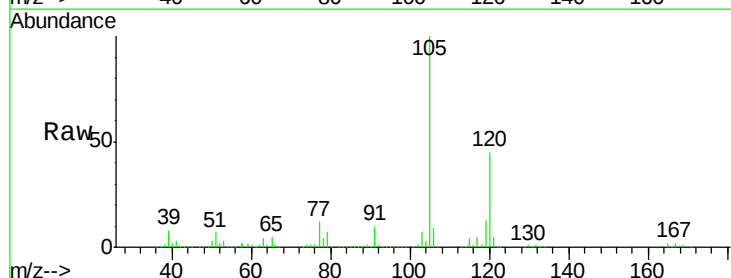
Acq: 25 Mar 2019 23:12

Tgt Ion:105 Resp: 1236493

Ion Ratio Lower Upper

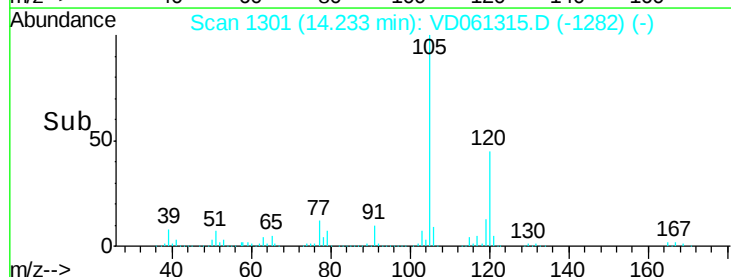
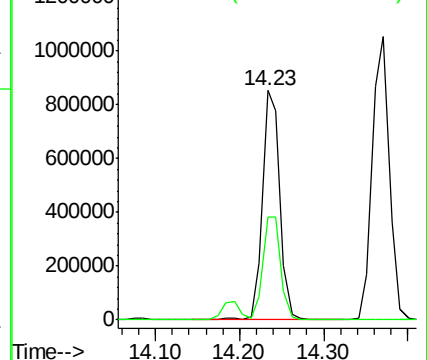
105 100

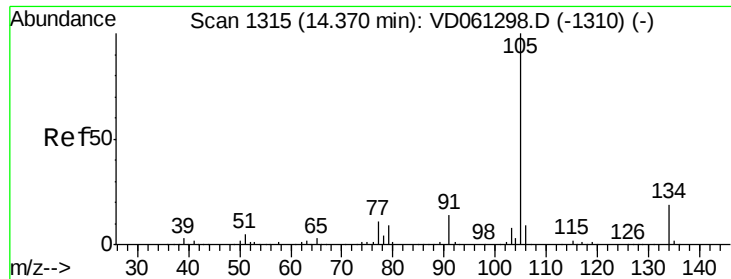
120 45.0 23.8 71.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 52.913 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

Tot Ion:105 Resp: 1481693

Ion Ratio Lower Upper

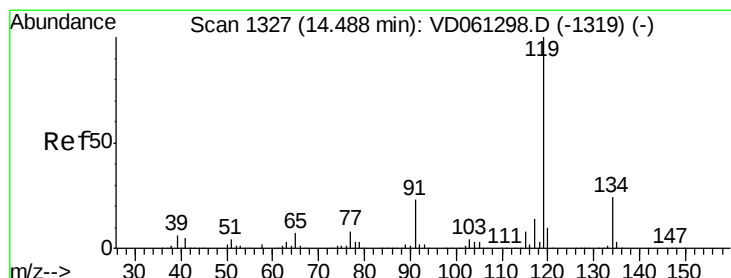
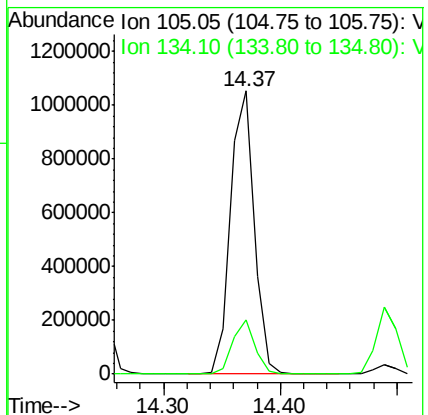
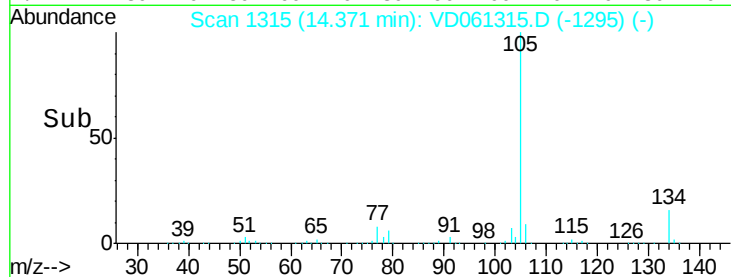
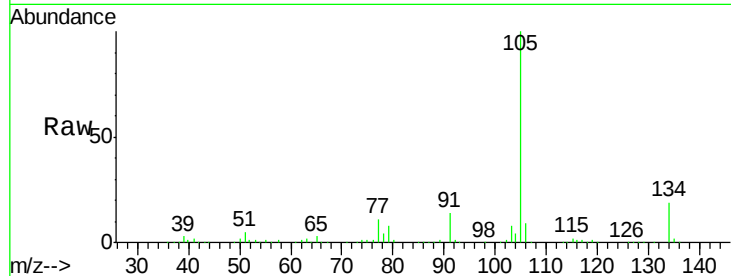
105 100

134 19.2 9.5 28.5

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 52.104 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD061315.D

Acq: 25 Mar 2019 23:12

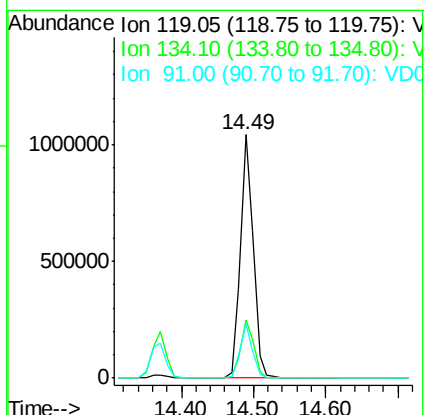
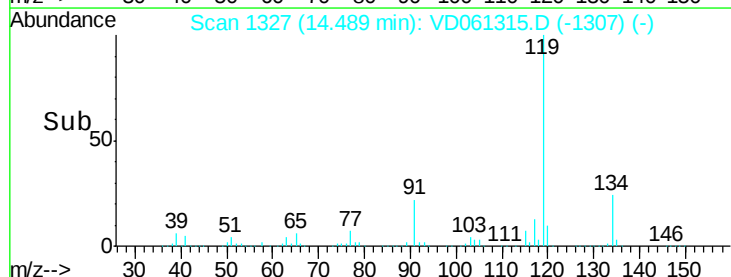
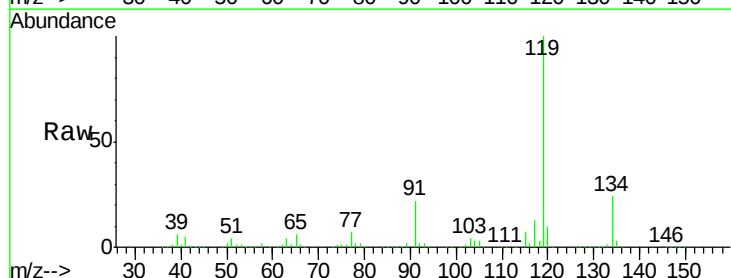
Tgt Ion:119 Resp: 1301695

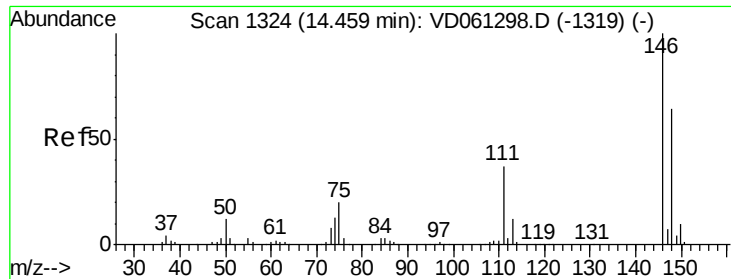
Ion Ratio Lower Upper

119 100

134 24.1 12.1 36.3

91 22.2 11.4 34.2





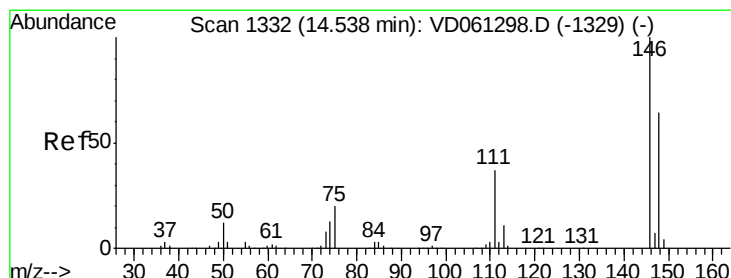
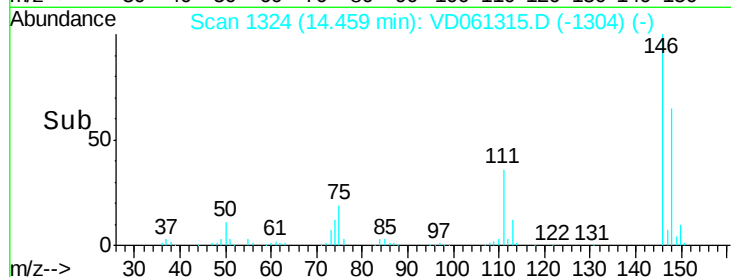
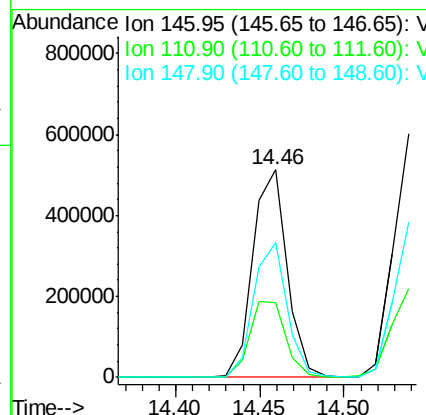
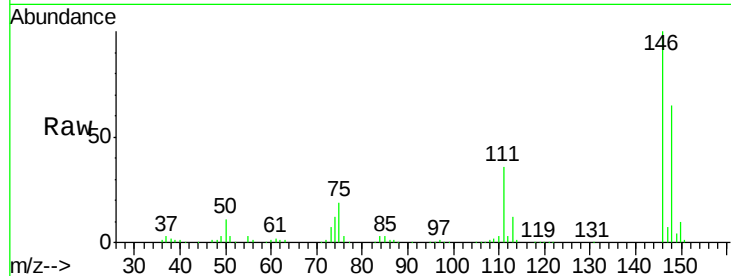
#87
 1,3-Dichlorobenzene
 Concen: 52.328 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD061315.D
 Acq: 25 Mar 2019 23:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.9	18.4	55.0
148	65.2	32.0	96.2

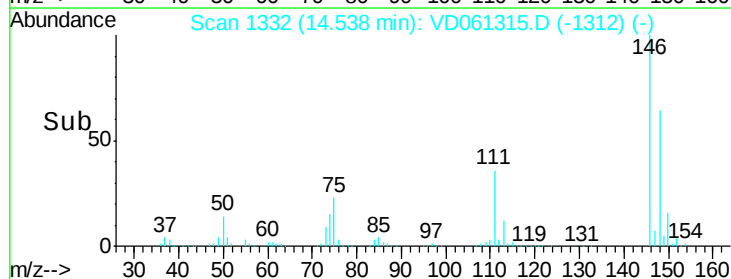
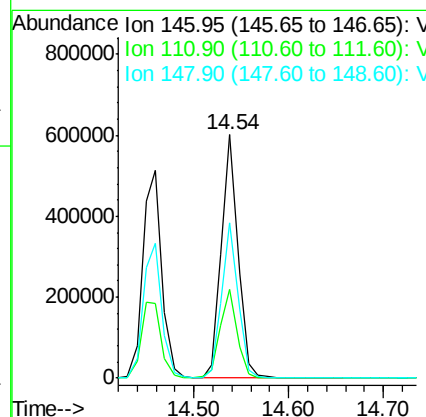
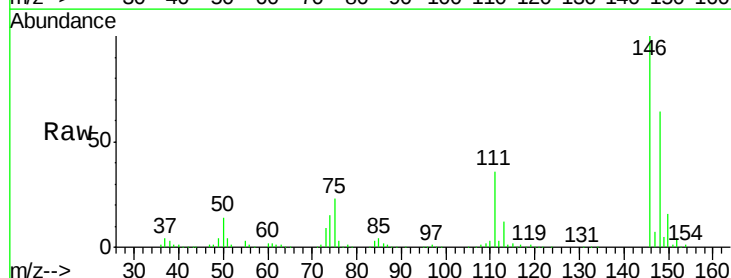
Manual Integrations
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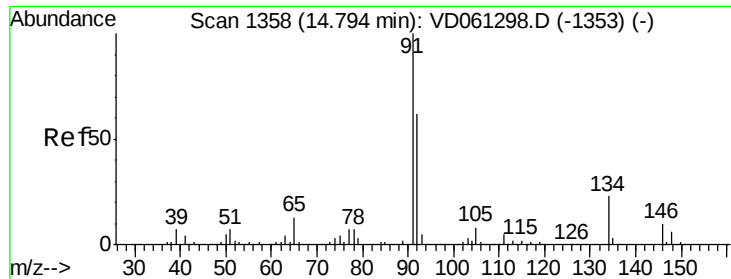
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#88
 1,4-Dichlorobenzene
 Concen: 54.891 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD061315.D
 Acq: 25 Mar 2019 23:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.6	55.6
148	64.0	31.9	95.5





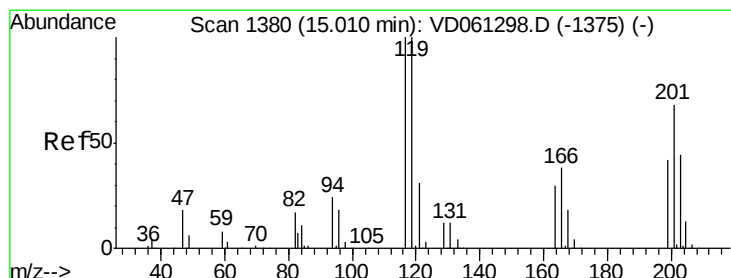
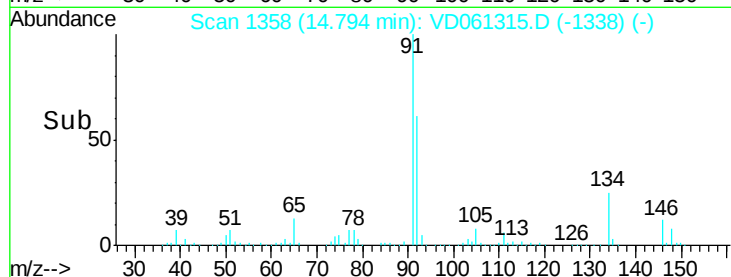
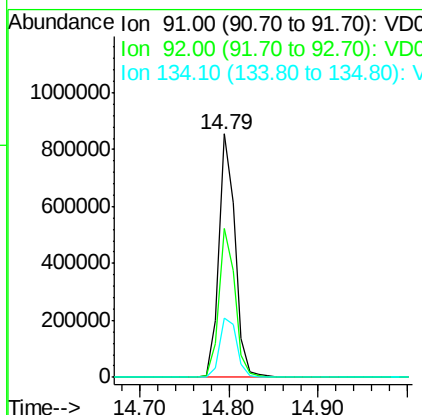
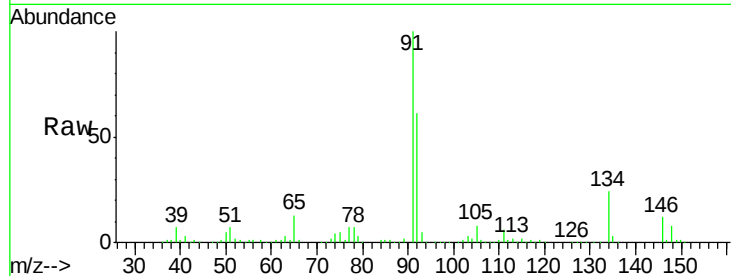
#89
n-Butylbenzene
Concen: 49.458 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1096979
Ion Ratio Lower Upper
91 100
92 61.4 30.9 92.7
134 24.5 11.7 35.0

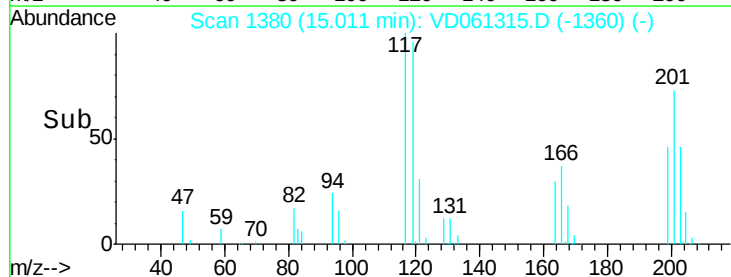
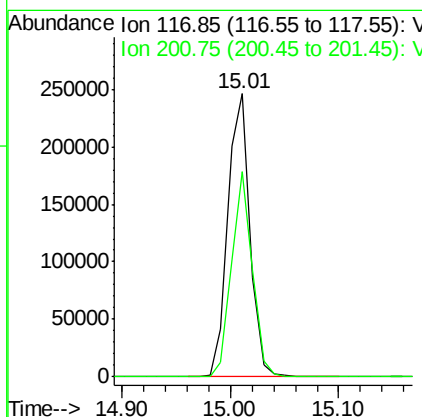
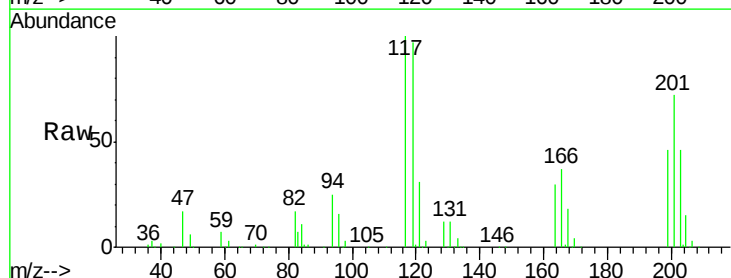
Manual Integrations
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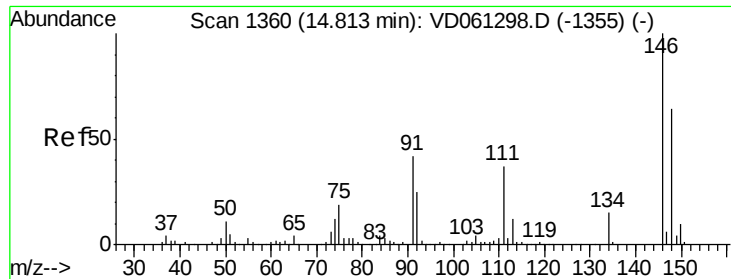
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3/26/2019 11:59:40 AM



#90
Hexachloroethane
Concen: 52.157 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Tgt Ion: 117 Resp: 349357
Ion Ratio Lower Upper
117 100
201 72.5 34.0 101.8





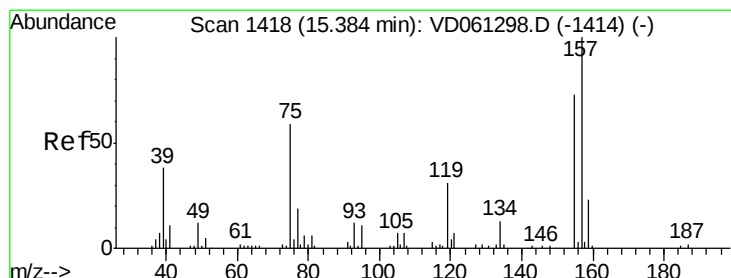
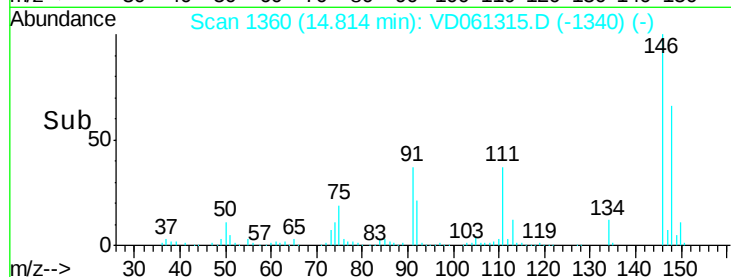
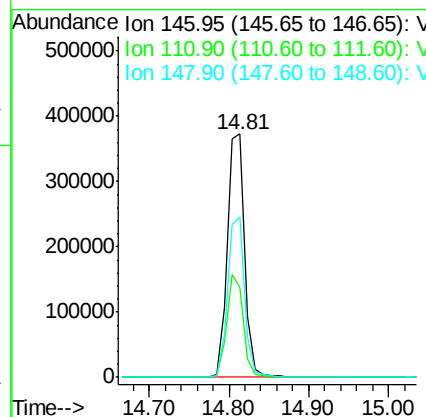
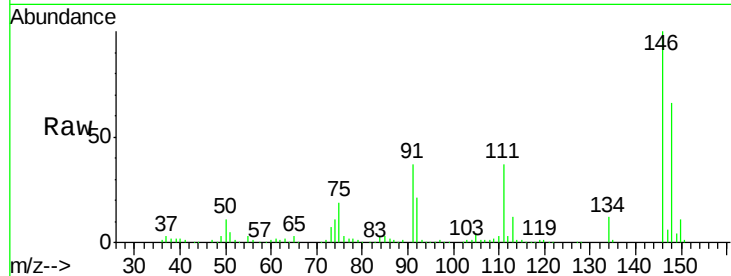
#91
 1,2-Dichlorobenzene
 Concen: 51.828 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD061315.D
 Acq: 25 Mar 2019 23:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.3	54.8
148	65.9	31.9	95.7

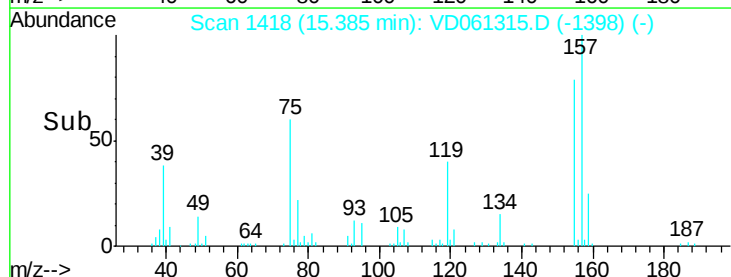
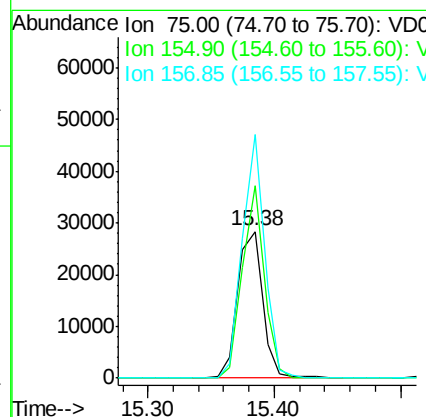
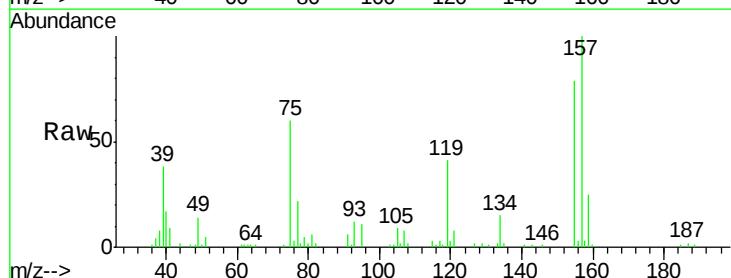
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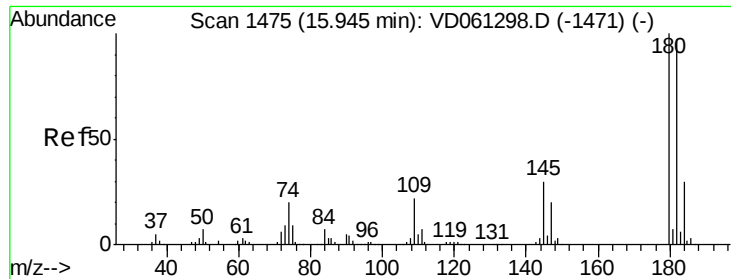
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.864 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD061315.D
 Acq: 25 Mar 2019 23:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	131.6	61.9	185.7
157	166.1	84.4	253.2





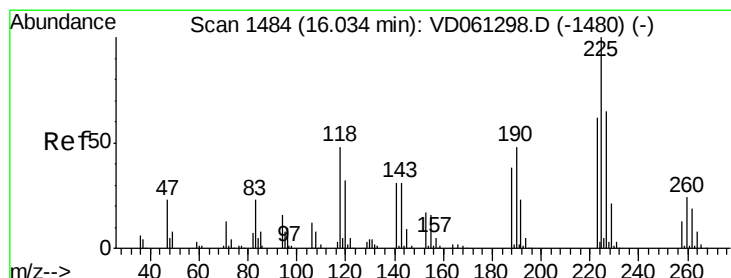
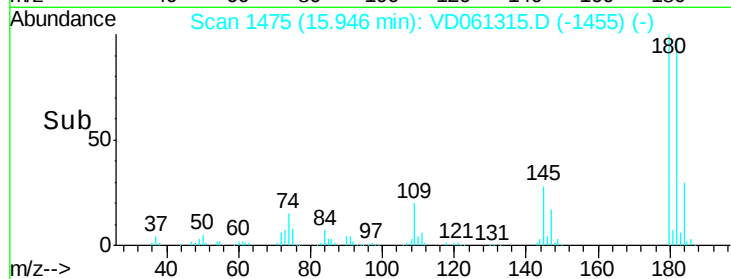
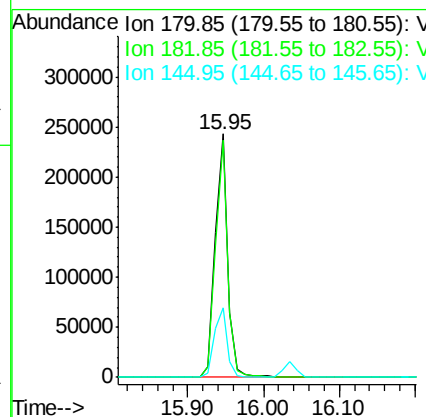
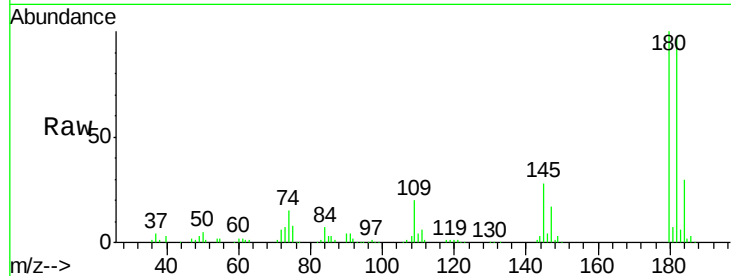
#93
 1,2,4-Trichlorobenzene
 Concen: 56.061 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD061315.D
 Acq: 25 Mar 2019 23:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	285541		
182	97.2	48.3	144.9	
145	28.4	14.8	44.4	

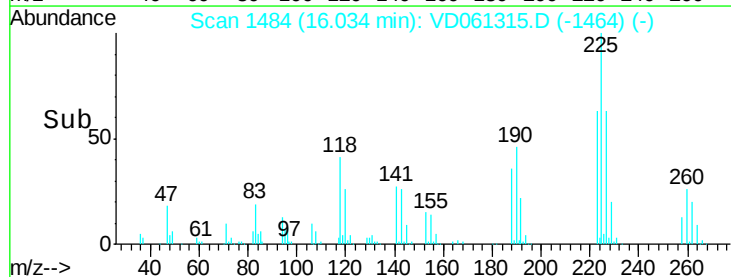
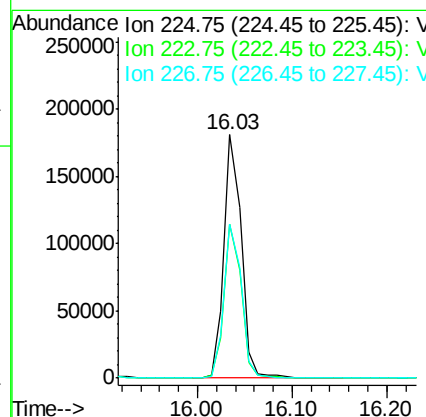
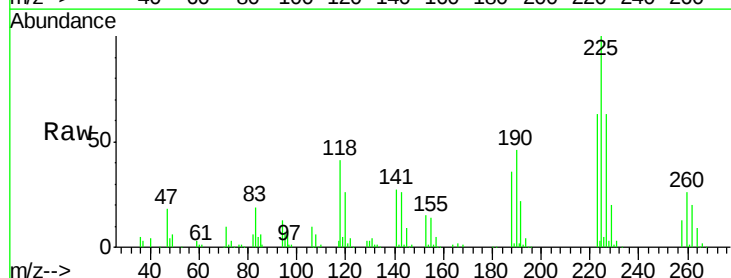
Manual Integrations
 APPROVED

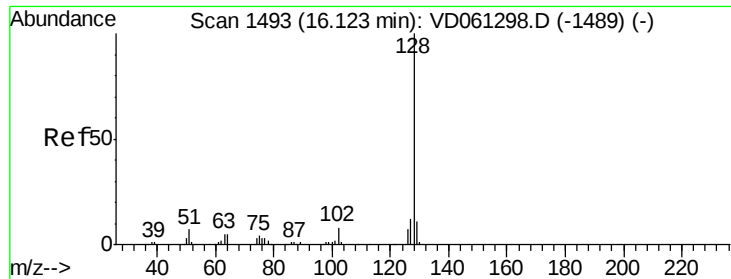
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#94
 Hexachlorobutadiene
 Concen: 56.050 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD061315.D
 Acq: 25 Mar 2019 23:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	230034		
223	63.5	30.9	92.8	
227	63.1	32.6	97.7	





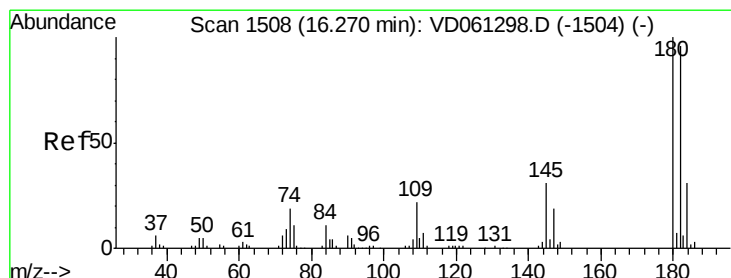
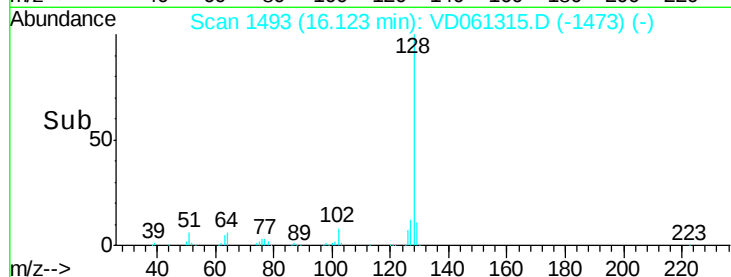
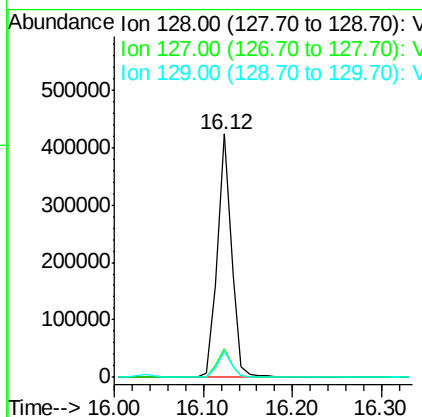
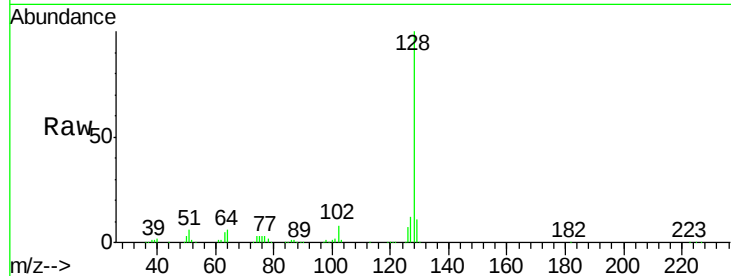
#95
Naphthalene
Concen: 63.728 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.8	9.8	14.6
129	10.5	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 56.781 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD061315.D
Acq: 25 Mar 2019 23:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.0	144.2
145	29.2	15.4	46.4

