

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
 Data File : VD061330.D
 Acq On : 26 Mar 2019 8:57
 Operator : VA/AP
 Sample : VD0325SBS03
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBS03

Quant Time: Mar 26 10:01:07 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	7.04	168	722745	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.21	114	1251463	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	992334	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	449563	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	324873	52.10	ug/l	-0.01
Spiked Amount 50.000			Recovery =	104.20%		
35) Dibromofluoromethane	6.91	113	498564	52.06	ug/l	-0.02
Spiked Amount 50.000			Recovery =	104.12%		
50) Toluene-d8	10.40	98	1108752	47.75	ug/l	-0.01
Spiked Amount 50.000			Recovery =	95.50%		
62) 4-Bromofluorobenzene	13.55	95	435738	48.11	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.22%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	155544	21.049	ug/l	95
3) Chloromethane	1.77	50	136901	23.749	ug/l	98
4) Vinyl Chloride	1.85	62	126707	23.509	ug/l	99
5) Bromomethane	2.16	94	21129	19.314	ug/l	99
6) Chloroethane	2.26	64	30243	17.836	ug/l	94
7) Trichlorofluoromethane	2.52	101	155082	19.466	ug/l	95
8) Diethyl Ether	2.88	74	53837	22.727	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.15	101	189646	23.387	ug/l	95
10) Methyl Iodide	3.31	142	208079	18.367	ug/l	96
11) Tert butyl alcohol	4.06	59	39095	117.777	ug/l	96
12) 1,1-Dichloroethene	3.13	96	169908	24.351	ug/l	96
13) Acrolein	3.04	56	42079	115.812	ug/l	99
14) Allyl chloride	3.62	41	224611	22.692	ug/l	98
15) Acrylonitrile	4.19	53	130824	112.067	ug/l	96
16) Acetone	3.22	43	165176	110.743	ug/l	99
17) Carbon Disulfide	3.38	76	525985	22.698	ug/l	99
18) Methyl Acetate	3.65	43	68235	24.203	ug/l	97
19) Methyl tert-butyl Ether	4.24	73	271188	22.069	ug/l	100
20) Methylene Chloride	3.81	84	197989	23.388	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	173372	22.210	ug/l	99
22) Diisopropyl ether	5.12	45	487623	23.386	ug/l	97
23) Vinyl Acetate	5.05	43	1321815	118.691	ug/l	100
24) 1,1-Dichloroethane	4.99	63	284611	23.423	ug/l	98
25) 2-Butanone	6.07	43	215880	125.136	ug/l	95
26) 2,2-Dichloropropane	6.02	77	234478	22.726	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	199357	23.732	ug/l	98
28) Bromochloromethane	6.43	49	110727	21.771	ug/l	88
29) Tetrahydrofuran	6.45	42	110993	129.257	ug/l	99
30) Chloroform	6.66	83	291750	22.532	ug/l	98
31) Cyclohexane	6.94	56	222616	22.572	ug/l	99
32) 1,1,1-Trichloroethane	6.87	97	261606	22.812	ug/l	99
36) 1,1-Dichloropropene	7.14	75	225751	22.048	ug/l	98
37) Ethyl Acetate	6.18	43	99821	23.341	ug/l	99
38) Carbon Tetrachloride	7.10	117	248945	21.273	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	230535	21.740	ug/l	97
40) Benzene	7.45	78	571967	22.493	ug/l	100
41) Methacrylonitrile	6.44	41	116462	23.435	ug/l	99
42) 1,2-Dichloroethane	7.57	62	170637	21.531	ug/l	98
43) Isopropyl Acetate	9.23	43	133904	21.715	ug/l #	99
44) Trichloroethene	8.53	130	210723	22.913	ug/l	98
45) 1,2-Dichloropropane	8.93	63	145202	23.136	ug/l	98
46) Dibromomethane	9.05	93	99696	23.174	ug/l	99
47) Bromodichloromethane	9.37	83	216581	21.479	ug/l	98
48) Methyl methacrylate	9.11	41	81319	24.708	ug/l	96
49) 1,4-Dioxane	9.07	88	19074	528.199	ug/l	98
51) 4-Methyl-2-Pentanone	10.29	43	430113	117.171	ug/l	97
52) Toluene	10.50	92	350734	22.542	ug/l	97
53) t-1,3-Dichloropropene	10.90	75	199032	22.713	ug/l	100
54) cis-1,3-Dichloropropene	10.03	75	241582	22.577	ug/l	100
55) 1,1,2-Trichloroethane	11.18	97	115120	22.285	ug/l	99
56) Ethyl methacrylate	11.03	69	127674	23.162	ug/l	98
57) 1,3-Dichloropropane	11.39	76	175296	22.469	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	315601	110.055	ug/l	99
59) 2-Hexanone	11.52	43	328762	123.313	ug/l	100
60) Dibromochloromethane	11.68	129	187377	23.160	ug/l	99
61) 1,2-Dibromoethane	11.80	107	134069	22.213	ug/l	97
64) Tetrachloroethene	11.25	164	157841	23.090	ug/l	97
65) Chlorobenzene	12.39	112	449344	24.584	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	167073	23.576	ug/l	99
67) Ethyl Benzene	12.52	91	674901	24.127	ug/l	99
68) m/p-Xylenes	12.66	106	499999	45.791	ug/l	99
69) o-Xylene	13.05	106	254029	25.084	ug/l	95
70) Styrene	13.07	104	426214	24.799	ug/l	96
71) Bromoform	13.22	173	102111	23.547	ug/l #	96
73) Isopropylbenzene	13.39	105	642496	21.973	ug/l	97
74) N-amyl acetate	13.25	43	176670	23.094	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	125526	22.137	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	129249	23.118	ug/l	99
77) Bromobenzene	13.66	156	178807	21.892	ug/l	87
78) n-propylbenzene	13.77	91	831748	25.213	ug/l	97
79) 2-Chlorotoluene	13.84	91	439184	22.865	ug/l	97
80) 1,3,5-Trimethylbenzene	14.23	105	538973	23.365	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	40368	22.879	ug/l	94
82) 4-Chlorotoluene	13.94	91	513779	24.467	ug/l	94
83) tert-Butylbenzene	14.18	119	628166	23.850	ug/l	94
84) 1,2,4-Trimethylbenzene	14.23	105	538973	23.365	ug/l	97
85) sec-Butylbenzene	14.36	105	626865	21.372	ug/l	95
86) p-Isopropyltoluene	14.48	119	568026	21.707	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	321526	22.209	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	332535	23.712	ug/l	97
89) n-Butylbenzene	14.79	91	566026	24.363	ug/l	98
90) Hexachloroethane	15.01	117	166938	23.793	ug/l	93
91) 1,2-Dichlorobenzene	14.80	146	291046	25.194	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.37	75	16985	23.971	ug/l	62

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Quant Title : SW846 8260
QLast Update : Tue Mar 26 03:31:57 2019
Response via : Initial Calibration

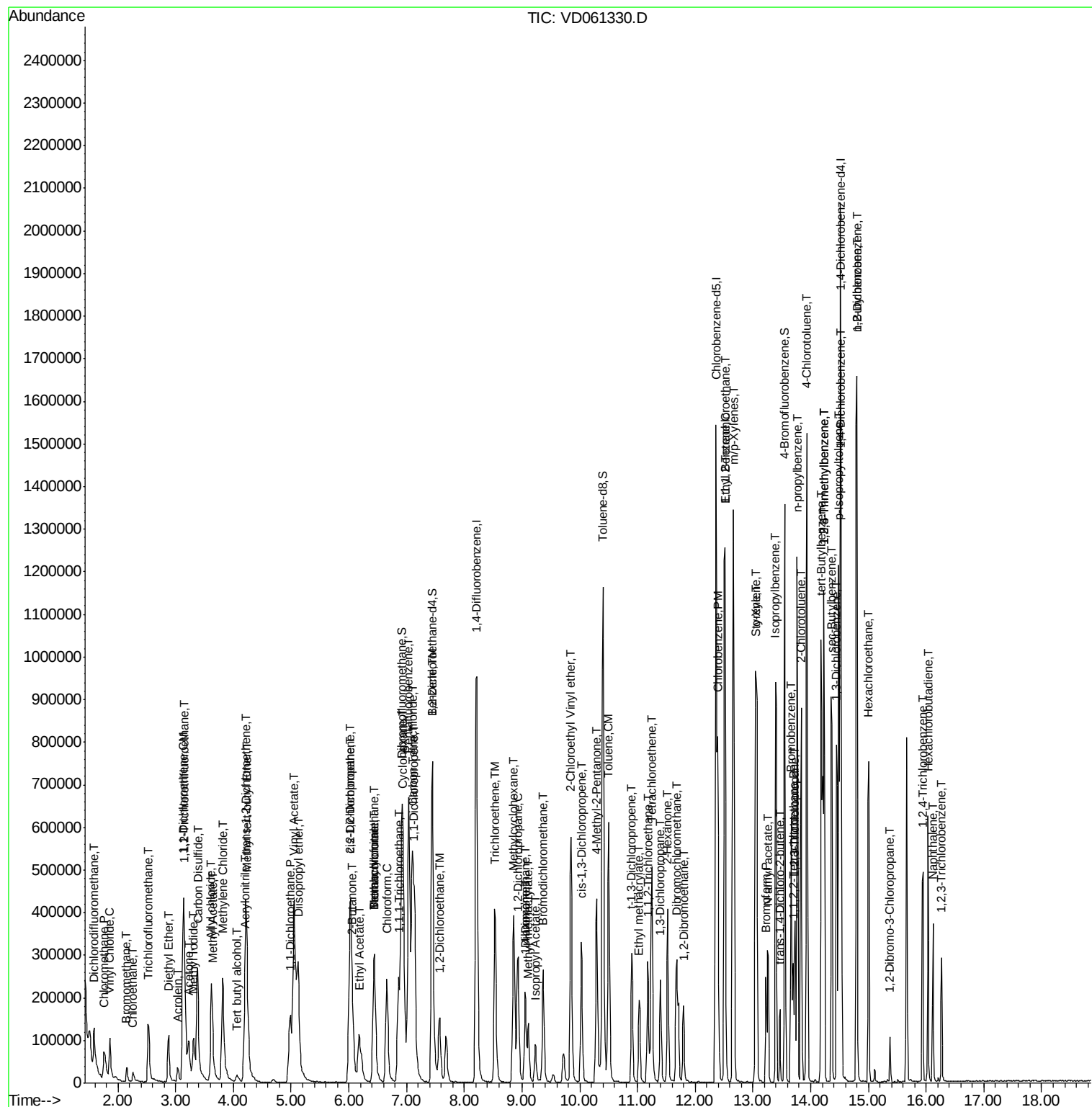
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	143693	26.933	ug/l	98
94) Hexachlorobutadiene	16.03	225	97889	22.771	ug/l	97
95) Naphthalene	16.12	128	218864	28.115	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	74273	29.806	ug/l	98

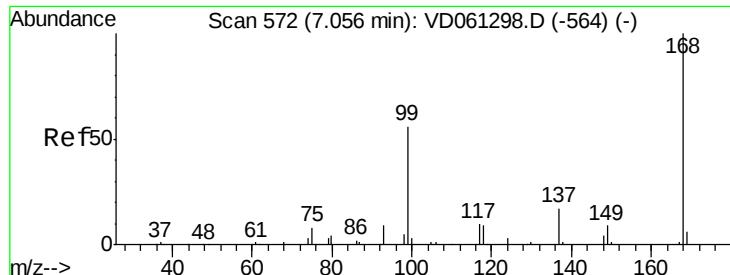
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032519\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD061330.D

Acq: 26 Mar 2019 8:57

Instrument :

MSVOA_D

ClientSampleId :

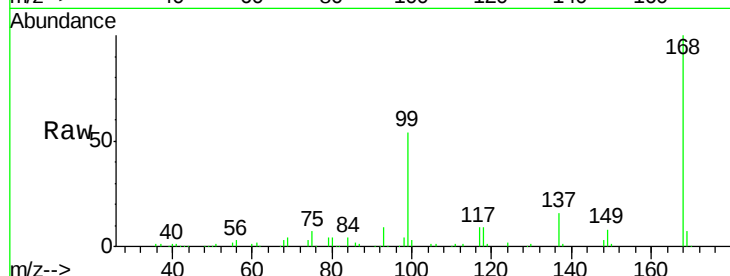
VD0325SBS03

Tot Ion:168 Resp: 722745

Ion Ratio Lower Upper

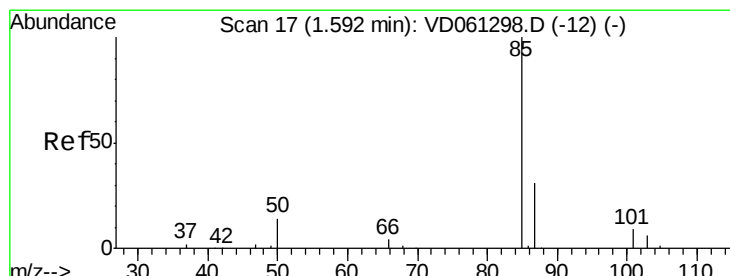
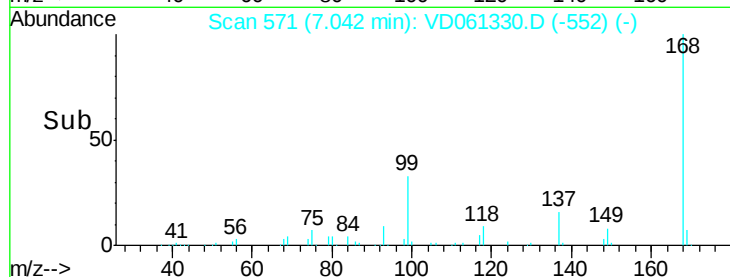
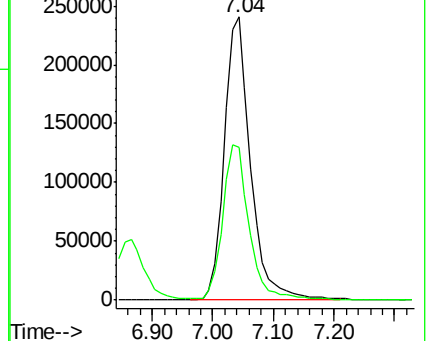
168 100

99 53.9 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 21.049 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.00 min

Lab File: VD061330.D

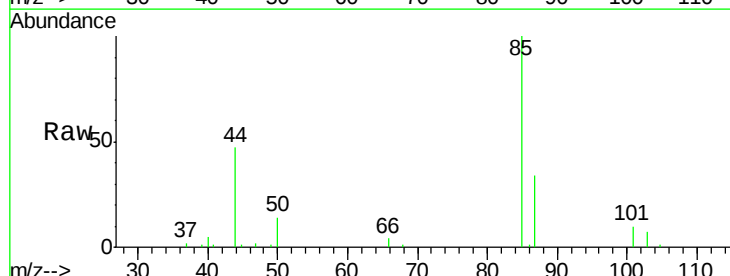
Acq: 26 Mar 2019 8:57

Tgt Ion: 85 Resp: 155544

Ion Ratio Lower Upper

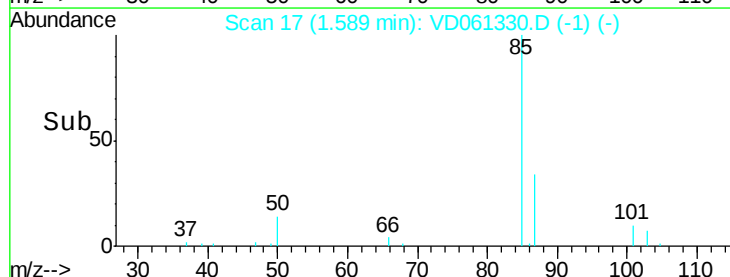
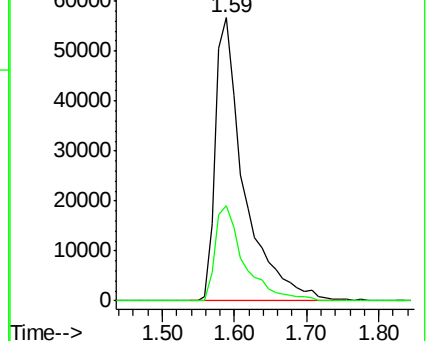
85 100

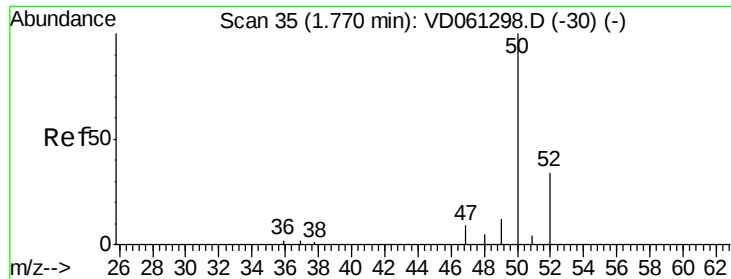
87 33.6 15.4 46.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 23.749 ug/l

RT: 1.77 min Scan# 35

Delta R.T. -0.00 min

Lab File: VD061330.D

Acq: 26 Mar 2019 8:57

Instrument :

MSVOA_D

ClientSampleId :

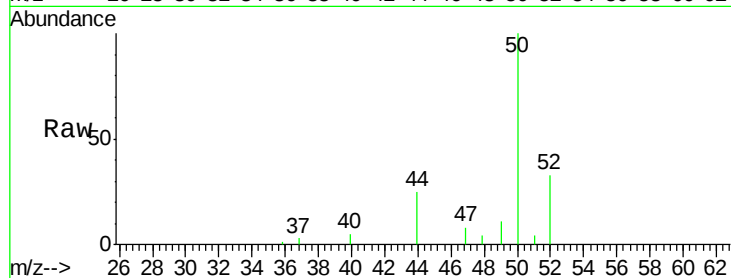
VD0325SBS03

Tot Ion: 50 Resp: 136901

Ion Ratio Lower Upper

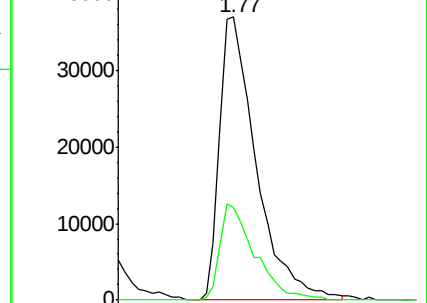
50 100

52 32.7 27.1 40.7

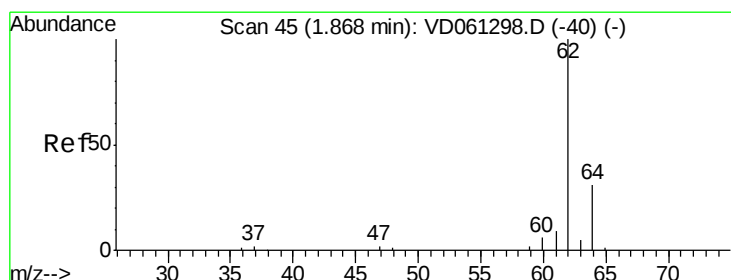
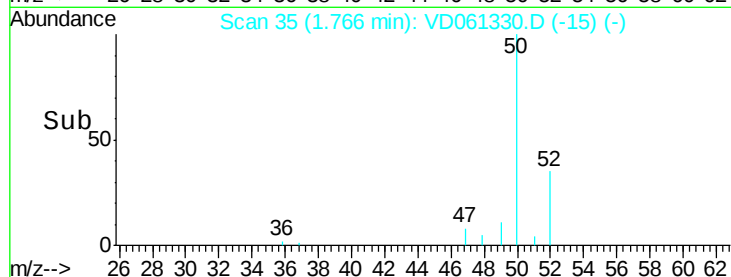


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time--> 1.60 1.70 1.80 1.90 2.00



#4

Vinyl Chloride

Concen: 23.509 ug/l

RT: 1.85 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD061330.D

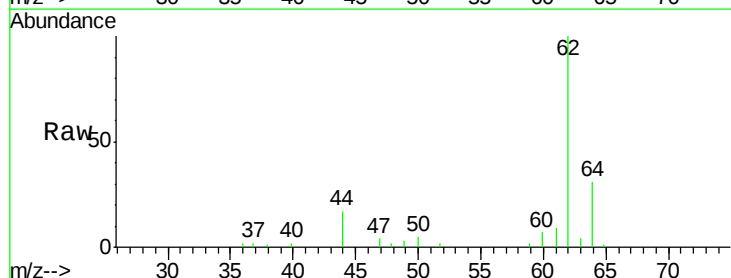
Acq: 26 Mar 2019 8:57

Tgt Ion: 62 Resp: 126707

Ion Ratio Lower Upper

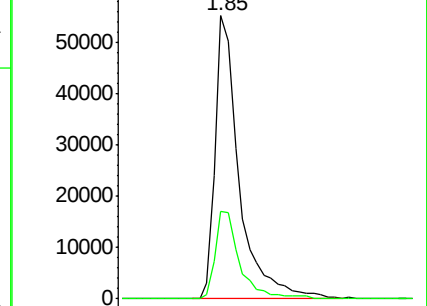
62 100

64 31.0 25.1 37.7

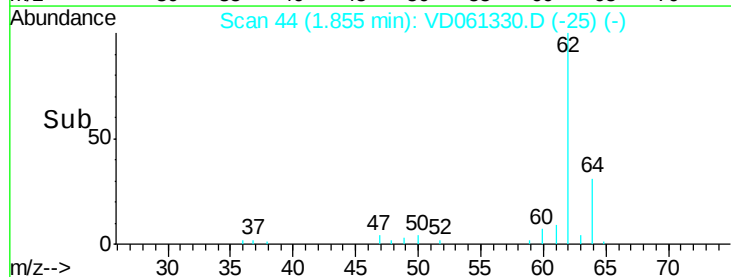


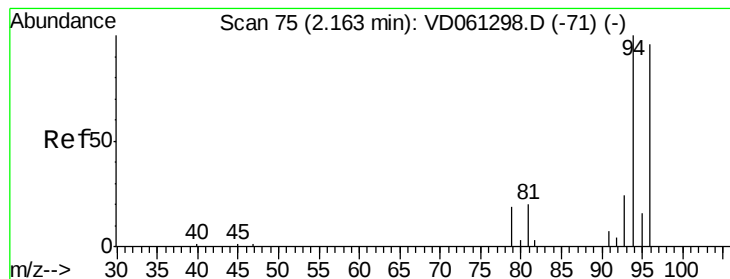
Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC



Time--> 1.80 1.90 2.00





#5

Bromomethane

Concen: 19.314 ug/l

RT: 2.16 min Scan# 75

Delta R.T. -0.00 min

Lab File: VD061330.D

Acq: 26 Mar 2019 8:57

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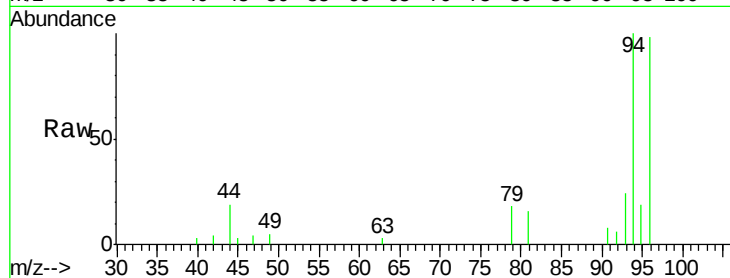
Tot Ion: 94 Resp: 21129

Ion Ratio Lower Upper

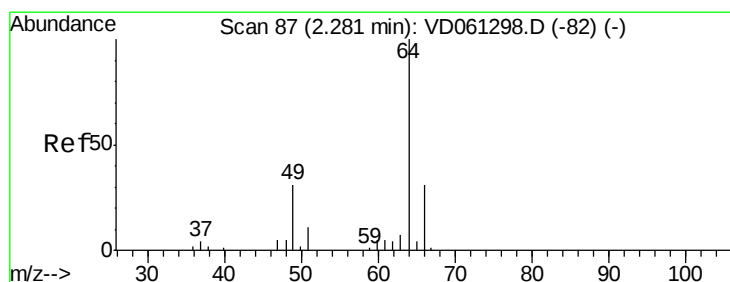
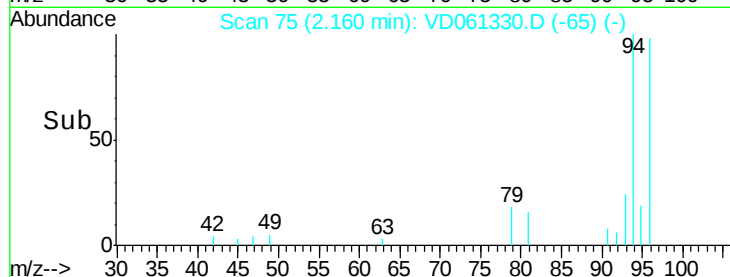
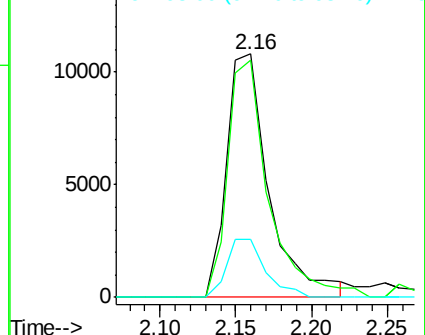
94 100

96 97.7 76.9 115.3

93 23.9 18.8 28.2



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 17.836 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.02 min

Lab File: VD061330.D

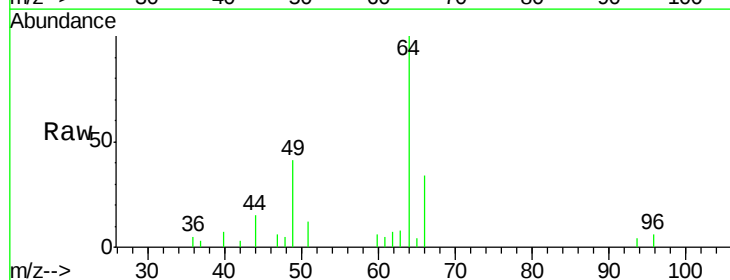
Acq: 26 Mar 2019 8:57

Tgt Ion: 64 Resp: 30243

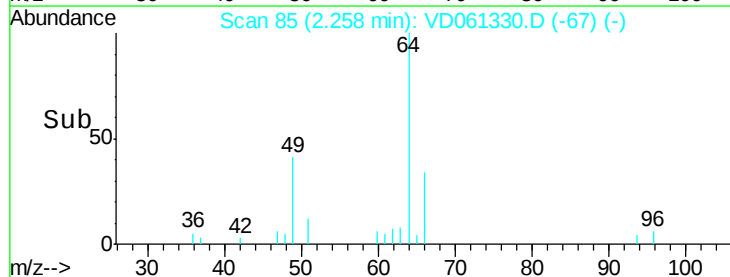
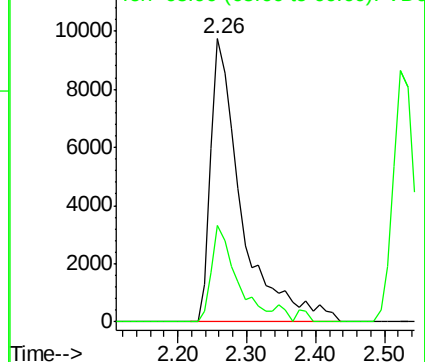
Ion Ratio Lower Upper

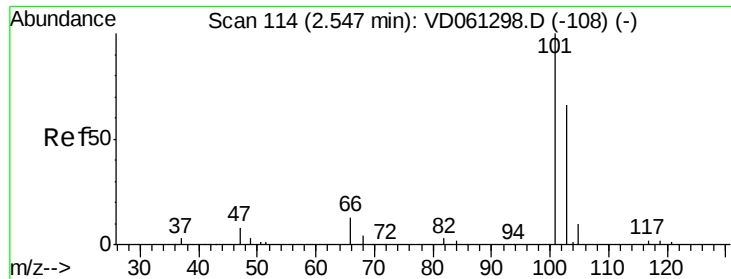
64 100

66 34.1 24.6 36.8



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



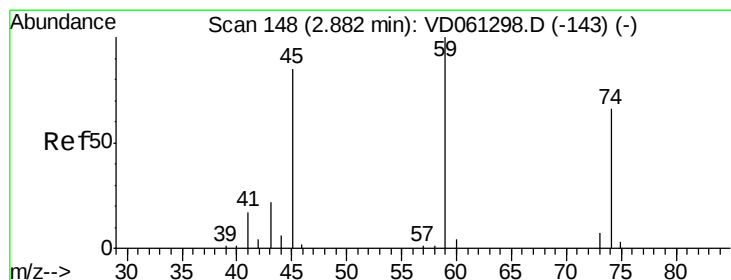
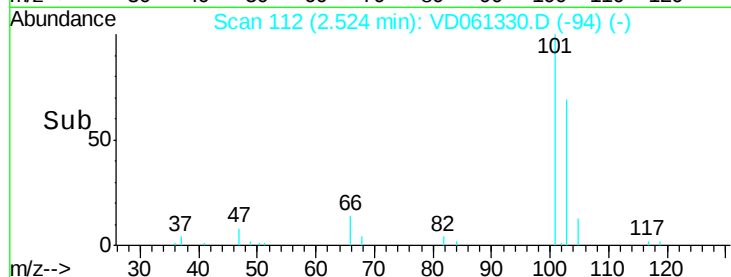
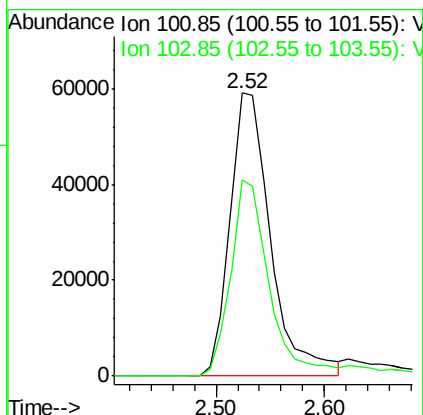
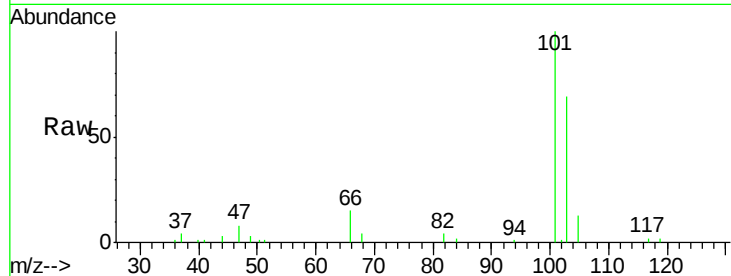


#7

Trichlorofluoromethane
Concen: 19.466 ug/l
RT: 2.52 min Scan# 112
Delta R.T. -0.02 min
Lab File: VD061330.D
Acq: 26 Mar 2019 8:57

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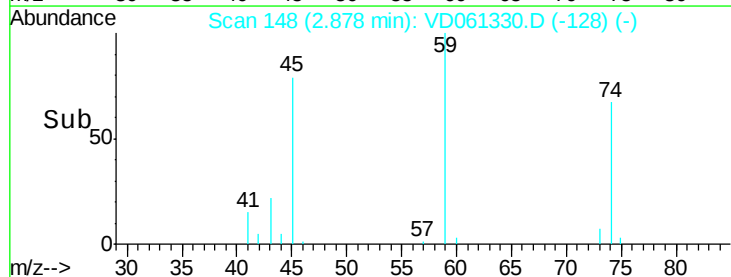
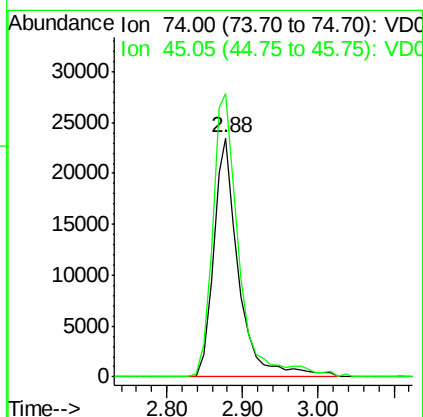
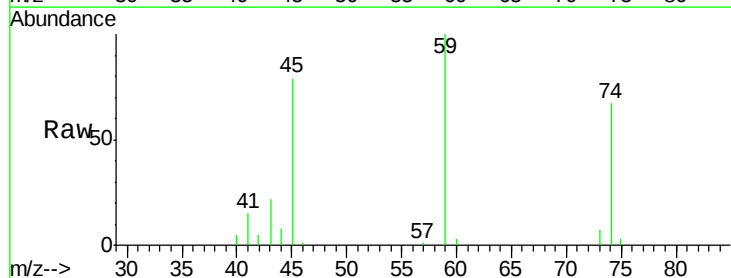
Tot Ion:101 Resp: 155082
Ion Ratio Lower Upper
101 100
103 69.5 52.6 79.0

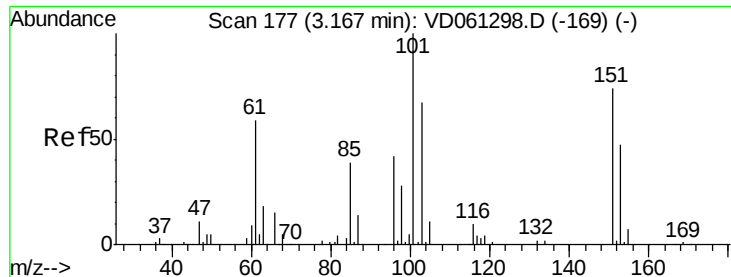


#8

Diethyl Ether
Concen: 22.727 ug/l
RT: 2.88 min Scan# 148
Delta R.T. -0.00 min
Lab File: VD061330.D
Acq: 26 Mar 2019 8:57

Tgt Ion: 74 Resp: 53837
Ion Ratio Lower Upper
74 100
45 118.5 64.3 192.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.387 ug/l

RT: 3.15 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD061330.D

Acq: 26 Mar 2019 8:57

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS03

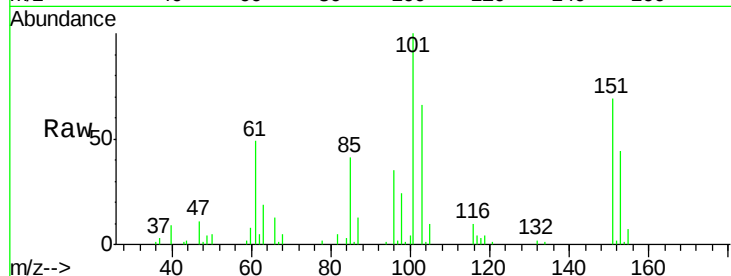
Tot Ion:101 Resp: 189646

Ion Ratio Lower Upper

101 100

85 40.7 31.6 47.4

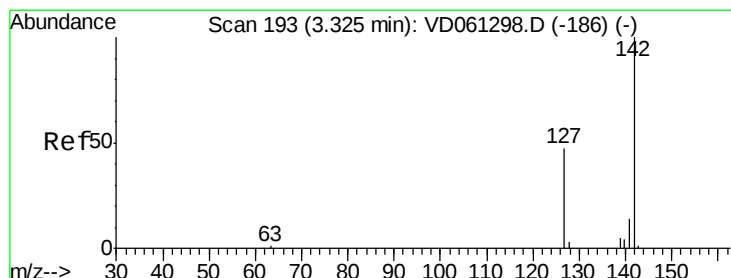
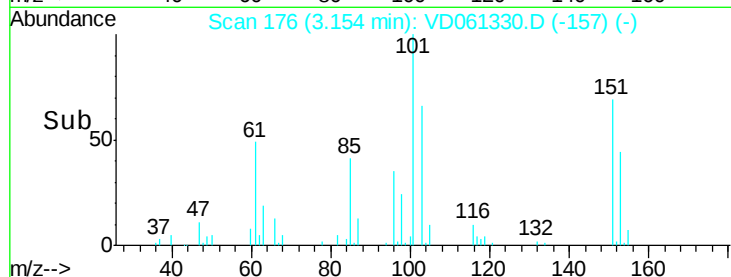
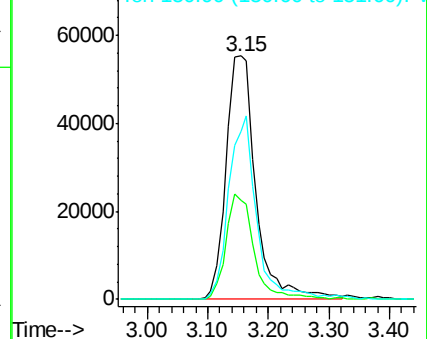
151 68.9 59.3 88.9



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.367 ug/l

RT: 3.31 min Scan# 192

Delta R.T. -0.01 min

Lab File: VD061330.D

Acq: 26 Mar 2019 8:57

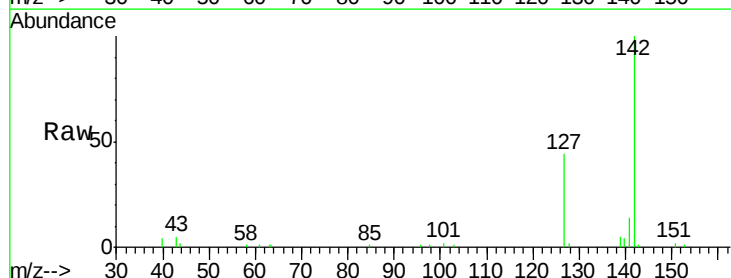
Tgt Ion:142 Resp: 208079

Ion Ratio Lower Upper

142 100

127 44.3 37.8 56.6

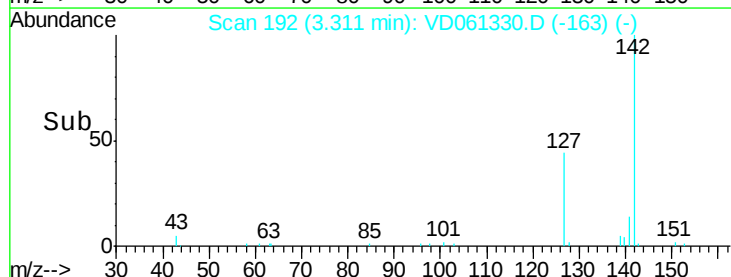
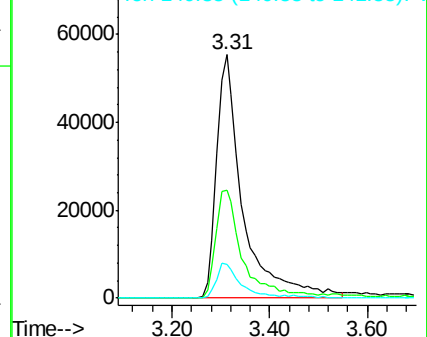
141 13.9 11.6 17.4

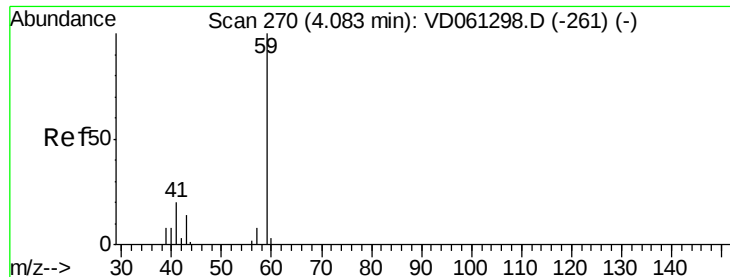


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



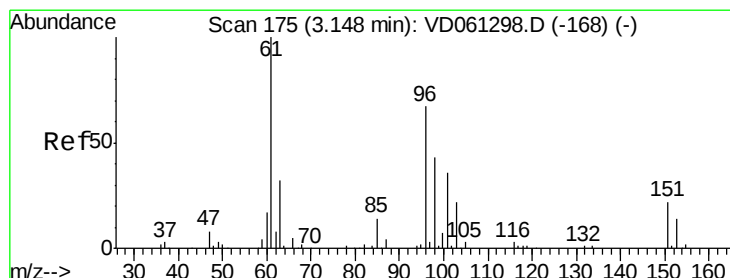
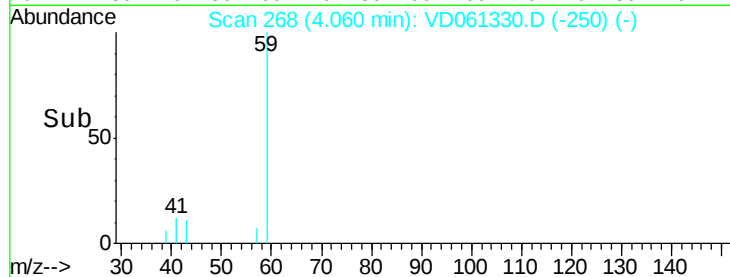
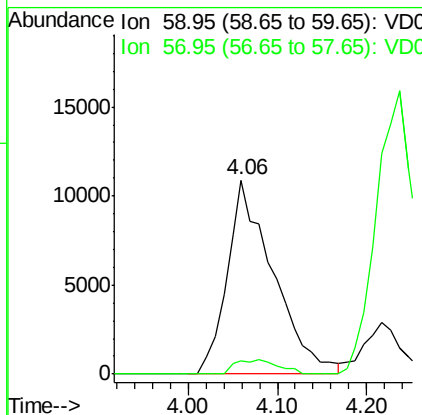
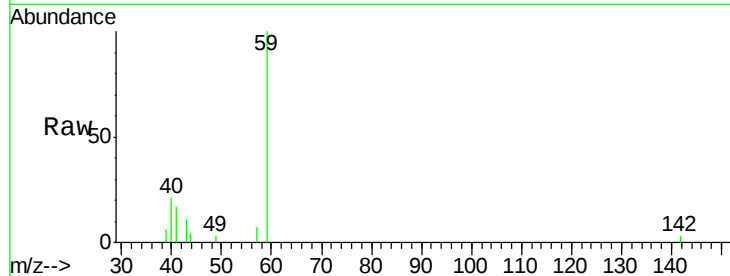


#11

Tert butyl alcohol
 Concen: 117.777 ug/l
 RT: 4.06 min Scan# 268
 Delta R.T. -0.02 min
 Lab File: VD061330.D
 Acq: 26 Mar 2019 8:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBS03

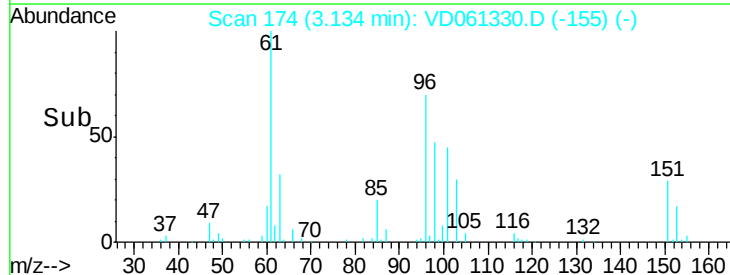
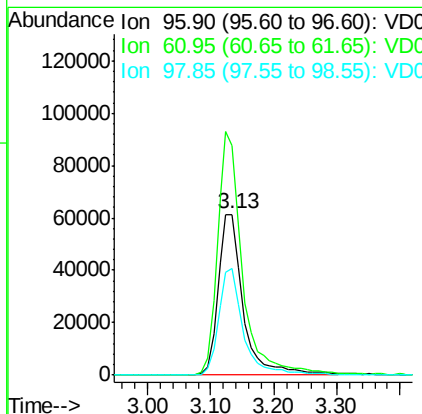
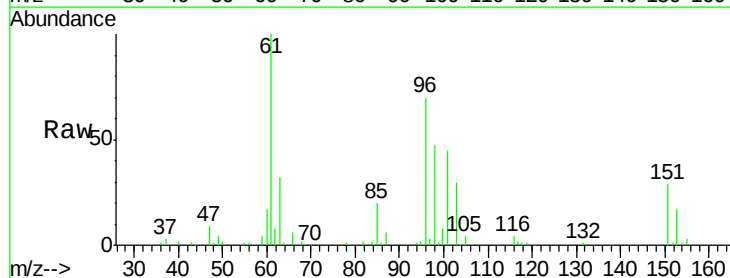
Tot Ion: 59 Resp: 39095
 Ion Ratio Lower Upper
 59 100
 57 6.7 6.6 9.8

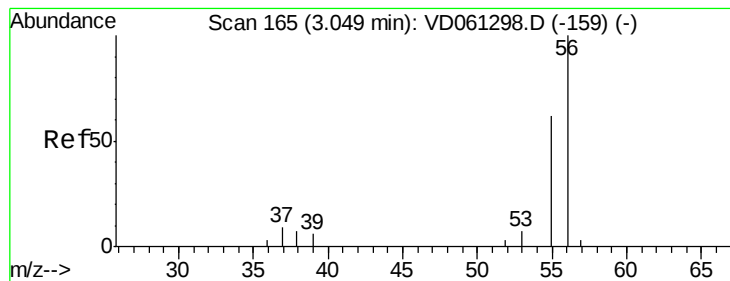


#12

1,1-Dichloroethene
 Concen: 24.351 ug/l
 RT: 3.13 min Scan# 174
 Delta R.T. -0.01 min
 Lab File: VD061330.D
 Acq: 26 Mar 2019 8:57

Tgt Ion: 96 Resp: 169908
 Ion Ratio Lower Upper
 96 100
 61 143.1 120.2 180.2
 98 66.8 52.2 78.4





#13

Acrolein

Concen: 115.812 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD061330.D

Acq: 26 Mar 2019 8:57

Instrument :

MSVOA_D

ClientSampleId :

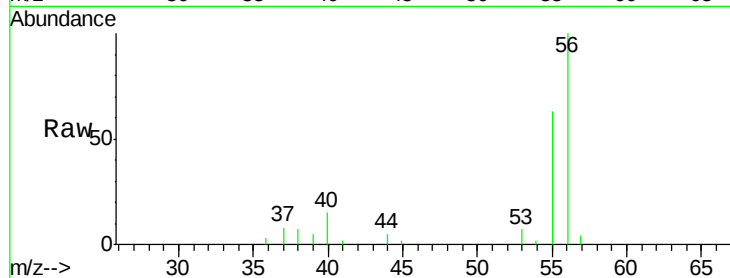
VD0325SBS03

Tot Ion: 56 Resp: 42079

Ion Ratio Lower Upper

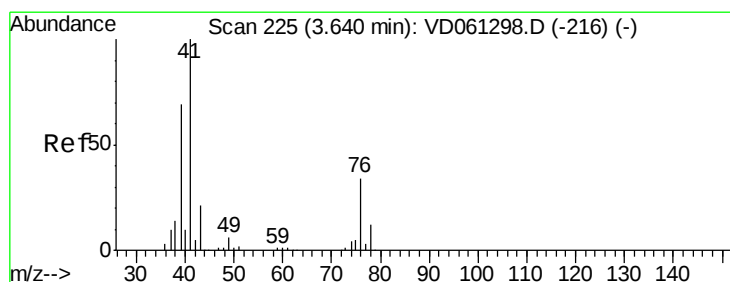
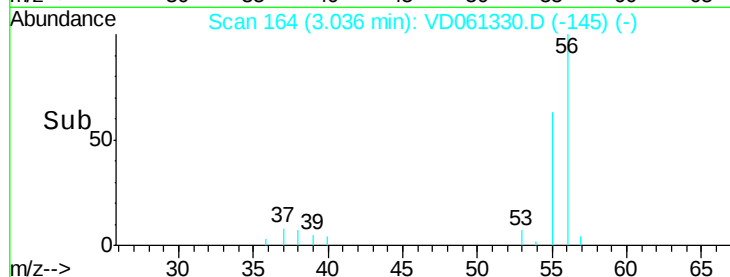
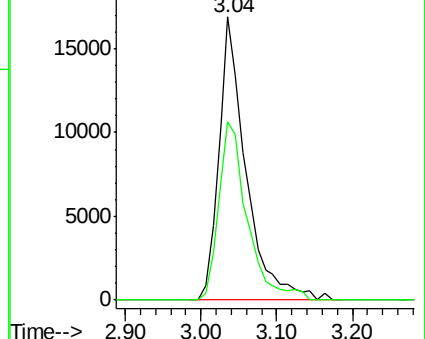
56 100

55 63.2 49.8 74.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 22.692 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.02 min

Lab File: VD061330.D

Acq: 26 Mar 2019 8:57

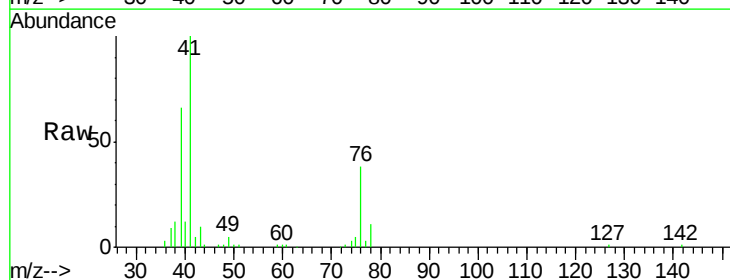
Tgt Ion: 41 Resp: 224611

Ion Ratio Lower Upper

41 100

39 66.5 55.1 82.7

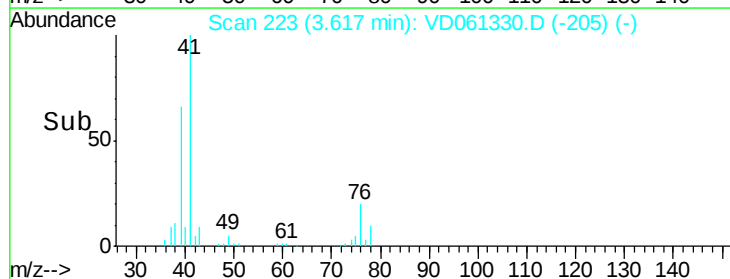
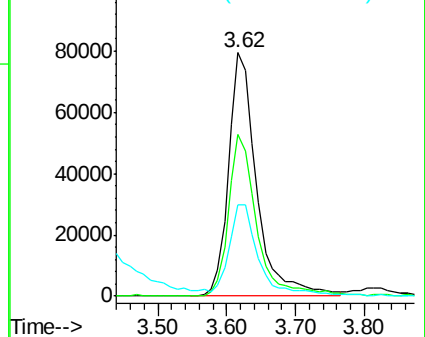
76 37.7 30.2 45.2

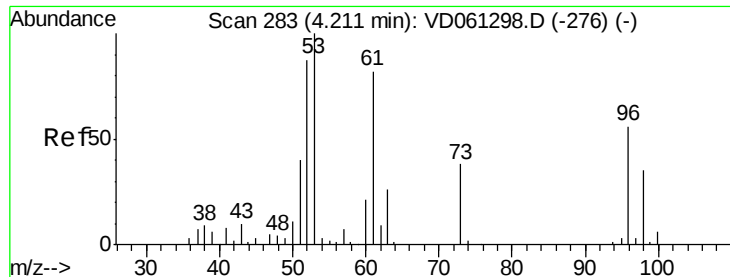


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 112.067 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.02 min

Lab File: VD061330.D

Acq: 26 Mar 2019 8:57

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS03

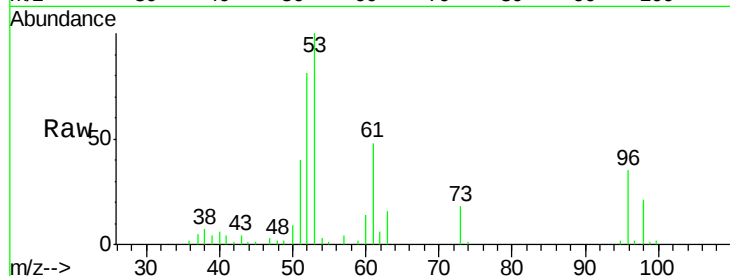
Tot Ion: 53 Resp: 130824

Ion Ratio Lower Upper

53 100

52 81.5 69.4 104.2

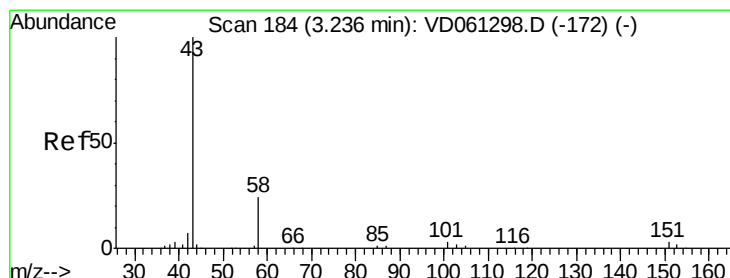
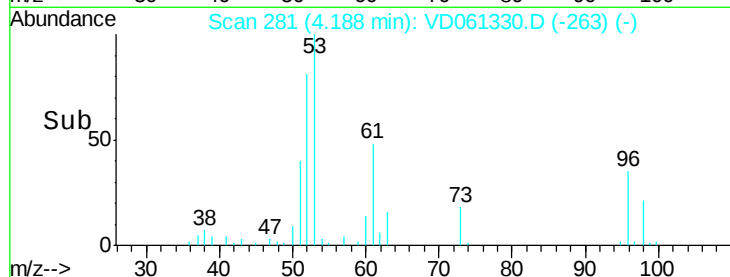
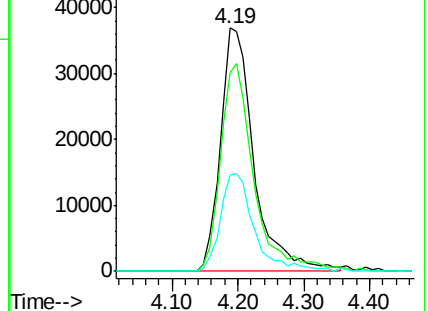
51 39.8 31.7 47.5



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 110.743 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD061330.D

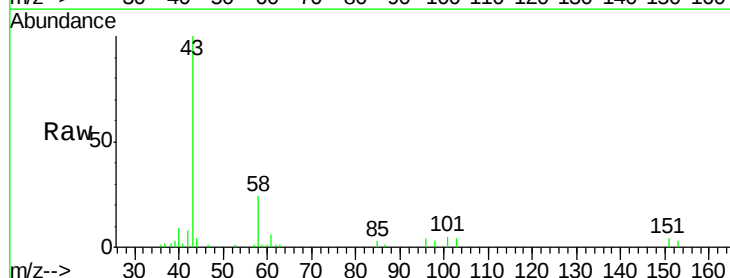
Acq: 26 Mar 2019 8:57

Tgt Ion: 43 Resp: 165176

Ion Ratio Lower Upper

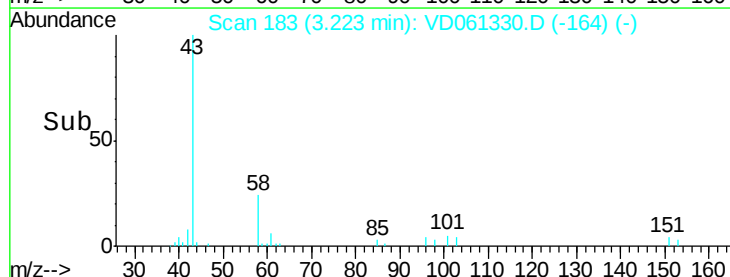
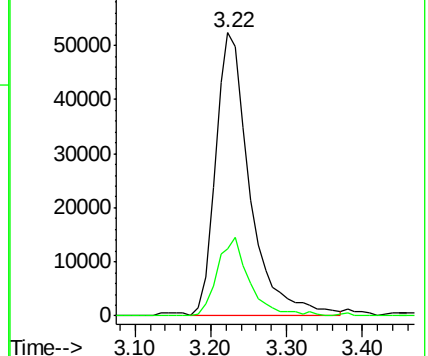
43 100

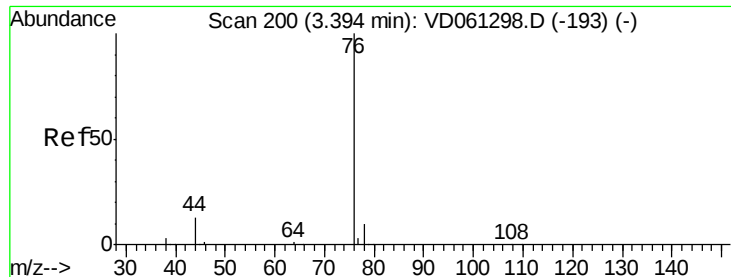
58 23.6 19.4 29.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

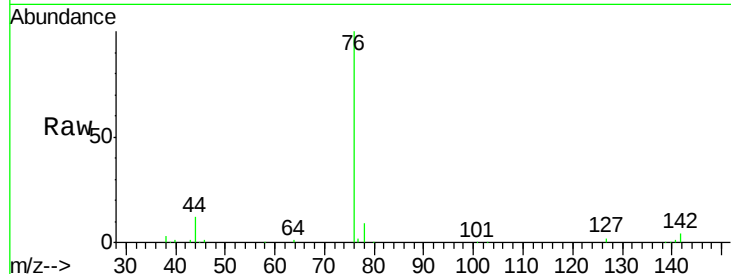




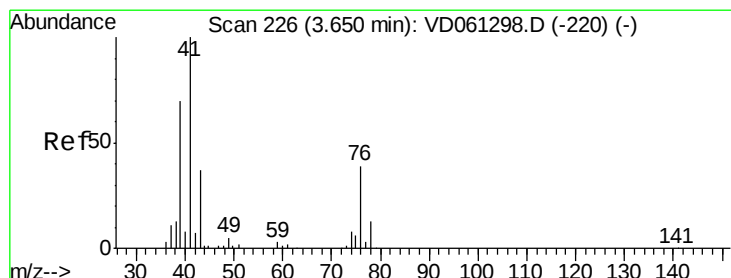
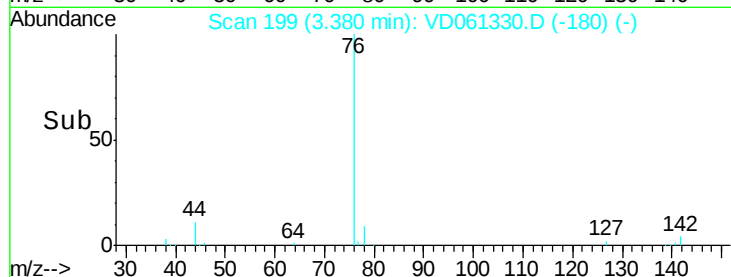
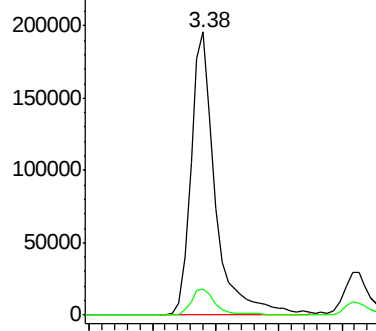
#17
Carbon Disulfide
Concen: 22.698 ug/l
RT: 3.38 min Scan# 199
Delta R.T. -0.01 min
Lab File: VD061330.D
Acq: 26 Mar 2019 8:57

Instrument :
MSVOA_D
ClientSampleId :
VD0325SBS03

Tot Ion: 76 Resp: 525985
Ion Ratio Lower Upper
76 100
78 9.3 7.8 11.6

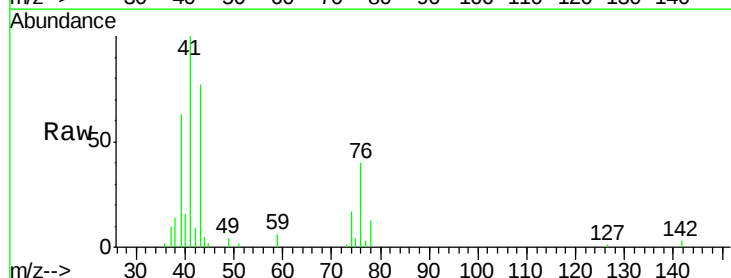


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

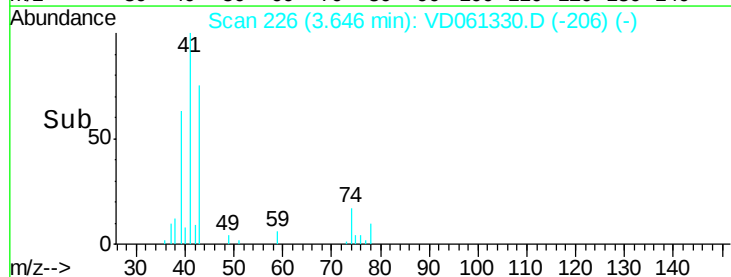
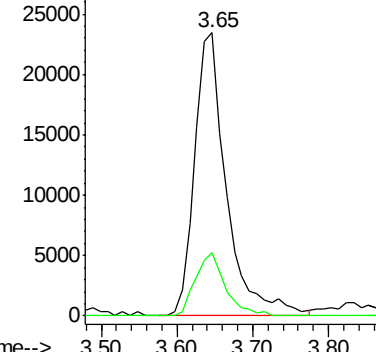


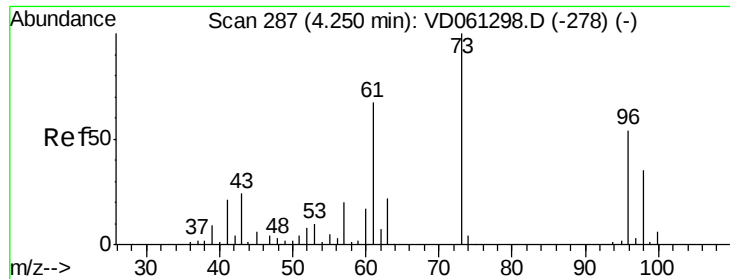
#18
Methyl Acetate
Concen: 24.203 ug/l
RT: 3.65 min Scan# 226
Delta R.T. -0.00 min
Lab File: VD061330.D
Acq: 26 Mar 2019 8:57

Tgt Ion: 43 Resp: 68235
Ion Ratio Lower Upper
43 100
74 22.3 16.6 25.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

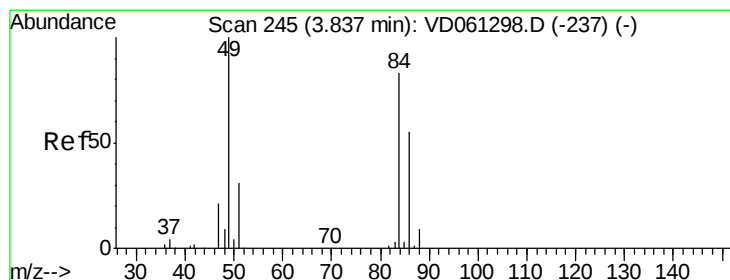
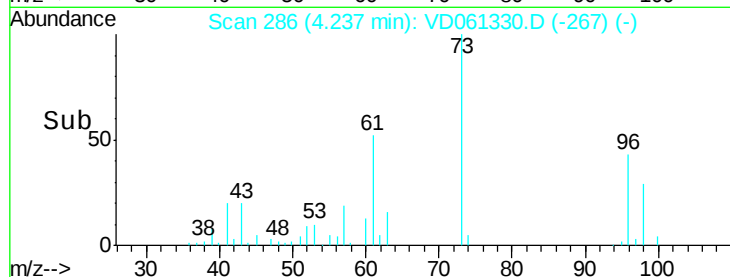
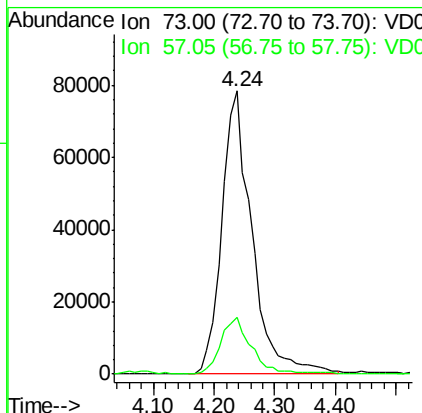
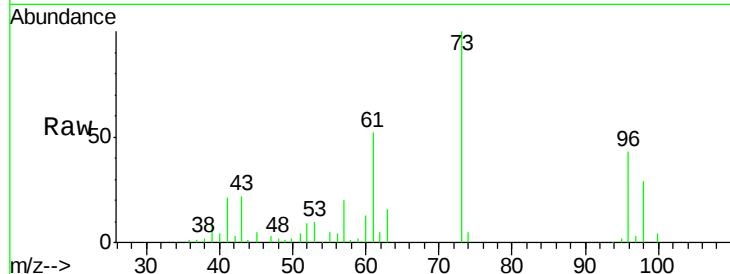




#19
Methyl tert-butyl Ether
Concen: 22.069 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.01 min
Lab File: VD061330.D
Acq: 26 Mar 2019 8:57

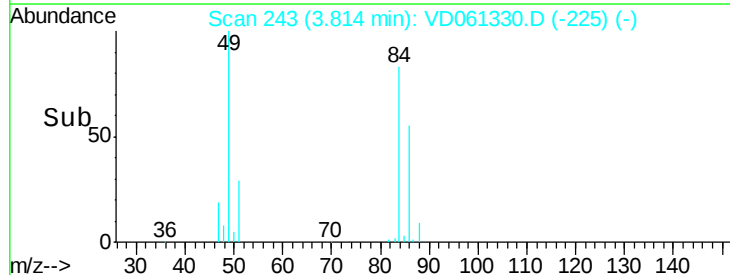
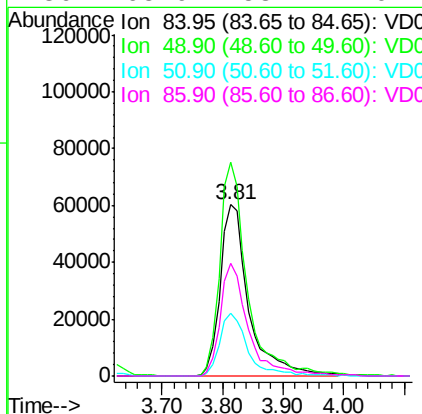
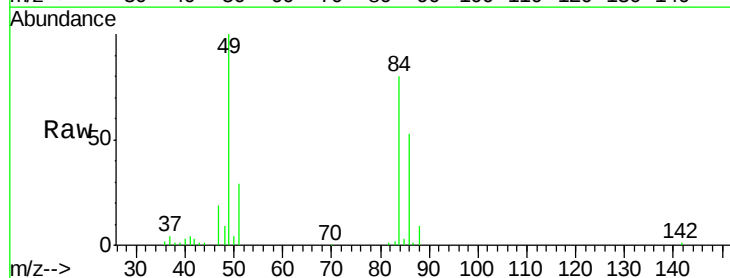
Instrument :
MSVOA_D
ClientSampleId :
VD0325SBS03

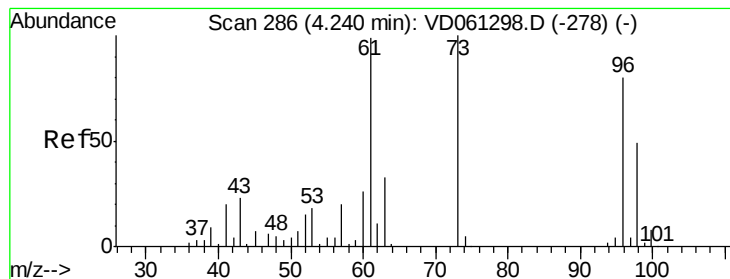
Tot Ion: 73 Resp: 271188
Ion Ratio Lower Upper
73 100
57 20.3 16.3 24.5



#20
Methylene Chloride
Concen: 23.388 ug/l
RT: 3.81 min Scan# 243
Delta R.T. -0.02 min
Lab File: VD061330.D
Acq: 26 Mar 2019 8:57

Tgt Ion: 84 Resp: 197989
Ion Ratio Lower Upper
84 100
49 124.9 96.8 145.2
51 36.8 29.9 44.9
86 65.9 53.1 79.7





#21

trans-1,2-Dichloroethene

Concen: 22.210 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.02 min

Lab File: VD061330.D

Acq: 26 Mar 2019 8:57

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS03

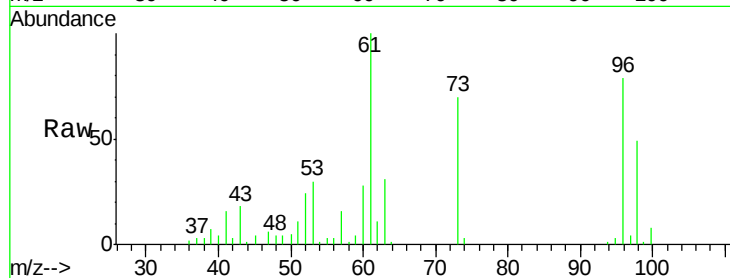
Tot Ion: 96 Resp: 173372

Ion Ratio Lower Upper

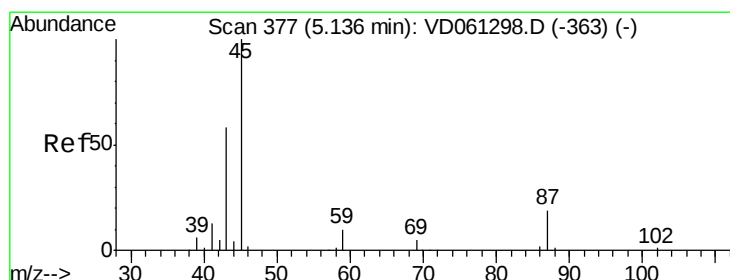
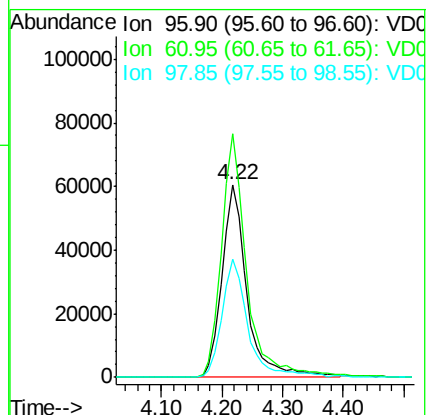
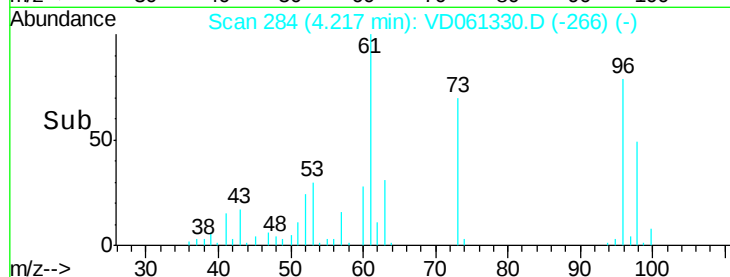
96 100

61 126.5 99.2 148.8

98 61.5 49.2 73.8



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: 23.386 ug/l

RT: 5.12 min Scan# 376

Delta R.T. -0.01 min

Lab File: VD061330.D

Acq: 26 Mar 2019 8:57

Tgt Ion: 45 Resp: 487623

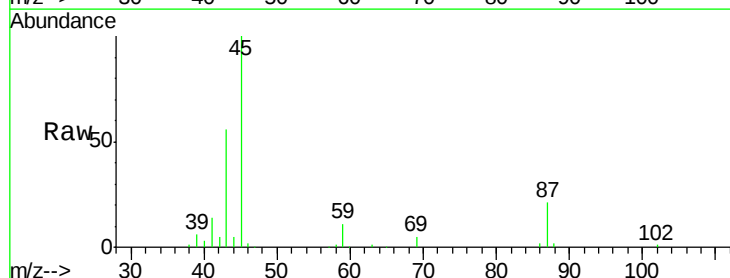
Ion Ratio Lower Upper

45 100

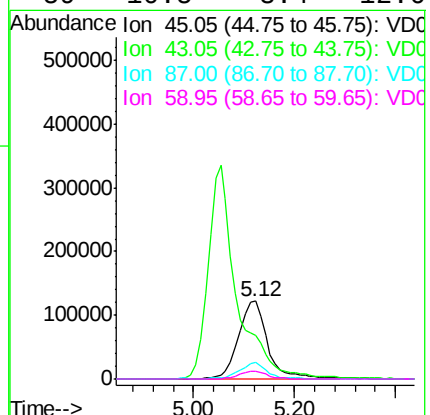
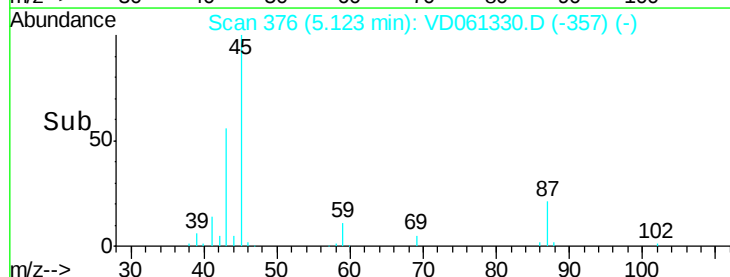
43 55.9 46.7 70.1

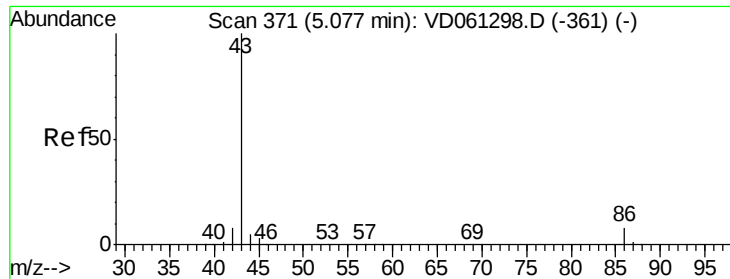
87 21.2 15.5 23.3

59 10.5 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: 118.691 ug/l

RT: 5.05 min Scan# 369

Delta R.T. -0.02 min

Lab File: VD061330.D

Acq: 26 Mar 2019 8:57

Instrument :

MSVOA_D

ClientSampleId :

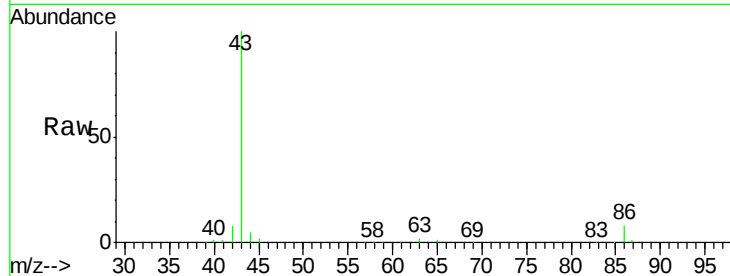
VD0325SBS03

Tot Ion: 43 Resp: 1321815

Ion Ratio Lower Upper

43 100

86 8.0 6.3 9.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.05

400000

300000

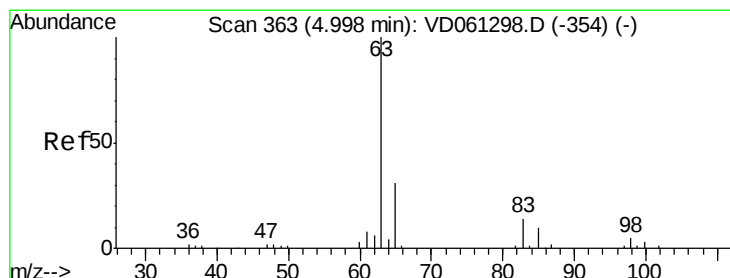
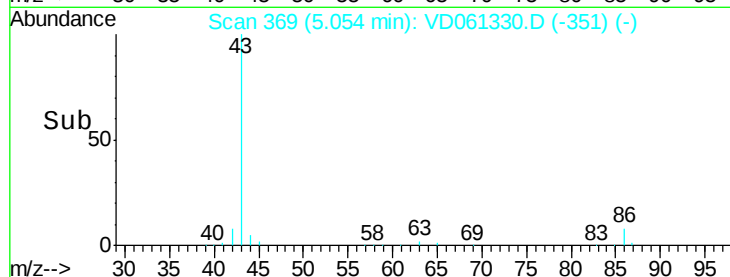
200000

100000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#24

1,1-Dichloroethane

Concen: 23.423 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.01 min

Lab File: VD061330.D

Acq: 26 Mar 2019 8:57

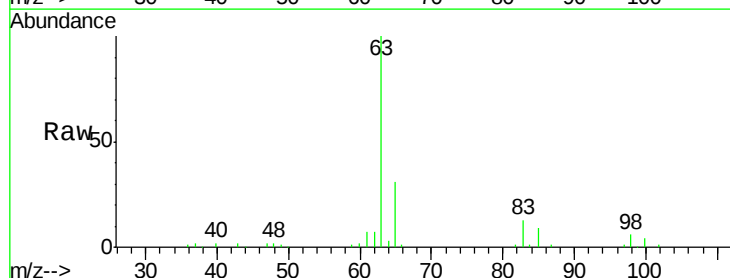
Tgt Ion: 63 Resp: 284611

Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.3

100 4.1 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

4.99

100000

80000

60000

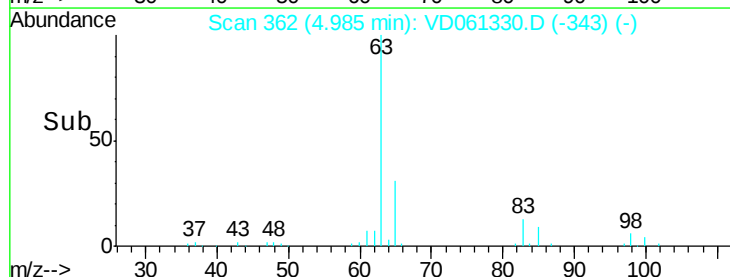
40000

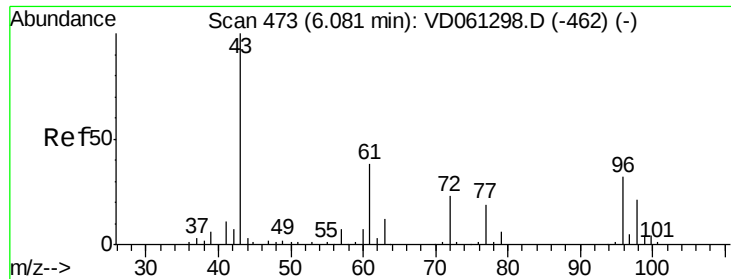
20000

0

Time-->

4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 125.136 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.01 min

Lab File: VD061330.D

Acq: 26 Mar 2019 8:57

Instrument :

MSVOA_D

ClientSampleId :

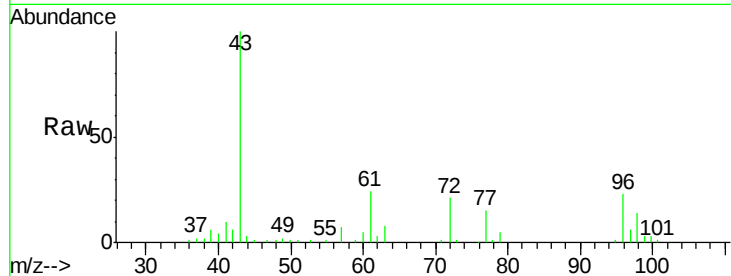
VD0325SBS03

Tot Ion: 43 Resp: 215880

Ion Ratio Lower Upper

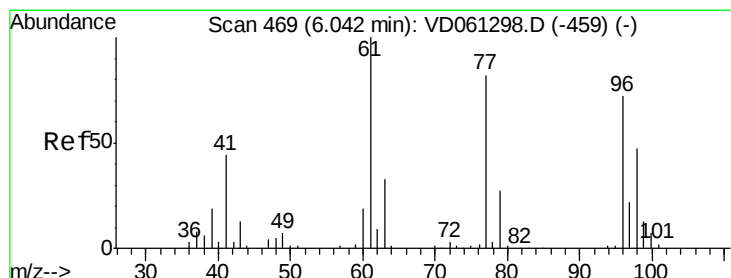
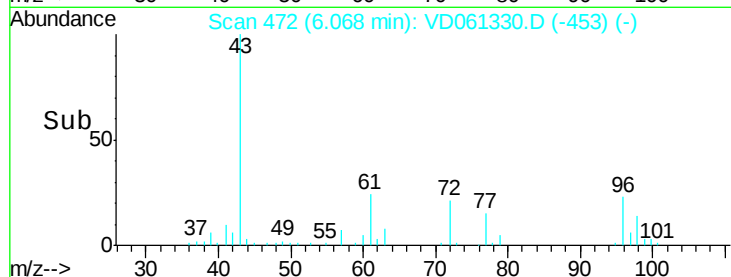
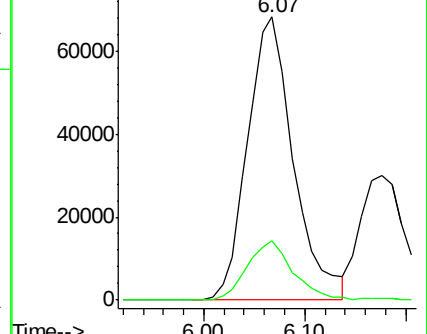
43 100

72 20.8 18.5 27.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.726 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.02 min

Lab File: VD061330.D

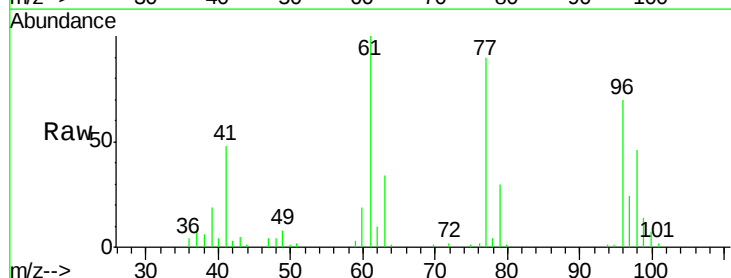
Acq: 26 Mar 2019 8:57

Tgt Ion: 77 Resp: 234478

Ion Ratio Lower Upper

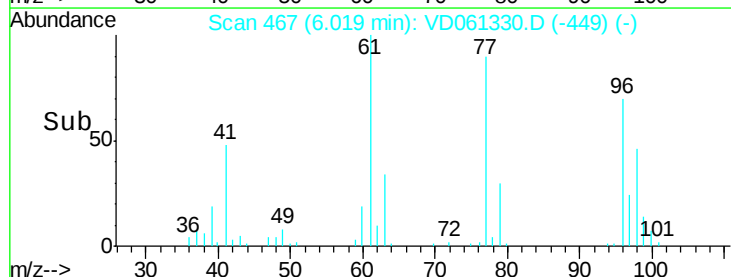
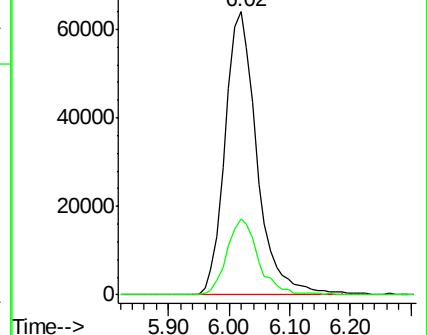
77 100

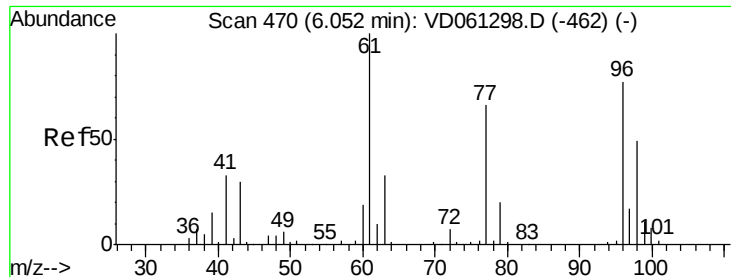
97 26.7 13.5 40.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



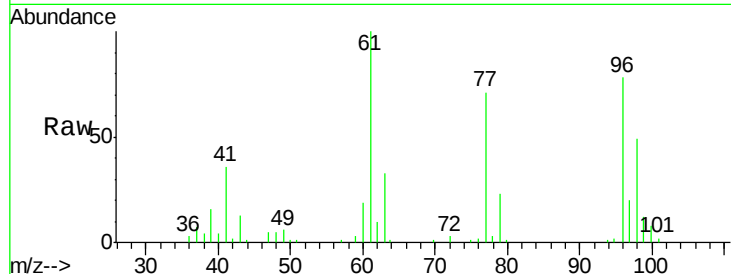


#27

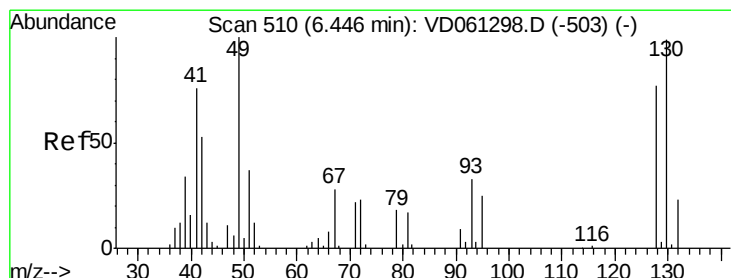
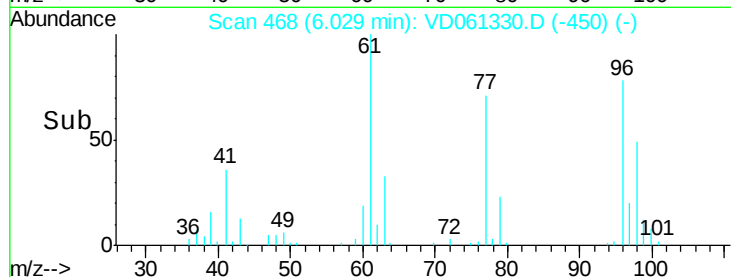
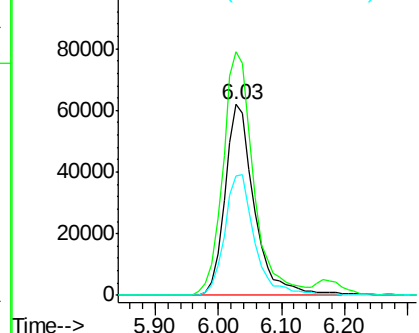
cis-1,2-Dichloroethene
 Concen: 23.732 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. -0.02 min
 Lab File: VD061330.D
 Acq: 26 Mar 2019 8:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBS03

Tot Ion: 96 Resp: 199357
 Ion Ratio Lower Upper
 96 100
 61 127.4 0.0 261.0
 98 62.8 0.0 127.6



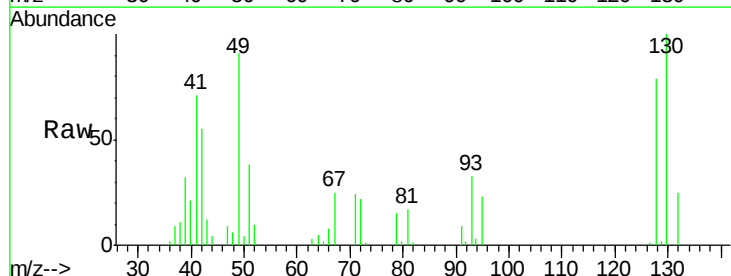
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



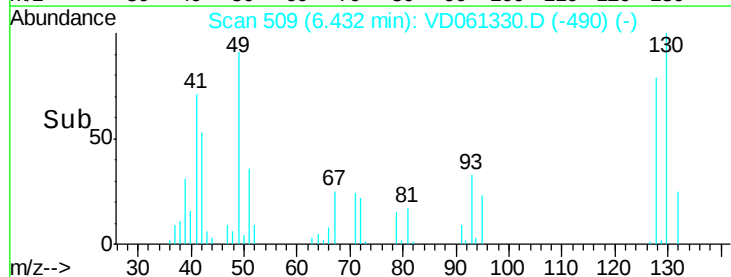
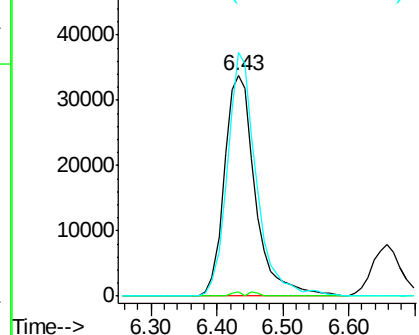
#28

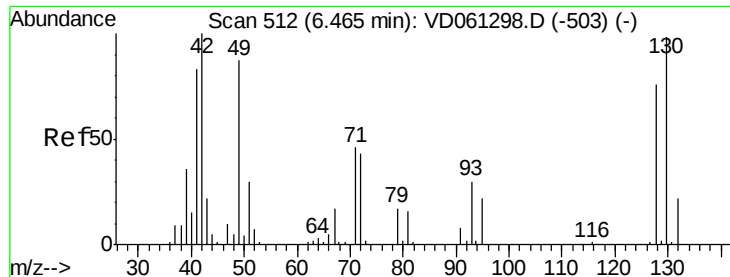
Bromochloromethane
 Concen: 21.771 ug/l
 RT: 6.43 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: VD061330.D
 Acq: 26 Mar 2019 8:57

Tgt Ion: 49 Resp: 110727
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 5.2
 130 110.5 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

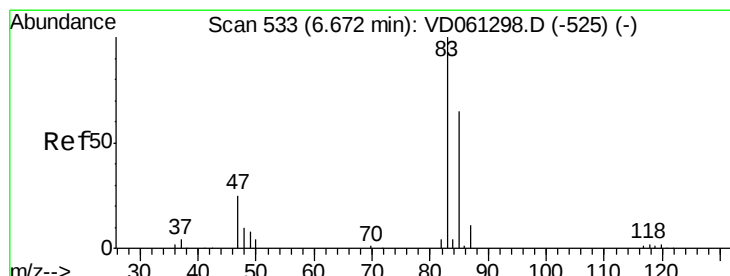
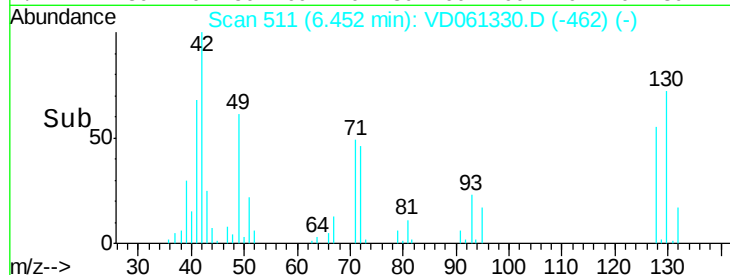
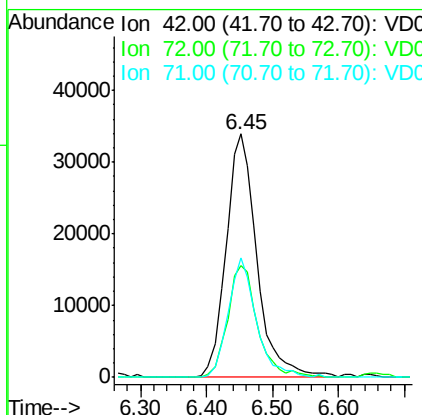
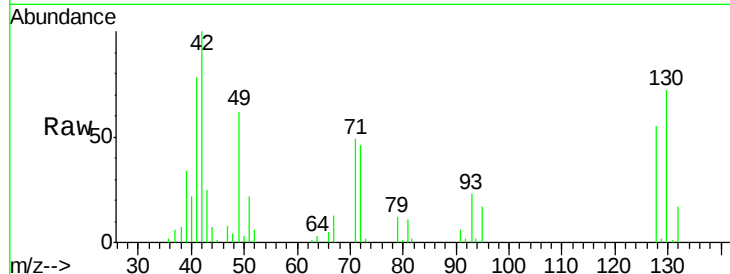




#29
Tetrahydrofuran
Concen: 129.257 ug/l
RT: 6.45 min Scan# 511
Delta R.T. -0.01 min
Lab File: VD061330.D
Acq: 26 Mar 2019 8:57

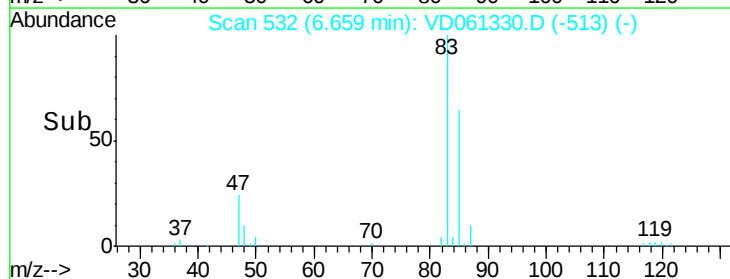
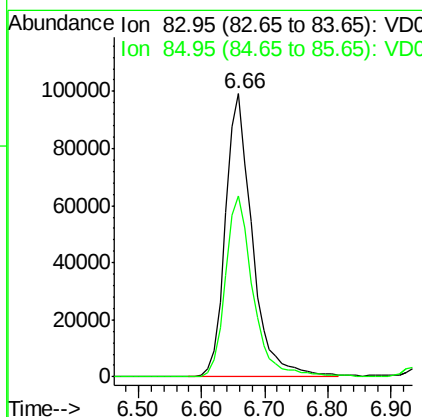
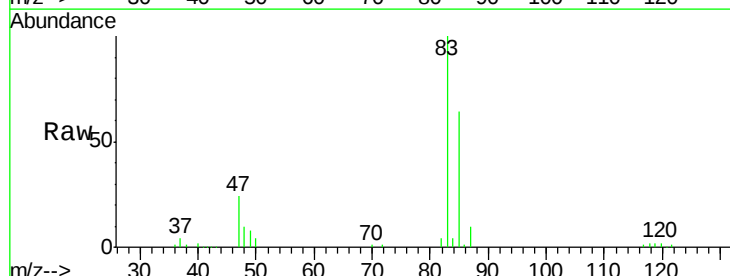
Instrument :
MSVOA_D
ClientSampleId :
VD0325SBS03

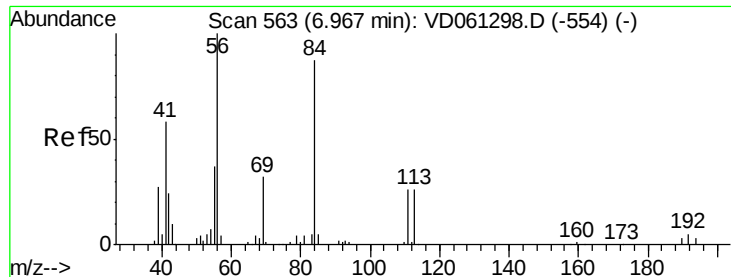
Tot Ion: 42 Resp: 110993
Ion Ratio Lower Upper
42 100
72 45.0 36.6 54.8
71 44.7 36.3 54.5



#30
Chloroform
Concen: 22.532 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD061330.D
Acq: 26 Mar 2019 8:57

Tgt Ion: 83 Resp: 291750
Ion Ratio Lower Upper
83 100
85 64.0 52.2 78.2

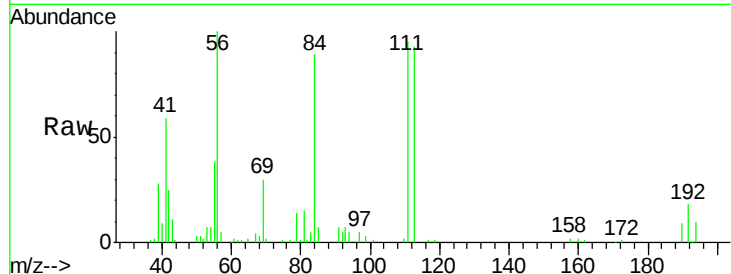




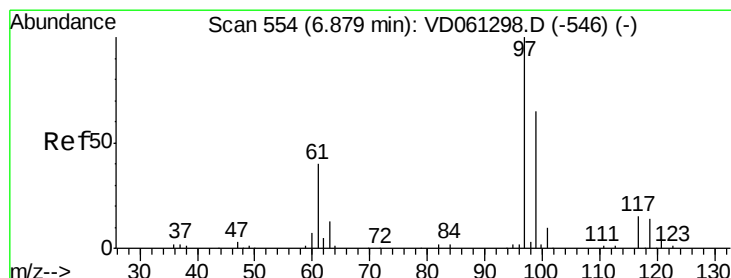
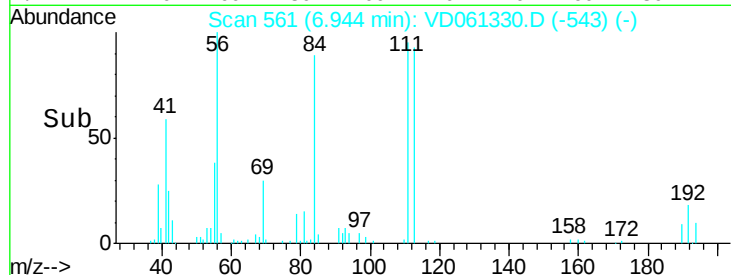
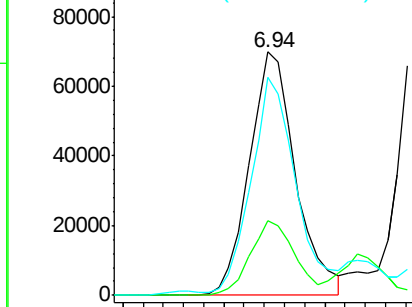
#31
Cyclohexane
Concen: 22.572 ug/l
RT: 6.94 min Scan# 561
Delta R.T. -0.02 min
Lab File: VD061330.D
Acq: 26 Mar 2019 8:57

Instrument :
MSVOA_D
ClientSampleId :
VD0325SBS03

Tot Ion: 56 Resp: 222616
Ion Ratio Lower Upper
56 100
69 30.5 25.5 38.3
84 89.3 71.4 107.2

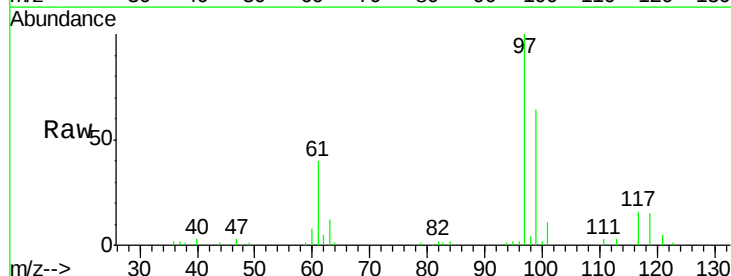


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

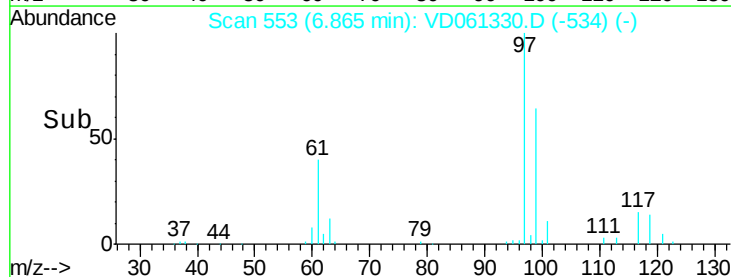
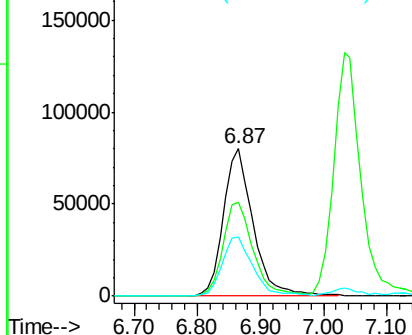


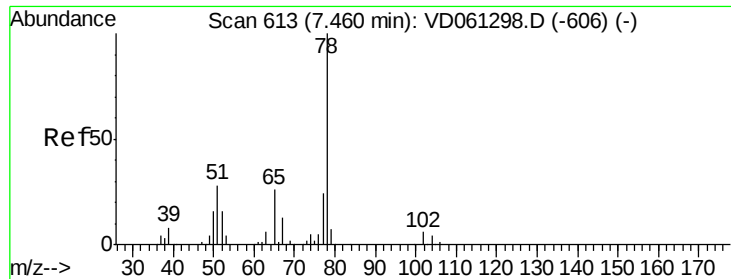
#32
1,1,1-Trichloroethane
Concen: 22.812 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.01 min
Lab File: VD061330.D
Acq: 26 Mar 2019 8:57

Tgt Ion: 97 Resp: 261606
Ion Ratio Lower Upper
97 100
99 63.9 51.8 77.6
61 40.0 31.9 47.9



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 22.812 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD061330.D

Acq: 26 Mar 2019 8:57

Instrument :

MSVOA_D

ClientSampleId :

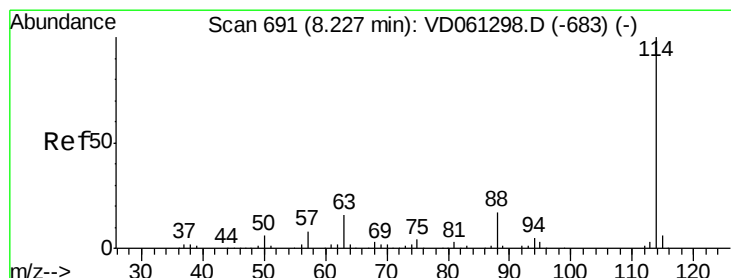
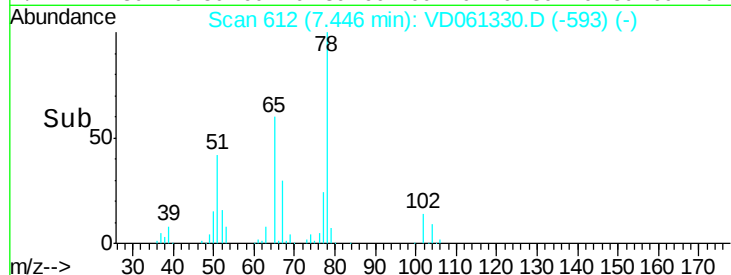
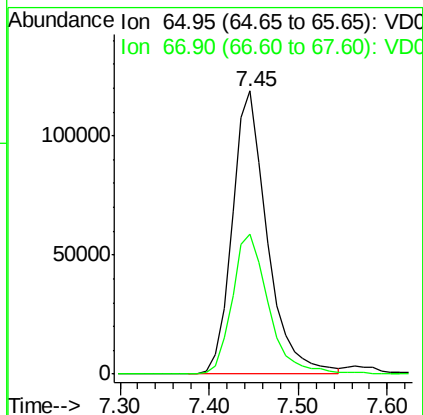
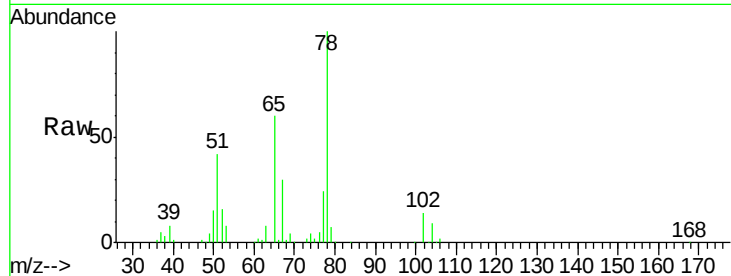
VD0325SBS03

Tot Ion: 65 Resp: 324873

Ion Ratio Lower Upper

65 100

67 49.5 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD061330.D

Acq: 26 Mar 2019 8:57

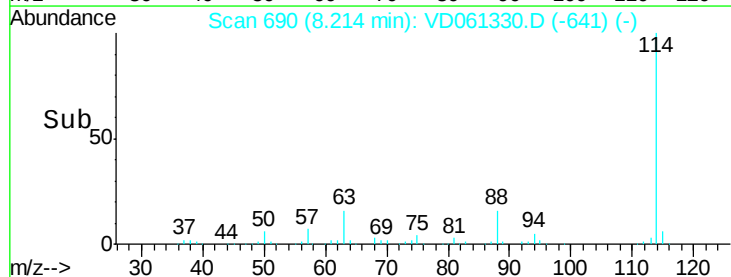
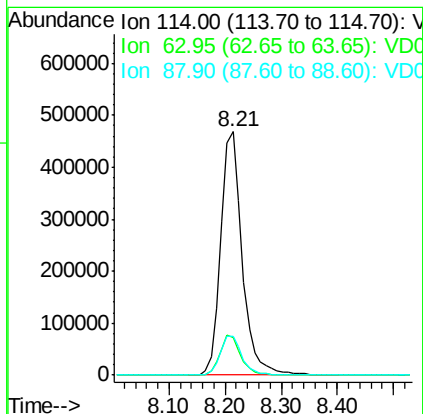
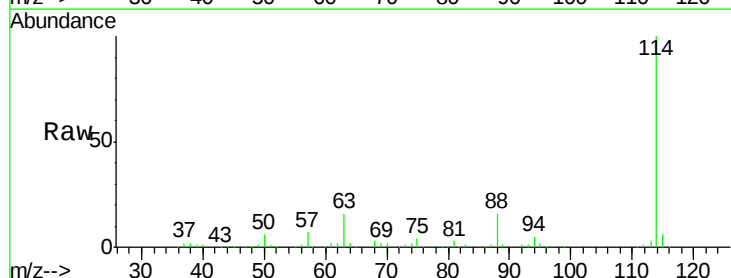
Tgt Ion: 114 Resp: 1251463

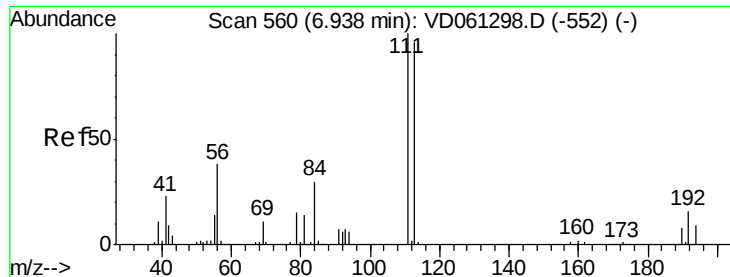
Ion Ratio Lower Upper

114 100

63 15.6 0.0 31.4

88 16.1 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD061330.D

Acq: 26 Mar 2019 8:57

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS03

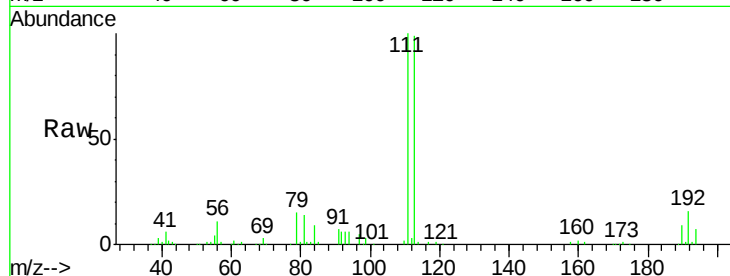
Tot Ion:113 Resp: 498564

Ion Ratio Lower Upper

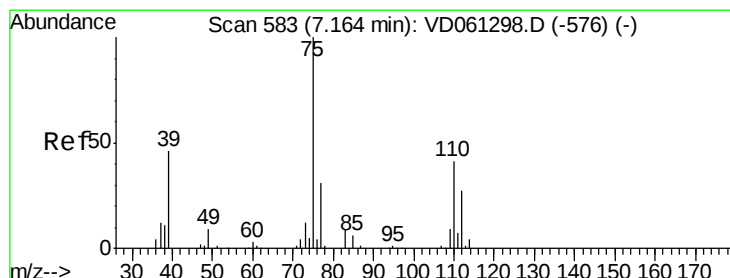
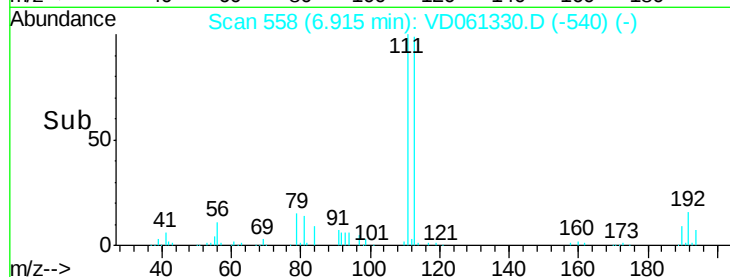
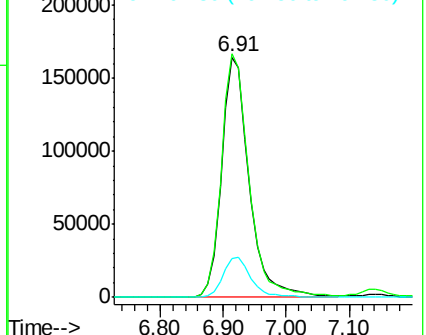
113 100

111 101.4 83.7 125.5

192 15.9 13.4 20.0



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 22.048 ug/l

RT: 7.14 min Scan# 581

Delta R.T. -0.02 min

Lab File: VD061330.D

Acq: 26 Mar 2019 8:57

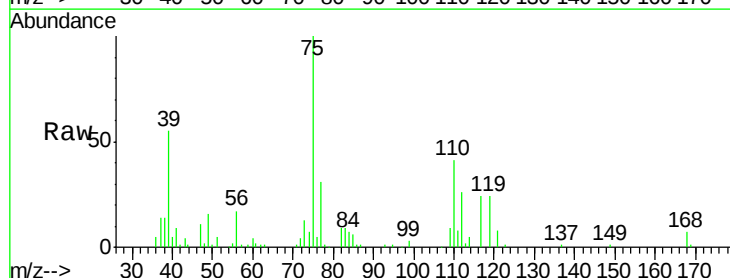
Tgt Ion: 75 Resp: 225751

Ion Ratio Lower Upper

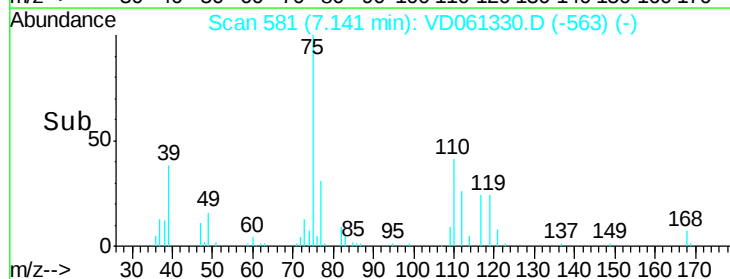
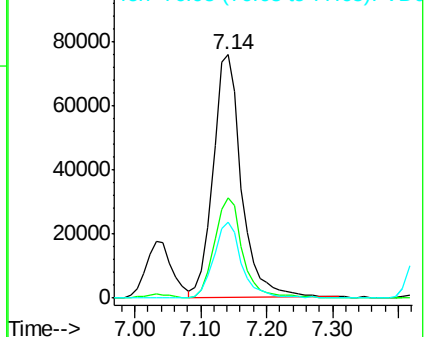
75 100

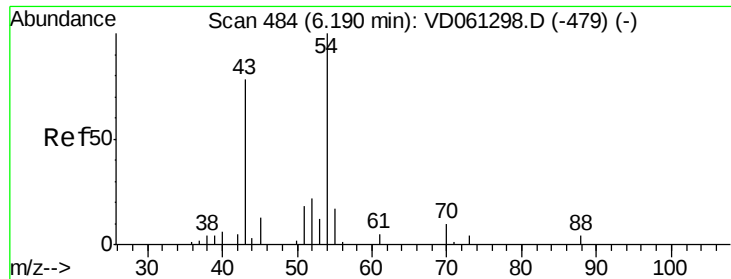
110 41.2 20.1 60.2

77 31.2 24.3 36.5



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

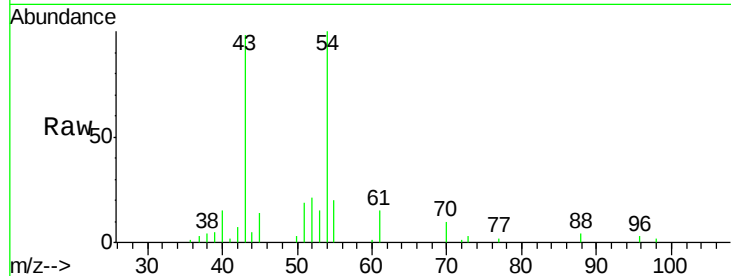




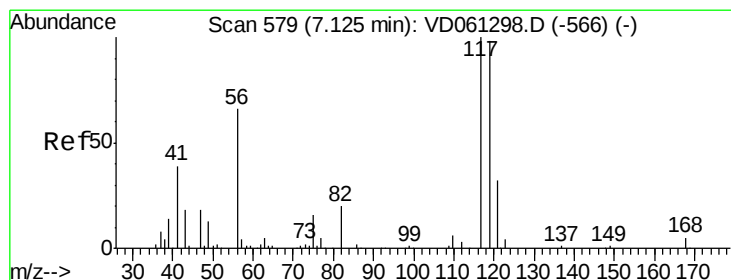
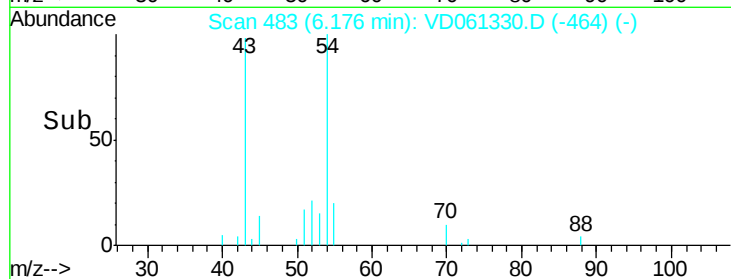
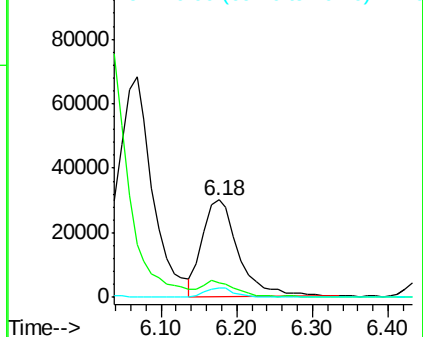
#37
Ethyl Acetate
Concen: 23.341 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.01 min
Lab File: VD061330.D
Acq: 26 Mar 2019 8:57

Instrument :
MSVOA_D
ClientSampleId :
VD0325SBS03

Tot Ion: 43 Resp: 99821
Ion Ratio Lower Upper
43 100
61 15.4 12.6 19.0
70 10.0 8.2 12.4

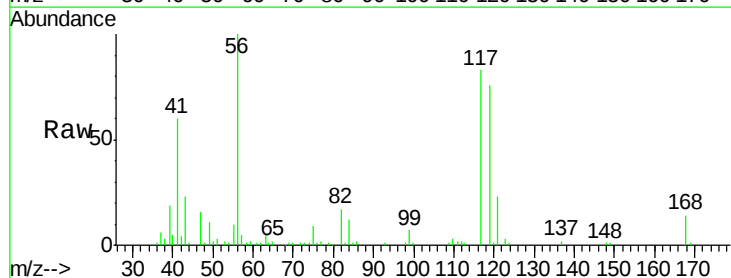


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

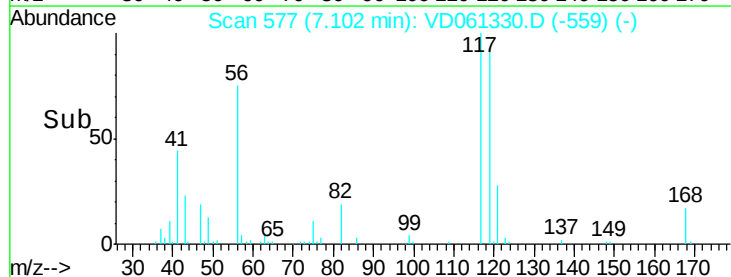
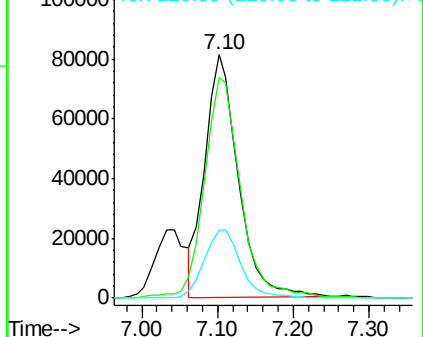


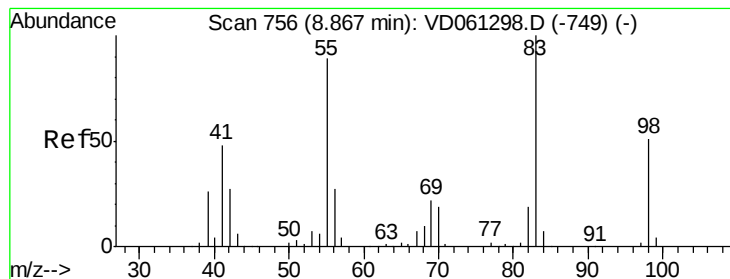
#38
Carbon Tetrachloride
Concen: 21.273 ug/l
RT: 7.10 min Scan# 577
Delta R.T. -0.02 min
Lab File: VD061330.D
Acq: 26 Mar 2019 8:57

Tgt Ion: 117 Resp: 248945
Ion Ratio Lower Upper
117 100
119 90.7 78.4 117.6
121 27.9 25.1 37.7



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 21.740 ug/l

RT: 8.85 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD061330.D

Acq: 26 Mar 2019 8:57

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS03

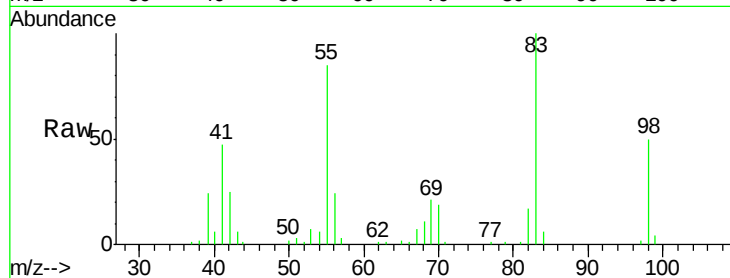
Tot Ion: 83 Resp: 230535

Ion Ratio Lower Upper

83 100

55 85.1 71.3 106.9

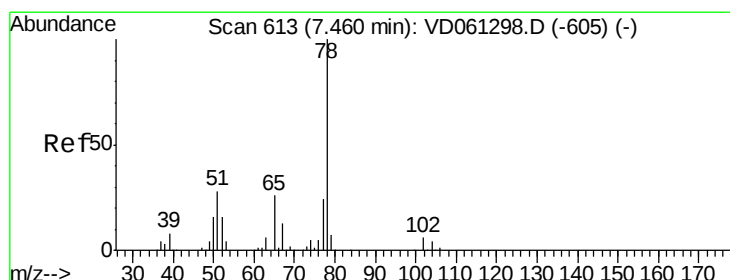
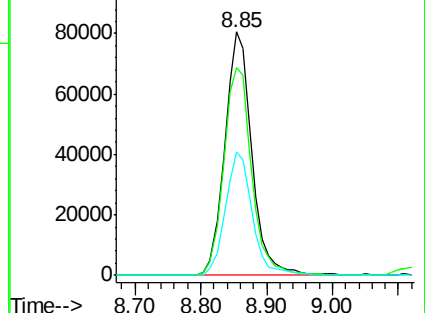
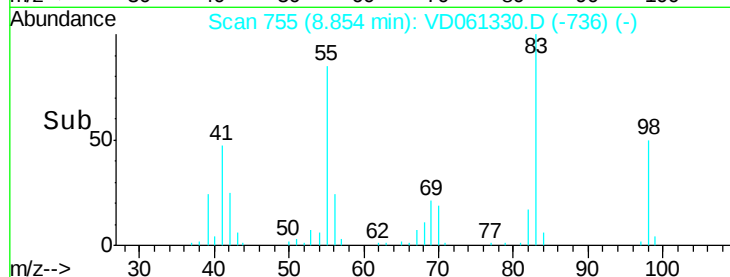
98 50.5 40.4 60.6



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 22.493 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD061330.D

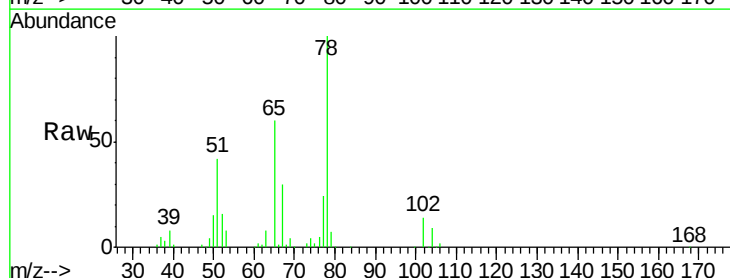
Acq: 26 Mar 2019 8:57

Tgt Ion: 78 Resp: 571967

Ion Ratio Lower Upper

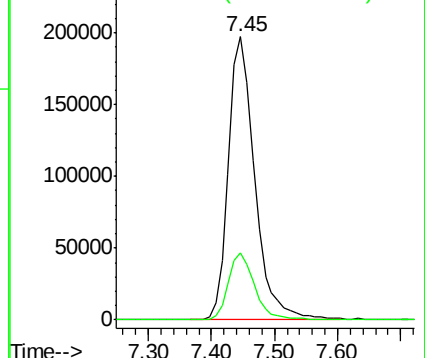
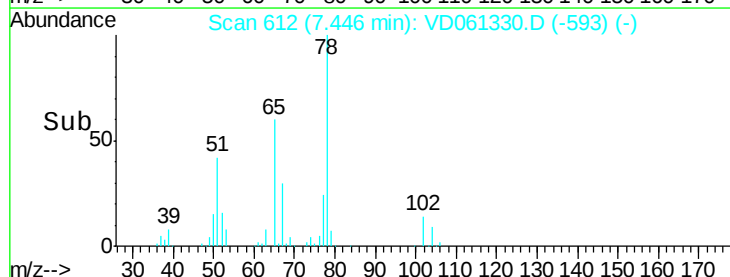
78 100

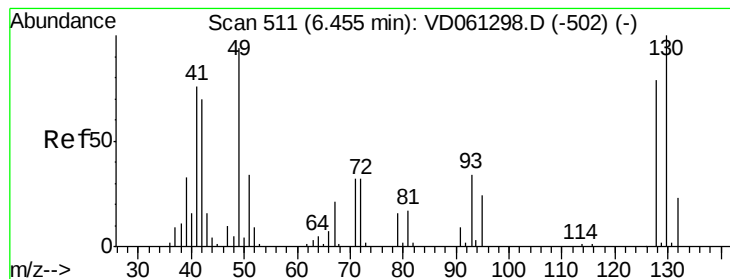
77 23.7 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 23.435 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD061330.D

Acq: 26 Mar 2019 8:57

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS03

Tot Ion: 41 Resp: 116462

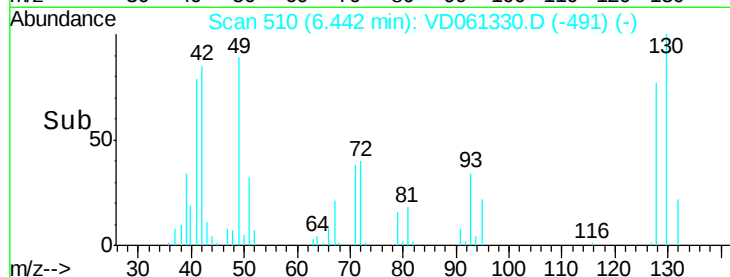
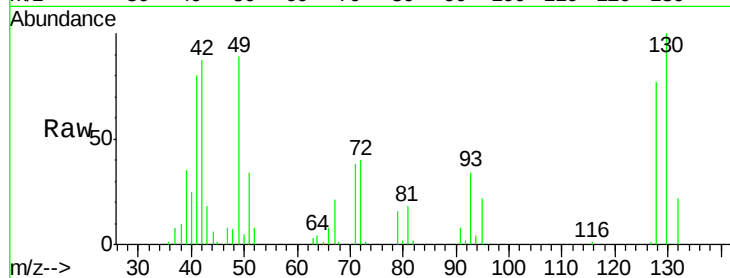
Ion Ratio Lower Upper

41 100

39 43.4 34.2 51.2

67 26.5 21.8 32.6

52 10.6 9.0 13.4

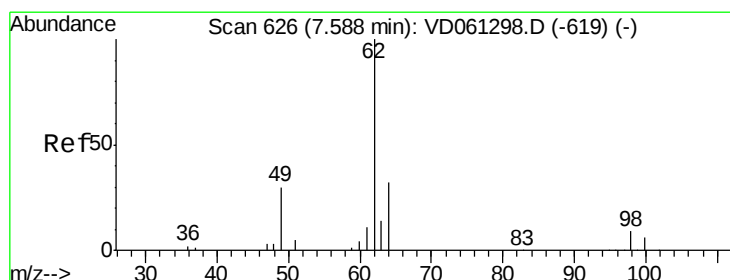
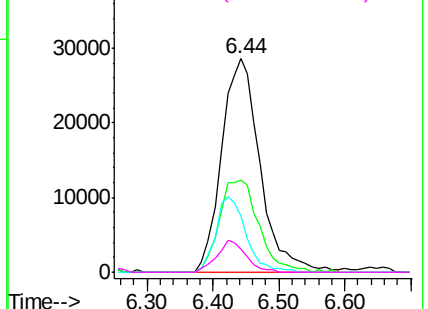


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.531 ug/l

RT: 7.57 min Scan# 625

Delta R.T. -0.01 min

Lab File: VD061330.D

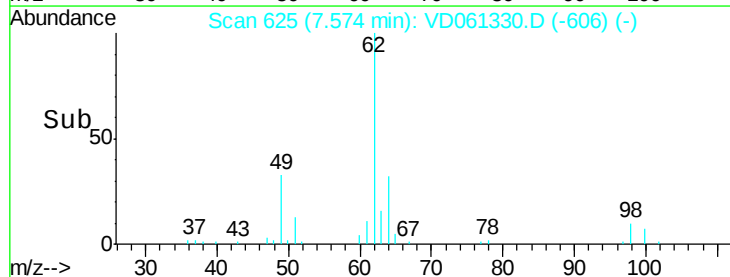
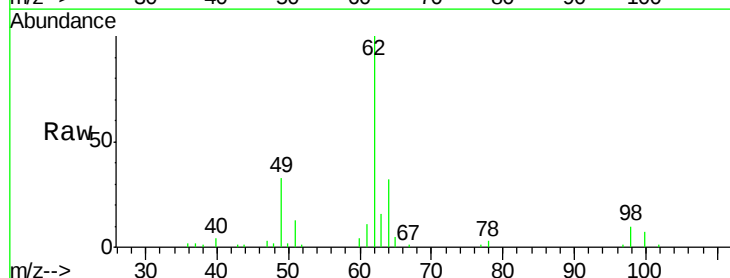
Acq: 26 Mar 2019 8:57

Tgt Ion: 62 Resp: 170637

Ion Ratio Lower Upper

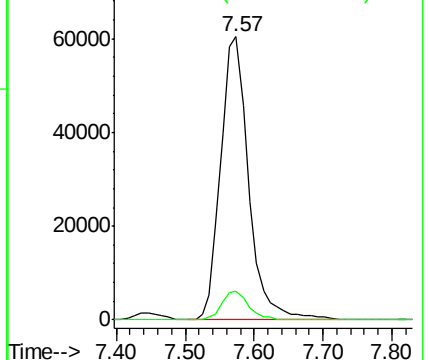
62 100

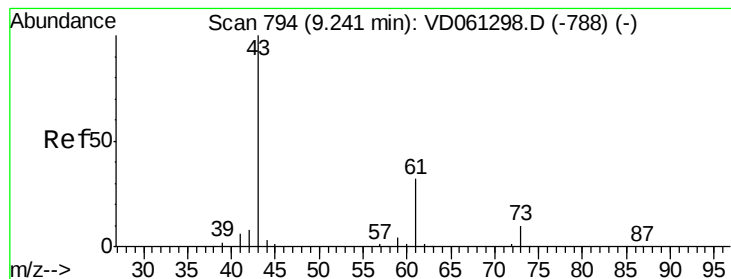
98 10.0 0.0 18.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 21.715 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.01 min

Lab File: VD061330.D

Acq: 26 Mar 2019 8:57

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS03

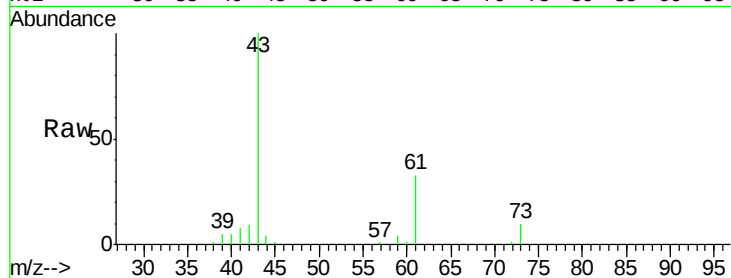
Tot Ion: 43 Resp: 133904

Ion Ratio Lower Upper

43 100

61 32.6 25.8 38.8

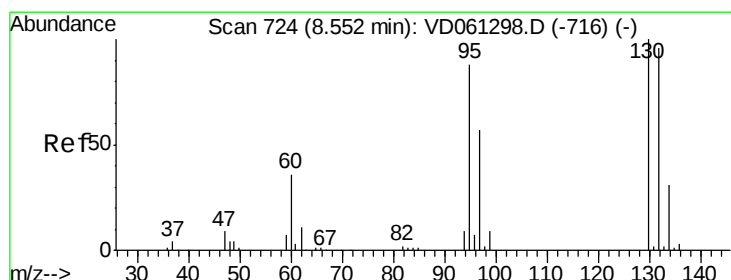
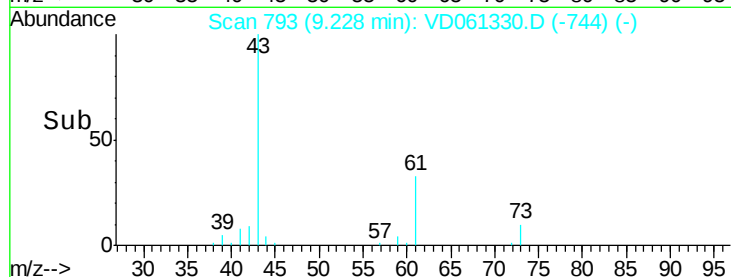
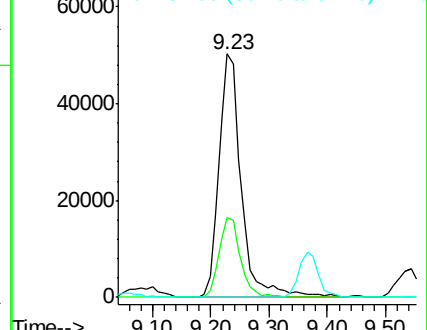
87 0.0 0.3 0.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 22.913 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.02 min

Lab File: VD061330.D

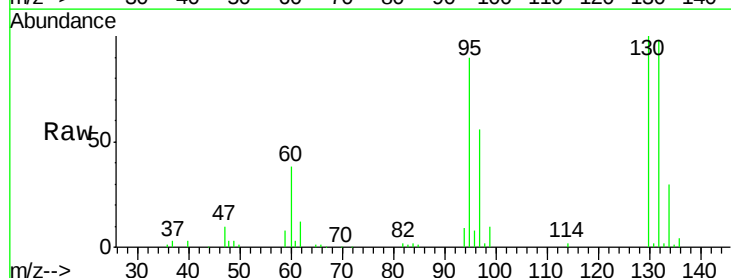
Acq: 26 Mar 2019 8:57

Tgt Ion:130 Resp: 210723

Ion Ratio Lower Upper

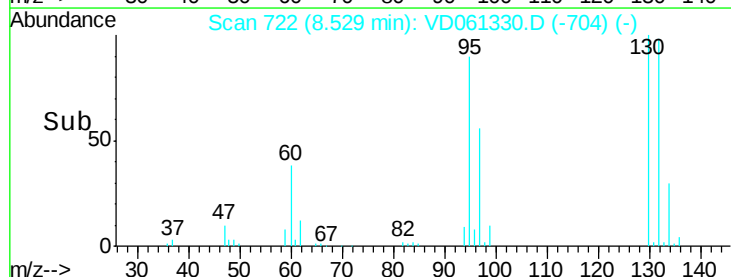
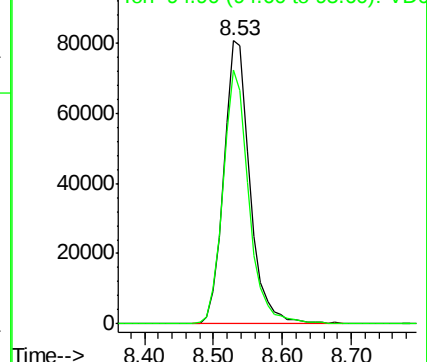
130 100

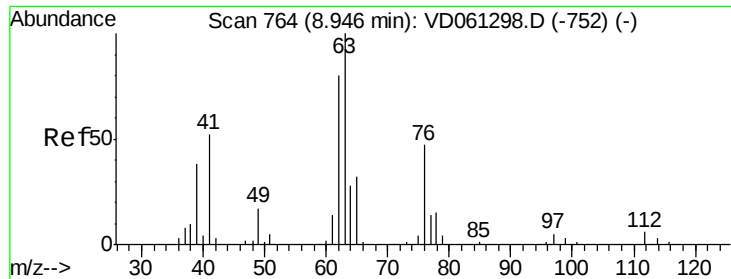
95 89.8 0.0 175.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 23.136 ug/l

RT: 8.93 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD061330.D

Acq: 26 Mar 2019 8:57

Instrument :

MSVOA_D

ClientSampleId :

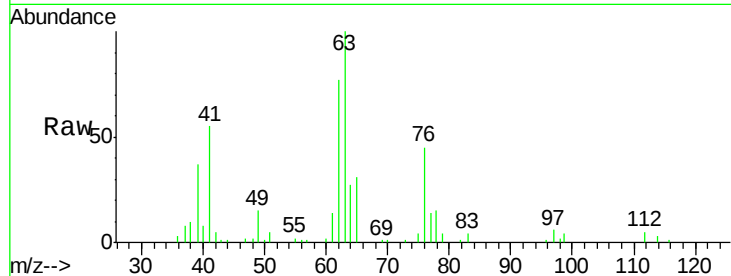
VD0325SBS03

Tot Ion: 63 Resp: 145202

Ion Ratio Lower Upper

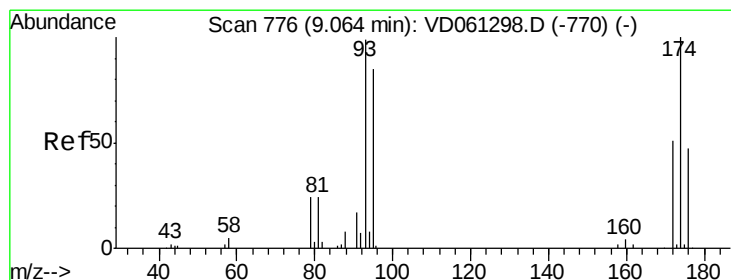
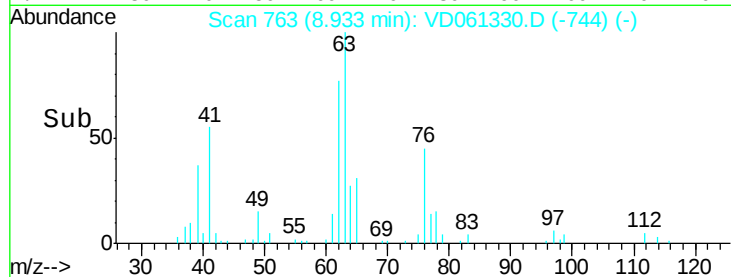
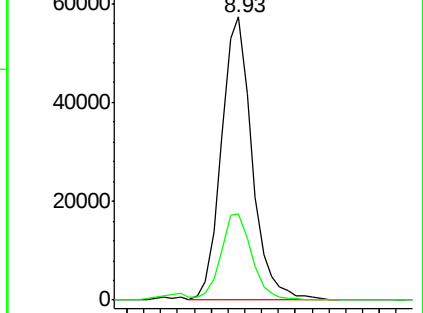
63 100

65 30.6 25.2 37.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 23.174 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD061330.D

Acq: 26 Mar 2019 8:57

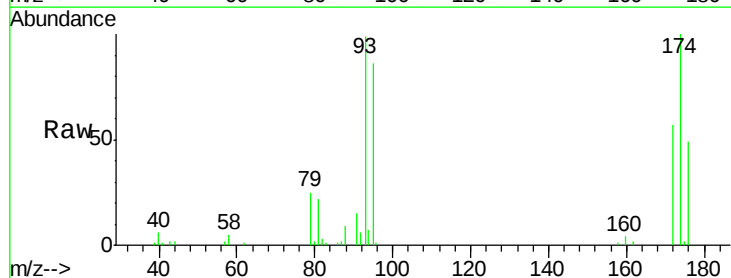
Tgt Ion: 93 Resp: 99696

Ion Ratio Lower Upper

93 100

95 86.5 68.1 102.1

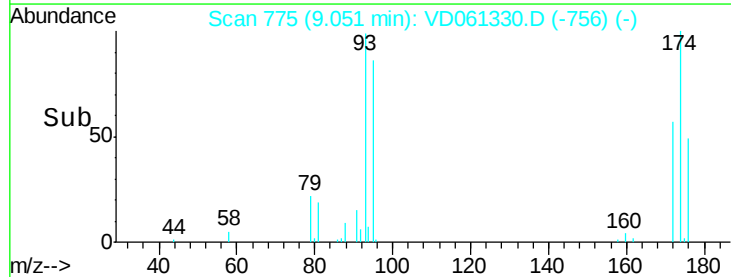
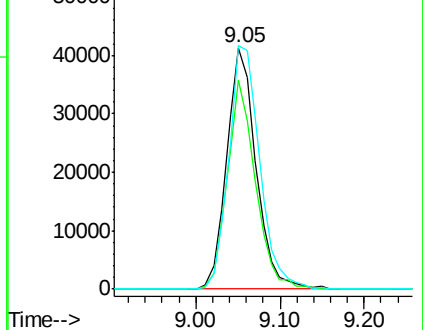
174 100.8 80.4 120.6

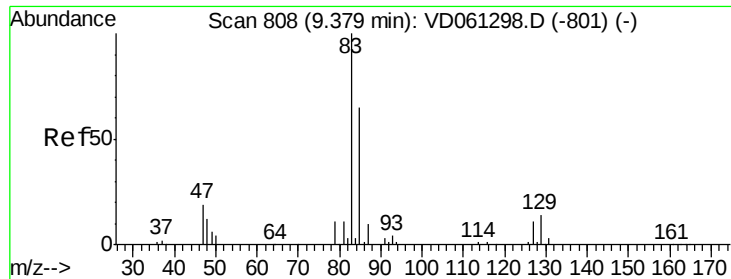


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.479 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.01 min

Lab File: VD061330.D

Acq: 26 Mar 2019 8:57

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS03

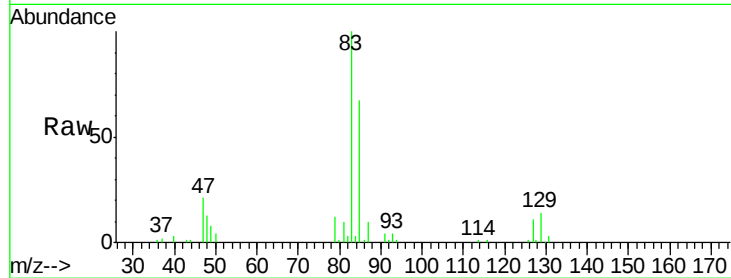
Tot Ion: 83 Resp: 216581

Ion Ratio Lower Upper

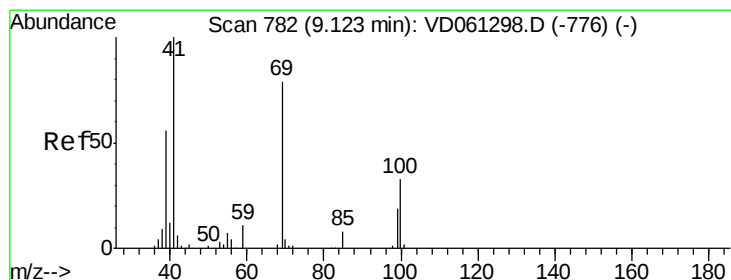
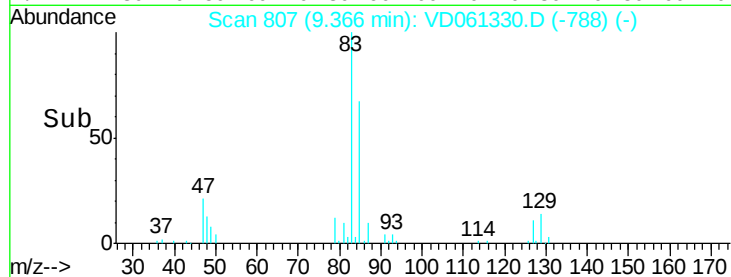
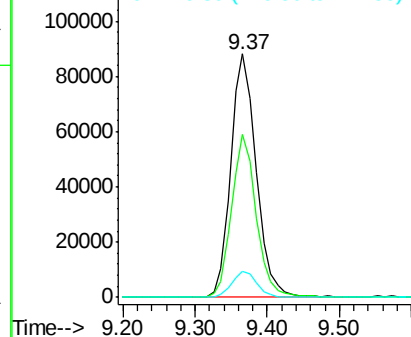
83 100

85 66.7 51.7 77.5

127 10.7 8.8 13.2



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



#48

Methyl methacrylate

Concen: 24.708 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.01 min

Lab File: VD061330.D

Acq: 26 Mar 2019 8:57

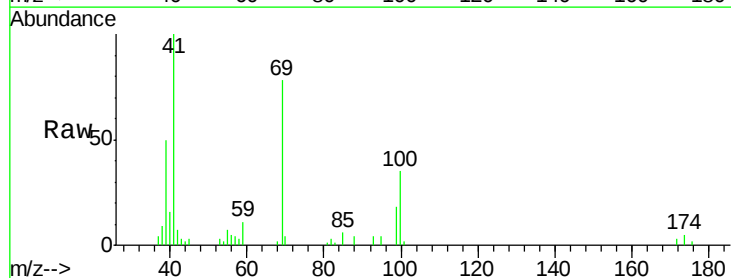
Tgt Ion: 41 Resp: 81319

Ion Ratio Lower Upper

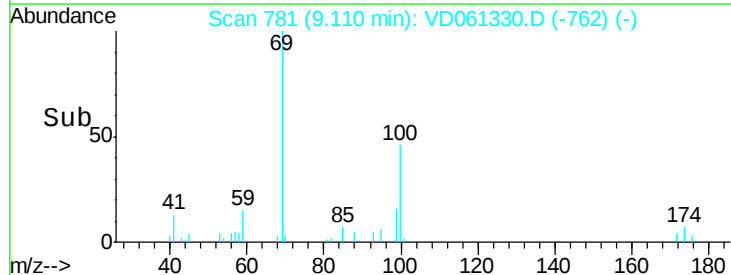
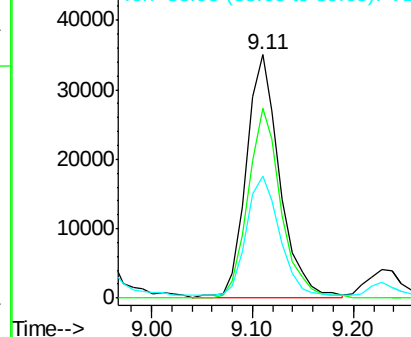
41 100

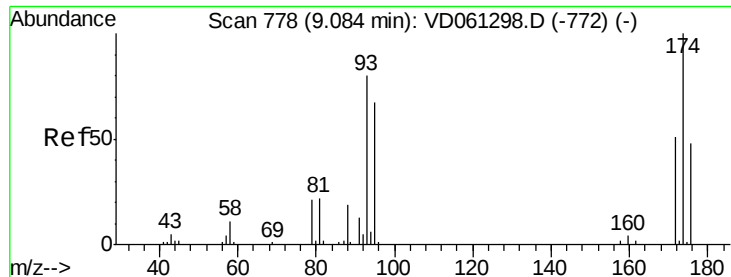
69 77.9 62.4 93.6

39 49.9 44.9 67.3



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





#49

1,4-Dioxane

Concen: 528.199 ug/l

RT: 9.07 min Scan# 777

Delta R.T. -0.01 min

Lab File: VD061330.D

Acq: 26 Mar 2019 8:57

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS03

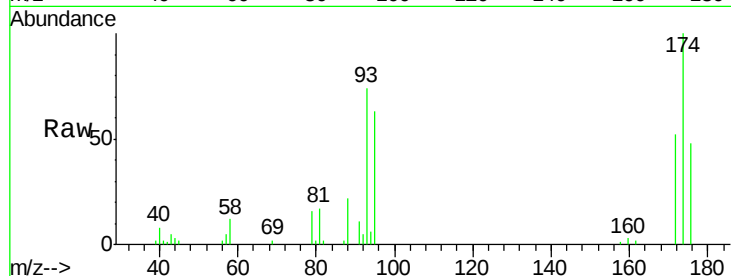
Tot Ion: 88 Resp: 19074

Ion Ratio Lower Upper

88 100

43 24.7 20.7 31.1

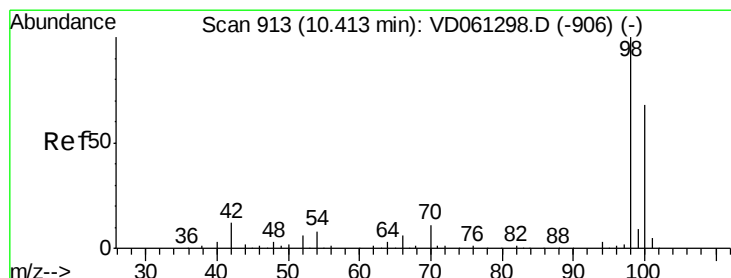
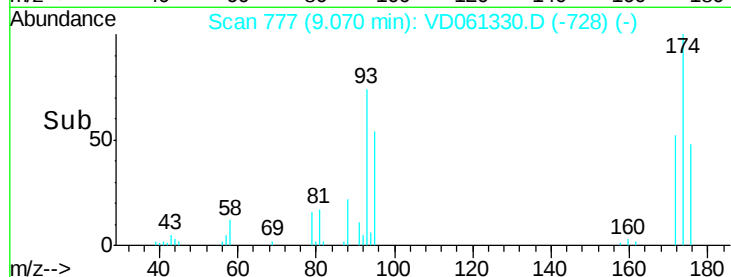
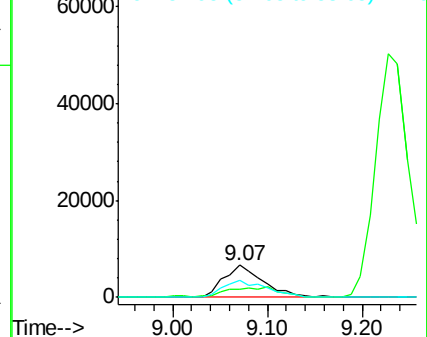
58 55.0 44.9 67.3



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 528.199 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.01 min

Lab File: VD061330.D

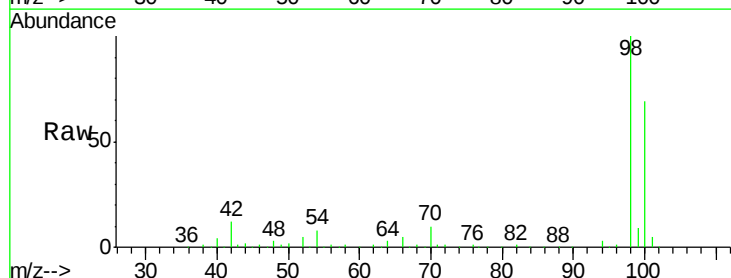
Acq: 26 Mar 2019 8:57

Tgt Ion: 98 Resp: 1108752

Ion Ratio Lower Upper

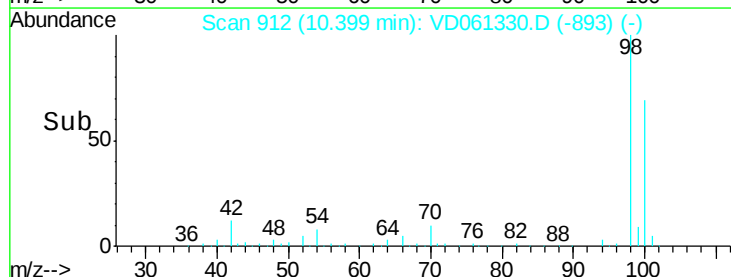
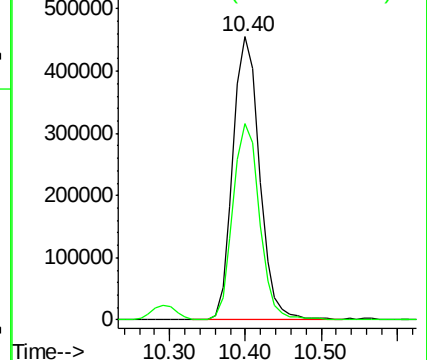
98 100

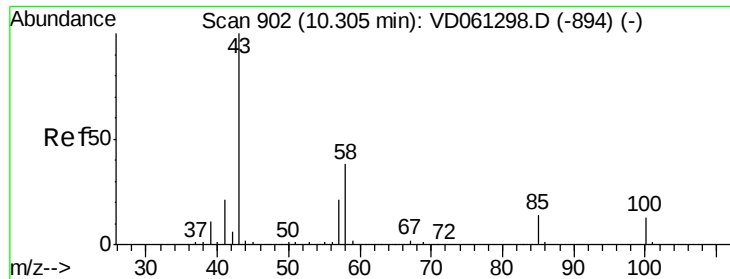
100 69.4 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 117.171 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD061330.D

Acq: 26 Mar 2019 8:57

Instrument :

MSVOA_D

ClientSampleId :

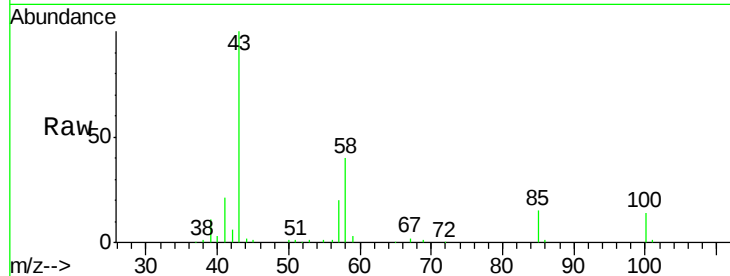
VD0325SBS03

Tot Ion: 43 Resp: 430113

Ion Ratio Lower Upper

43 100

58 39.9 30.6 45.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.29

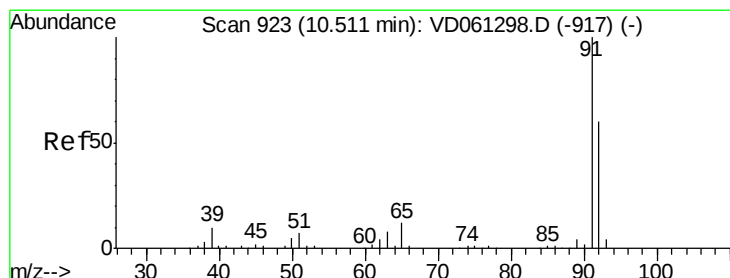
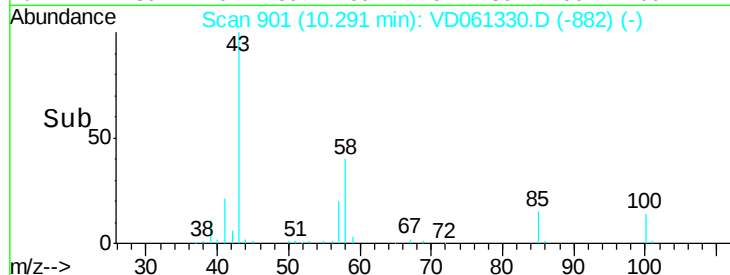
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 22.542 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD061330.D

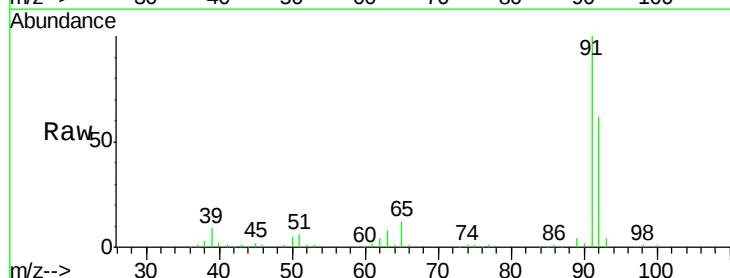
Acq: 26 Mar 2019 8:57

Tgt Ion: 92 Resp: 350734

Ion Ratio Lower Upper

92 100

91 162.5 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

300000

250000

200000

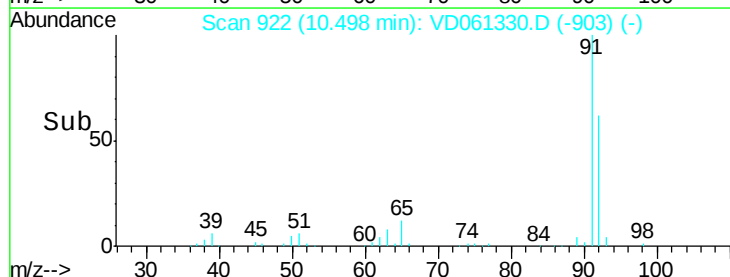
150000

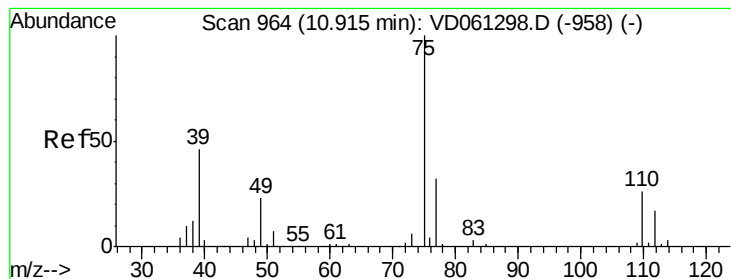
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 22.713 ug/l

RT: 10.90 min Scan# 963

Delta R.T. -0.01 min

Lab File: VD061330.D

Acq: 26 Mar 2019 8:57

Instrument :

MSVOA_D

ClientSampleId :

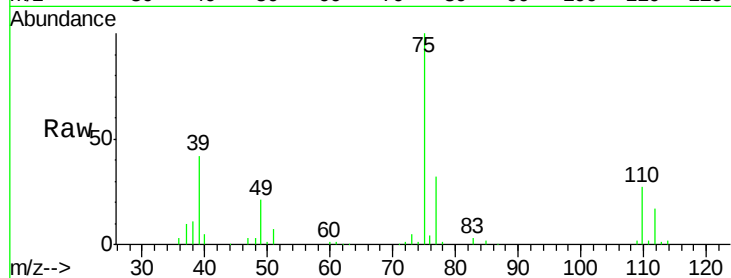
VD0325SBS03

Tot Ion: 75 Resp: 199032

Ion Ratio Lower Upper

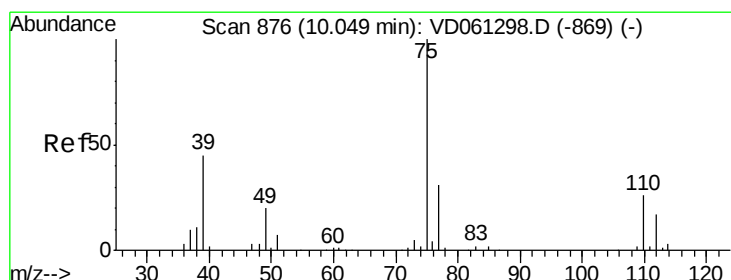
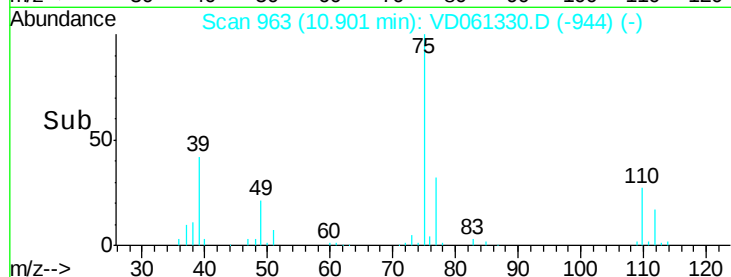
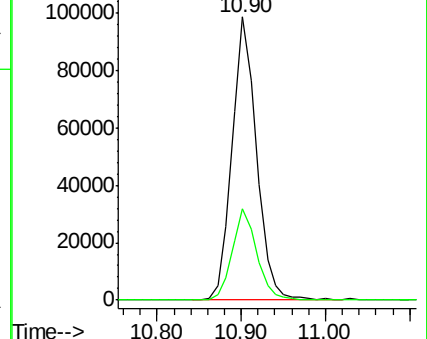
75 100

77 32.1 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 22.577 ug/l

RT: 10.03 min Scan# 874

Delta R.T. -0.02 min

Lab File: VD061330.D

Acq: 26 Mar 2019 8:57

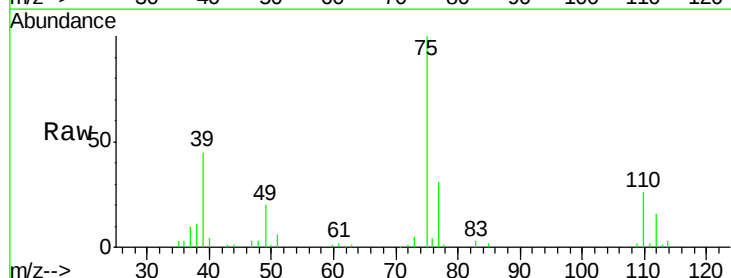
Tgt Ion: 75 Resp: 241582

Ion Ratio Lower Upper

75 100

77 31.4 24.9 37.3

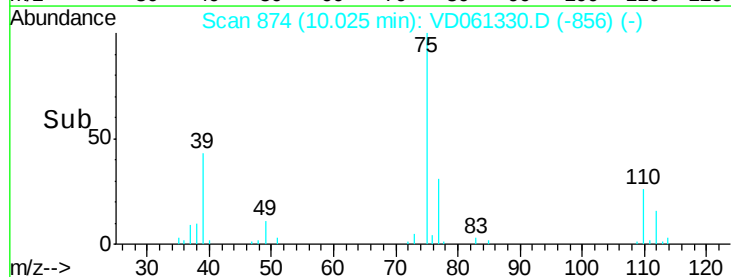
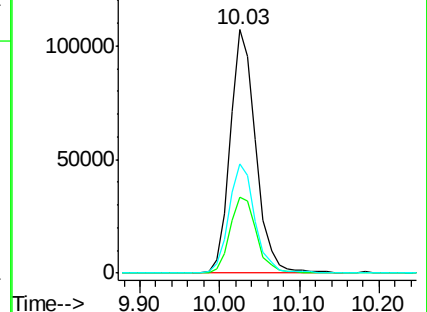
39 45.1 36.0 54.0

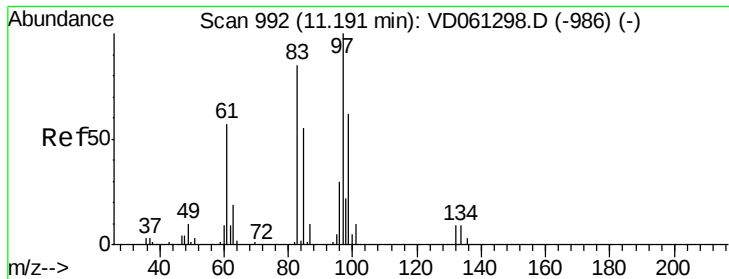


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

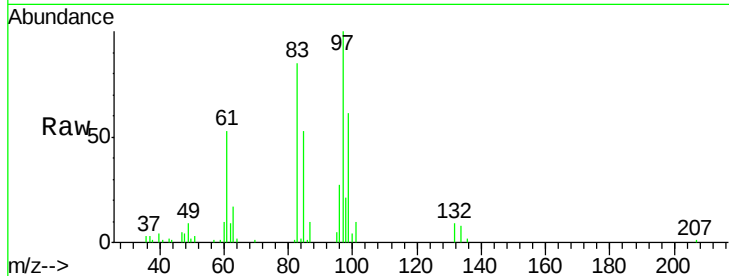




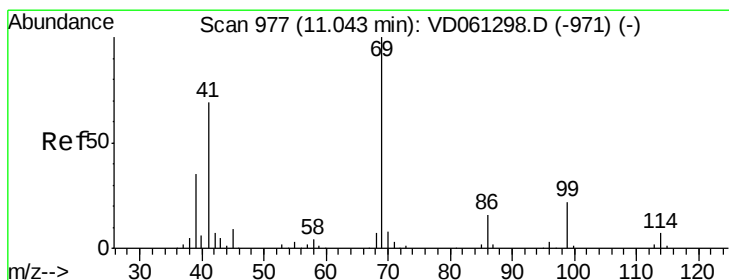
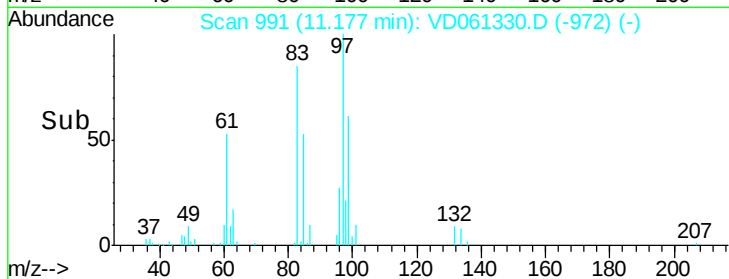
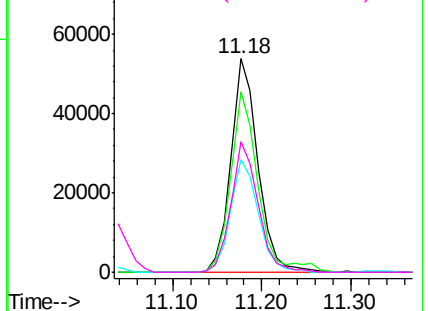
#55
 1,1,2-Trichloroethane
 Concen: 22.285 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VD061330.D
 Acq: 26 Mar 2019 8:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBS03

Tot Ion: 97 Resp: 115120
 Ion Ratio Lower Upper
 97 100
 83 84.7 67.7 101.5
 85 53.0 43.8 65.8
 99 61.2 49.8 74.6

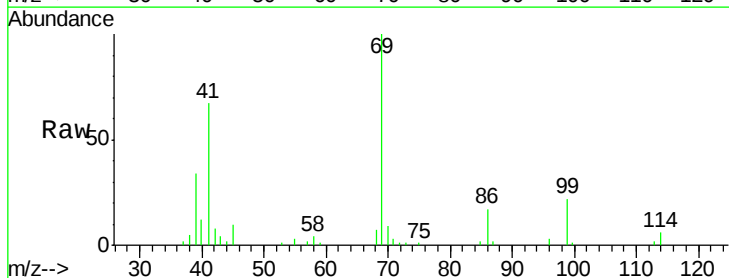


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

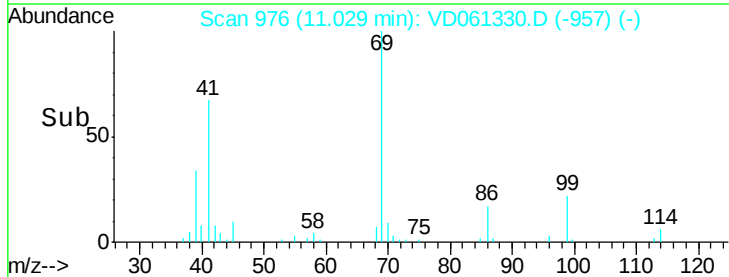
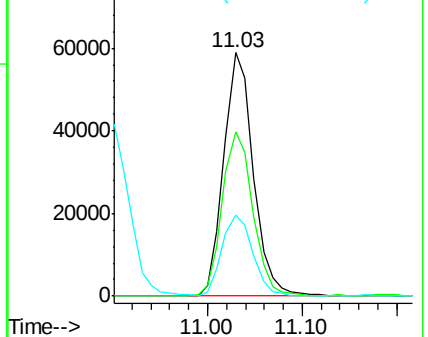


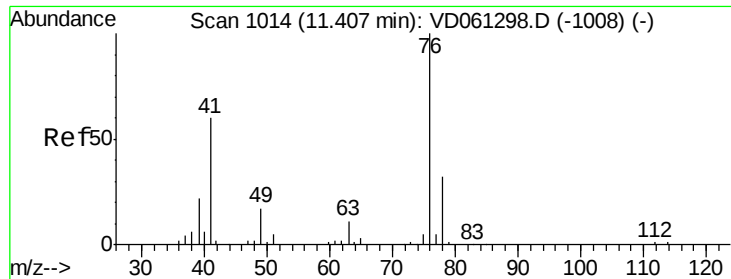
#56
 Ethyl methacrylate
 Concen: 23.162 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. -0.01 min
 Lab File: VD061330.D
 Acq: 26 Mar 2019 8:57

Tgt Ion: 69 Resp: 127674
 Ion Ratio Lower Upper
 69 100
 41 67.4 54.9 82.3
 39 33.6 28.5 42.7



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

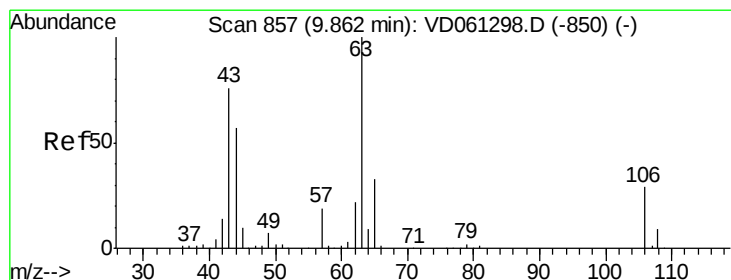
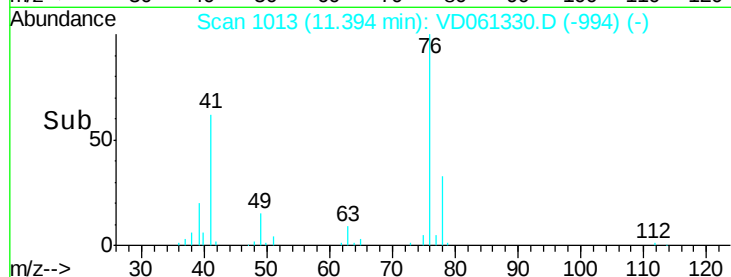
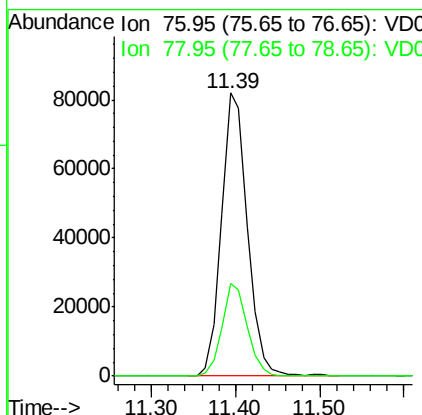
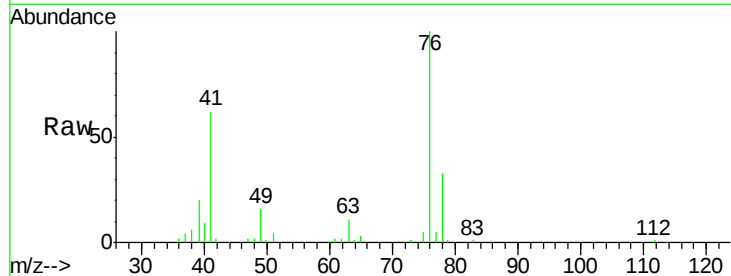




#57
 1,3-Dichloropropane
 Concen: 22.469 ug/l
 RT: 11.39 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VD061330.D
 Acq: 26 Mar 2019 8:57

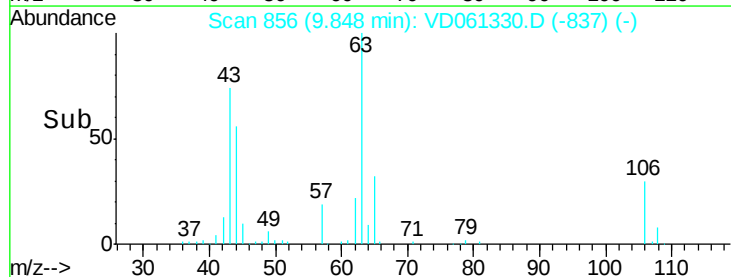
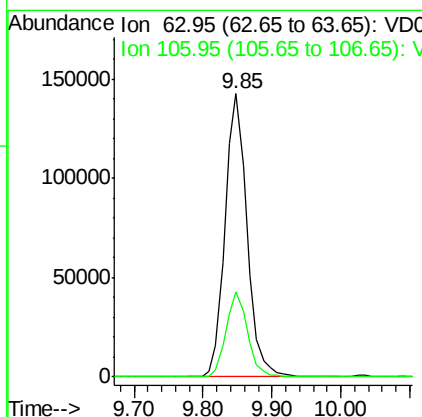
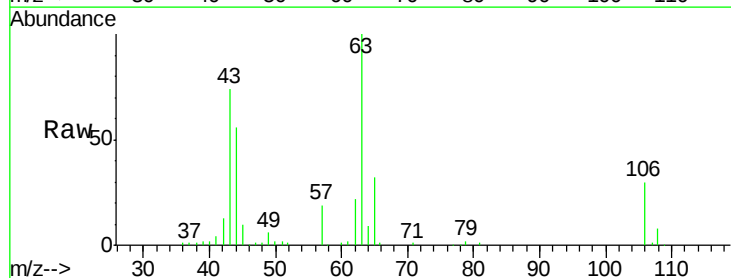
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBS03

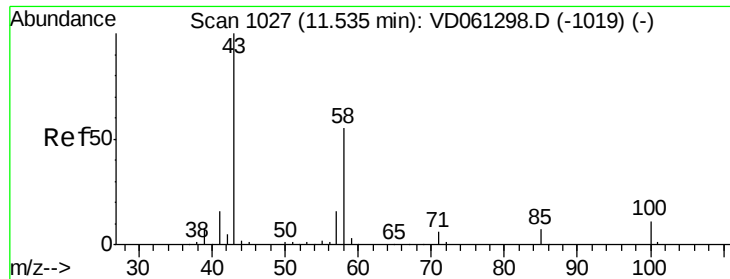
Tot Ion: 76 Resp: 175296
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.055 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: VD061330.D
 Acq: 26 Mar 2019 8:57

Tgt Ion: 63 Resp: 315601
 Ion Ratio Lower Upper
 63 100
 106 29.8 23.4 35.0

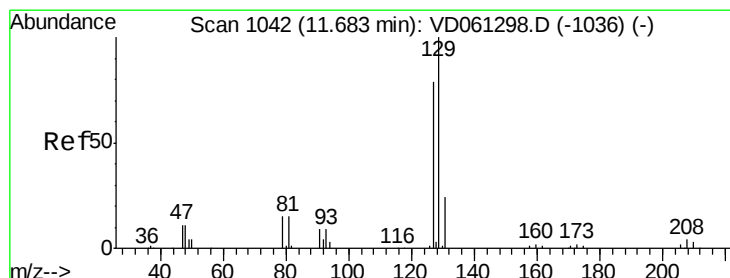
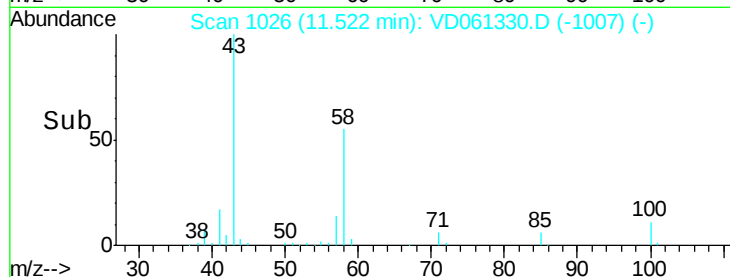
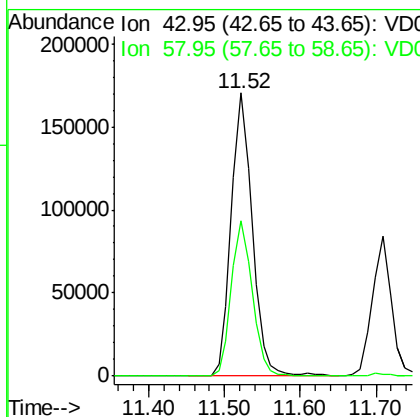
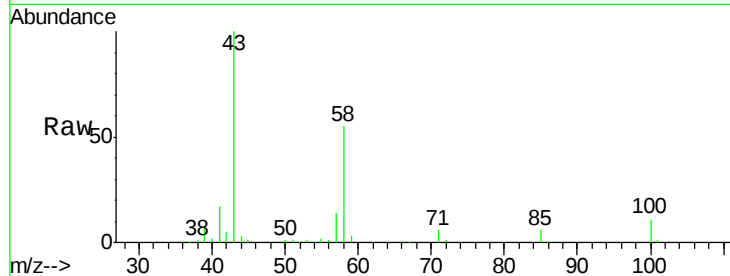




#59
2-Hexanone
Concen: 123.313 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD061330.D
Acq: 26 Mar 2019 8:57

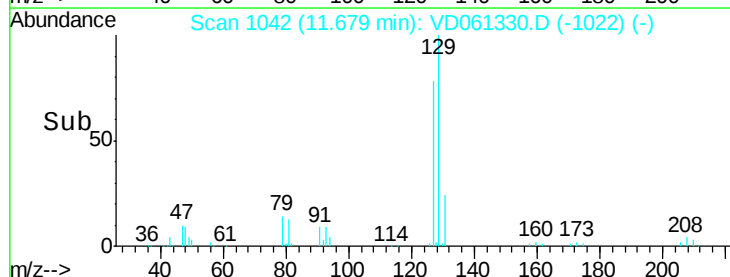
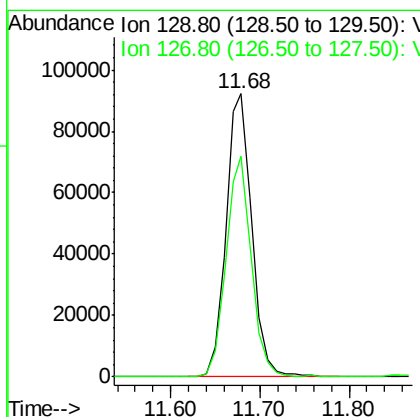
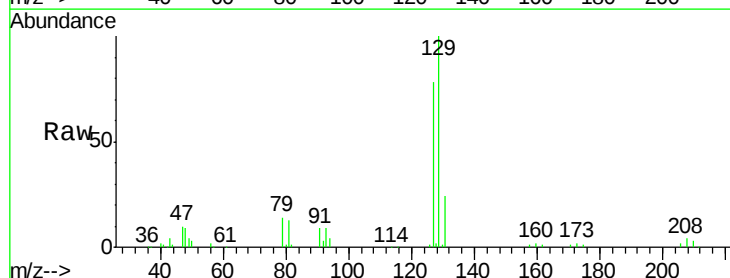
Instrument :
MSVOA_D
ClientSampleId :
VD0325SBS03

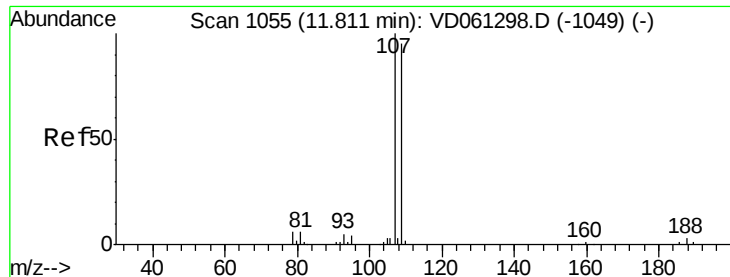
Tot Ion: 43 Resp: 328762
Ion Ratio Lower Upper
43 100
58 55.0 27.4 82.0



#60
Dibromochloromethane
Concen: 23.160 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD061330.D
Acq: 26 Mar 2019 8:57

Tgt Ion: 129 Resp: 187377
Ion Ratio Lower Upper
129 100
127 78.1 39.6 119.0

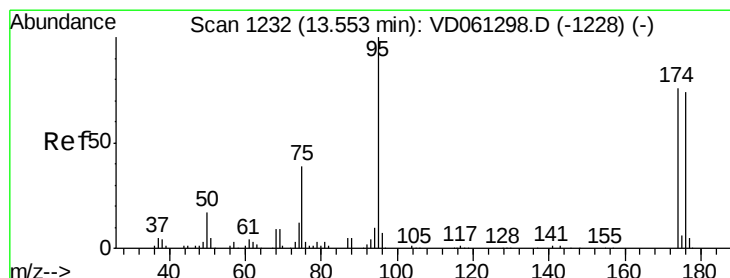
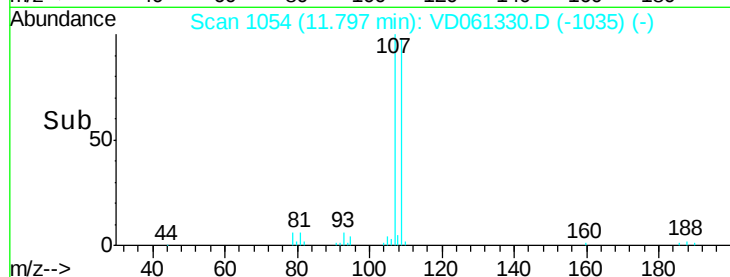
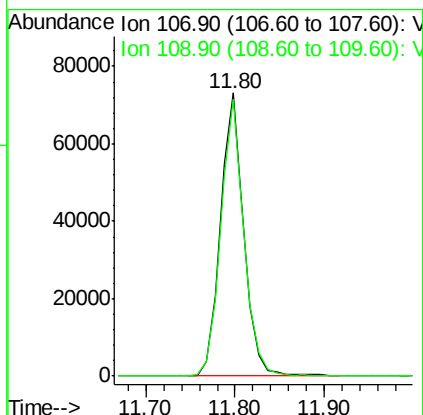
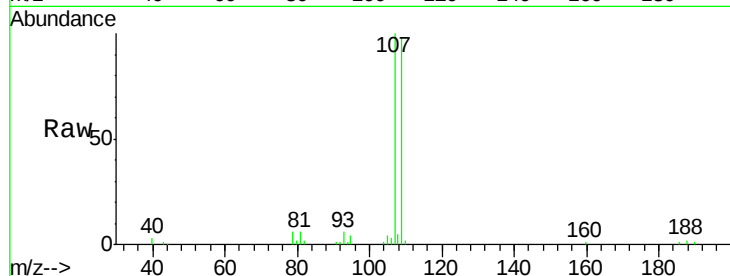




#61
 1,2-Dibromoethane
 Concen: 22.213 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD061330.D
 Acq: 26 Mar 2019 8:57

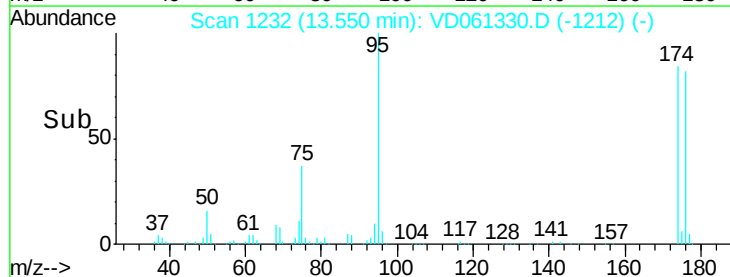
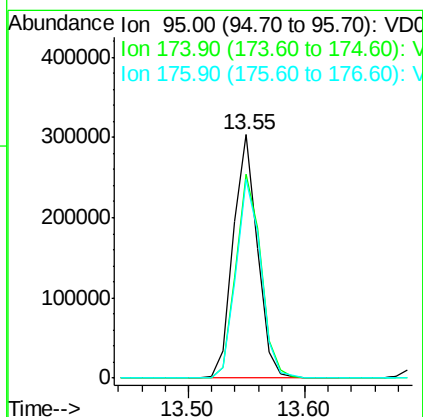
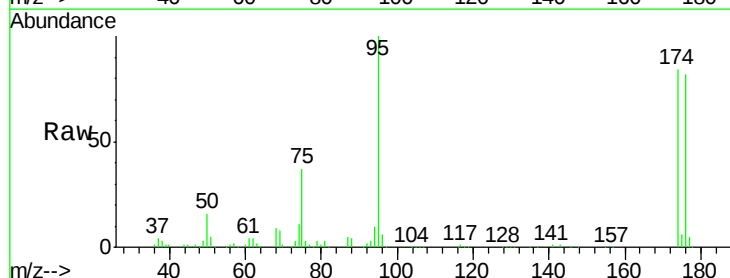
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBS03

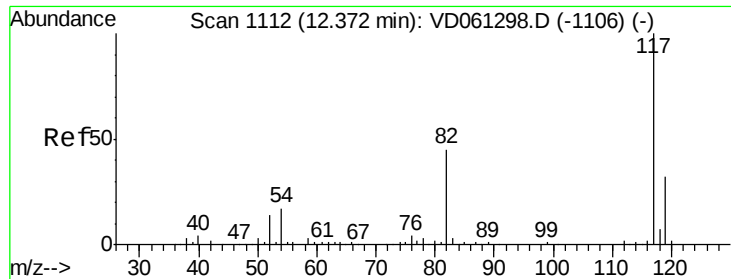
Tot Ion:107 Resp: 134069
 Ion Ratio Lower Upper
 107 100
 109 97.9 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 22.213 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD061330.D
 Acq: 26 Mar 2019 8:57

Tgt Ion: 95 Resp: 435738
 Ion Ratio Lower Upper
 95 100
 174 83.7 0.0 151.8
 176 81.7 0.0 148.0

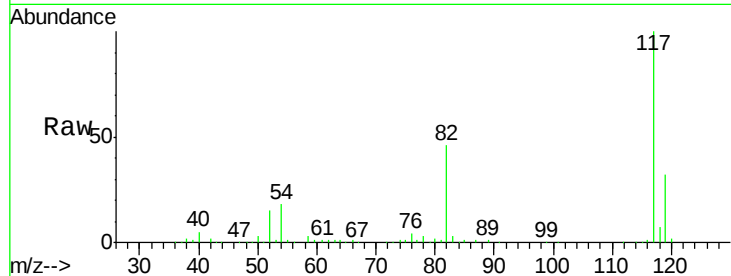




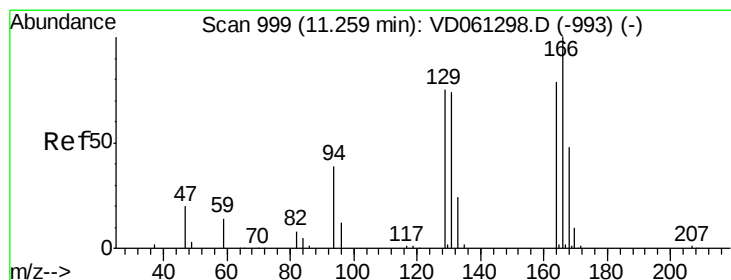
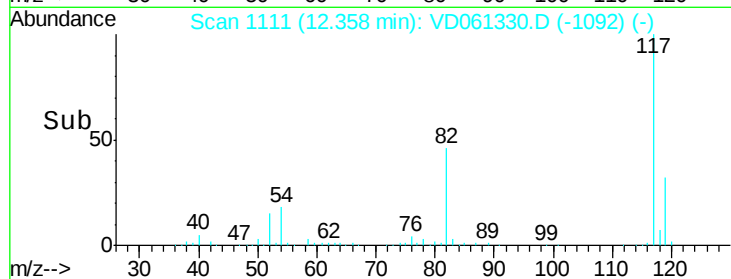
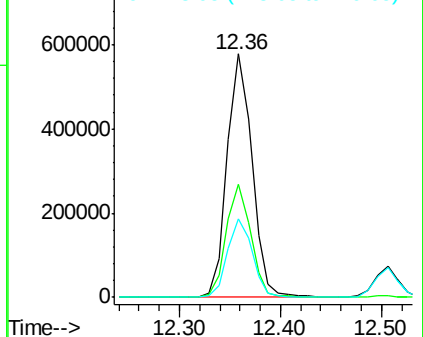
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD061330.D
Acq: 26 Mar 2019 8:57

Instrument :
MSVOA_D
ClientSampleId :
VD0325SBS03

Tot Ion:117 Resp: 992334
Ion Ratio Lower Upper
117 100
82 46.4 35.7 53.5
119 32.3 25.9 38.9

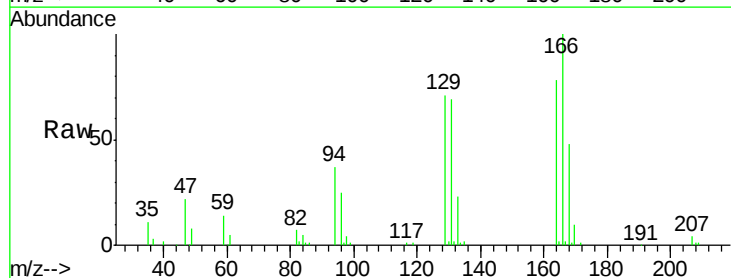


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

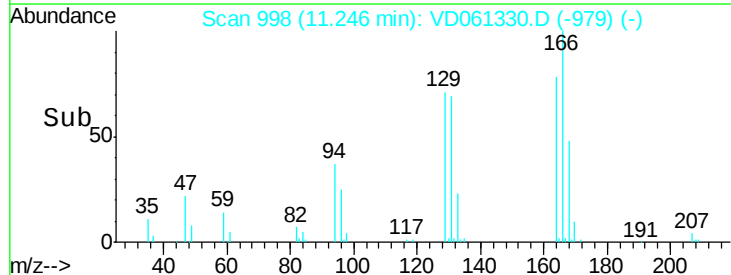
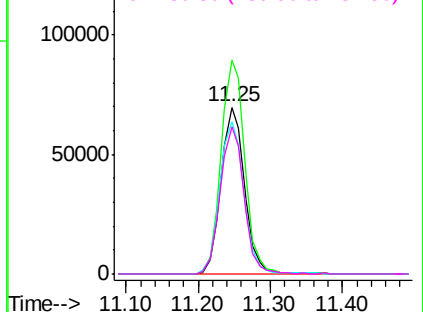


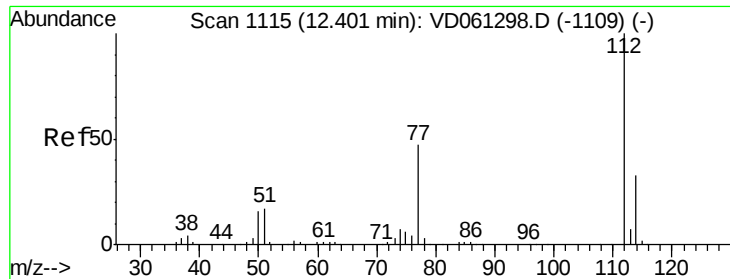
#64
Tetrachloroethene
Concen: 23.090 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.01 min
Lab File: VD061330.D
Acq: 26 Mar 2019 8:57

Tgt Ion:164 Resp: 157841
Ion Ratio Lower Upper
164 100
166 128.0 101.6 152.4
129 91.1 75.9 113.9
131 88.0 75.3 112.9



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

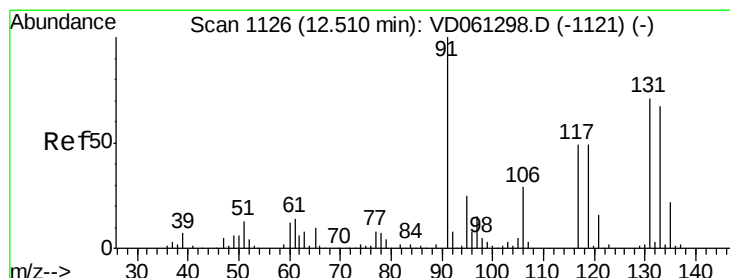
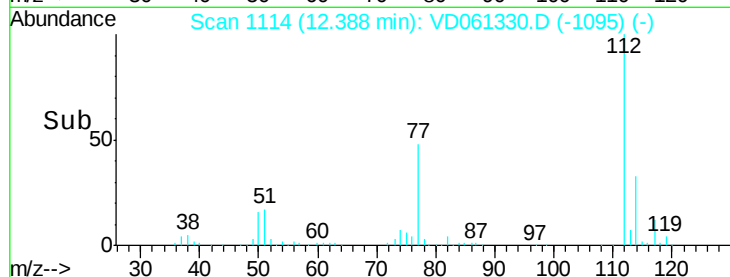
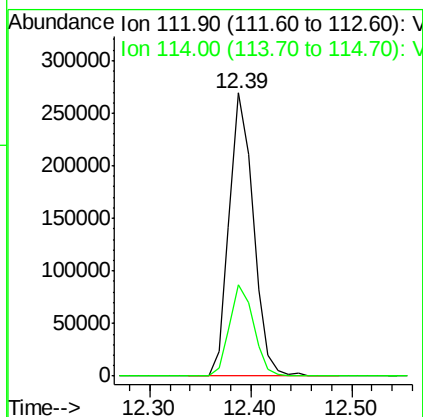
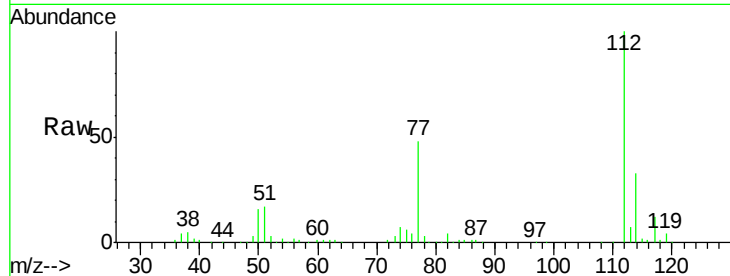




#65
Chlorobenzene
Concen: 24.584 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD061330.D
Acq: 26 Mar 2019 8:57

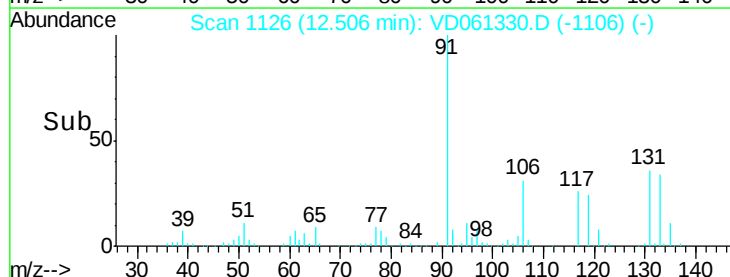
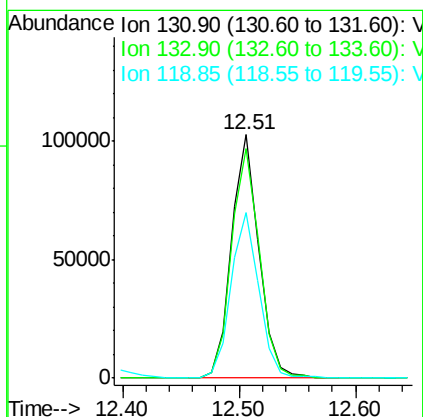
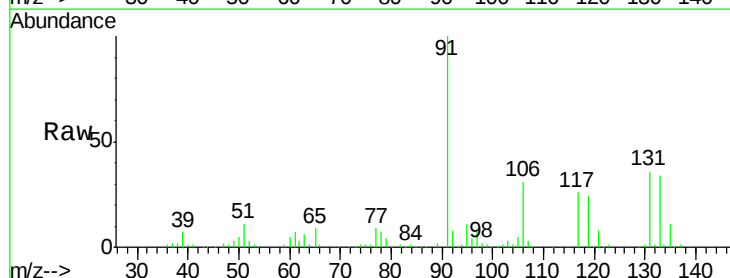
Instrument :
MSVOA_D
ClientSampleId :
VD0325SBS03

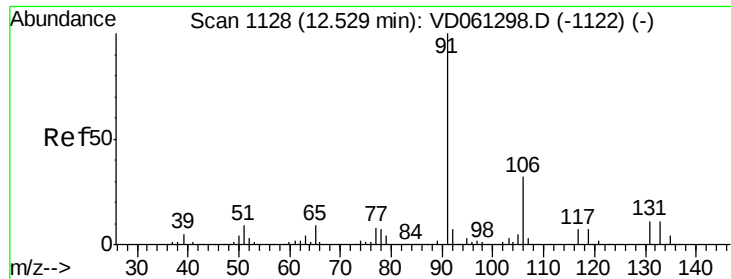
Tot Ion:112 Resp: 449344
Ion Ratio Lower Upper
112 100
114 32.5 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 23.576 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD061330.D
Acq: 26 Mar 2019 8:57

Tgt Ion:131 Resp: 167073
Ion Ratio Lower Upper
131 100
133 94.1 47.0 141.2
119 68.1 34.8 104.5

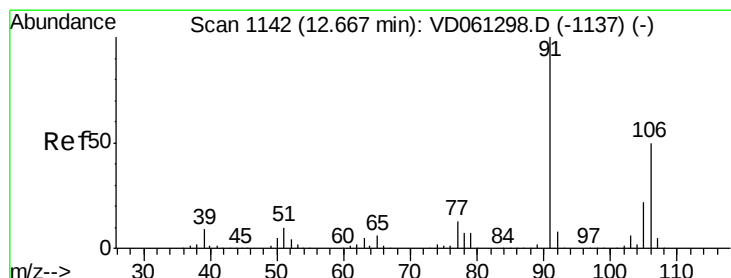
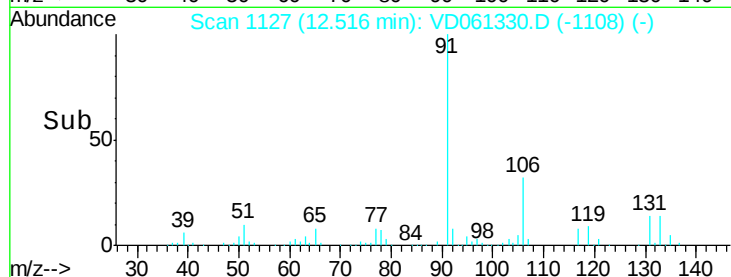
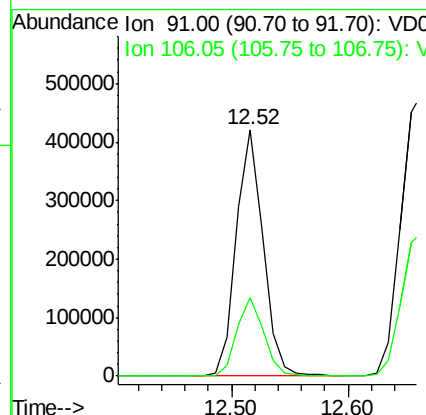
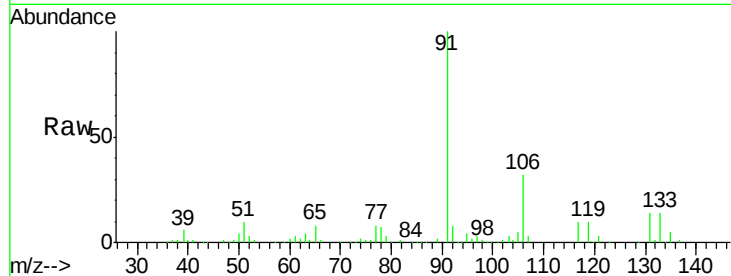




#67
Ethyl Benzene
Concen: 24.127 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD061330.D
Acq: 26 Mar 2019 8:57

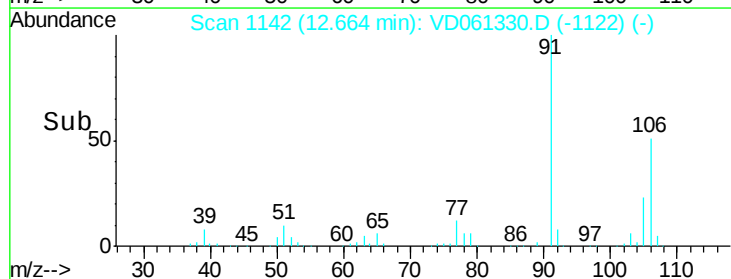
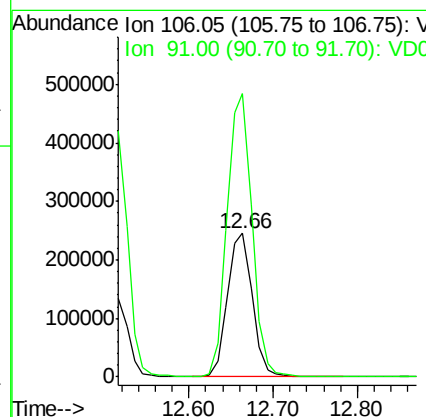
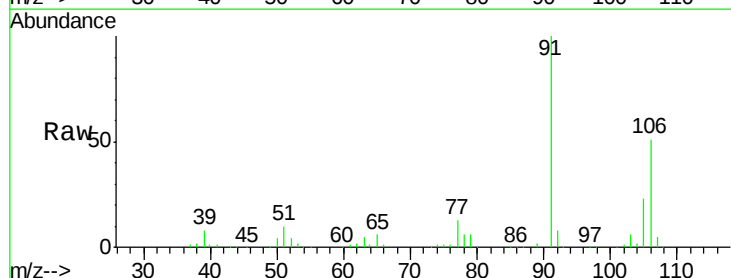
Instrument :
MSVOA_D
ClientSampleId :
VD0325SBS03

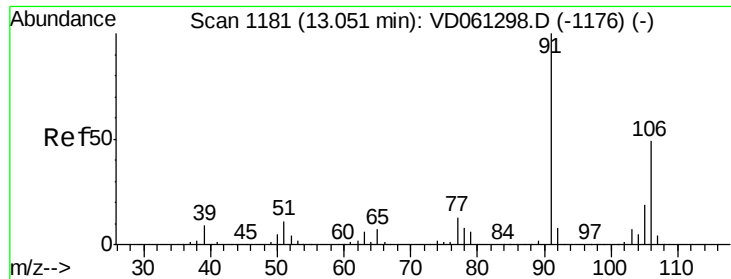
Tot Ion: 91 Resp: 674901
Ion Ratio Lower Upper
91 100
106 31.9 25.8 38.8



#68
m/p-Xylenes
Concen: 45.791 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD061330.D
Acq: 26 Mar 2019 8:57

Tgt Ion: 106 Resp: 499999
Ion Ratio Lower Upper
106 100
91 197.4 159.2 238.8

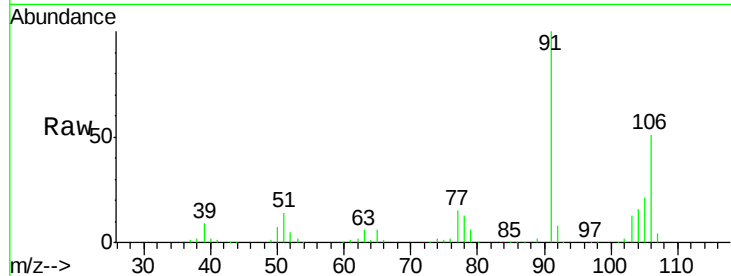




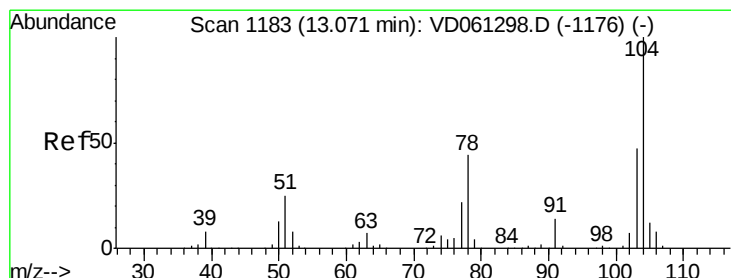
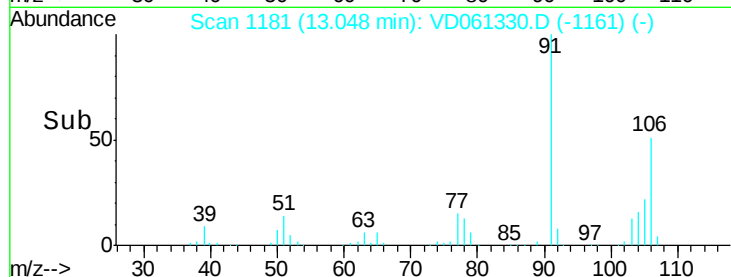
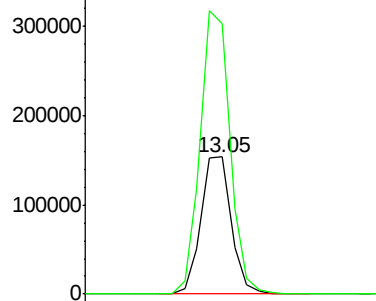
#69
o-Xylene
Concen: 25.084 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD061330.D
Acq: 26 Mar 2019 8:57

Instrument :
MSVOA_D
ClientSampleId :
VD0325SBS03

Tot Ion:106 Resp: 254029
Ion Ratio Lower Upper
106 100
91 197.5 102.5 307.5

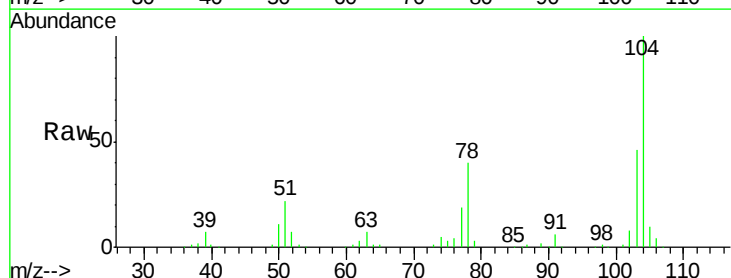


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

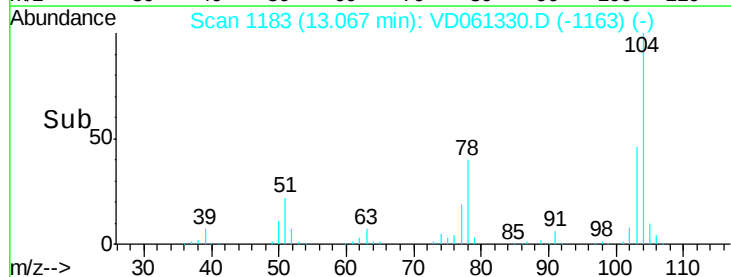
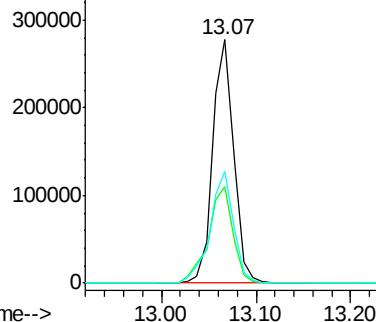


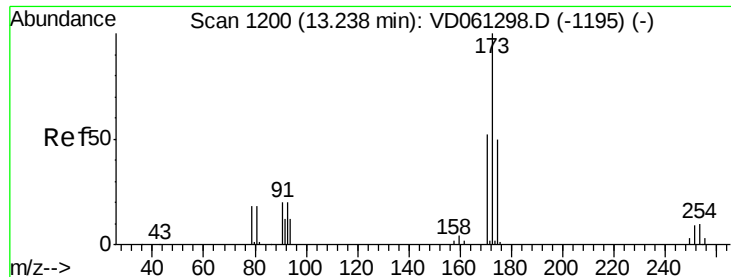
#70
Styrene
Concen: 24.799 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD061330.D
Acq: 26 Mar 2019 8:57

Tgt Ion:104 Resp: 426214
Ion Ratio Lower Upper
104 100
78 39.6 35.1 52.7
103 46.1 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

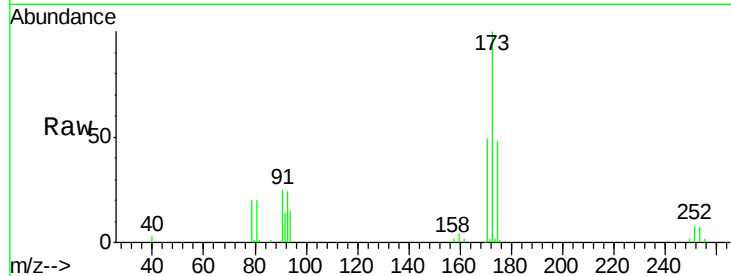




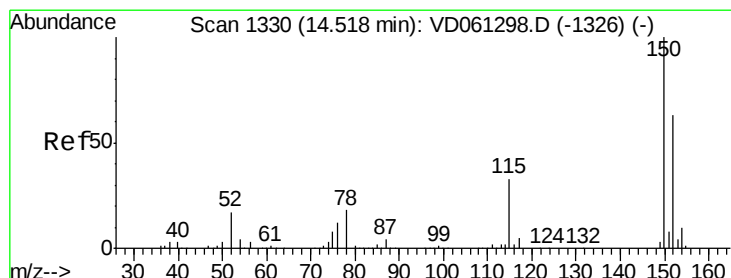
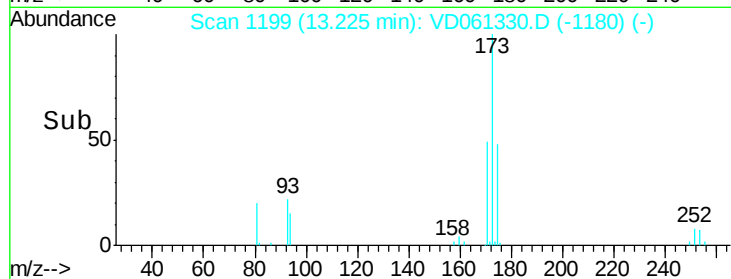
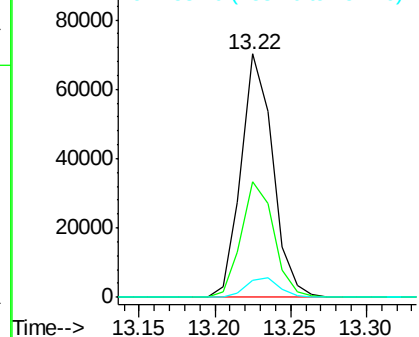
#71
Bromoform
Concen: 23.547 ug/l
RT: 13.22 min Scan# 1199
Delta R.T. -0.01 min
Lab File: VD061330.D
Acq: 26 Mar 2019 8:57

Instrument :
MSVOA_D
ClientSampleId :
VD0325SBS03

Tot Ion:173 Resp: 102111
Ion Ratio Lower Upper
173 100
175 47.5 24.9 74.7
254 7.1 7.8 11.6#

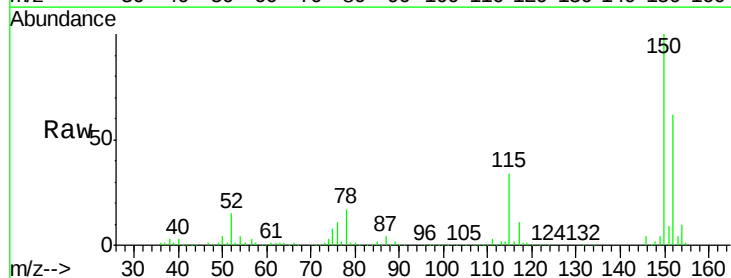


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

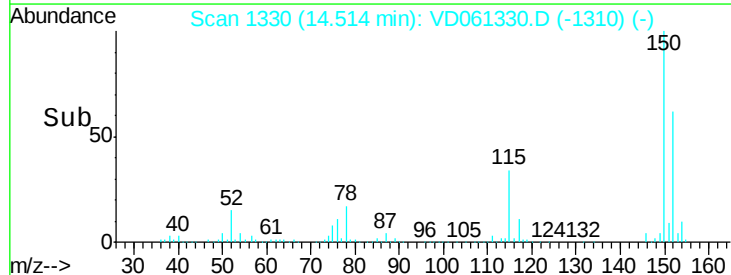
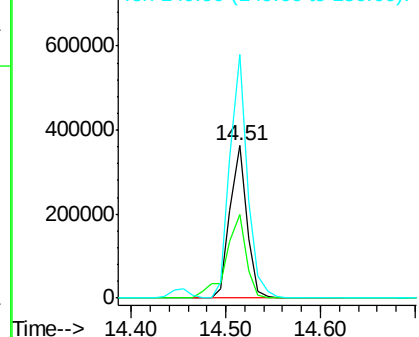


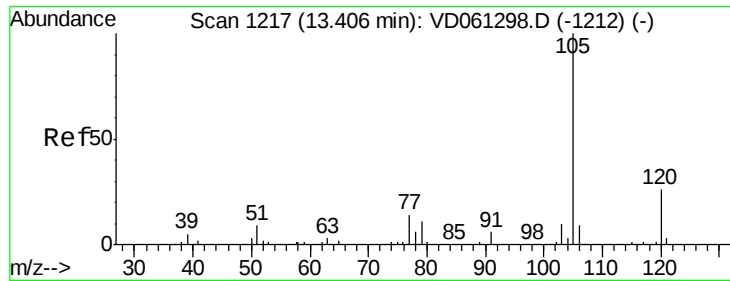
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD061330.D
Acq: 26 Mar 2019 8:57

Tgt Ion:152 Resp: 449563
Ion Ratio Lower Upper
152 100
115 55.2 29.2 87.6
150 160.1 0.0 319.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.973 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD061330.D

Acq: 26 Mar 2019 8:57

Instrument :

MSVOA_D

ClientSampleId :

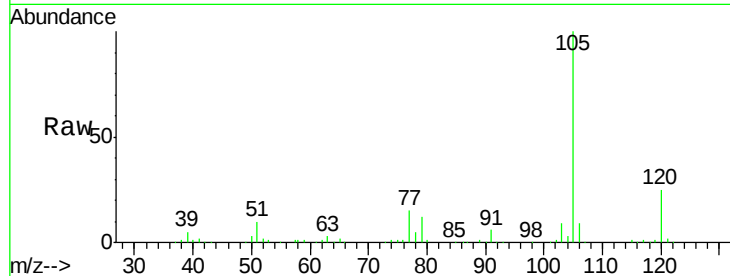
VD0325SBS03

Tot Ion:105 Resp: 642496

Ion Ratio Lower Upper

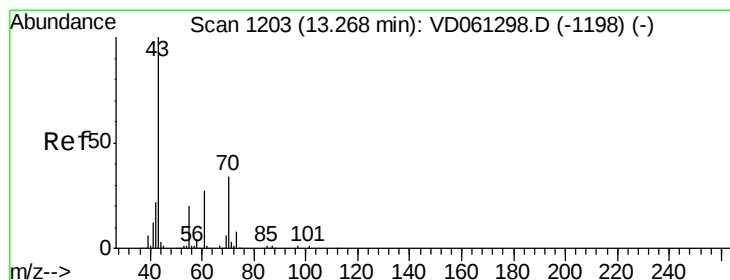
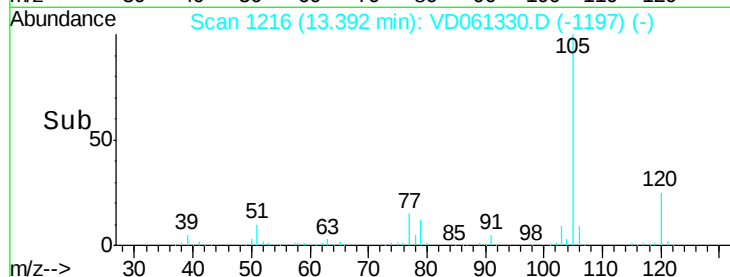
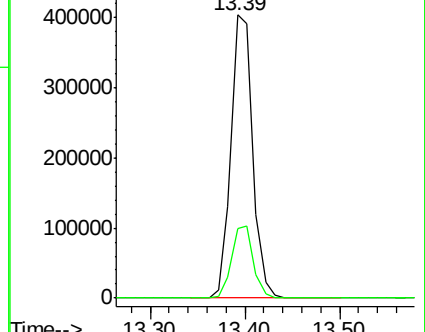
105 100

120 24.8 13.1 39.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 23.094 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD061330.D

Acq: 26 Mar 2019 8:57

Tgt Ion: 43 Resp: 176670

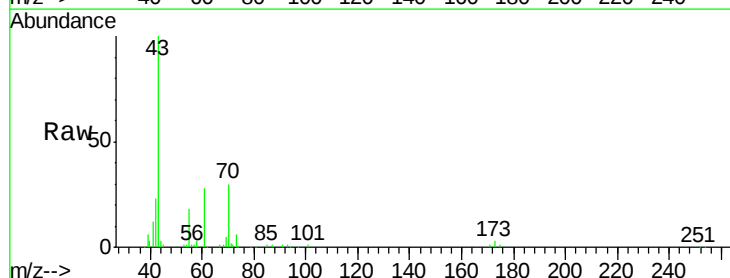
Ion Ratio Lower Upper

43 100

70 30.1 27.5 41.3

55 18.3 15.7 23.5

61 27.5 21.8 32.6

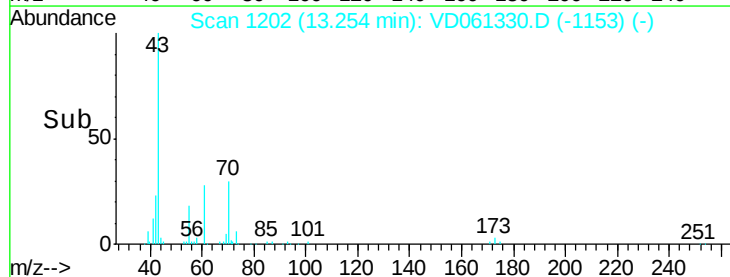
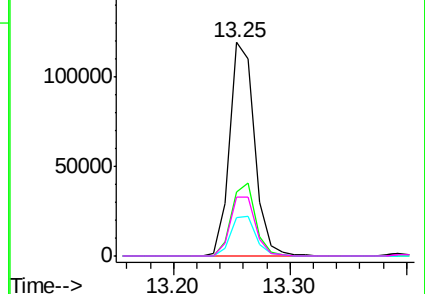


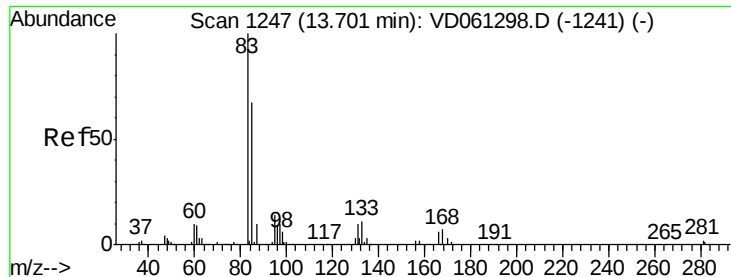
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.137 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD061330.D

Acq: 26 Mar 2019 8:57

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS03

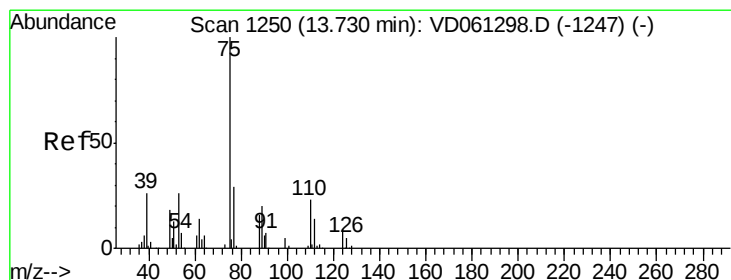
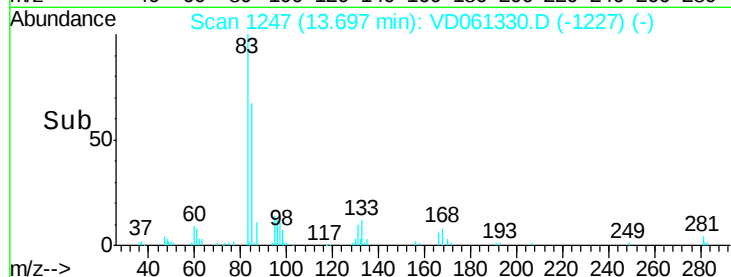
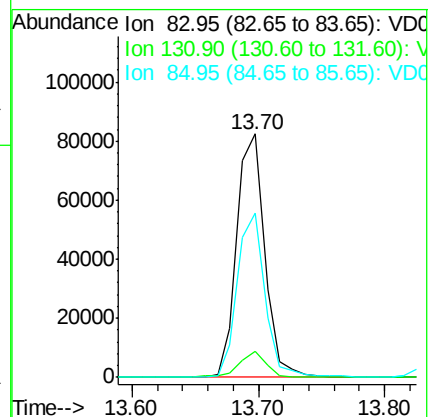
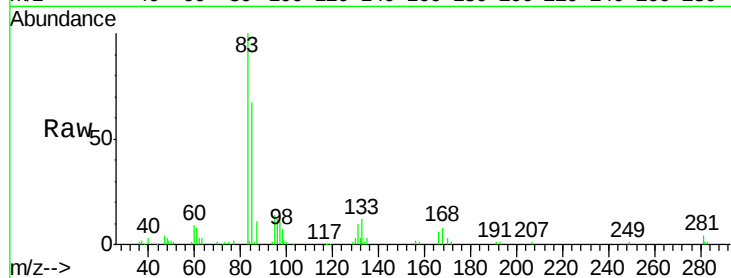
Tot Ion: 83 Resp: 125526

Ion Ratio Lower Upper

83 100

131 10.5 5.0 15.0

85 67.4 33.4 100.2



#76

1,2,3-Trichloropropane

Concen: 23.118 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD061330.D

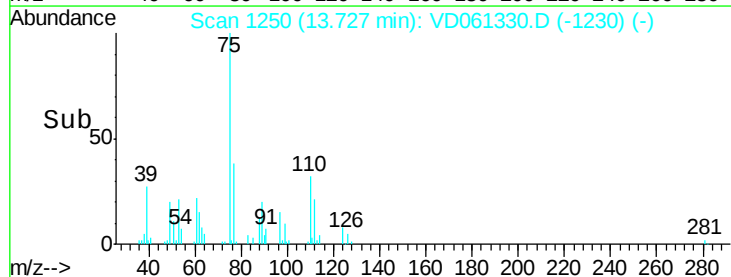
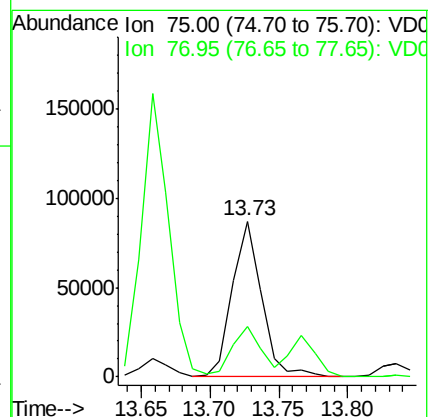
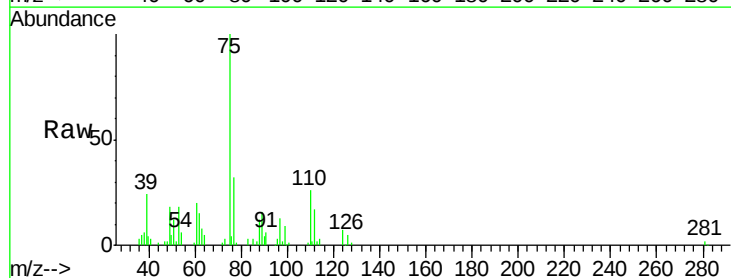
Acq: 26 Mar 2019 8:57

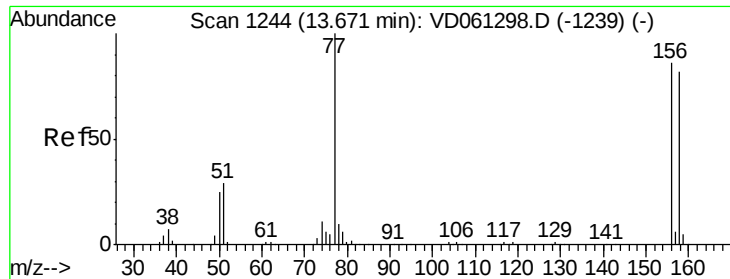
Tgt Ion: 75 Resp: 129249

Ion Ratio Lower Upper

75 100

77 32.2 15.8 47.4





#77

Bromobenzene

Concen: 21.892 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD061330.D

Acq: 26 Mar 2019 8:57

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS03

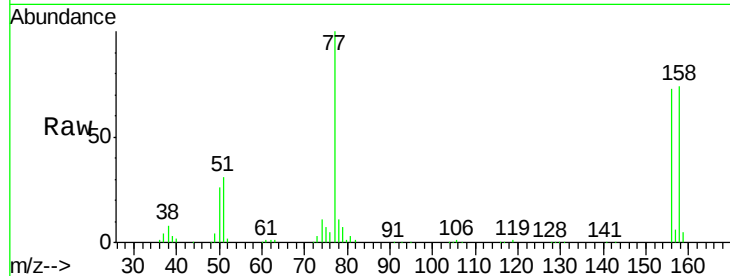
Tot Ion:156 Resp: 178807

Ion Ratio Lower Upper

156 100

77 137.4 58.4 175.1

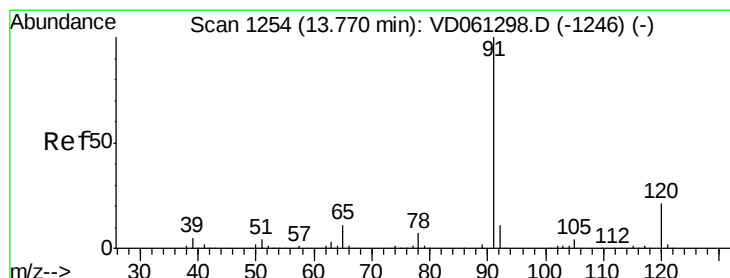
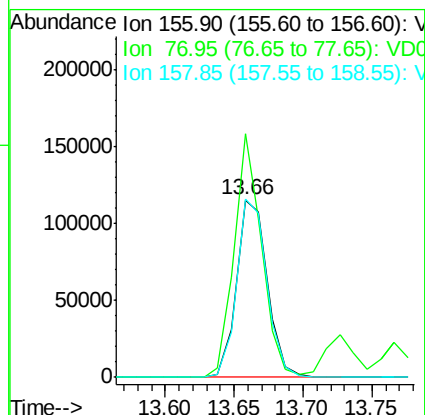
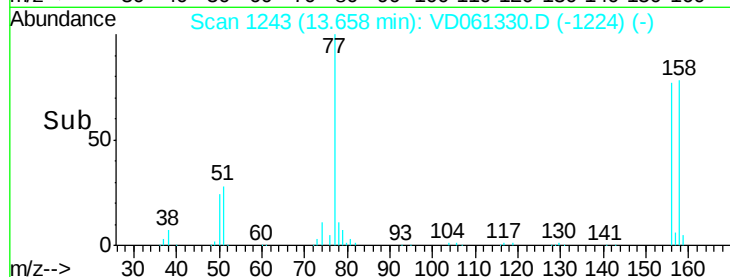
158 101.0 48.1 144.3



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: 25.213 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD061330.D

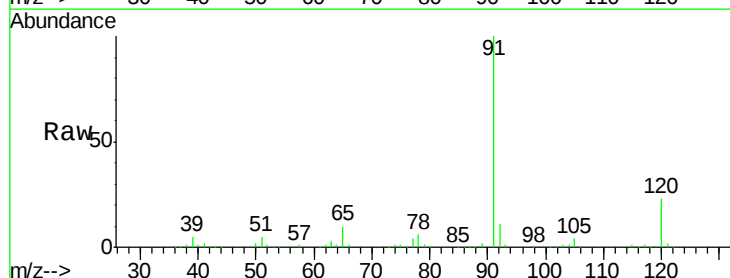
Acq: 26 Mar 2019 8:57

Tgt Ion: 91 Resp: 831748

Ion Ratio Lower Upper

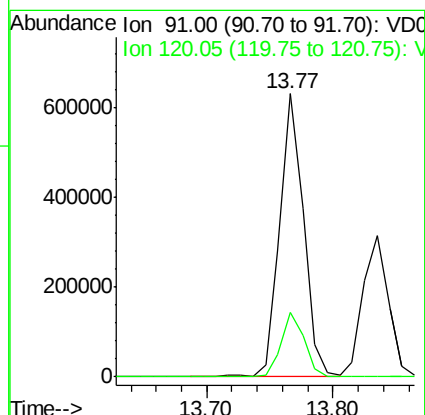
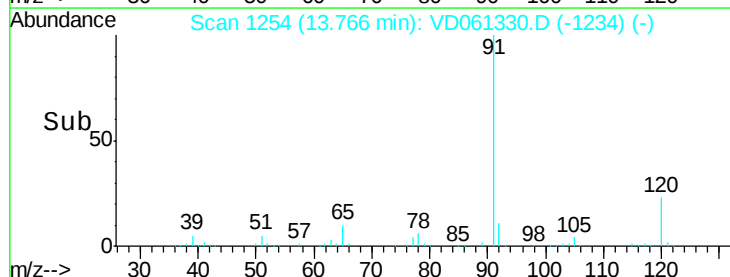
91 100

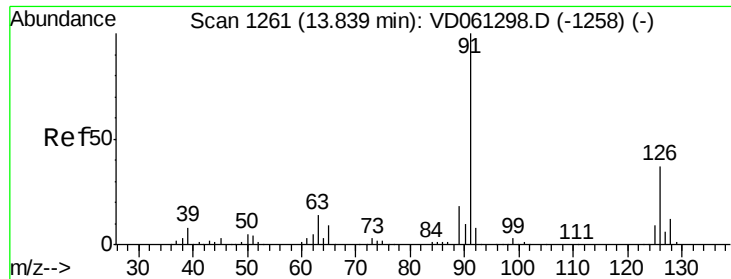
120 22.7 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

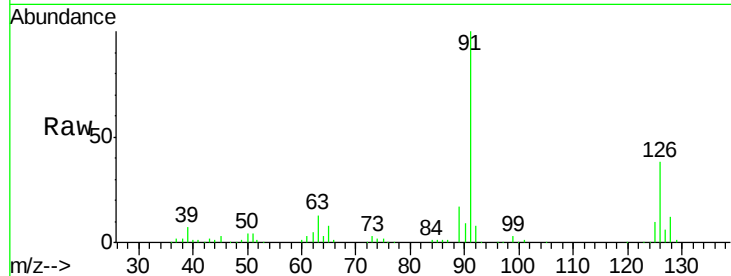




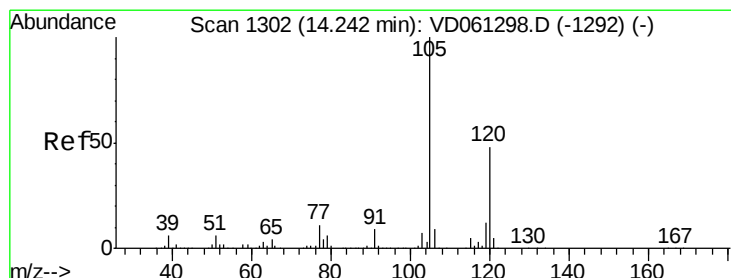
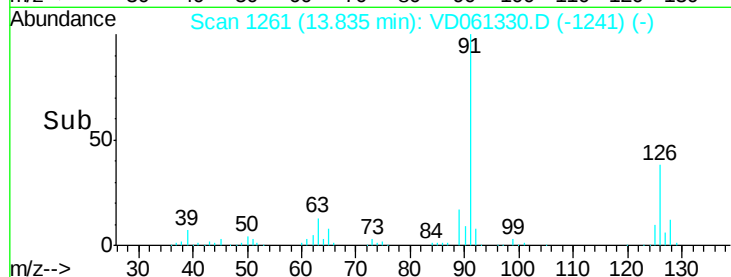
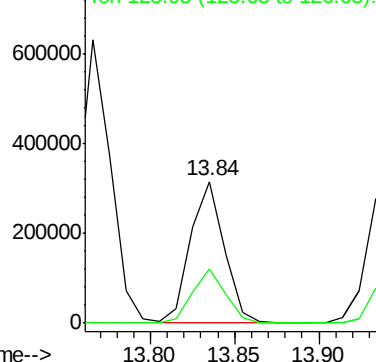
#79
2-Chlorotoluene
Concen: 22.865 ug/l
RT: 13.84 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VD061330.D
Acq: 26 Mar 2019 8:57

Instrument :
MSVOA_D
ClientSampleId :
VD0325SBS03

Tot Ion: 91 Resp: 439184
Ion Ratio Lower Upper
91 100
126 38.5 18.4 55.4

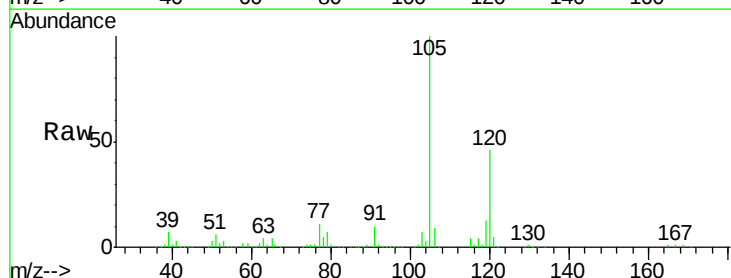


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

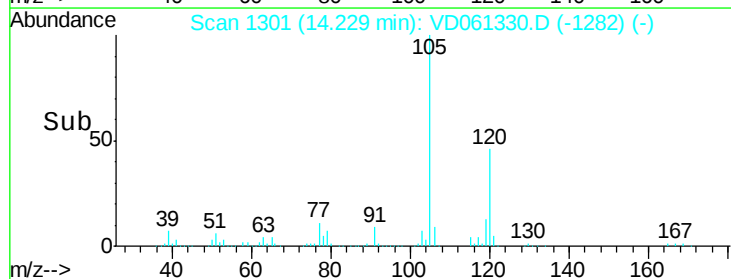
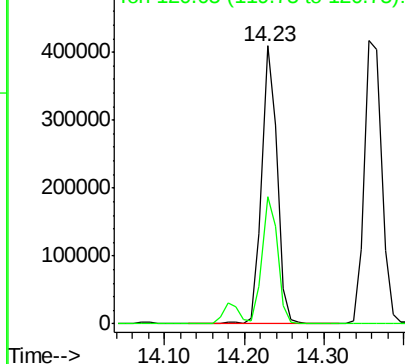


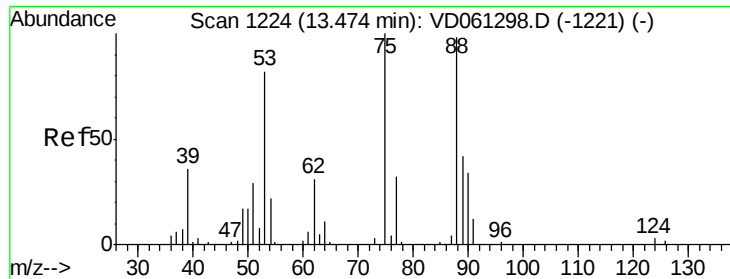
#80
1,3,5-Trimethylbenzene
Concen: 23.365 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VD061330.D
Acq: 26 Mar 2019 8:57

Tgt Ion: 105 Resp: 538973
Ion Ratio Lower Upper
105 100
120 45.6 23.8 71.4



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

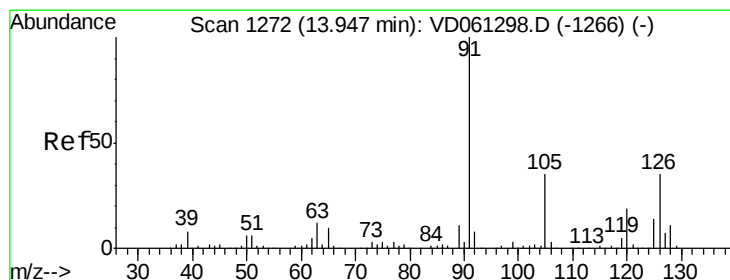
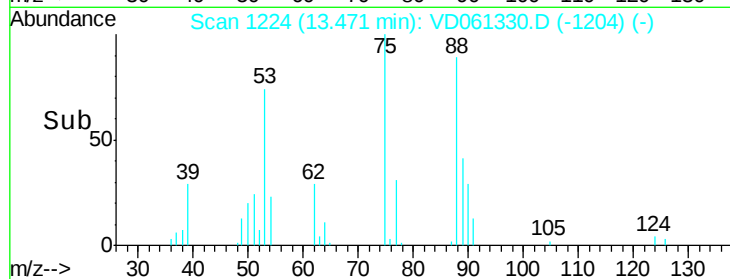
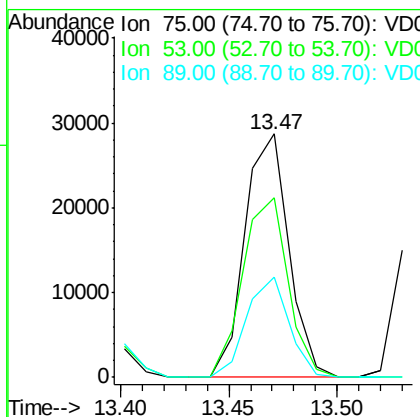
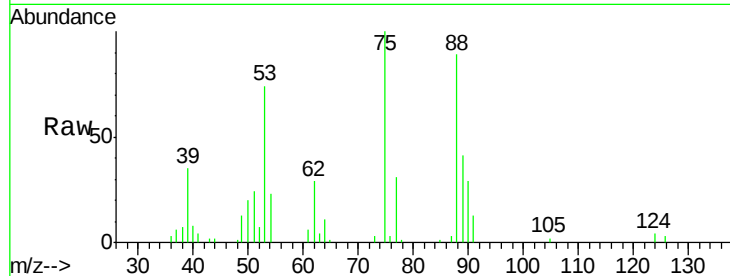




#81
trans-1,4-Dichloro-2-butene
Concen: 22.879 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD061330.D
Acq: 26 Mar 2019 8:57

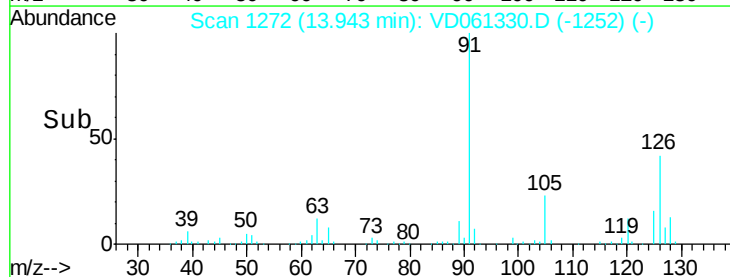
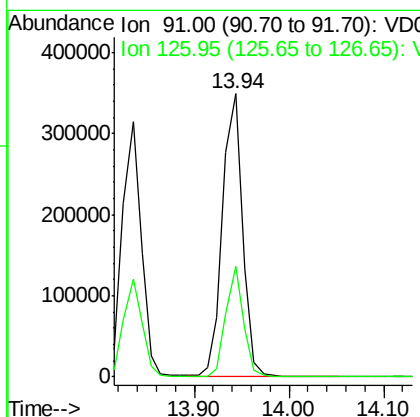
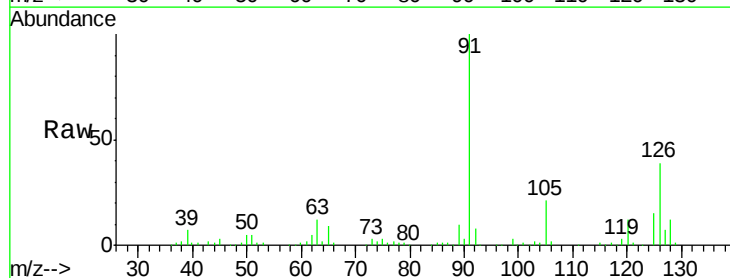
Instrument :
MSVOA_D
ClientSampleId :
VD0325SBS03

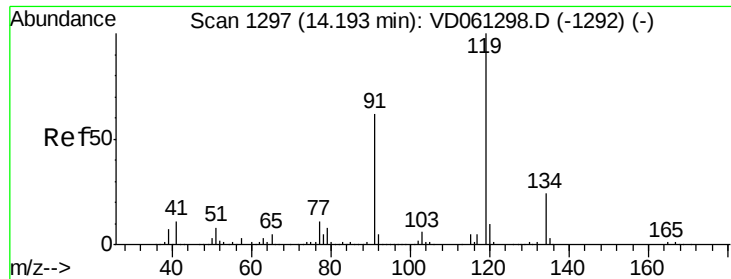
Tot Ion: 75 Resp: 40368
Ion Ratio Lower Upper
75 100
53 73.9 65.3 97.9
89 41.3 33.8 50.6



#82
4-Chlorotoluene
Concen: 24.467 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD061330.D
Acq: 26 Mar 2019 8:57

Tgt Ion: 91 Resp: 513779
Ion Ratio Lower Upper
91 100
126 38.8 17.7 53.1

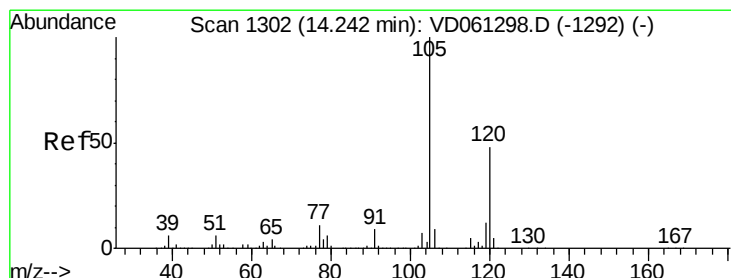
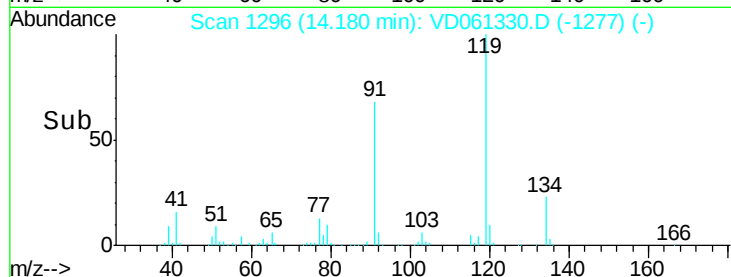
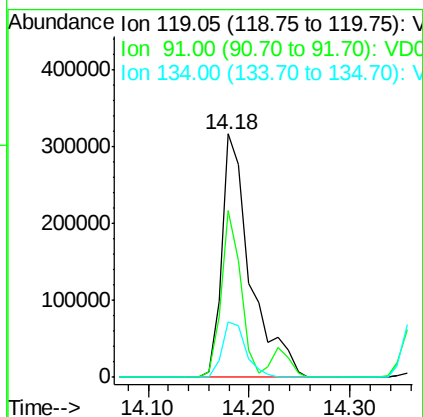
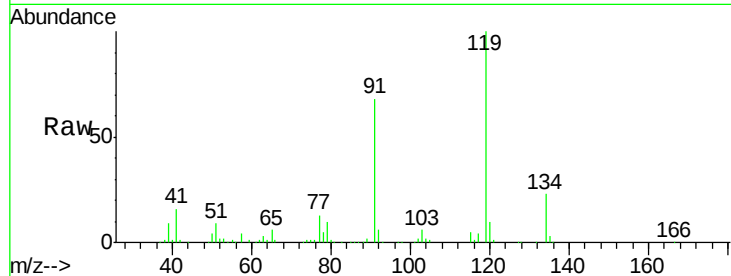




#83
tert-Butylbenzene
Concen: 23.850 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VD061330.D
Acq: 26 Mar 2019 8:57

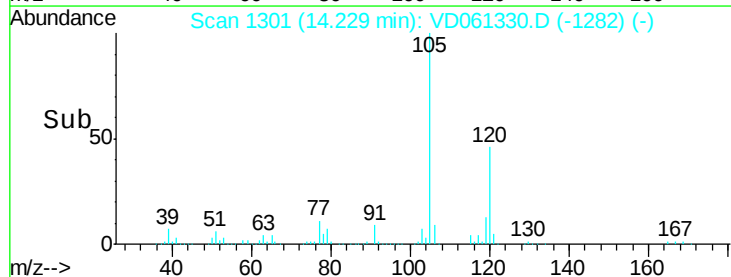
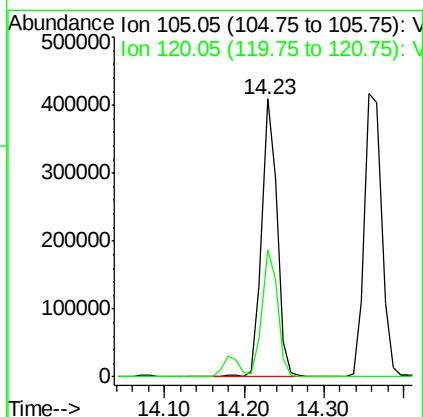
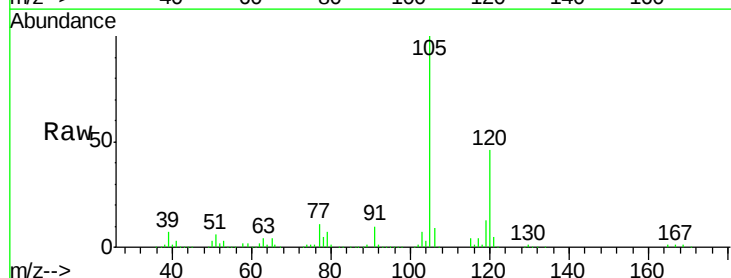
Instrument :
MSVOA_D
ClientSampleId :
VD0325SBS03

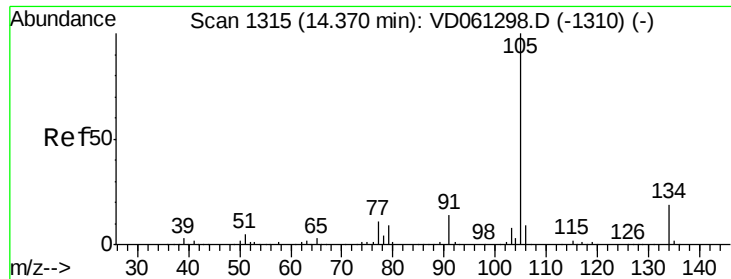
Tot Ion:119 Resp: 628166
Ion Ratio Lower Upper
119 100
91 68.5 31.1 93.5
134 22.8 11.9 35.7



#84
1,2,4-Trimethylbenzene
Concen: 23.365 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VD061330.D
Acq: 26 Mar 2019 8:57

Tgt Ion:105 Resp: 538973
Ion Ratio Lower Upper
105 100
120 45.6 23.8 71.4

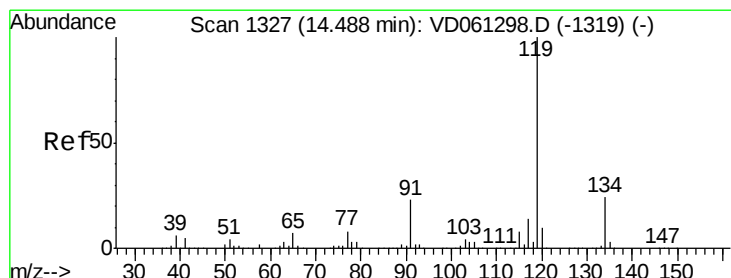
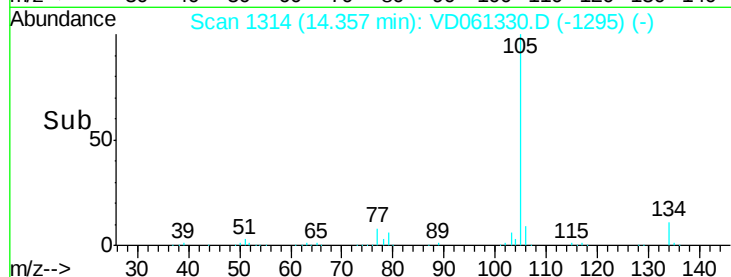
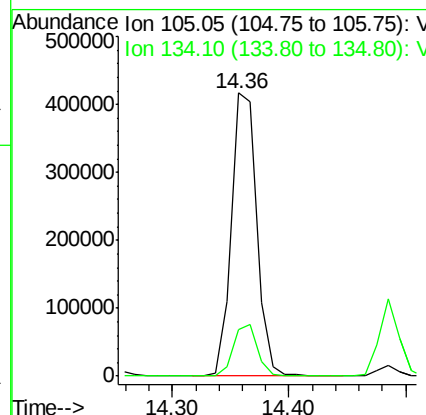
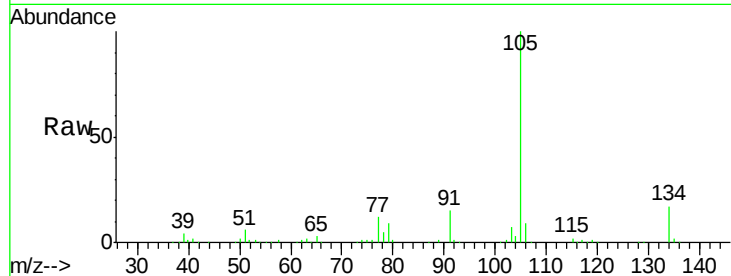




#85
 sec-Butylbenzene
 Concen: 21.372 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD061330.D
 Acq: 26 Mar 2019 8:57

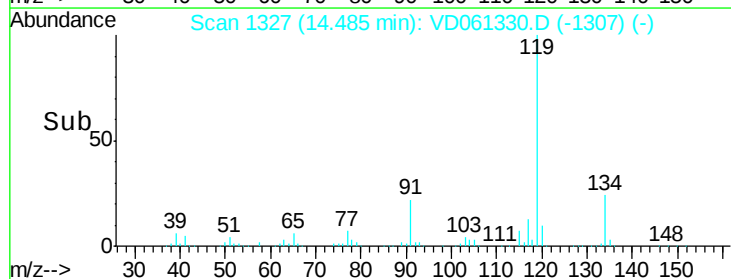
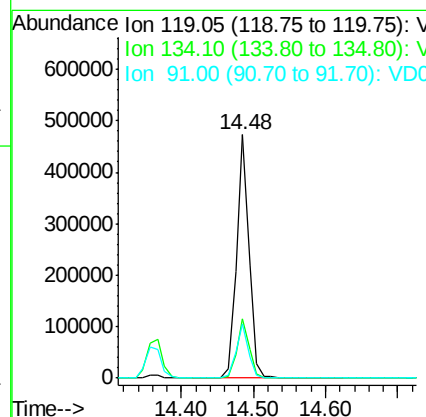
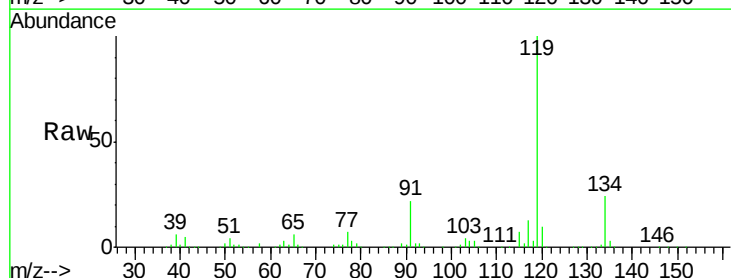
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBS03

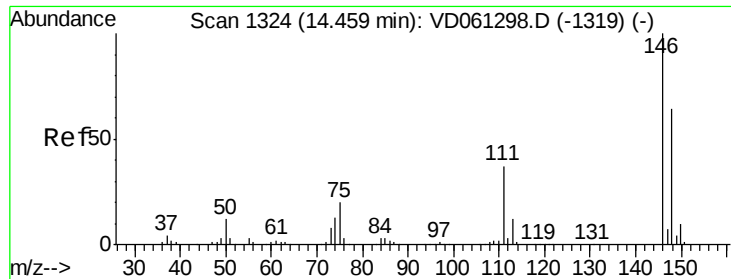
Tot Ion:105 Resp: 626865
 Ion Ratio Lower Upper
 105 100
 134 16.6 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 21.707 ug/l
 RT: 14.48 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD061330.D
 Acq: 26 Mar 2019 8:57

Tgt Ion:119 Resp: 568026
 Ion Ratio Lower Upper
 119 100
 134 24.2 12.1 36.3
 91 22.1 11.4 34.2

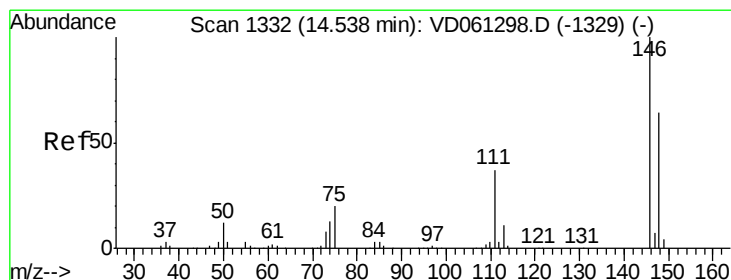
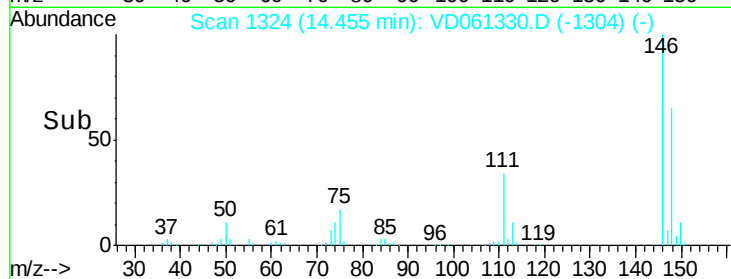
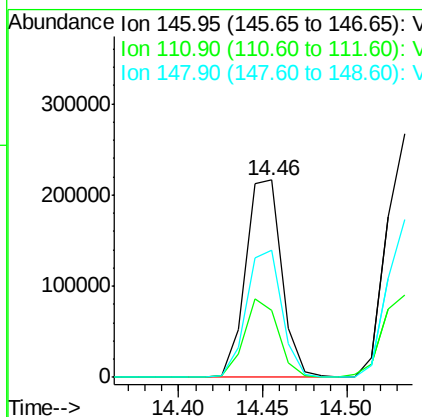
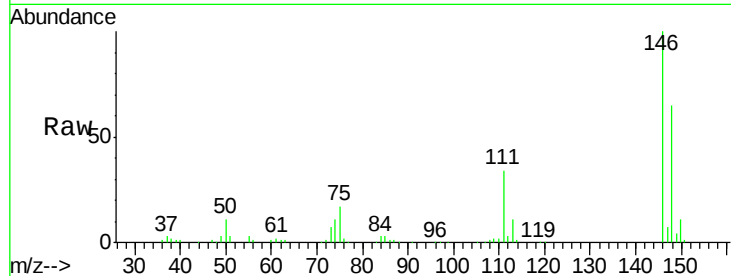




#87
 1,3-Dichlorobenzene
 Concen: 22.209 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD061330.D
 Acq: 26 Mar 2019 8:57

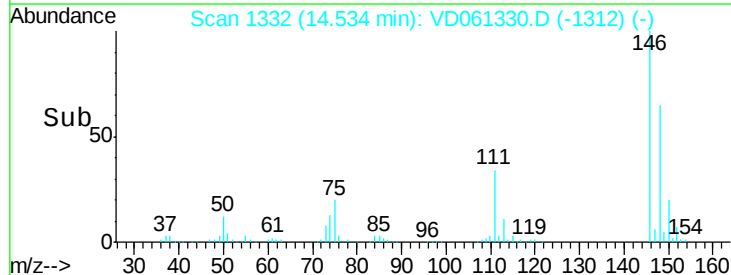
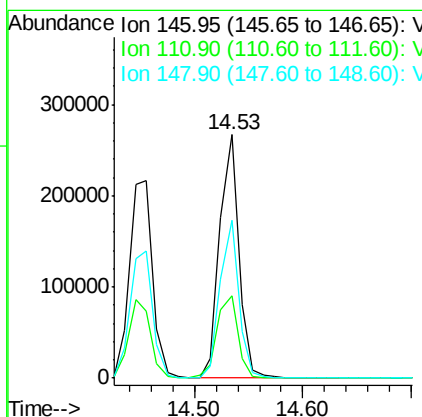
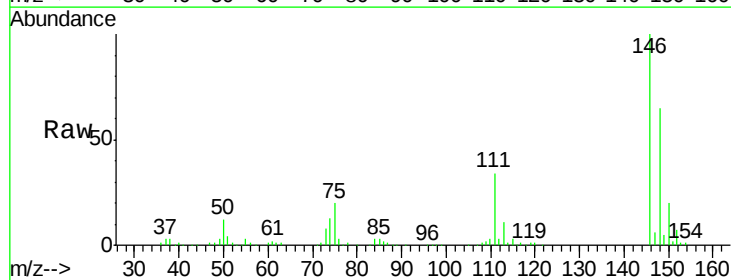
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBS03

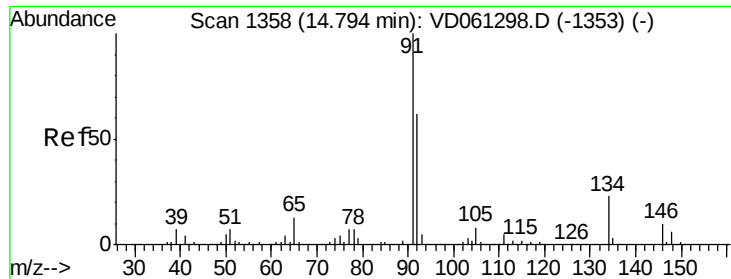
Tot Ion:146 Resp: 321526
 Ion Ratio Lower Upper
 146 100
 111 34.1 18.4 55.0
 148 64.6 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 23.712 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD061330.D
 Acq: 26 Mar 2019 8:57

Tgt Ion:146 Resp: 332535
 Ion Ratio Lower Upper
 146 100
 111 34.1 18.6 55.6
 148 64.9 31.9 95.5





#89

n-Butylbenzene

Concen: 24.363 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD061330.D

Acq: 26 Mar 2019 8:57

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS03

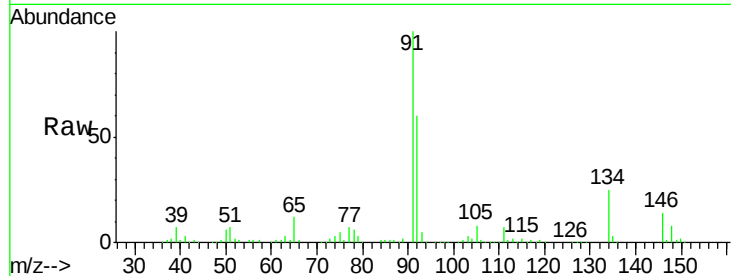
Tot Ion: 91 Resp: 566026

Ion Ratio Lower Upper

91 100

92 60.4 30.9 92.7

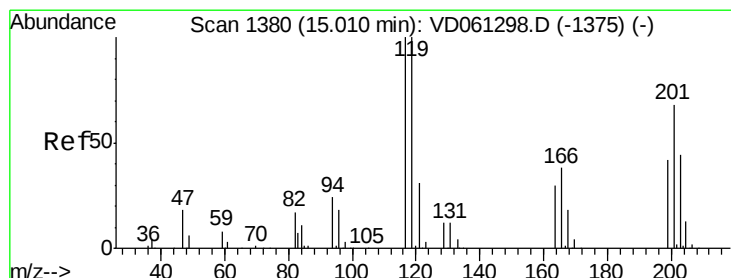
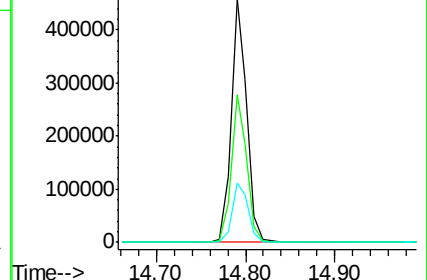
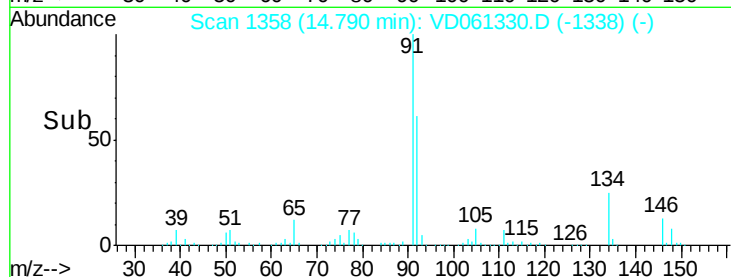
134 24.6 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 23.793 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD061330.D

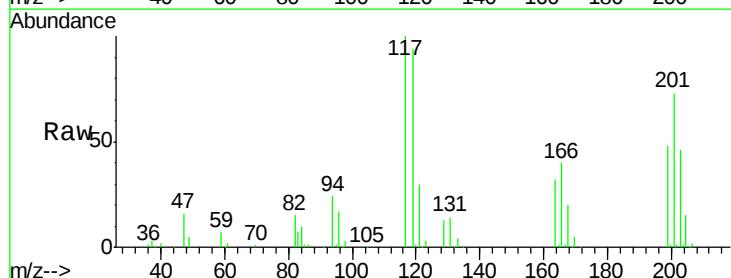
Acq: 26 Mar 2019 8:57

Tgt Ion: 117 Resp: 166938

Ion Ratio Lower Upper

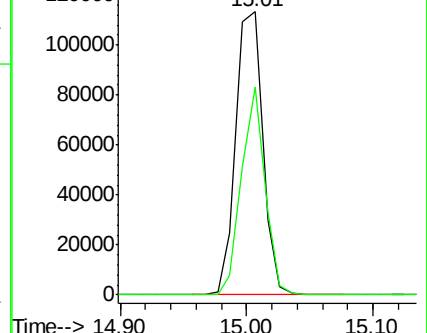
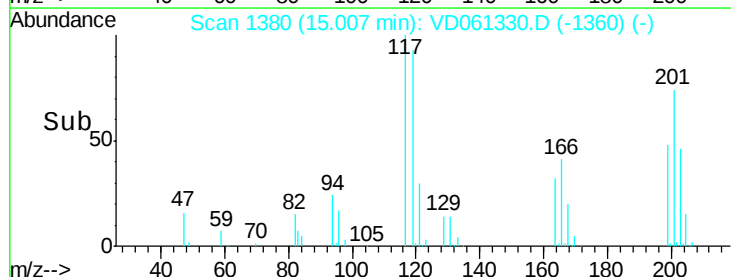
117 100

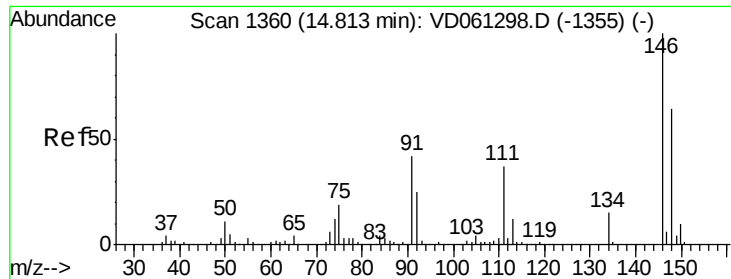
201 73.5 34.0 101.8



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

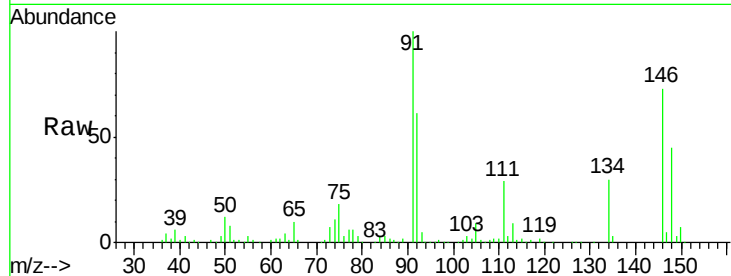




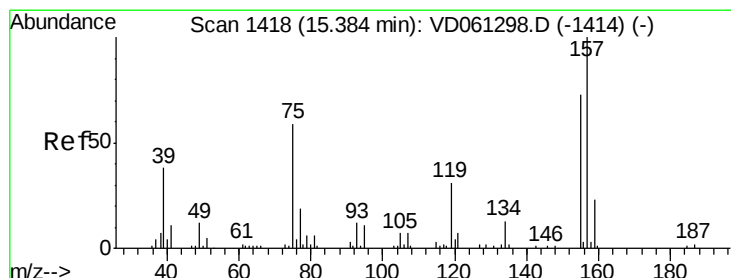
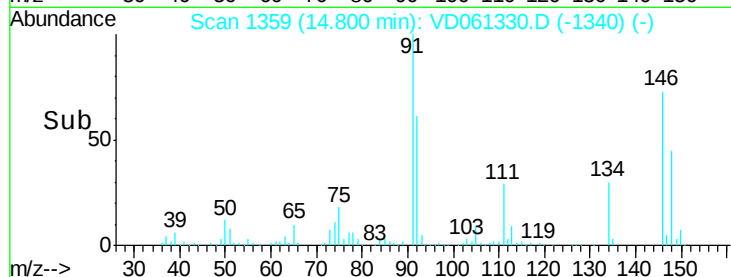
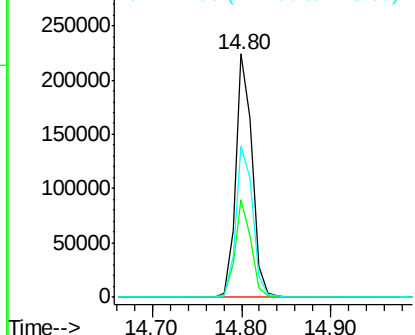
#91
 1,2-Dichlorobenzene
 Concen: 25.194 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD061330.D
 Acq: 26 Mar 2019 8:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBS03

Tot Ion:146 Resp: 291046
 Ion Ratio Lower Upper
 146 100
 111 40.3 18.3 54.8
 148 62.2 31.9 95.7

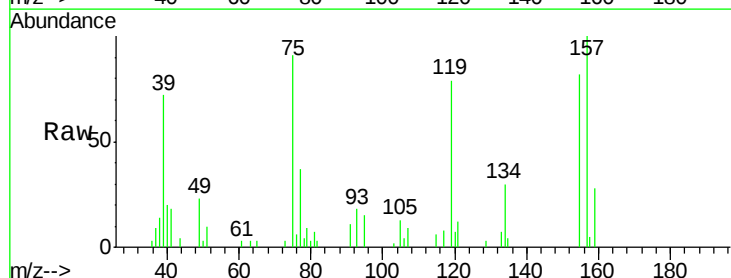


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

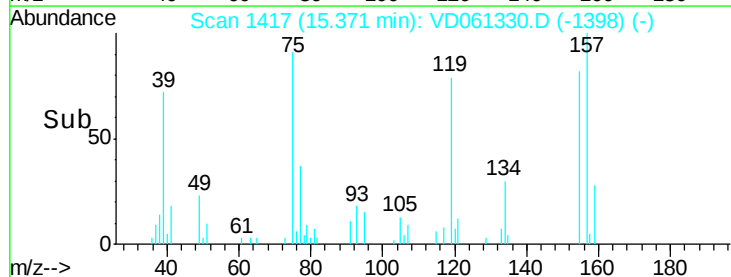
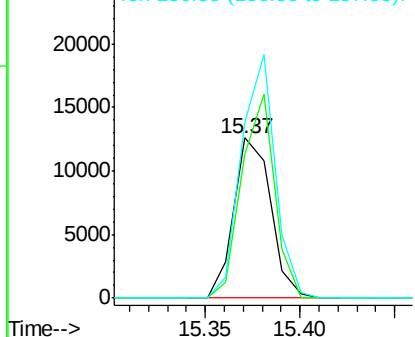


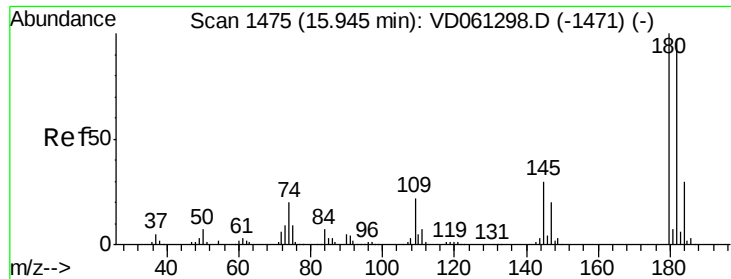
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.971 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD061330.D
 Acq: 26 Mar 2019 8:57

Tgt Ion: 75 Resp: 16985
 Ion Ratio Lower Upper
 75 100
 155 89.8 61.9 185.7
 157 109.6 84.4 253.2



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

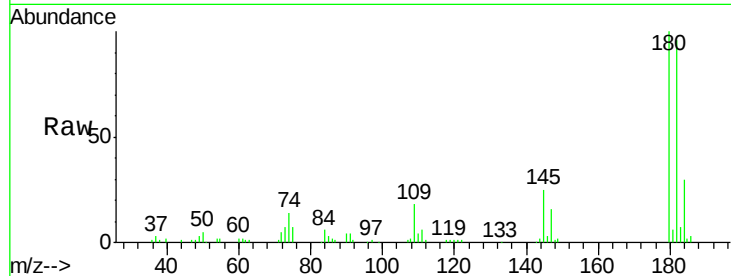




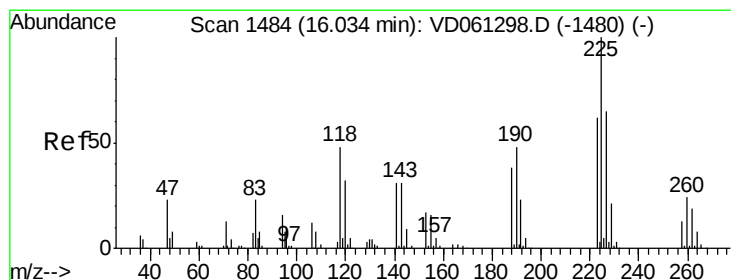
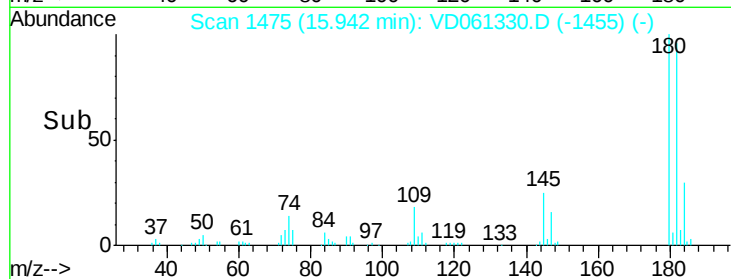
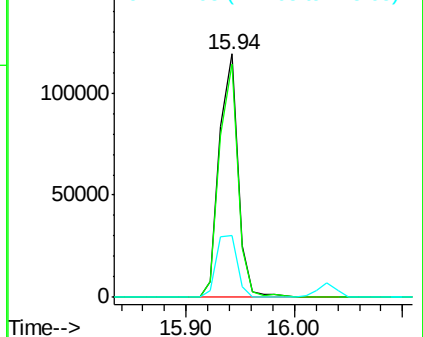
#93
 1,2,4-Trichlorobenzene
 Concen: 26.933 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD061330.D
 Acq: 26 Mar 2019 8:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBS03

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.3	144.9
145	25.4	14.8	44.4

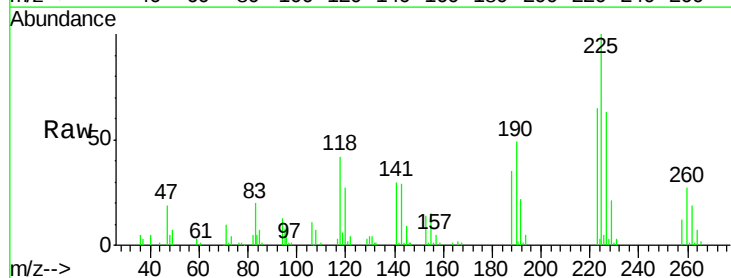


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

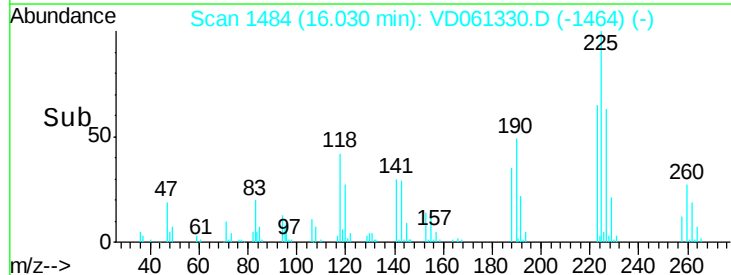
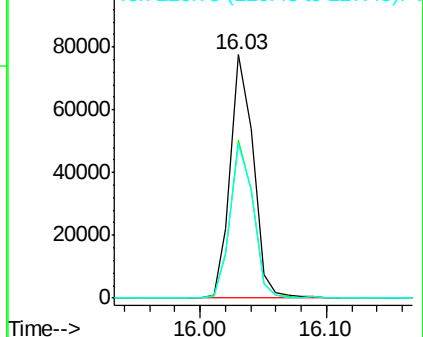


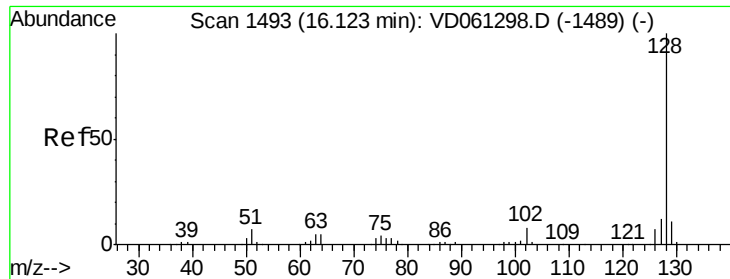
#94
 Hexachlorobutadiene
 Concen: 22.771 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD061330.D
 Acq: 26 Mar 2019 8:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.9	30.9	92.8
227	63.3	32.6	97.7



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

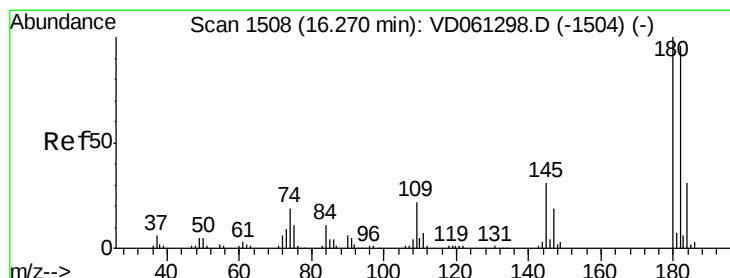
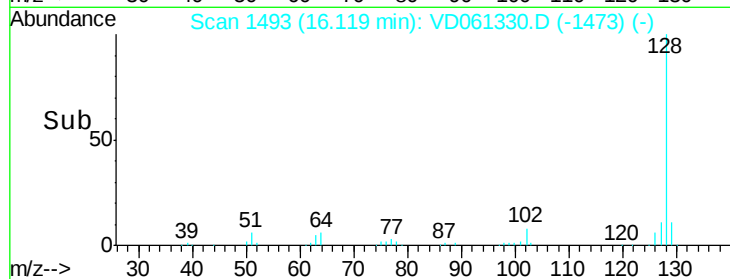
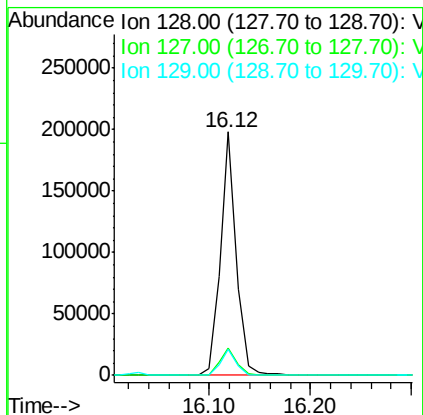
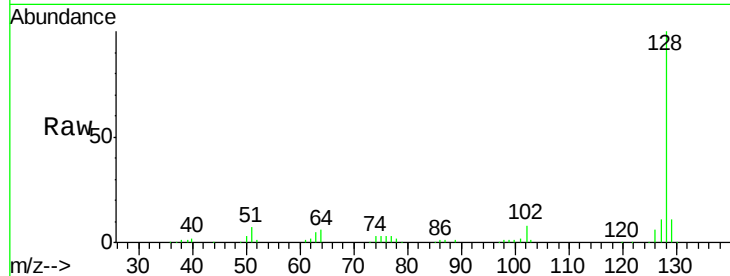




#95
Naphthalene
Concen: 28.115 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD061330.D
Acq: 26 Mar 2019 8:57

Instrument :
MSVOA_D
ClientSampleId :
VD0325SBS03

Tot Ion:128 Resp: 218864
Ion Ratio Lower Upper
128 100
127 11.4 9.8 14.6
129 10.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 29.806 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD061330.D
Acq: 26 Mar 2019 8:57

Tgt Ion:180 Resp: 74273
Ion Ratio Lower Upper
180 100
182 98.8 48.0 144.2
145 30.3 15.4 46.4

