

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041819\
 Data File : VD061891.D
 Acq On : 19 Apr 2019 2:39
 Operator : VA/AP
 Sample : VD0418SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS02

Quant Time: Apr 19 04:05:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	503770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	829916	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	739624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	321539	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	242428	57.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.84%	
35) Dibromofluoromethane	6.93	113	328272	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	
50) Toluene-d8	10.41	98	775906	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
62) 4-Bromofluorobenzene	13.56	95	312689	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	85665	17.422	ug/l	98
3) Chloromethane	1.75	50	84505	21.565	ug/l	91
4) Vinyl Chloride	1.85	62	74595	19.181	ug/l	99
5) Bromomethane	2.15	94	15919	15.769	ug/l #	94
6) Chloroethane	2.25	64	24416	18.403	ug/l	93
7) Trichlorofluoromethane	2.53	101	125533	19.903	ug/l	99
8) Diethyl Ether	2.87	74	35903	21.720	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.15	101	116989	20.802	ug/l	97
10) Methyl Iodide	3.31	142	146205	18.654	ug/l	98
11) Tert butyl alcohol	4.07	59	30003	120.501	ug/l	96
12) 1,1-Dichloroethene	3.13	96	97806	20.686	ug/l	97
13) Acrolein	3.04	56	20989	87.077	ug/l	93
14) Allyl chloride	3.62	41	138511	21.493	ug/l	96
15) Acrylonitrile	4.20	53	87184	111.537	ug/l	96
16) Acetone	3.23	43	96981	93.199	ug/l	94
17) Carbon Disulfide	3.38	76	273924	17.931	ug/l	96
18) Methyl Acetate	3.64	43	50562	24.243	ug/l	97
19) Methyl tert-butyl Ether	4.24	73	190013	21.535	ug/l	93
20) Methylene Chloride	3.82	84	139464	24.636	ug/l	94
21) trans-1,2-Dichloroethene	4.22	96	107193	20.630	ug/l	98
22) Diisopropyl ether	5.13	45	300903	21.843	ug/l	96
23) Vinyl Acetate	5.06	43	809380	109.910	ug/l	98
24) 1,1-Dichloroethane	4.99	63	183453	21.965	ug/l	98
25) 2-Butanone	6.07	43	133118	112.367	ug/l	97
26) 2,2-Dichloropropane	6.03	77	132295	18.325	ug/l	97
27) cis-1,2-Dichloroethene	6.04	96	118017	20.952	ug/l	94
28) Bromochloromethane	6.45	49	67603	21.309	ug/l	92
29) Tetrahydrofuran	6.47	42	64486	111.747	ug/l	98
30) Chloroform	6.67	83	202951	21.786	ug/l	96
31) Cyclohexane	6.97	56	125136	19.571	ug/l	95
32) 1,1,1-Trichloroethane	6.88	97	171997	20.828	ug/l	95
36) 1,1-Dichloropropene	7.16	75	141822	20.912	ug/l	97
37) Ethyl Acetate	6.19	43	64590	22.253	ug/l #	96
38) Carbon Tetrachloride	7.13	117	170717	19.936	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	125550	17.828	ug/l	97
40) Benzene	7.47	78	355338	21.825	ug/l	97
41) Methacrylonitrile	6.46	41	72202	21.046	ug/l #	91
42) 1,2-Dichloroethane	7.59	62	123436	21.768	ug/l	98
43) Isopropyl Acetate	9.24	43	92659	22.685	ug/l	92
44) Trichloroethene	8.54	130	132030	21.065	ug/l	98
45) 1,2-Dichloropropane	8.95	63	90574	21.357	ug/l	100
46) Dibromomethane	9.08	93	64137	21.225	ug/l	93
47) Bromodichloromethane	9.38	83	147697	21.186	ug/l	100
48) Methyl methacrylate	9.13	41	56177	23.398	ug/l	90
49) 1,4-Dioxane	9.09	88	12465	474.989	ug/l	99
51) 4-Methyl-2-Pentanone	10.31	43	289745	115.998	ug/l	99
52) Toluene	10.52	92	216704	20.770	ug/l	96
53) t-1,3-Dichloropropene	10.93	75	124585	19.833	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	154445	20.945	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	74695	21.246	ug/l	97
56) Ethyl methacrylate	11.04	69	82616	21.410	ug/l	99
57) 1,3-Dichloropropane	11.42	76	112164	21.221	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.86	63	193241	105.288	ug/l	97
59) 2-Hexanone	11.54	43	207085	111.623	ug/l	98
60) Dibromochloromethane	11.69	129	130132	22.621	ug/l	99
61) 1,2-Dibromoethane	11.81	107	94166	21.783	ug/l	98
64) Tetrachloroethene	11.26	164	108436	19.549	ug/l	97
65) Chlorobenzene	12.40	112	286504	20.800	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	118630	20.551	ug/l	98
67) Ethyl Benzene	12.53	91	453151	20.543	ug/l	99
68) m/p-Xylenes	12.67	106	332867	40.173	ug/l	97
69) o-Xylene	13.05	106	144088	18.501	ug/l	93
70) Styrene	13.08	104	275056	20.523	ug/l	96
71) Bromoform	13.24	173	70118	20.464	ug/l	92
73) Isopropylbenzene	13.41	105	450573	21.607	ug/l	98
74) N-amyl acetate	13.27	43	114765	20.467	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	90725	22.010	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	92129	21.818	ug/l	99
77) Bromobenzene	13.67	156	122903	20.748	ug/l	89
78) n-propylbenzene	13.78	91	520535	21.606	ug/l	97
79) 2-Chlorotoluene	13.85	91	305234	21.688	ug/l	94
80) 1,3,5-Trimethylbenzene	13.94	105	370721	22.406	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	22200	18.465	ug/l	93
82) 4-Chlorotoluene	13.95	91	347640	21.580	ug/l	90
83) tert-Butylbenzene	14.19	119	402025	20.693	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	351626	21.142	ug/l	100
85) sec-Butylbenzene	14.37	105	378069	18.824	ug/l	99
86) p-Isopropyltoluene	14.50	119	372302	19.812	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	228707	22.116	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	205378	20.091	ug/l	99
89) n-Butylbenzene	14.81	91	345513	20.772	ug/l	95
90) Hexachloroethane	15.01	117	102895	20.089	ug/l	98
91) 1,2-Dichlorobenzene	14.82	146	188538	21.766	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	13281	26.167	ug/l	90

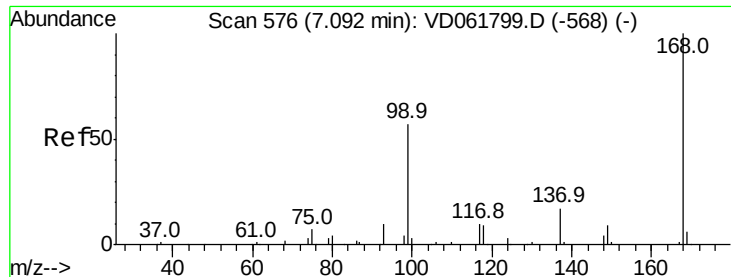
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041819\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 18 13:49:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	100995	21.229	ug/l	96
94) Hexachlorobutadiene	16.05	225	75546	21.912	ug/l	99
95) Naphthalene	16.12	128	175554	24.075	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	68330	25.203	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD061891.D

Acq: 19 Apr 2019 2:39

Instrument :

MSVOA_D

ClientSampleId :

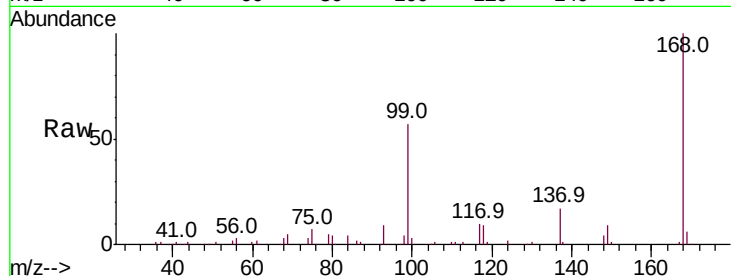
VD0418SBS02

Tot Ion:168 Resp: 503770

Ion Ratio Lower Upper

168 100

99 57.4 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

150000

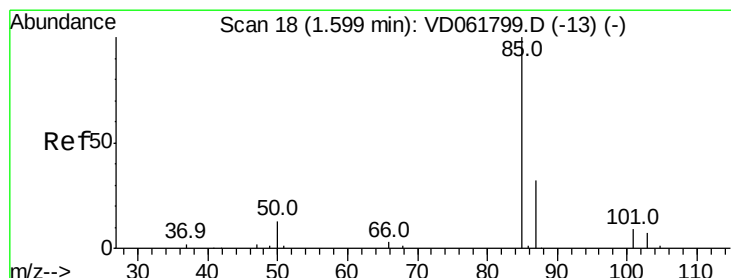
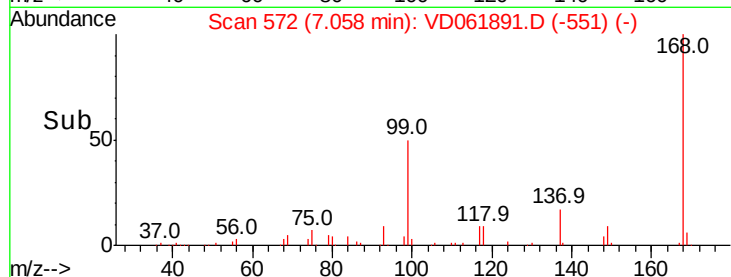
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#2

Dichlorodifluoromethane

Concen: 17.422 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD061891.D

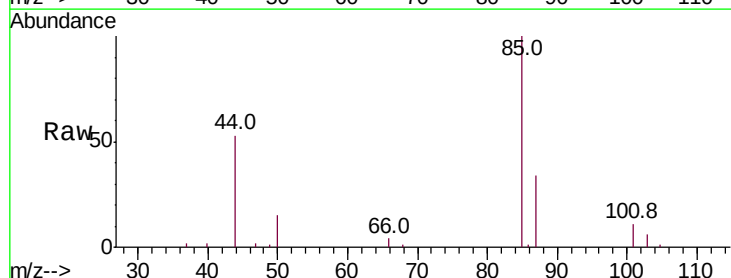
Acq: 19 Apr 2019 2:39

Tgt Ion: 85 Resp: 85665

Ion Ratio Lower Upper

85 100

87 33.7 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

40000

30000

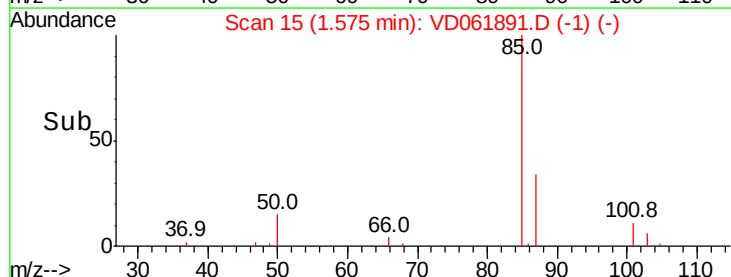
20000

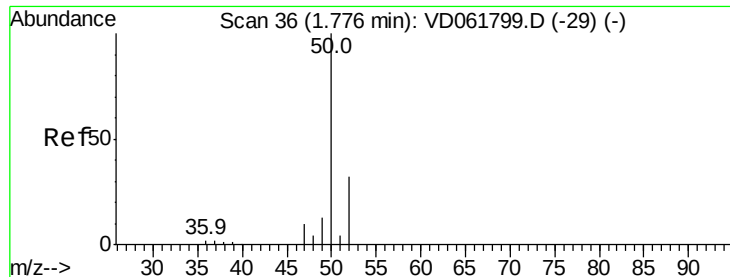
10000

0

Time-->

1.50 1.60 1.70 1.80





#3

Chloromethane

Concen: 21.565 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.00 min

Lab File: VD061891.D

Acq: 19 Apr 2019 2:39

Instrument :

MSVOA_D

ClientSampleId :

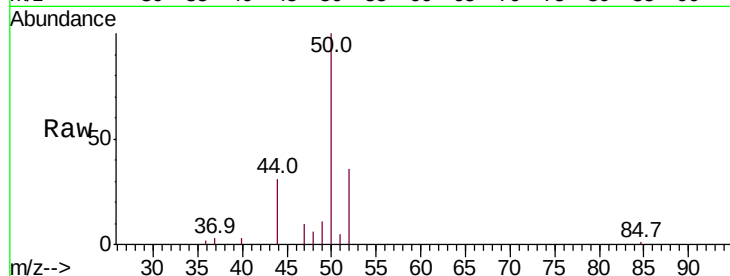
VD0418SBS02

Tot Ion: 50 Resp: 84505

Ion Ratio Lower Upper

50 100

52 36.2 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.75

25000

20000

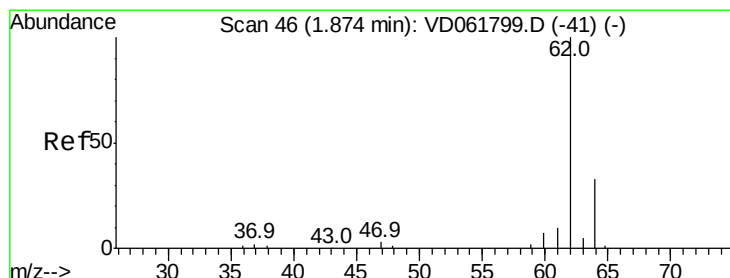
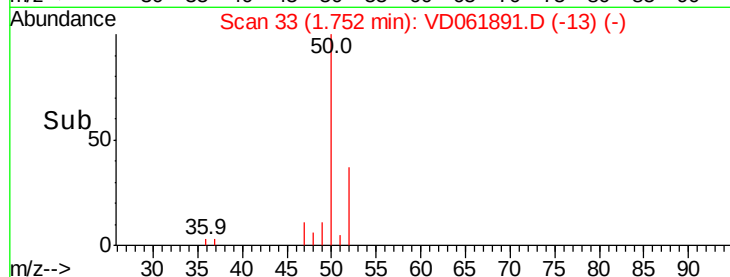
15000

10000

5000

0

Time--> 1.60 1.70 1.80 1.90



#4

Vinyl Chloride

Concen: 19.181 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD061891.D

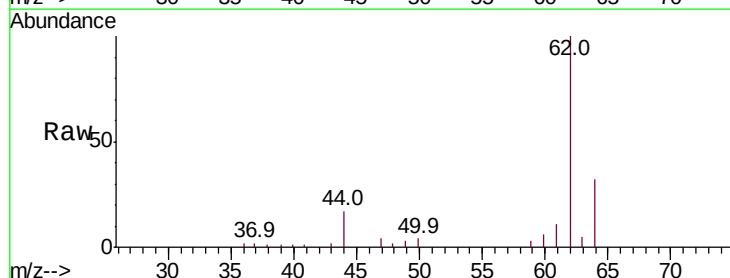
Acq: 19 Apr 2019 2:39

Tgt Ion: 62 Resp: 74595

Ion Ratio Lower Upper

62 100

64 32.4 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.85

40000

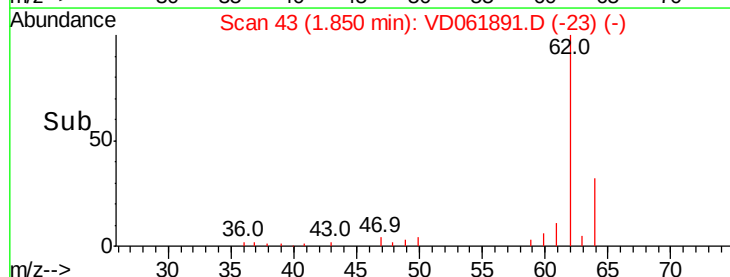
30000

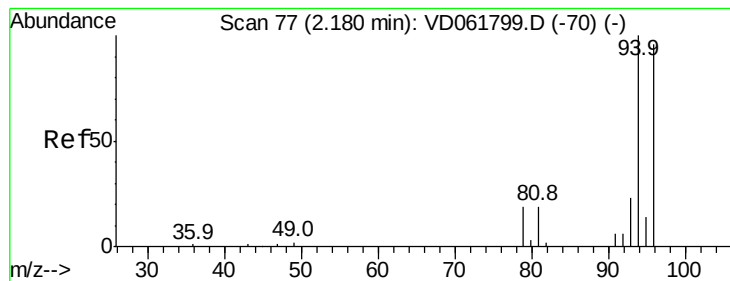
20000

10000

0

Time--> 1.80 1.90 2.00





#5

Bromomethane

Concen: 15.769 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD061891.D

Acq: 19 Apr 2019 2:39

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS02

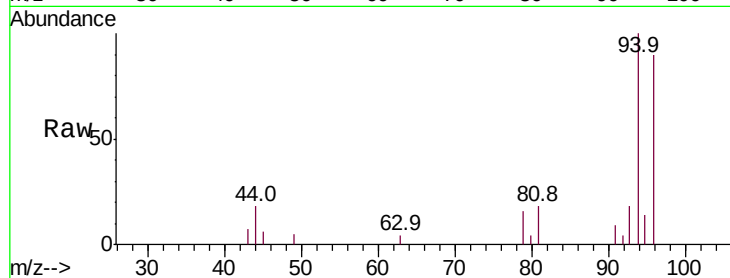
Tot Ion: 94 Resp: 15919

Ion Ratio Lower Upper

94 100

96 90.5 76.6 115.0

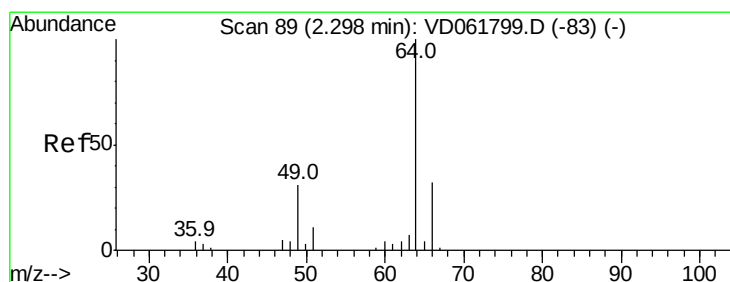
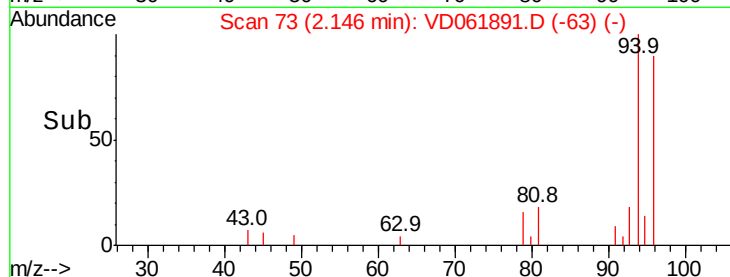
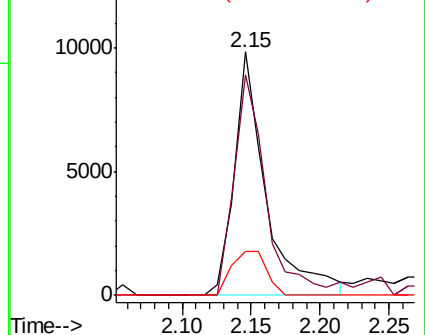
93 18.1 18.5 27.7#



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: 18.403 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD061891.D

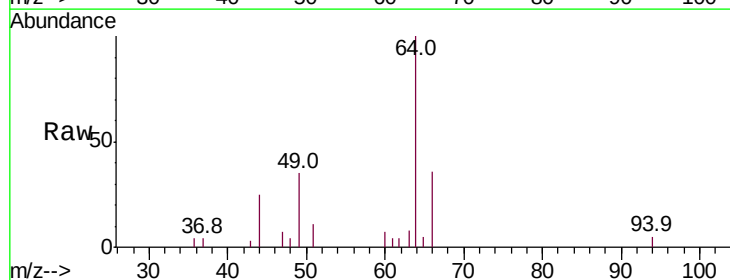
Acq: 19 Apr 2019 2:39

Tgt Ion: 64 Resp: 24416

Ion Ratio Lower Upper

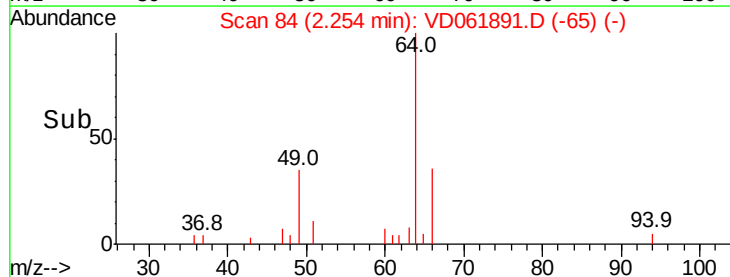
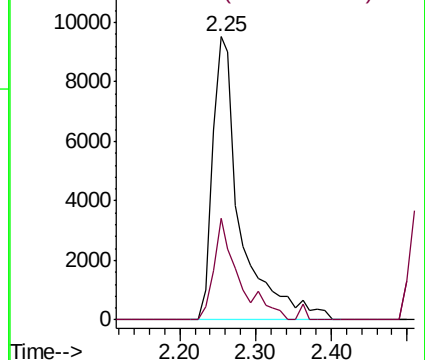
64 100

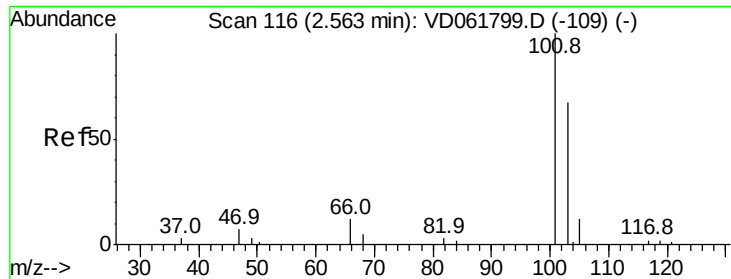
66 36.0 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



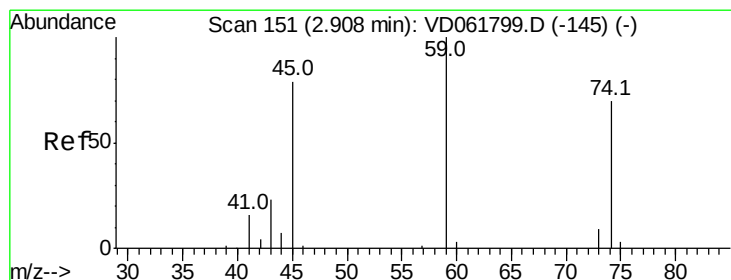
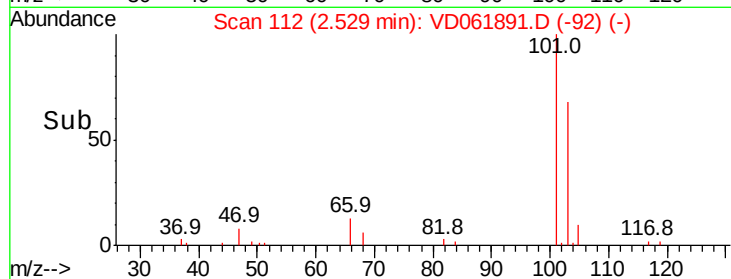
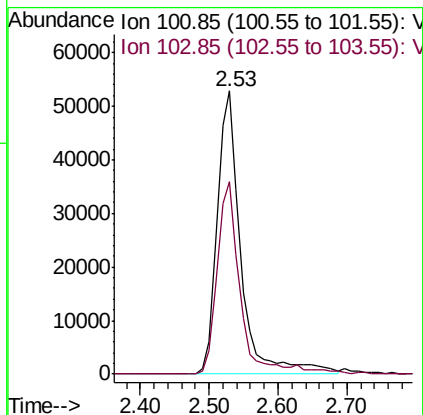
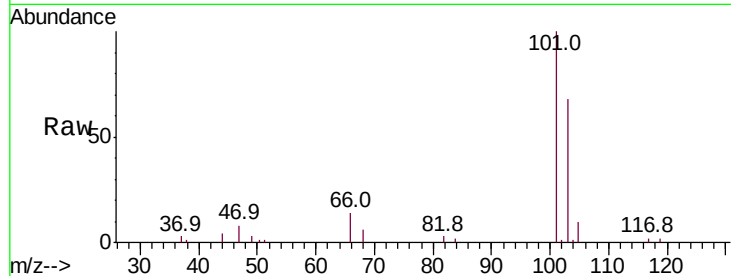


#7

Trichlorofluoromethane
 Concen: 19.903 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.00 min
 Lab File: VD061891.D
 Acq: 19 Apr 2019 2:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS02

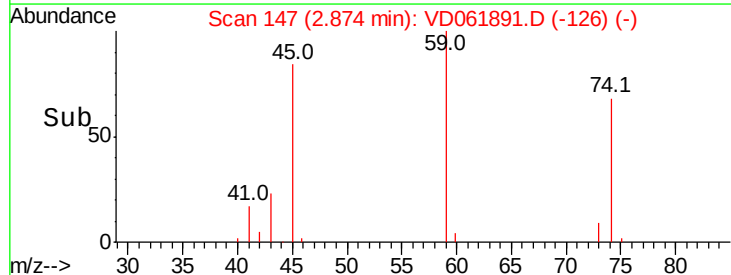
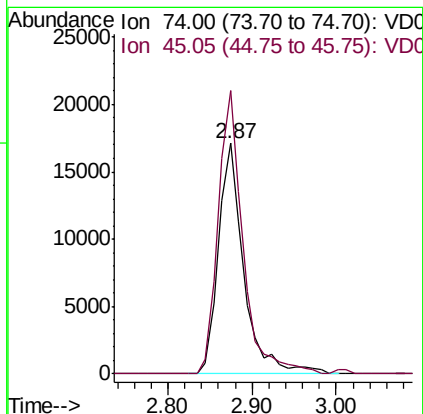
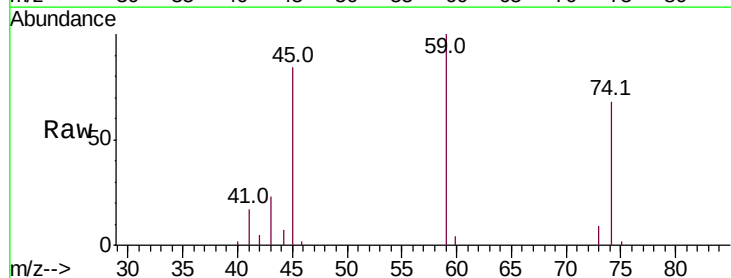
Tot Ion:101 Resp: 125533
 Ion Ratio Lower Upper
 101 100
 103 67.9 53.6 80.4

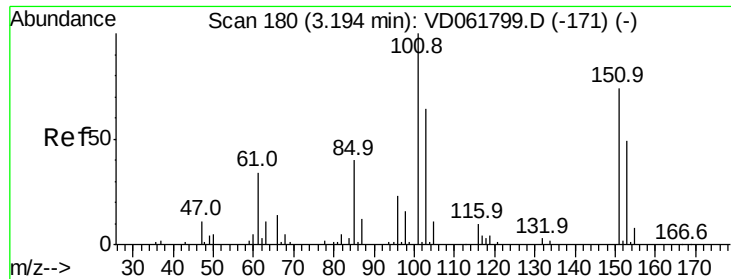


#8

Diethyl Ether
 Concen: 21.720 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.01 min
 Lab File: VD061891.D
 Acq: 19 Apr 2019 2:39

Tgt Ion: 74 Resp: 35903
 Ion Ratio Lower Upper
 74 100
 45 122.8 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.802 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD061891.D

Acq: 19 Apr 2019 2:39

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS02

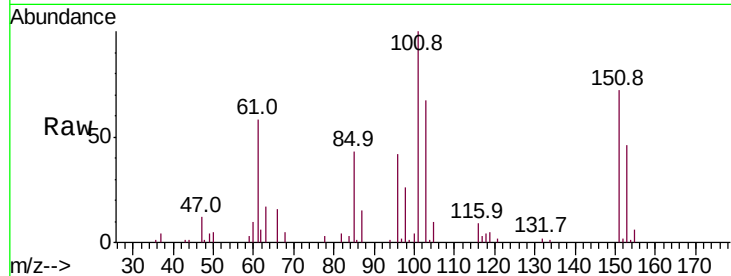
Tot Ion:101 Resp: 116989

Ion Ratio Lower Upper

101 100

85 43.2 32.4 48.6

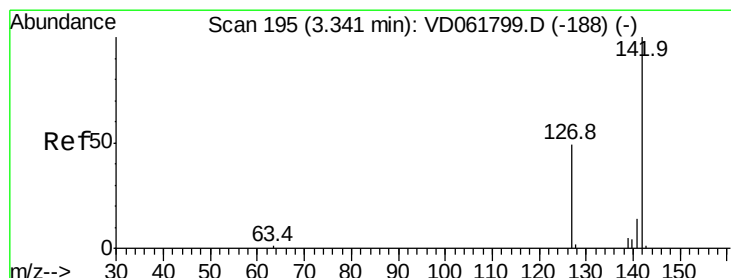
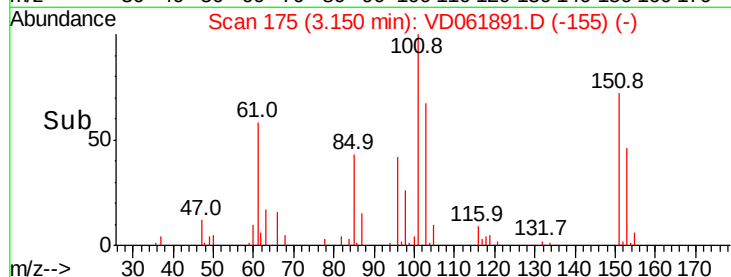
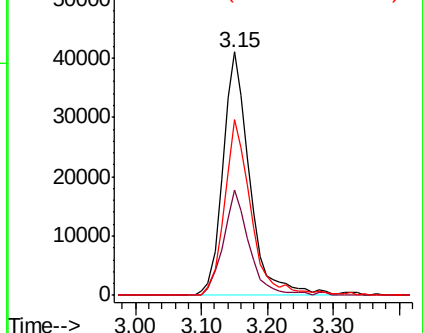
151 72.3 59.4 89.0



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: 18.654 ug/l

RT: 3.31 min Scan# 191

Delta R.T. -0.00 min

Lab File: VD061891.D

Acq: 19 Apr 2019 2:39

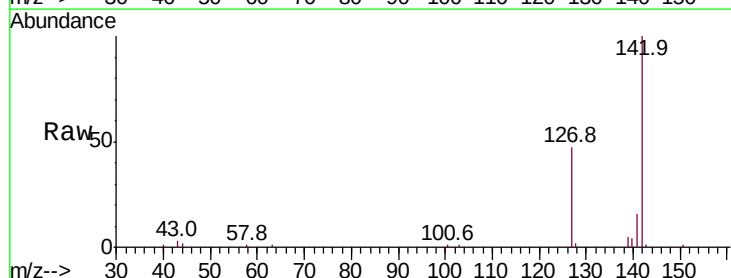
Tgt Ion:142 Resp: 146205

Ion Ratio Lower Upper

142 100

127 47.1 38.8 58.2

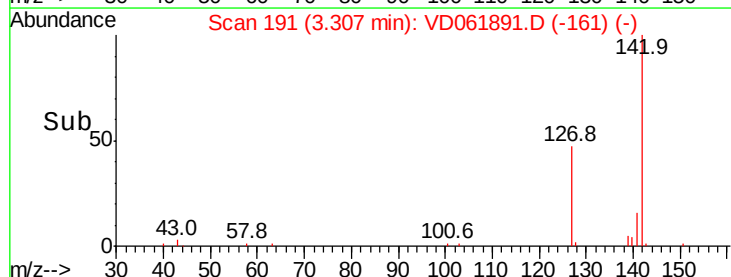
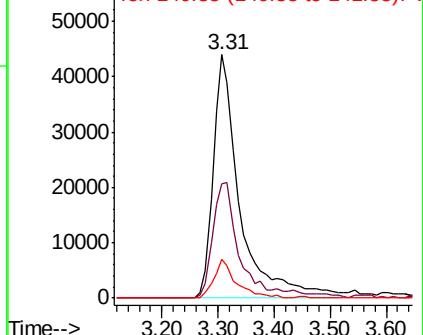
141 15.7 11.4 17.0

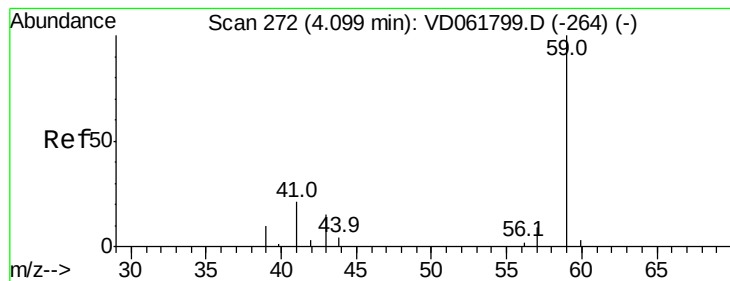


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



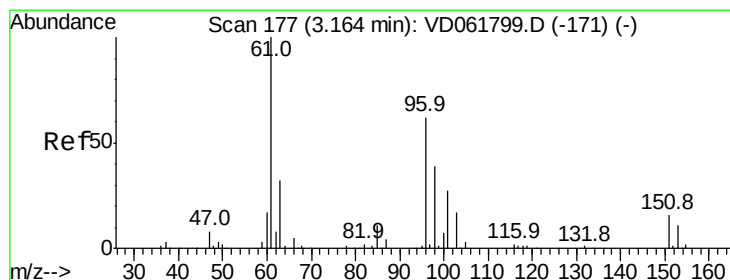
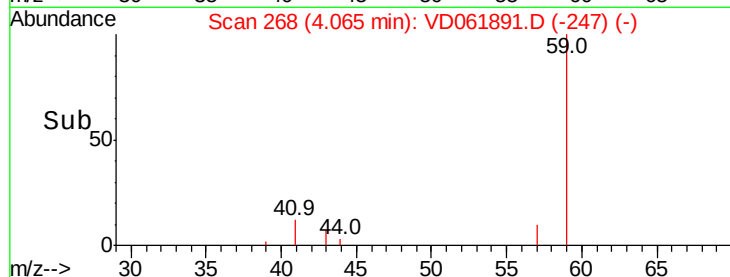
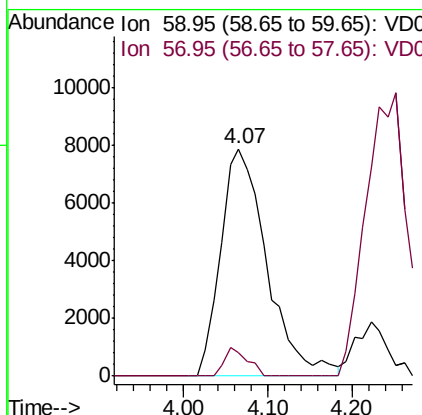
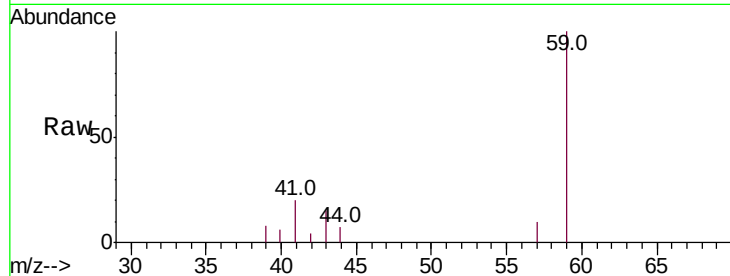


#11

Tert butyl alcohol
 Concen: 120.501 ug/l
 RT: 4.07 min Scan# 268
 Delta R.T. 0.01 min
 Lab File: VD061891.D
 Acq: 19 Apr 2019 2:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS02

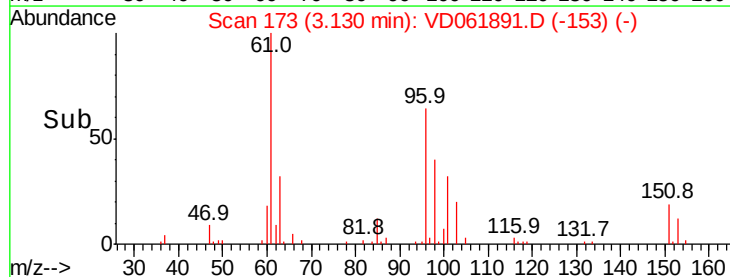
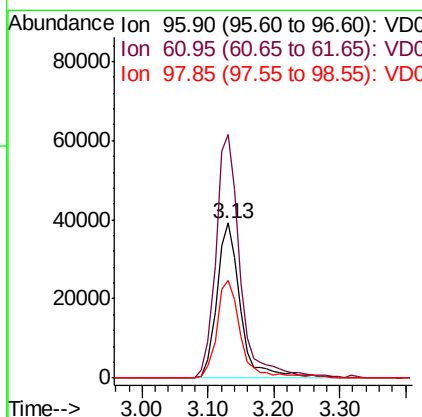
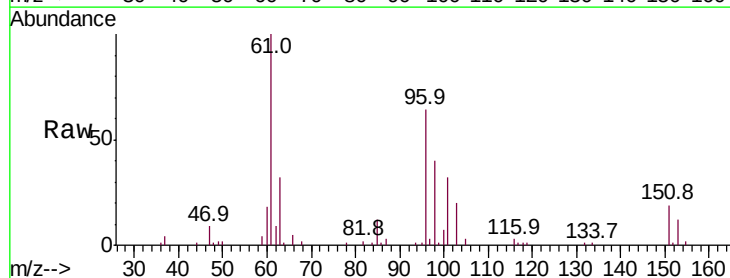
Tot Ion: 59 Resp: 30003
 Ion Ratio Lower Upper
 59 100
 57 10.1 6.9 10.3

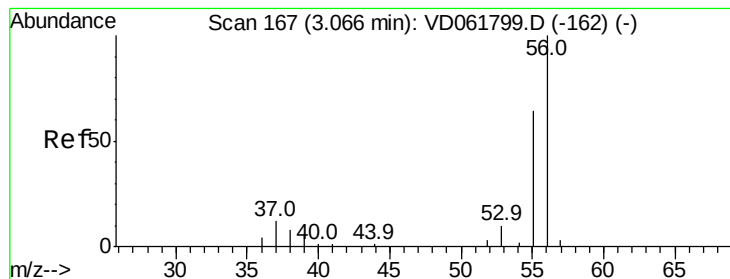


#12

1,1-Dichloroethene
 Concen: 20.686 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. -0.00 min
 Lab File: VD061891.D
 Acq: 19 Apr 2019 2:39

Tgt Ion: 96 Resp: 97806
 Ion Ratio Lower Upper
 96 100
 61 157.4 129.8 194.8
 98 63.4 51.2 76.8





#13

Acrolein

Concen: 87.077 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD061891.D

Acq: 19 Apr 2019 2:39

Instrument :

MSVOA_D

ClientSampleId :

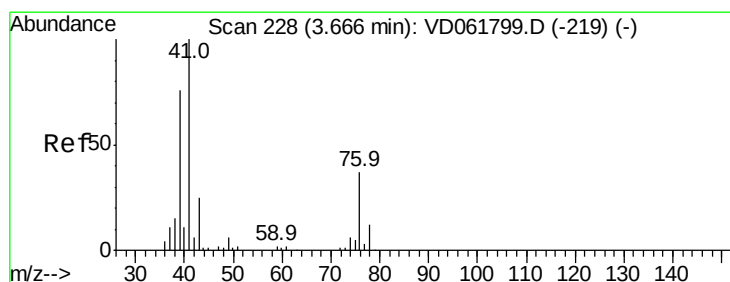
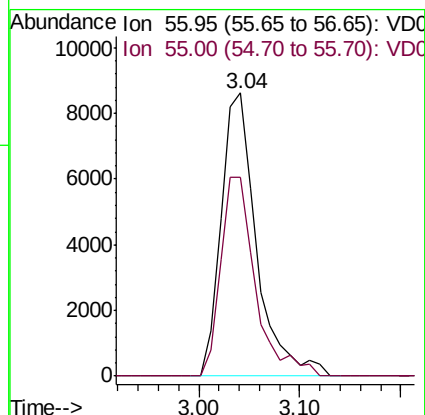
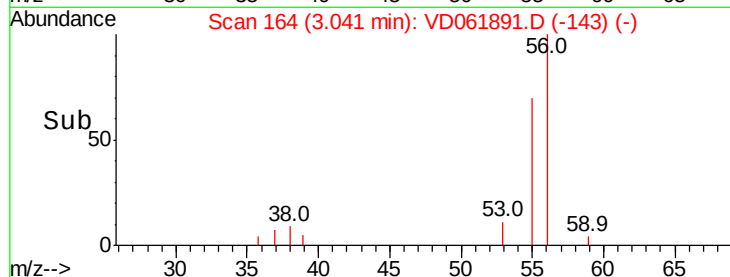
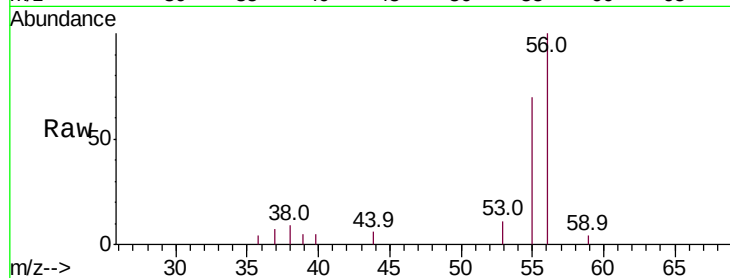
VD0418SBS02

Tot Ion: 56 Resp: 20989

Ion Ratio Lower Upper

56 100

55 70.1 51.4 77.2



#14

Allyl chloride

Concen: 21.493 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD061891.D

Acq: 19 Apr 2019 2:39

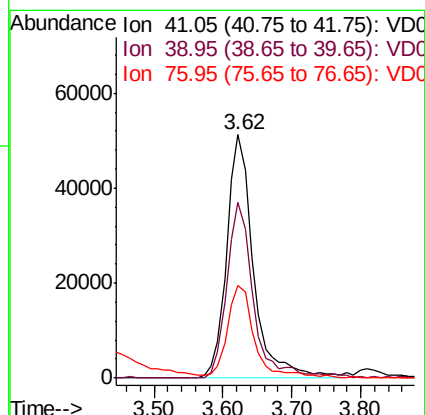
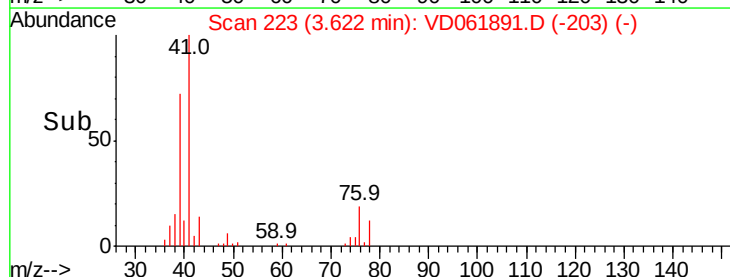
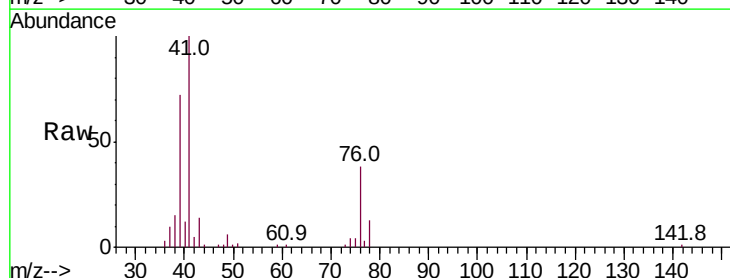
Tgt Ion: 41 Resp: 138511

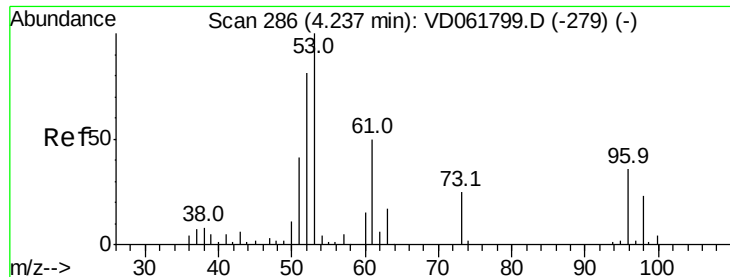
Ion Ratio Lower Upper

41 100

39 72.1 60.5 90.7

76 38.0 31.8 47.8





#15

Acrylonitrile

Concen: 111.537 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.02 min

Lab File: VD061891.D

Acq: 19 Apr 2019 2:39

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS02

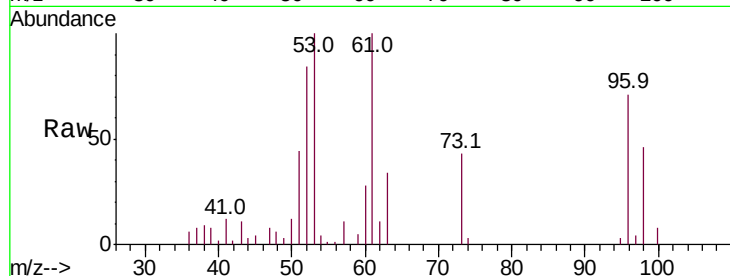
Tot Ion: 53 Resp: 87184

Ion Ratio Lower Upper

53 100

52 83.7 65.0 97.4

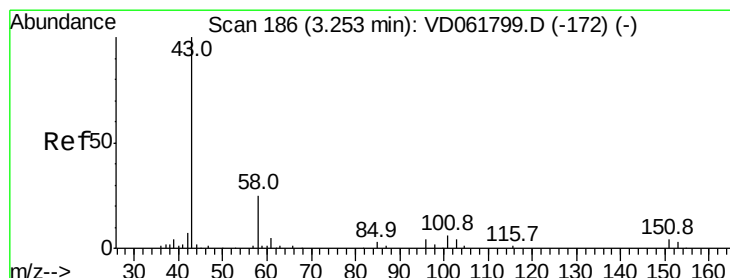
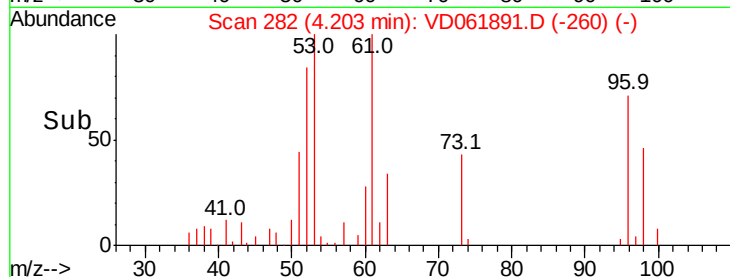
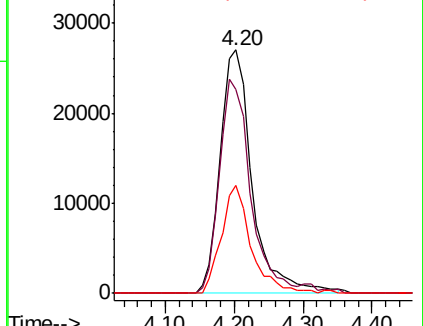
51 44.2 32.6 48.8



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: 93.199 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.02 min

Lab File: VD061891.D

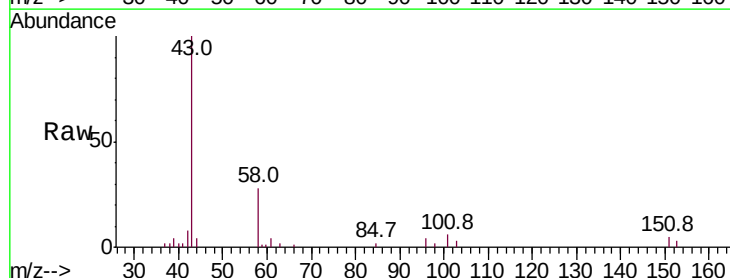
Acq: 19 Apr 2019 2:39

Tgt Ion: 43 Resp: 96981

Ion Ratio Lower Upper

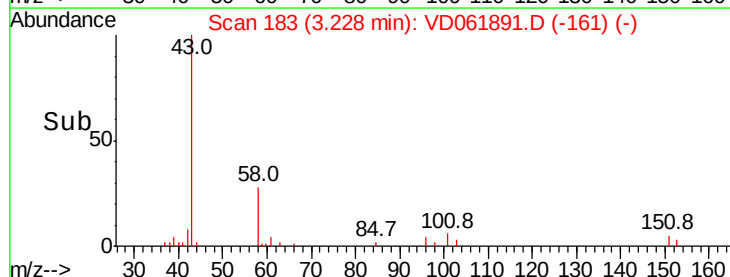
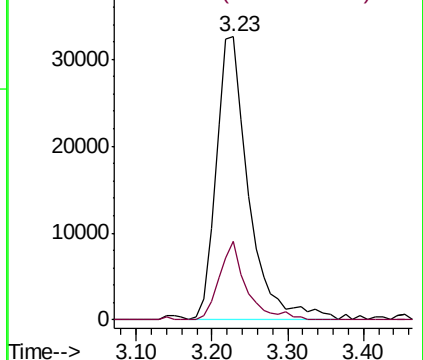
43 100

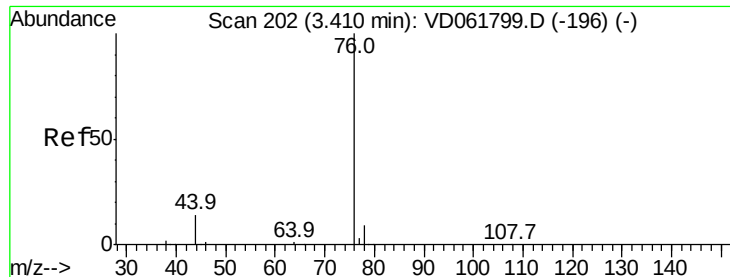
58 27.9 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 17.931 ug/l

RT: 3.38 min Scan# 198

Delta R.T. -0.00 min

Lab File: VD061891.D

Acq: 19 Apr 2019 2:39

Instrument :

MSVOA_D

ClientSampleId :

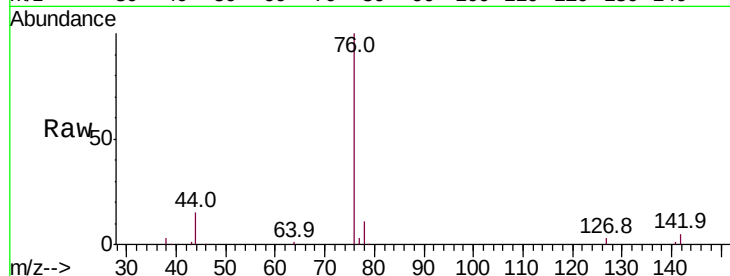
VD0418SBS02

Tot Ion: 76 Resp: 273924

Ion Ratio Lower Upper

76 100

78 10.5 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

120000

100000

80000

60000

40000

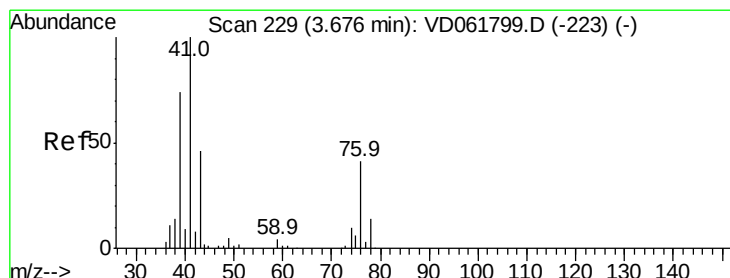
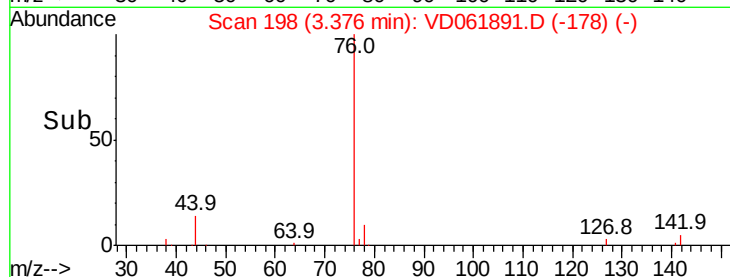
20000

0

3.38

3.30 3.40 3.50 3.60

Time-->



#18

Methyl Acetate

Concen: 24.243 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD061891.D

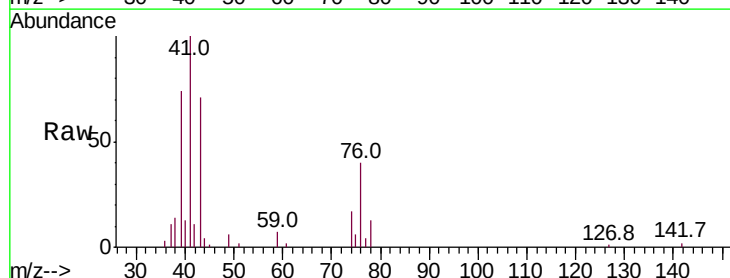
Acq: 19 Apr 2019 2:39

Tgt Ion: 43 Resp: 50562

Ion Ratio Lower Upper

43 100

74 23.9 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

20000

15000

10000

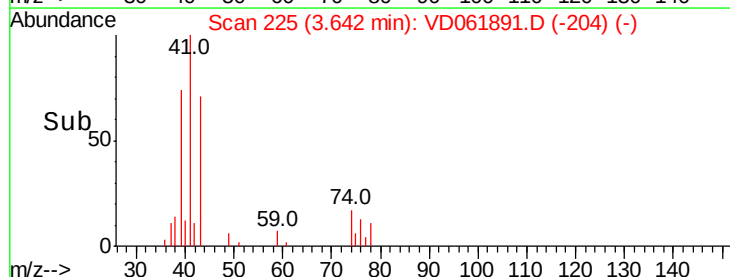
5000

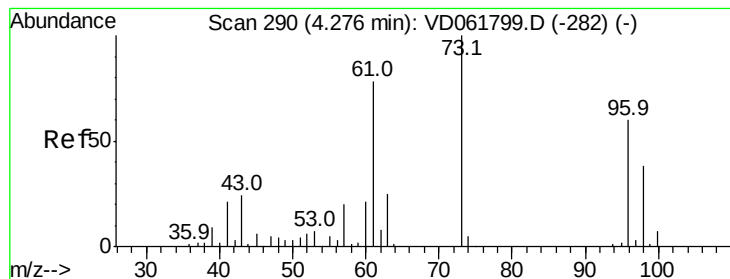
0

3.64

3.60 3.70

Time-->

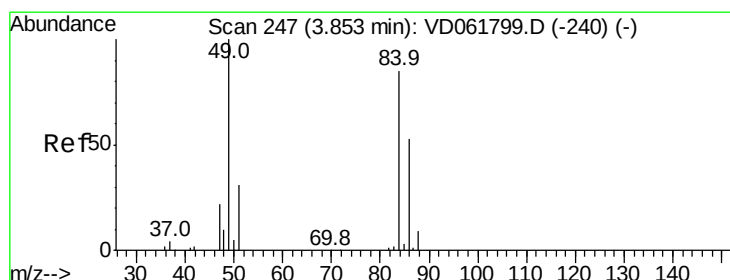
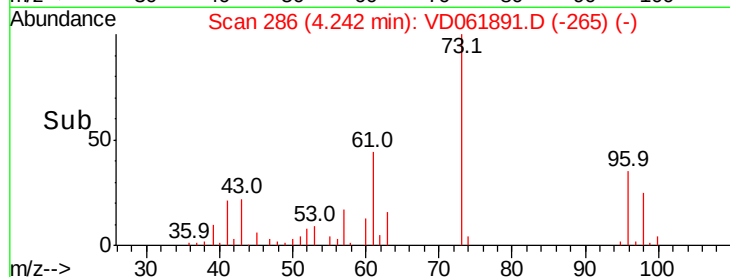
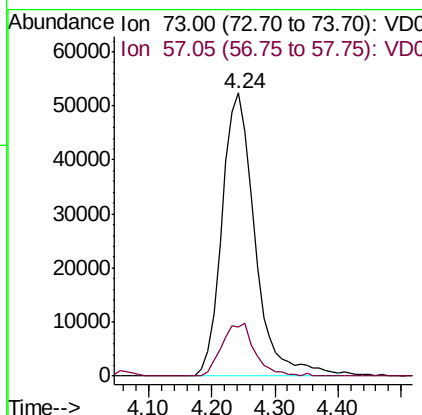
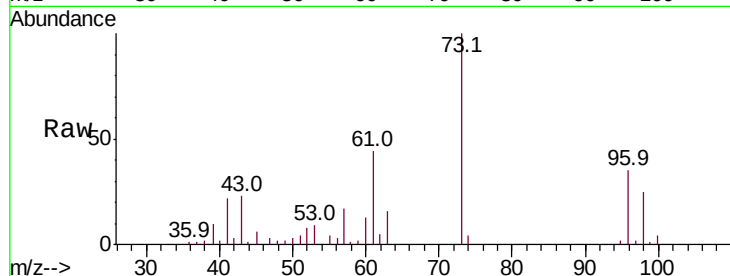




#19
Methyl tert-butyl Ether
Concen: 21.535 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.01 min
Lab File: VD061891.D
Acq: 19 Apr 2019 2:39

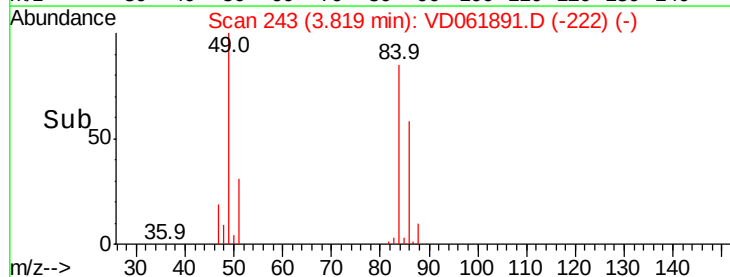
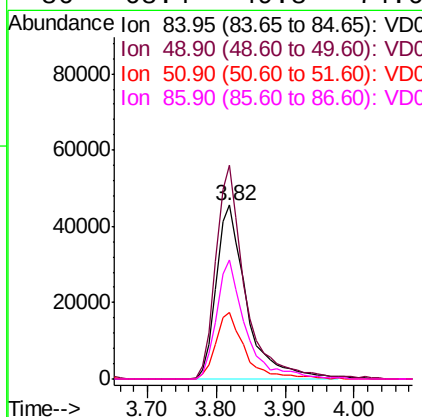
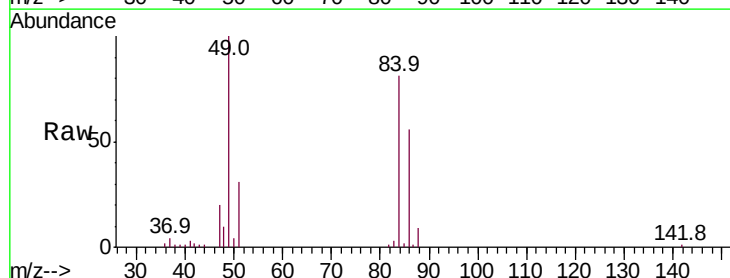
Instrument :
MSVOA_D
ClientSampleId :
VD0418SBS02

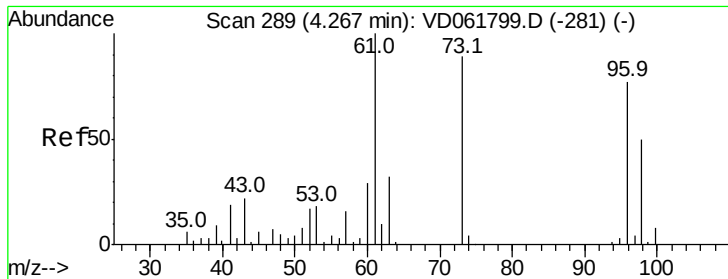
Tot Ion: 73 Resp: 190013
Ion Ratio Lower Upper
73 100
57 17.2 16.3 24.5



#20
Methylene Chloride
Concen: 24.636 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.01 min
Lab File: VD061891.D
Acq: 19 Apr 2019 2:39

Tgt Ion: 84 Resp: 139464
Ion Ratio Lower Upper
84 100
49 123.0 94.0 141.0
51 38.2 29.0 43.4
86 68.4 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 20.630 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.01 min

Lab File: VD061891.D

Acq: 19 Apr 2019 2:39

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS02

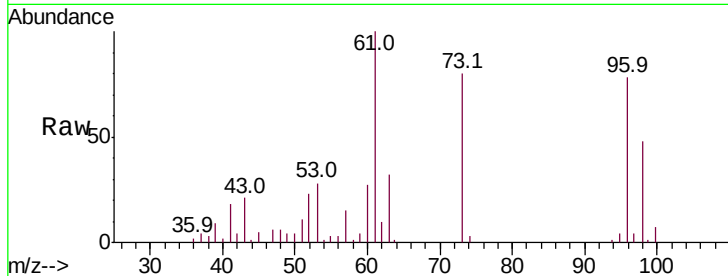
Tot Ion: 96 Resp: 107193

Ion Ratio Lower Upper

96 100

61 128.8 104.4 156.6

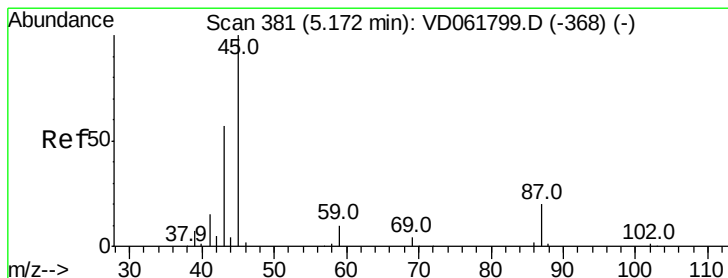
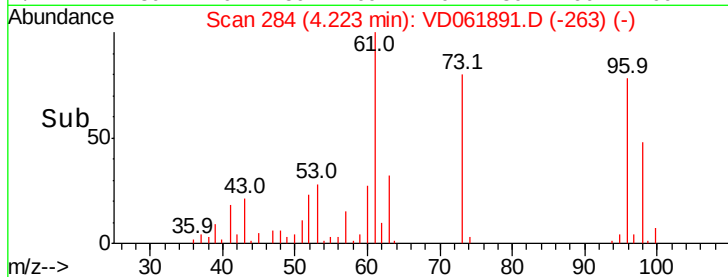
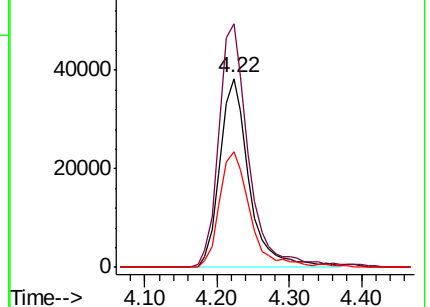
98 61.4 51.8 77.8



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: 21.843 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.01 min

Lab File: VD061891.D

Acq: 19 Apr 2019 2:39

Tgt Ion: 45 Resp: 300903

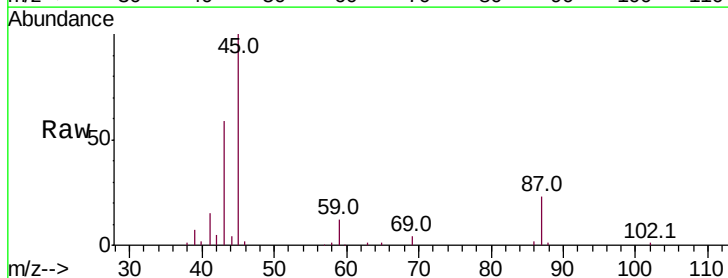
Ion Ratio Lower Upper

45 100

43 59.3 46.2 69.2

87 22.9 15.9 23.9

59 11.9 7.9 11.9

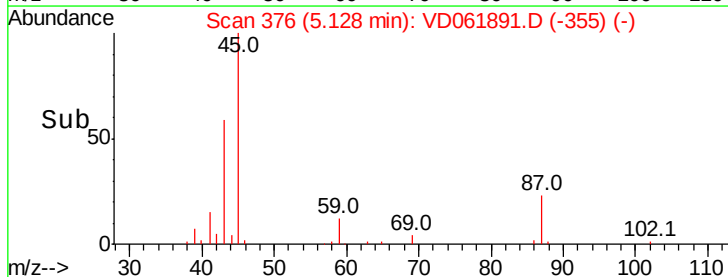
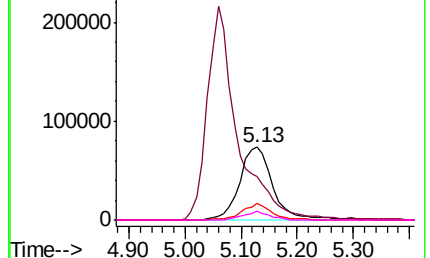


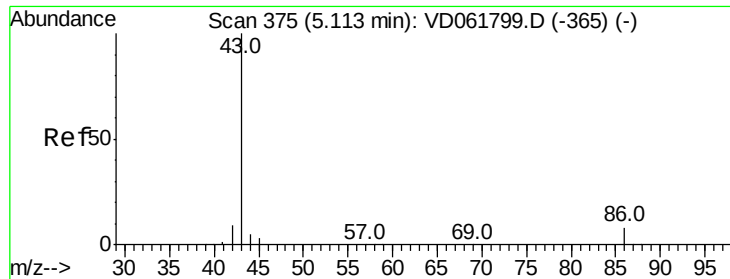
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 109.910 ug/l

RT: 5.06 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD061891.D

Acq: 19 Apr 2019 2:39

Instrument :

MSVOA_D

ClientSampleId :

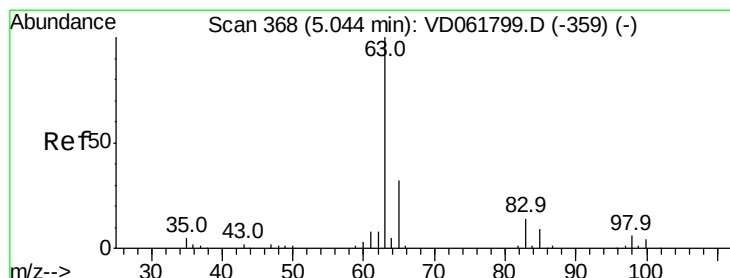
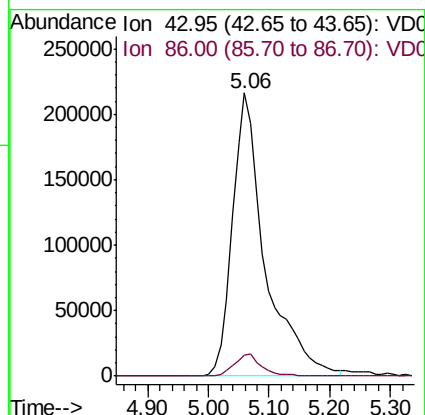
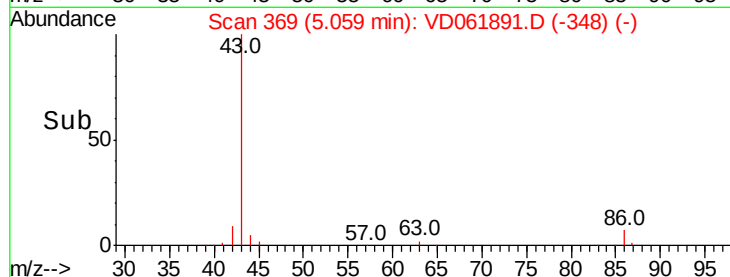
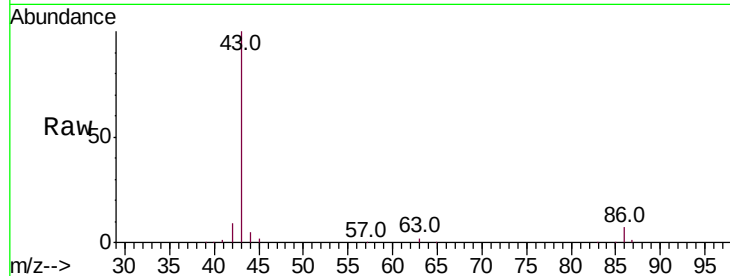
VD0418SBS02

Tot Ion: 43 Resp: 809380

Ion Ratio Lower Upper

43 100

86 7.3 6.4 9.6



#24

1,1-Dichloroethane

Concen: 21.965 ug/l

RT: 4.99 min Scan# 362

Delta R.T. 0.01 min

Lab File: VD061891.D

Acq: 19 Apr 2019 2:39

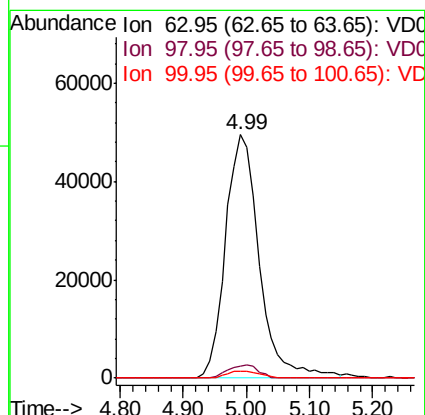
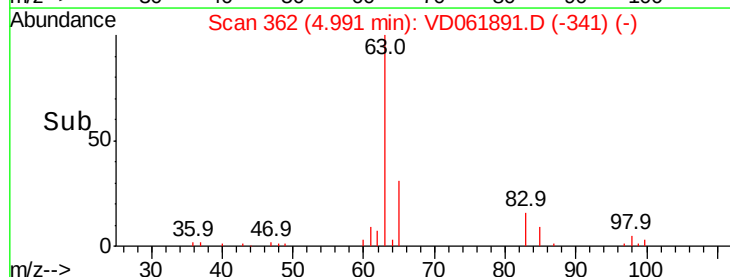
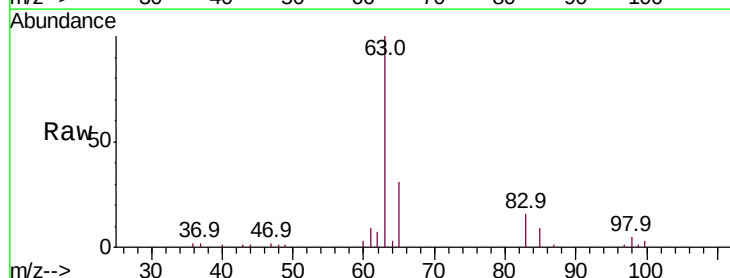
Tgt Ion: 63 Resp: 183453

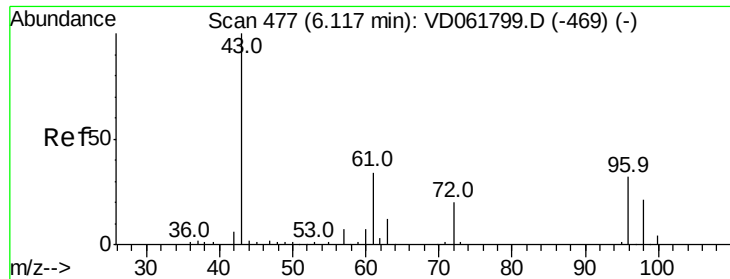
Ion Ratio Lower Upper

63 100

98 5.1 2.8 8.4

100 3.0 1.8 5.5

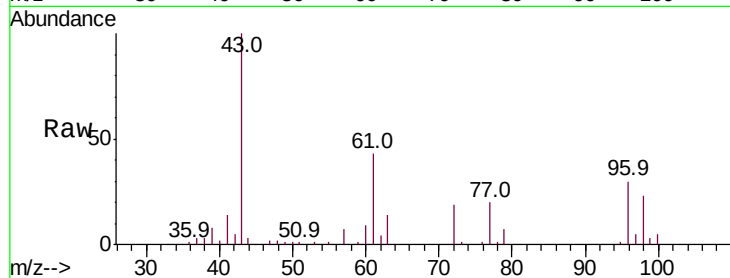




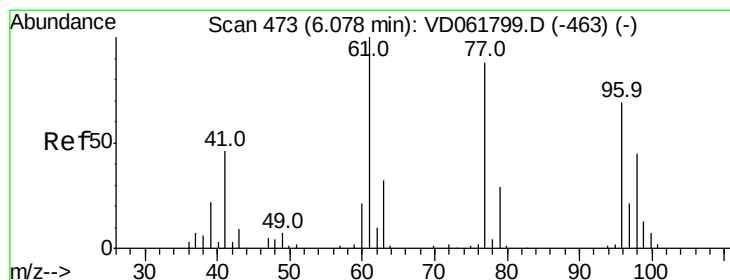
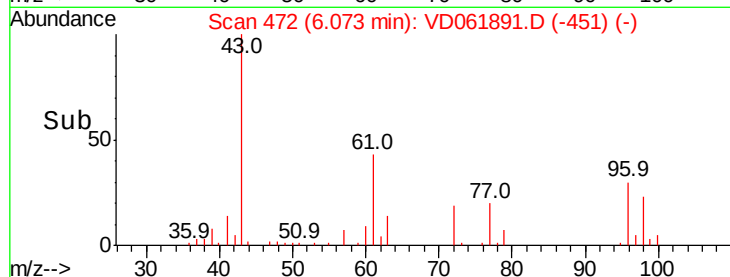
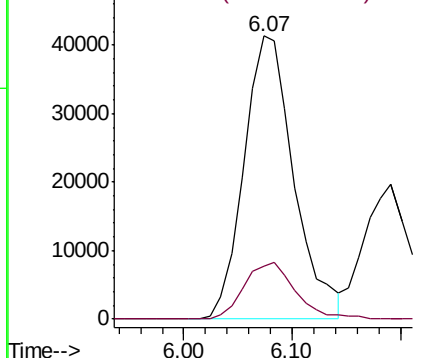
#25
2-Butanone
Concen: 112.367 ug/l
RT: 6.07 min Scan# 472
Delta R.T. 0.01 min
Lab File: VD061891.D
Acq: 19 Apr 2019 2:39

Instrument :
MSVOA_D
ClientSampleId :
VD0418SBS02

Tot Ion: 43 Resp: 133118
Ion Ratio Lower Upper
43 100
72 18.8 16.2 24.4

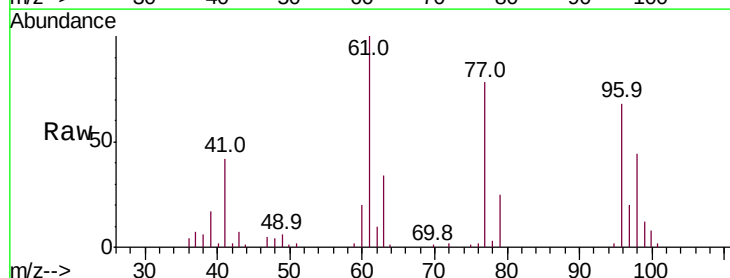


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

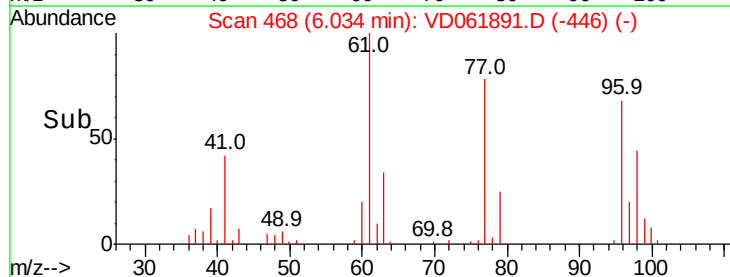
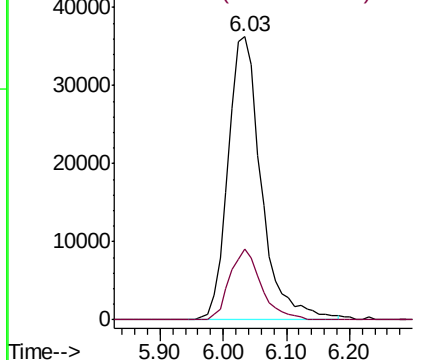


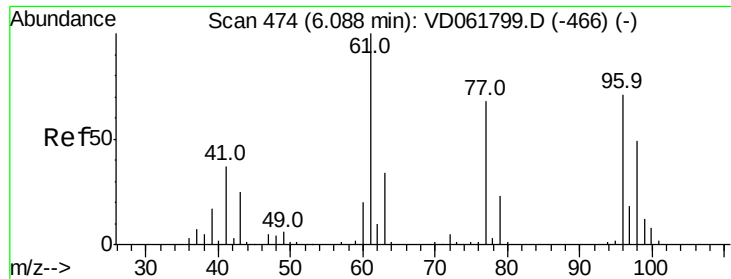
#26
2,2-Dichloropropane
Concen: 18.325 ug/l
RT: 6.03 min Scan# 468
Delta R.T. 0.02 min
Lab File: VD061891.D
Acq: 19 Apr 2019 2:39

Tgt Ion: 77 Resp: 132295
Ion Ratio Lower Upper
77 100
97 25.2 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



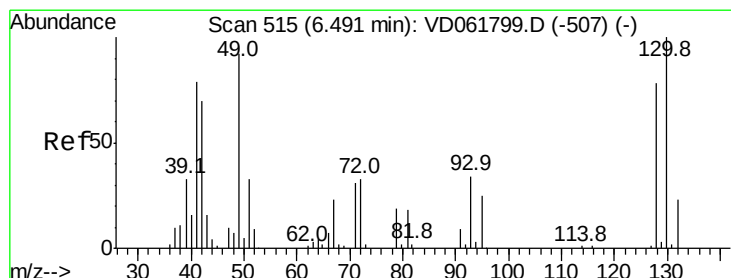
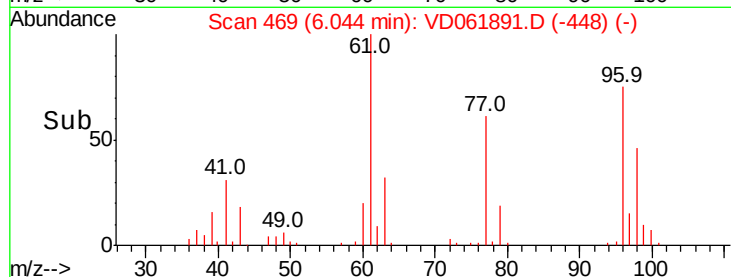
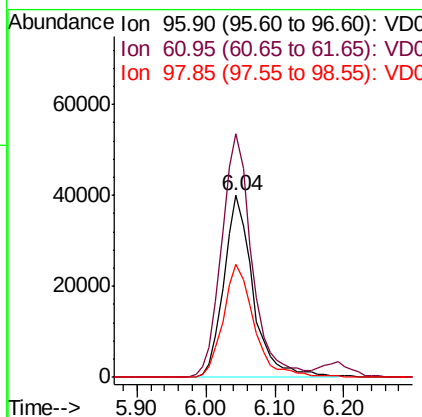
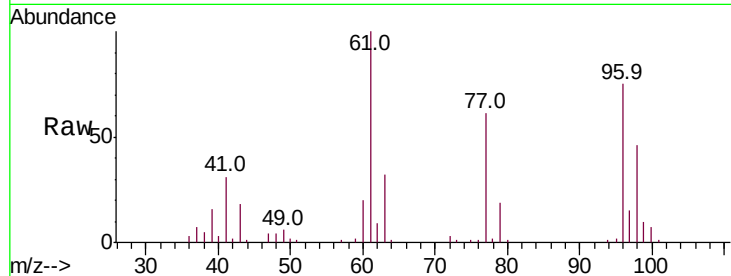


#27

cis-1,2-Dichloroethene
 Concen: 20.952 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. 0.01 min
 Lab File: VD061891.D
 Acq: 19 Apr 2019 2:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS02

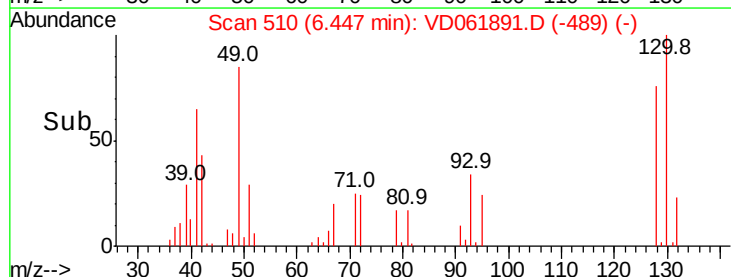
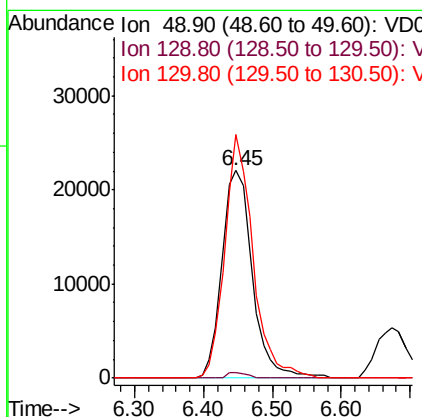
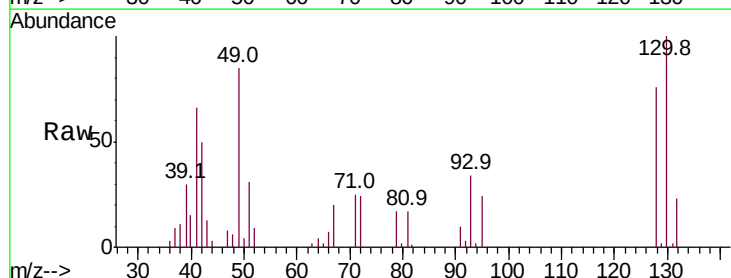
Tot Ion: 96 Resp: 118017
 Ion Ratio Lower Upper
 96 100
 61 133.7 0.0 279.8
 98 61.8 0.0 136.0

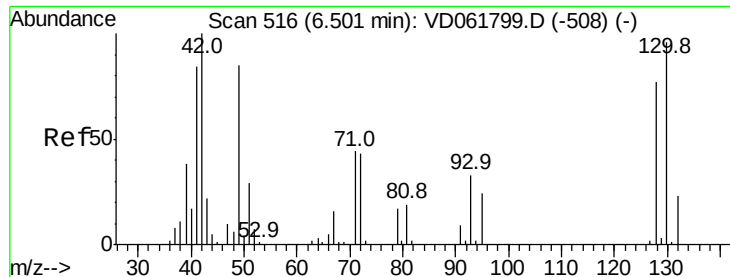


#28

Bromochloromethane
 Concen: 21.309 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. 0.01 min
 Lab File: VD061891.D
 Acq: 19 Apr 2019 2:39

Tgt Ion: 49 Resp: 67603
 Ion Ratio Lower Upper
 49 100
 129 2.5 0.0 6.6
 130 117.4 86.7 130.1





#29

Tetrahydrofuran

Concen: 111.747 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD061891.D

Acq: 19 Apr 2019 2:39

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS02

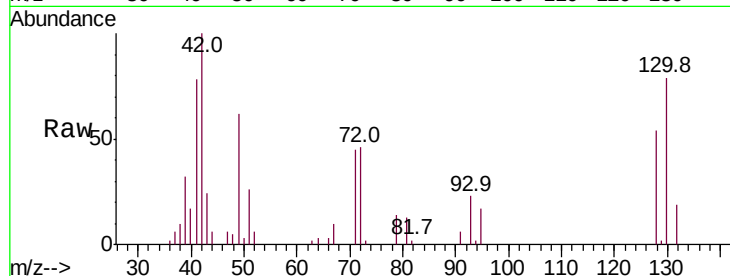
Tot Ion: 42 Resp: 64486

Ion Ratio Lower Upper

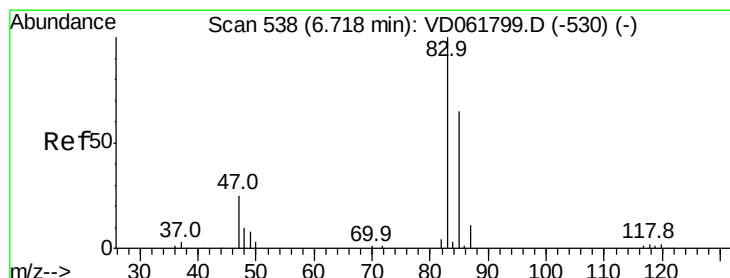
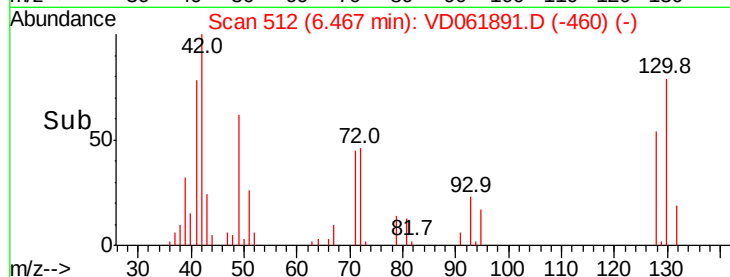
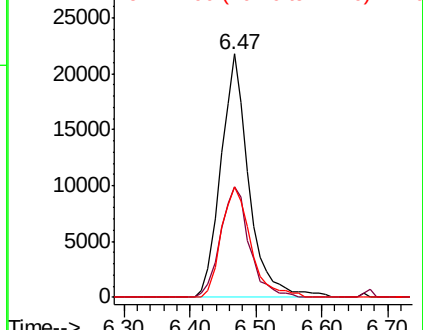
42 100

72 46.8 37.8 56.6

71 47.9 36.7 55.1



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 21.786 ug/l

RT: 6.67 min Scan# 533

Delta R.T. 0.01 min

Lab File: VD061891.D

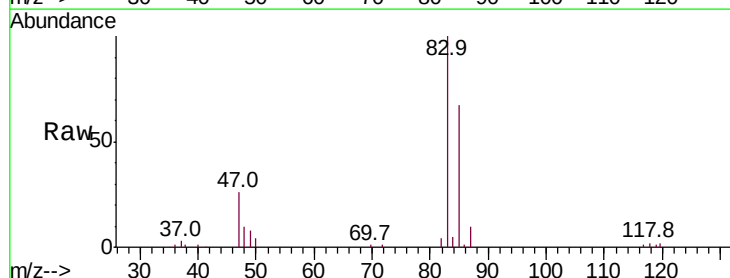
Acq: 19 Apr 2019 2:39

Tgt Ion: 83 Resp: 202951

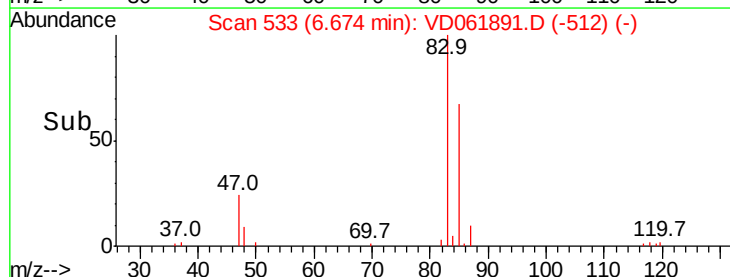
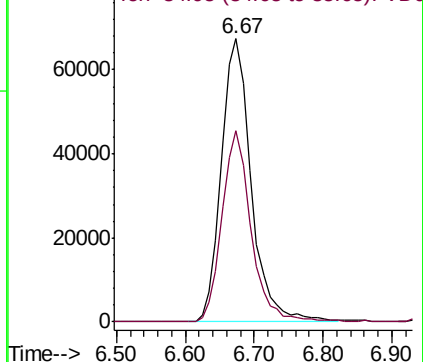
Ion Ratio Lower Upper

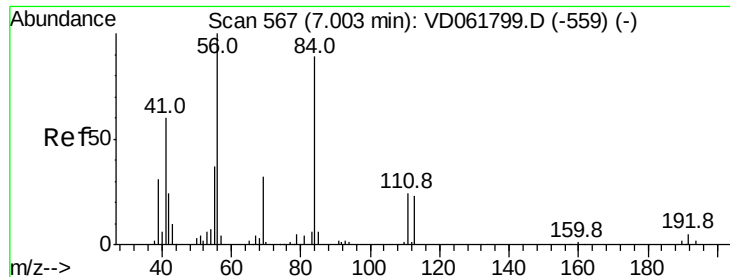
83 100

85 67.4 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

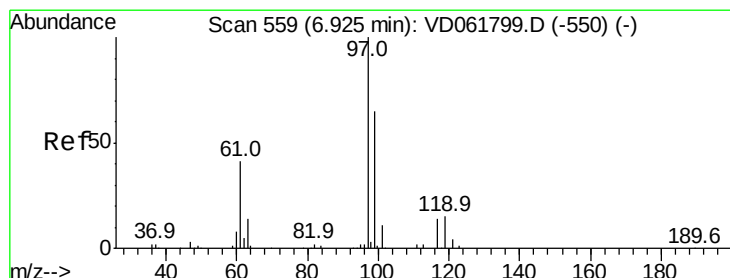
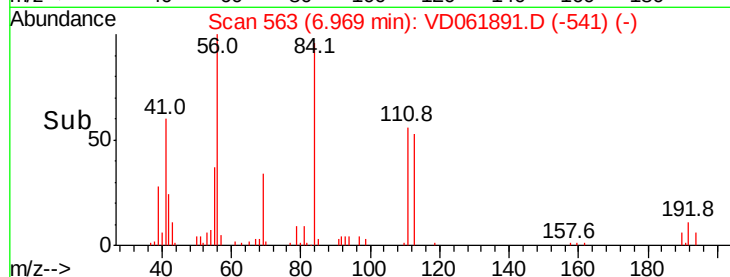
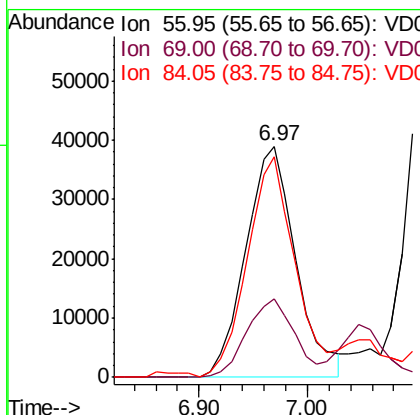
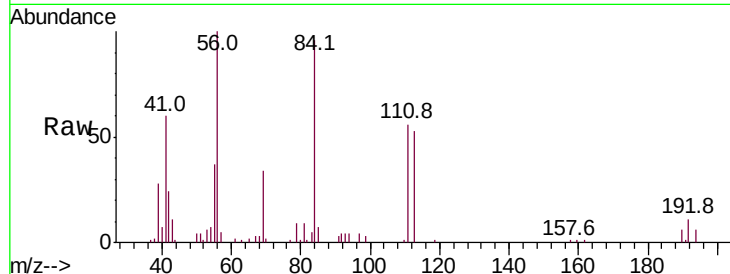




#31
Cyclohexane
Concen: 19.571 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.02 min
Lab File: VD061891.D
Acq: 19 Apr 2019 2:39

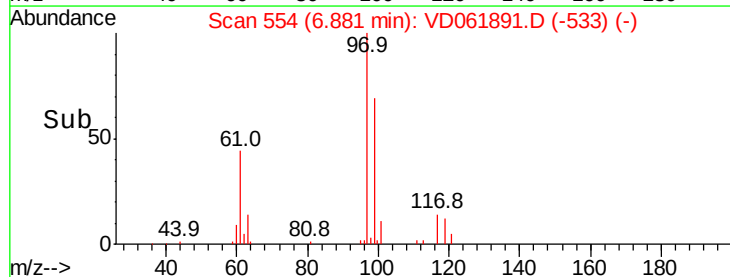
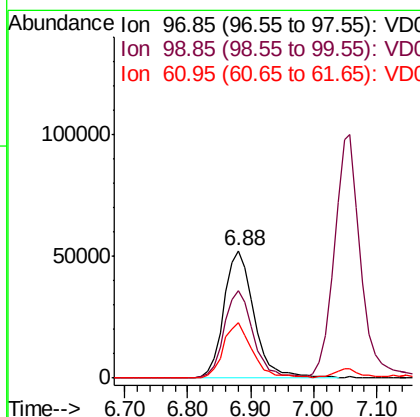
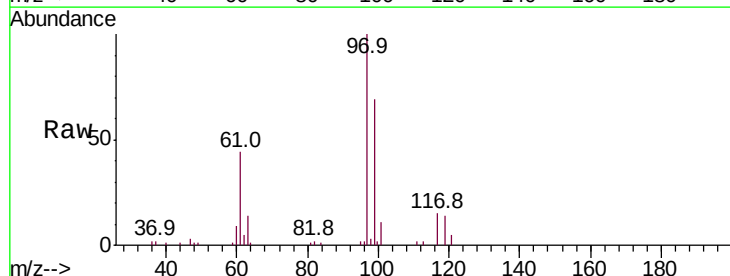
Instrument :
MSVOA_D
ClientSampleId :
VD0418SBS02

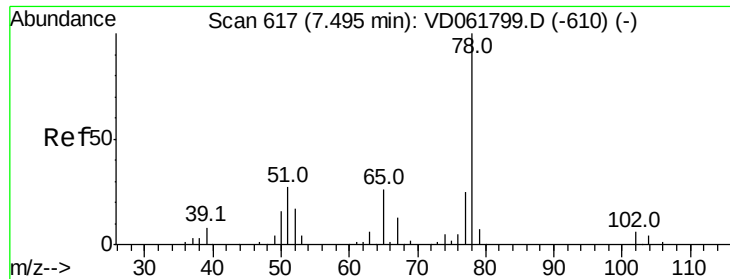
Tot Ion: 56 Resp: 125136
Ion Ratio Lower Upper
56 100
69 33.9 25.8 38.6
84 95.6 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 20.828 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.01 min
Lab File: VD061891.D
Acq: 19 Apr 2019 2:39

Tgt Ion: 97 Resp: 171997
Ion Ratio Lower Upper
97 100
99 69.0 52.2 78.2
61 44.0 32.4 48.6

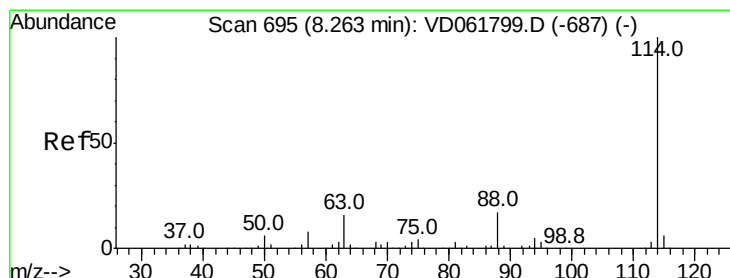
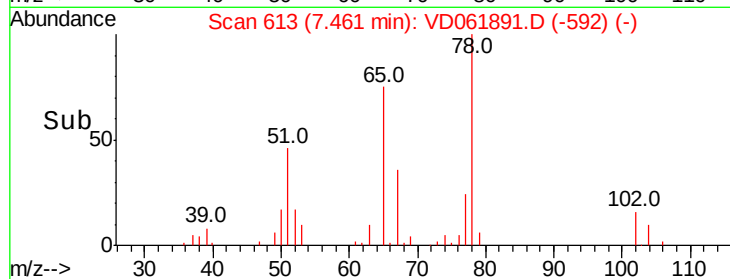
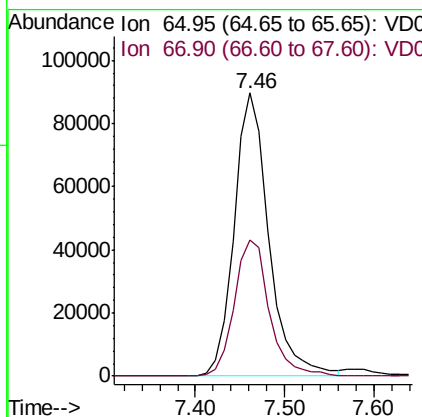
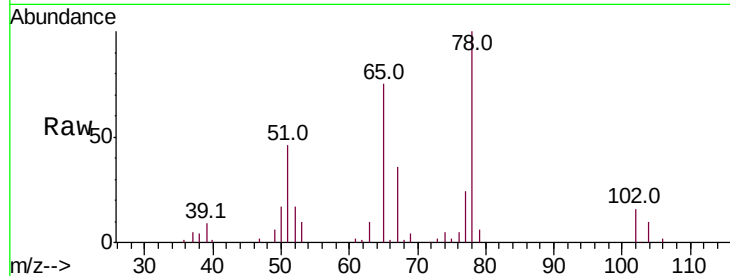




#33
 1,2-Dichloroethane-d4
 Concen: 20.828 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: VD061891.D
 Acq: 19 Apr 2019 2:39

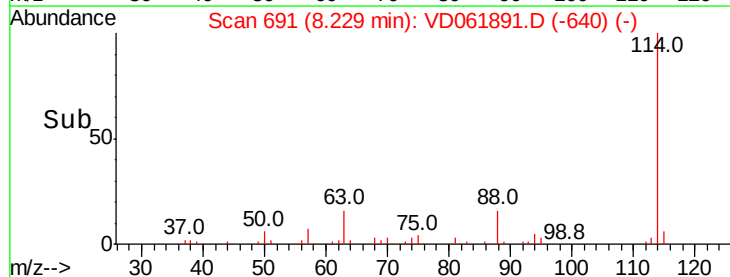
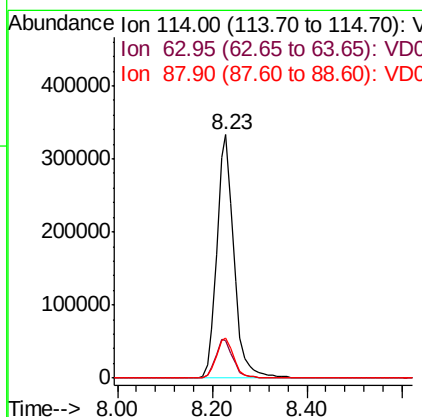
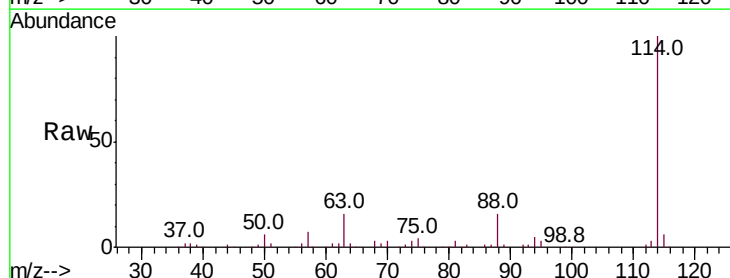
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS02

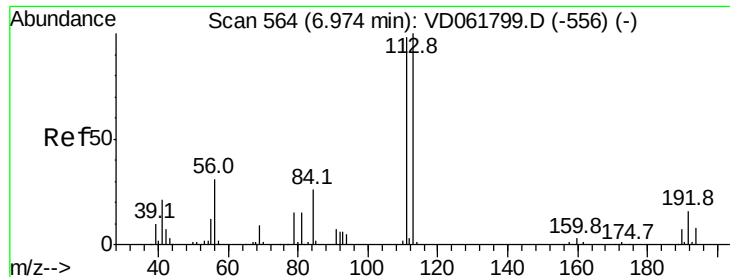
Tot Ion: 65 Resp: 242428
 Ion Ratio Lower Upper
 65 100
 67 47.9 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD061891.D
 Acq: 19 Apr 2019 2:39

Tgt Ion: 114 Resp: 829916
 Ion Ratio Lower Upper
 114 100
 63 15.6 0.0 32.4
 88 16.2 0.0 33.6

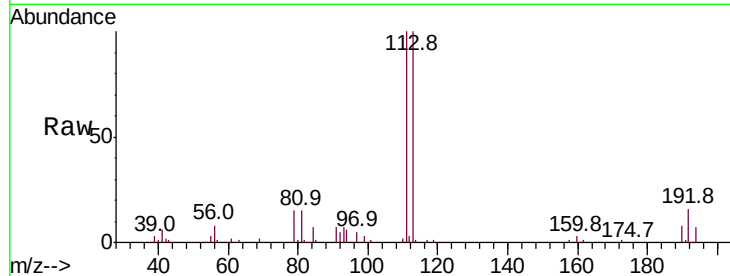




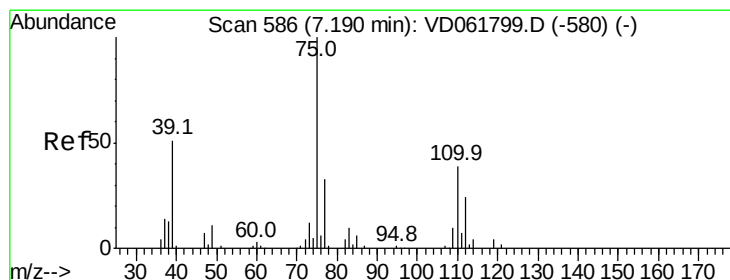
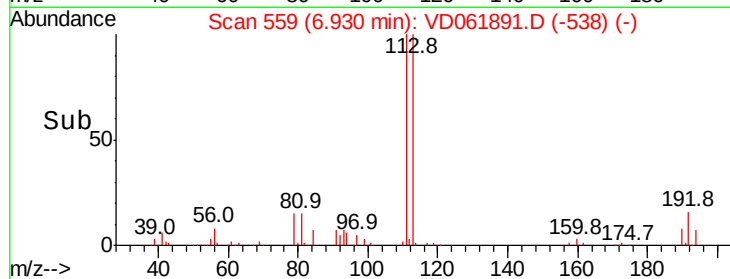
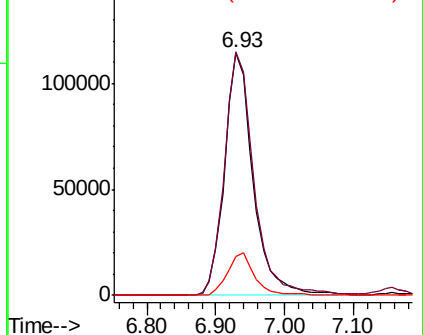
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.01 min
 Lab File: VD061891.D
 Acq: 19 Apr 2019 2:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS02

Tot Ion:113 Resp: 328272
 Ion Ratio Lower Upper
 113 100
 111 100.3 78.5 117.7
 192 15.7 13.0 19.4

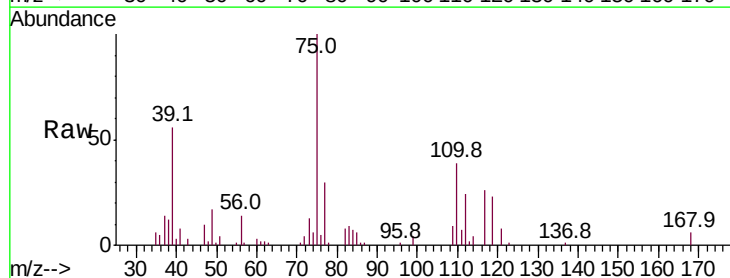


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

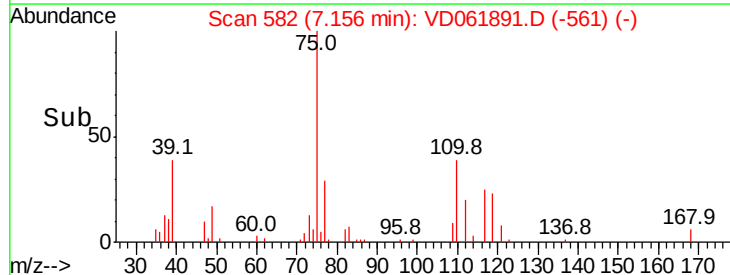
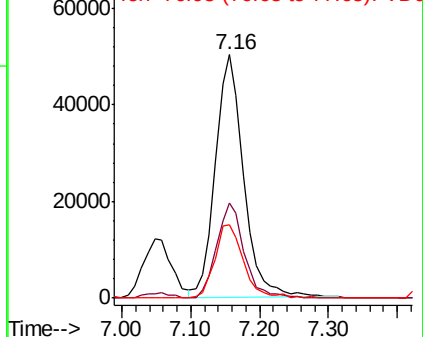


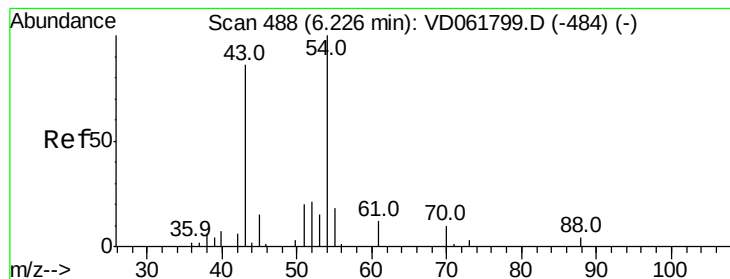
#36
 1,1-Dichloropropene
 Concen: 20.912 ug/l
 RT: 7.16 min Scan# 582
 Delta R.T. 0.01 min
 Lab File: VD061891.D
 Acq: 19 Apr 2019 2:39

Tgt Ion: 75 Resp: 141822
 Ion Ratio Lower Upper
 75 100
 110 39.1 19.1 57.1
 77 29.9 25.6 38.4



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





#37

Ethyl Acetate

Concen: 22.253 ug/l

RT: 6.19 min Scan# 484

Delta R.T. 0.02 min

Lab File: VD061891.D

Acq: 19 Apr 2019 2:39

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS02

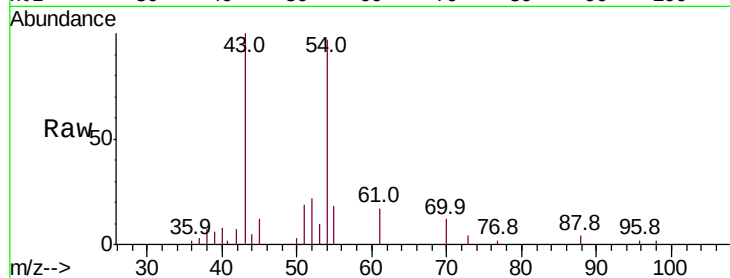
Tot Ion: 43 Resp: 64590

Ion Ratio Lower Upper

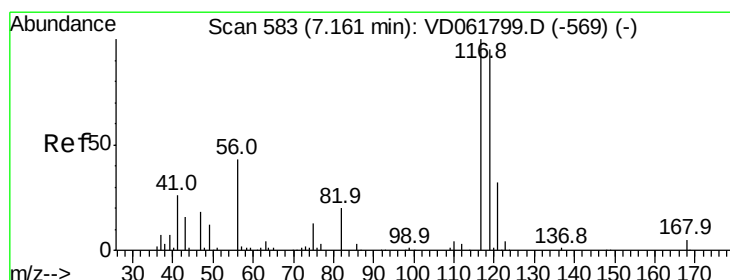
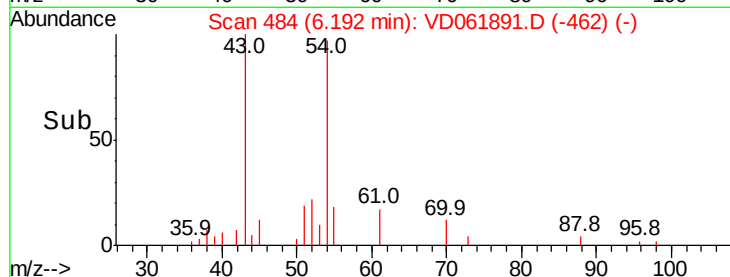
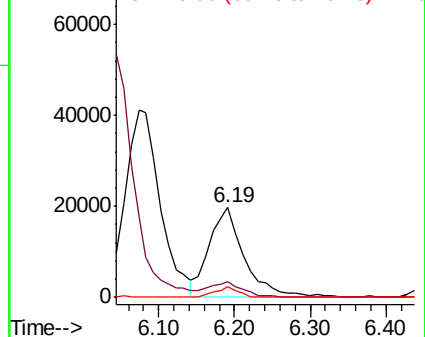
43 100

61 17.1 14.7 22.1

70 11.8 7.8 11.6#



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: 19.936 ug/l

RT: 7.13 min Scan# 579

Delta R.T. 0.02 min

Lab File: VD061891.D

Acq: 19 Apr 2019 2:39

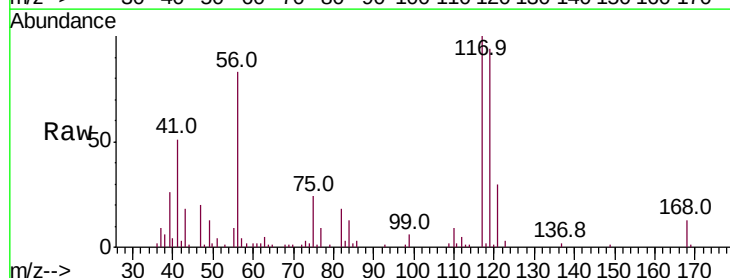
Tgt Ion: 117 Resp: 170717

Ion Ratio Lower Upper

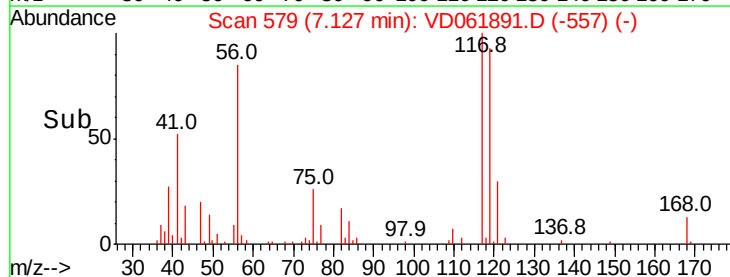
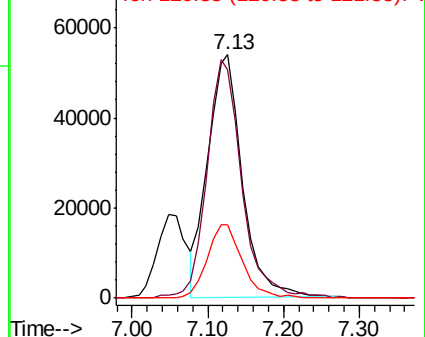
117 100

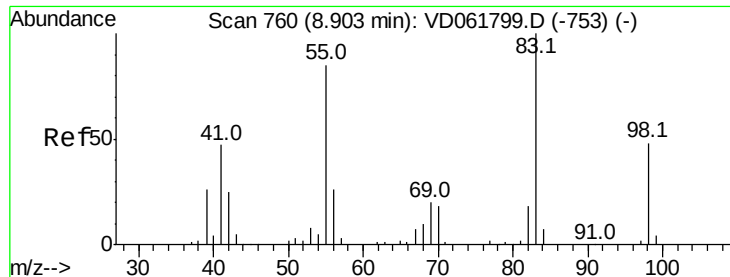
119 93.8 75.8 113.8

121 30.2 25.9 38.9



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

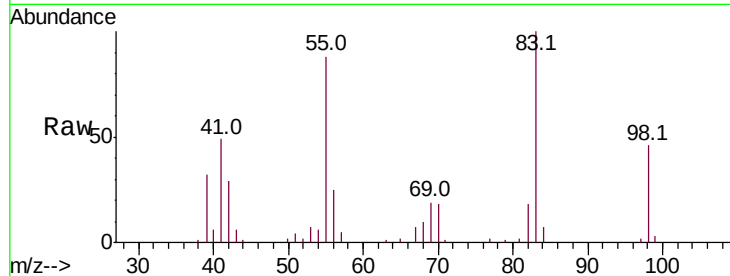




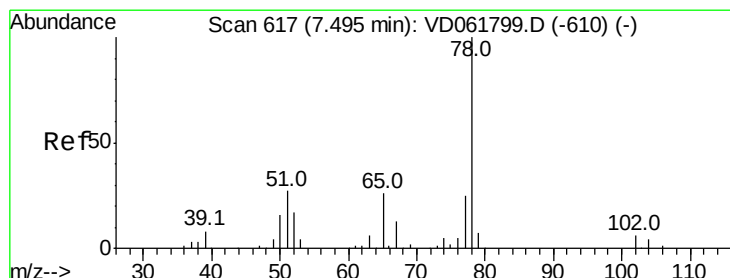
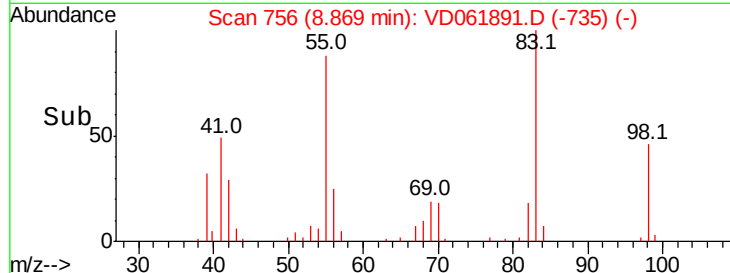
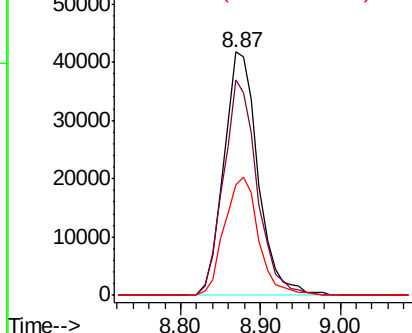
#39
Methylvlcyclohexane
Concen: 17.828 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD061891.D
Acq: 19 Apr 2019 2:39

Instrument :
MSVOA_D
ClientSampleId :
VD0418SBS02

Tot Ion: 83 Resp: 125550
Ion Ratio Lower Upper
83 100
55 88.4 68.2 102.4
98 45.5 38.2 57.4

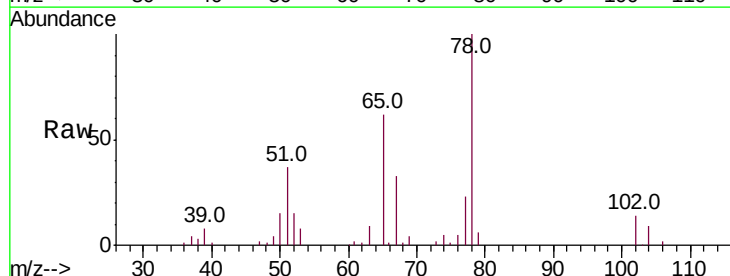


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

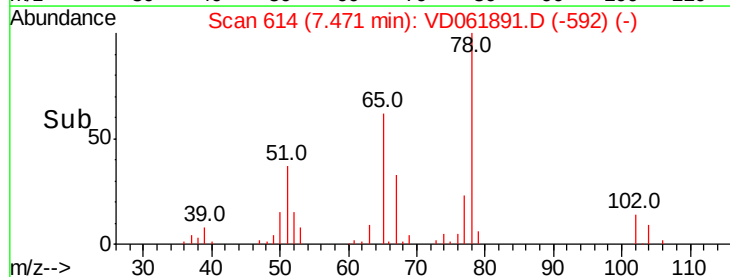
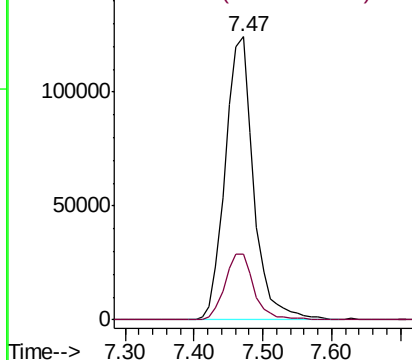


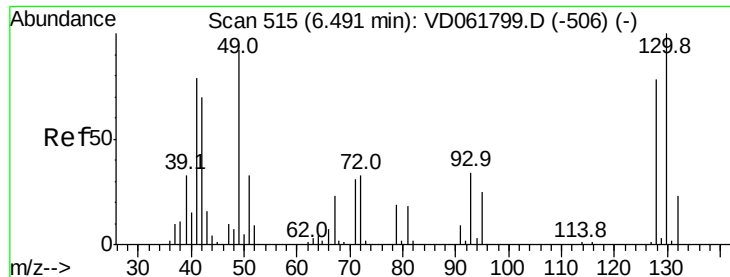
#40
Benzene
Concen: 21.825 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.02 min
Lab File: VD061891.D
Acq: 19 Apr 2019 2:39

Tgt Ion: 78 Resp: 355338
Ion Ratio Lower Upper
78 100
77 23.2 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 21.046 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD061891.D

Acq: 19 Apr 2019 2:39

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS02

Tot Ion: 41 Resp: 72202

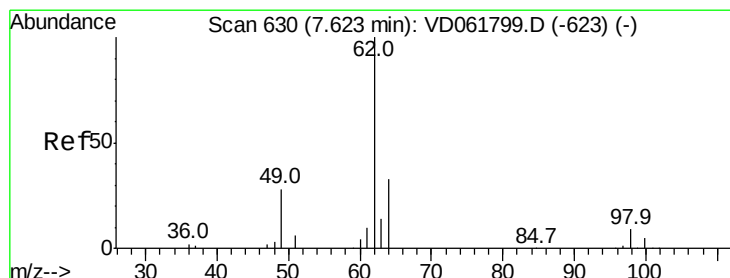
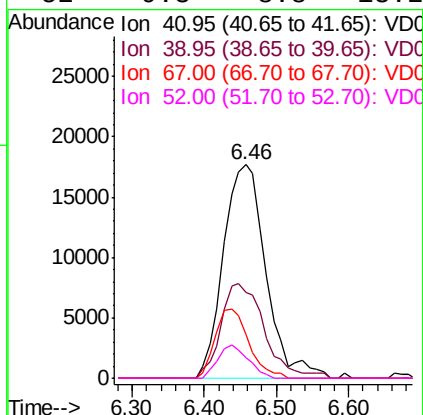
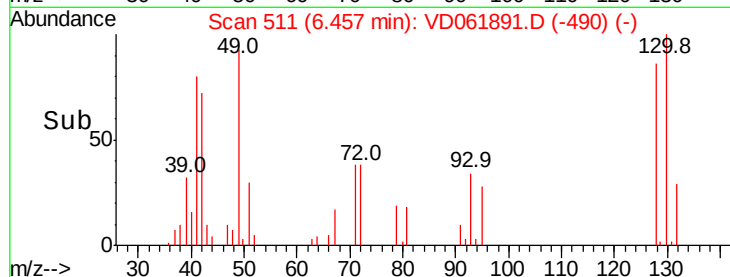
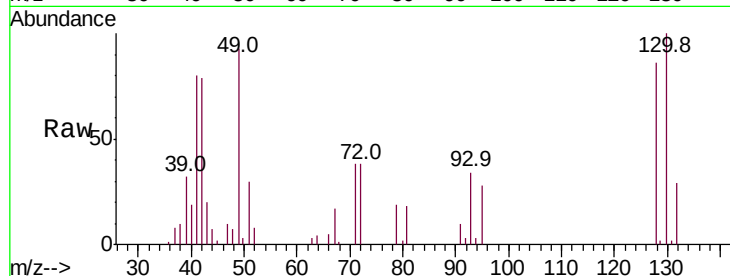
Ion Ratio Lower Upper

41 100

39 40.0 34.1 51.1

67 20.6 23.8 35.6#

52 9.3 8.8 13.2



#42

1,2-Dichloroethane

Concen: 21.768 ug/l

RT: 7.59 min Scan# 626

Delta R.T. 0.02 min

Lab File: VD061891.D

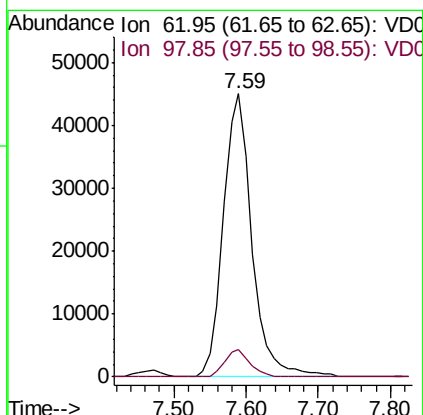
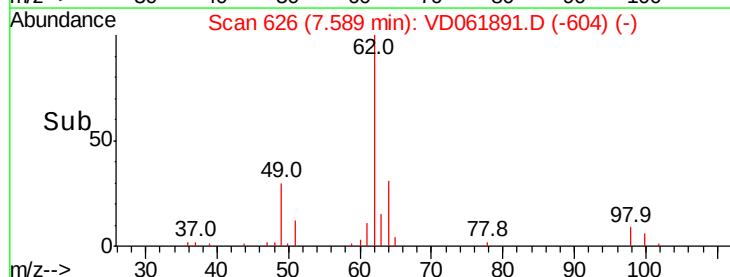
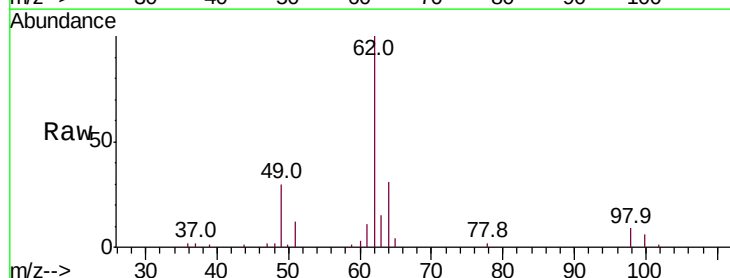
Acq: 19 Apr 2019 2:39

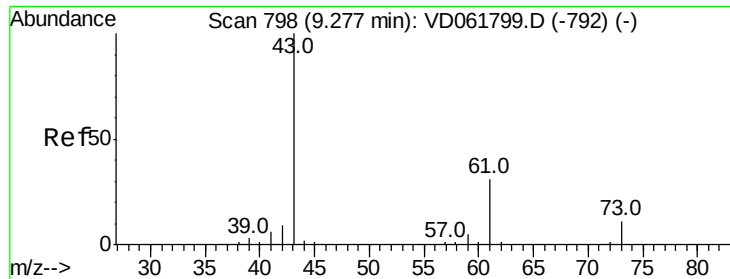
Tgt Ion: 62 Resp: 123436

Ion Ratio Lower Upper

62 100

98 9.5 0.0 17.8





#43

Isopropyl Acetate

Concen: 22.685 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD061891.D

Acq: 19 Apr 2019 2:39

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS02

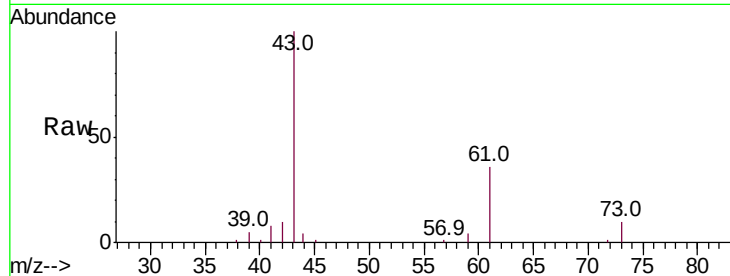
Tot Ion: 43 Resp: 92659

Ion Ratio Lower Upper

43 100

61 35.9 25.1 37.7

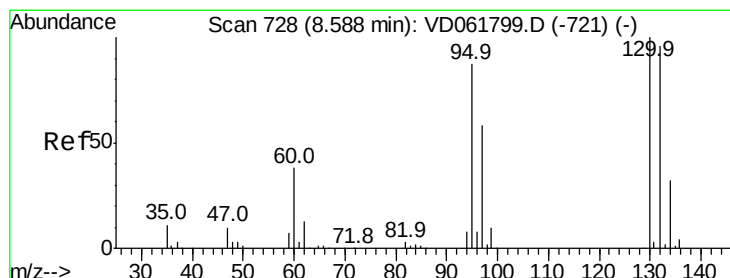
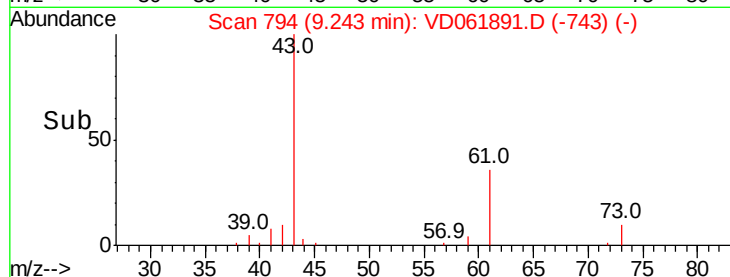
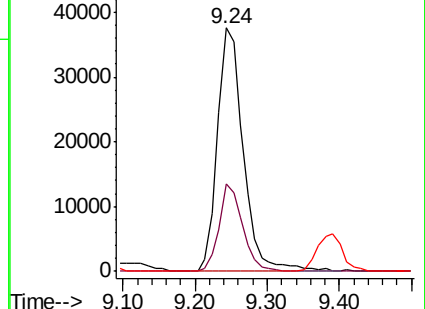
87 0.0 0.0 0.0



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: 21.065 ug/l

RT: 8.54 min Scan# 723

Delta R.T. 0.01 min

Lab File: VD061891.D

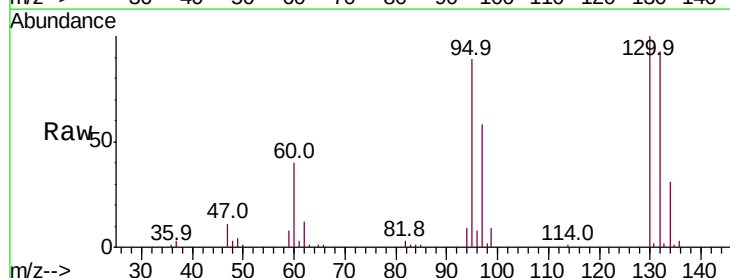
Acq: 19 Apr 2019 2:39

Tgt Ion: 130 Resp: 132030

Ion Ratio Lower Upper

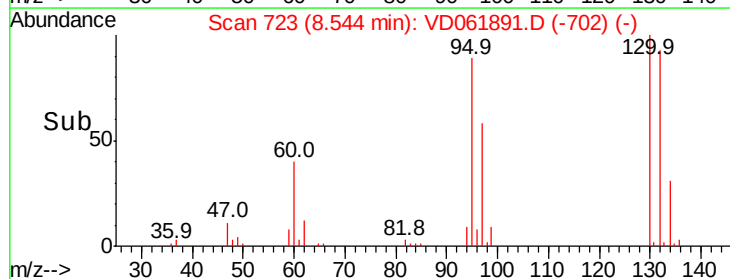
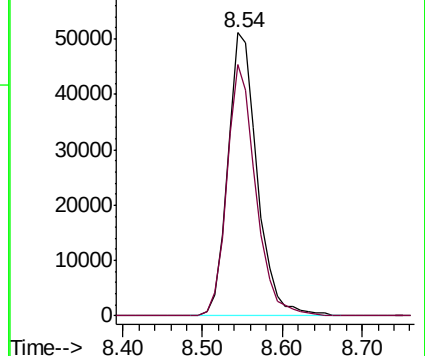
130 100

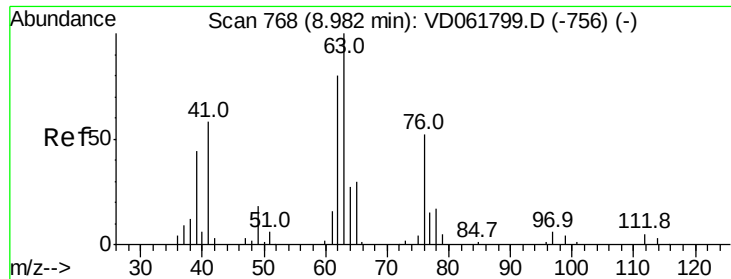
95 88.8 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

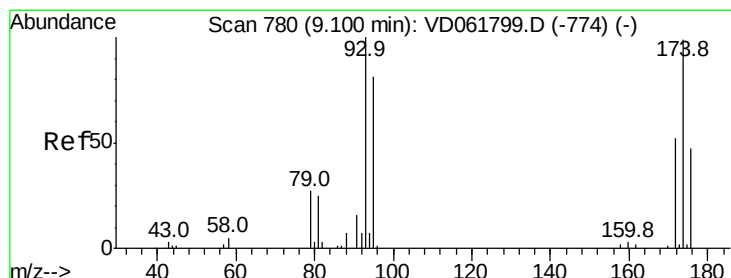
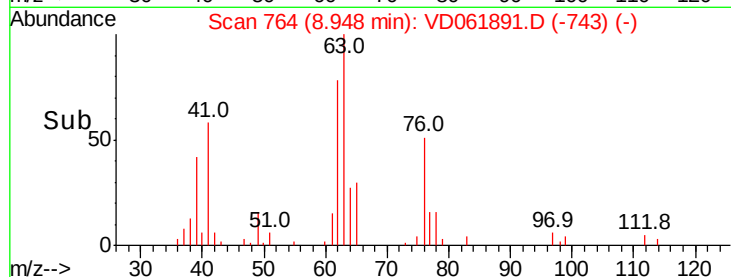
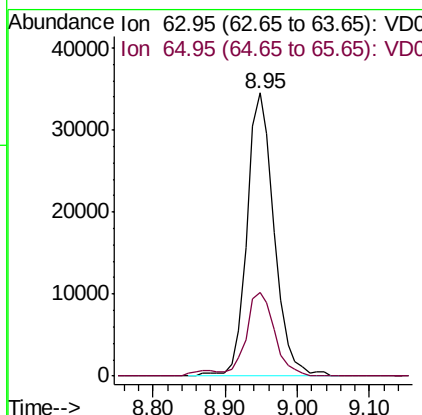
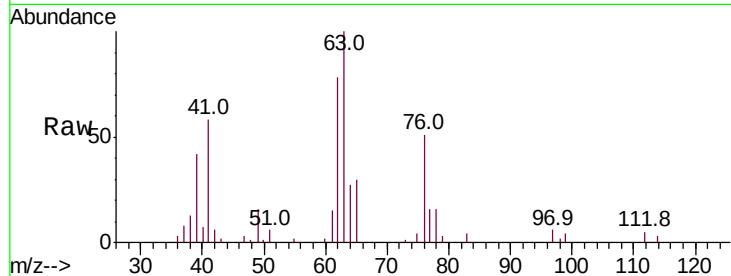




#45
 1,2-Dichloropropane
 Concen: 21.357 ug/l
 RT: 8.95 min Scan# 764
 Delta R.T. 0.01 min
 Lab File: VD061891.D
 Acq: 19 Apr 2019 2:39

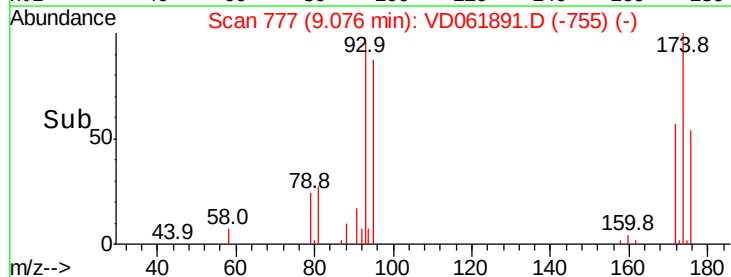
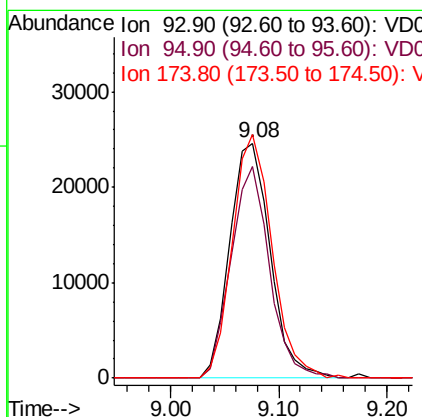
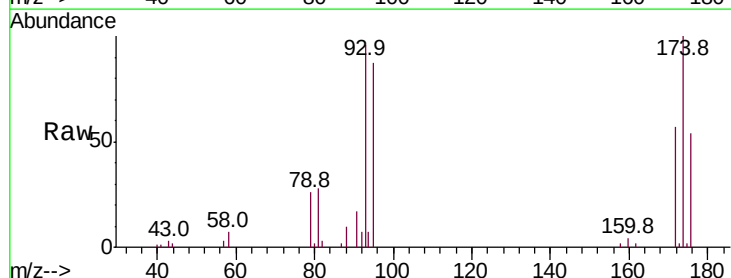
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS02

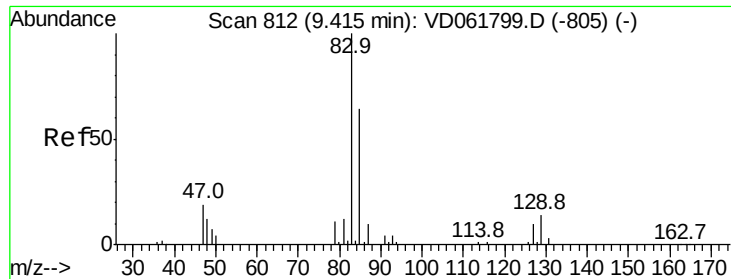
Tot Ion: 63 Resp: 90574
 Ion Ratio Lower Upper
 63 100
 65 29.7 23.8 35.6



#46
 Dibromomethane
 Concen: 21.225 ug/l
 RT: 9.08 min Scan# 777
 Delta R.T. 0.02 min
 Lab File: VD061891.D
 Acq: 19 Apr 2019 2:39

Tgt Ion: 93 Resp: 64137
 Ion Ratio Lower Upper
 93 100
 95 90.0 64.8 97.2
 174 103.7 79.3 118.9





#47

Bromodichloromethane

Concen: 21.186 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD061891.D

Acq: 19 Apr 2019 2:39

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS02

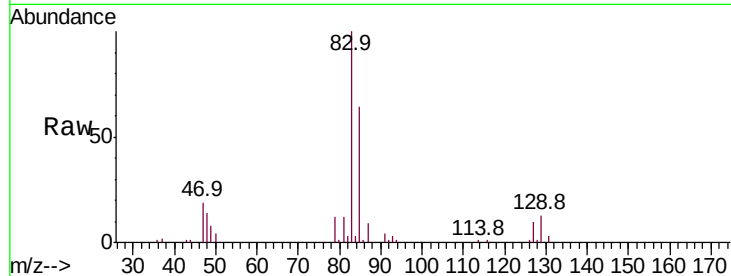
Tot Ion: 83 Resp: 147697

Ion Ratio Lower Upper

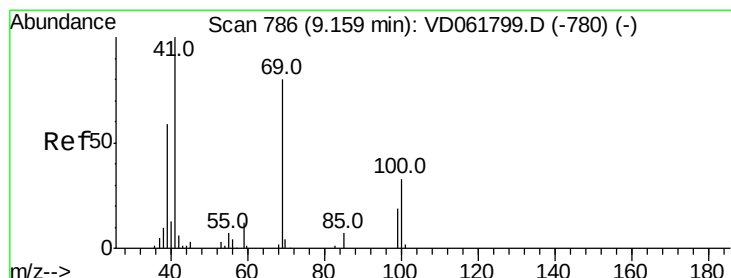
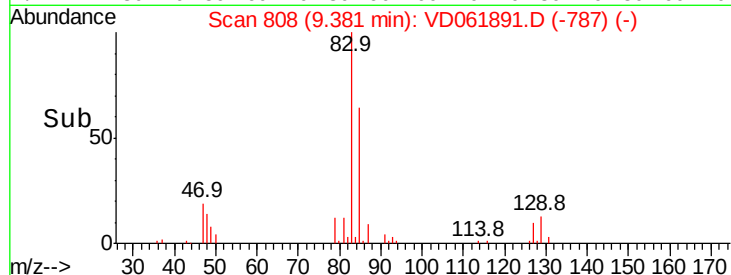
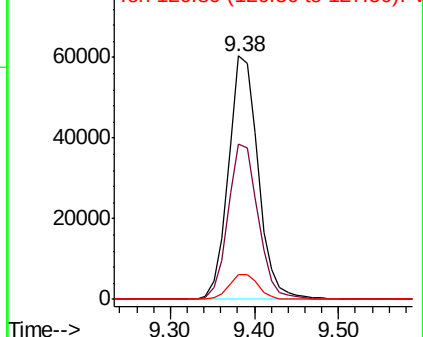
83 100

85 63.5 50.9 76.3

127 10.3 8.1 12.1



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): VDC



#48

Methyl methacrylate

Concen: 23.398 ug/l

RT: 9.13 min Scan# 782

Delta R.T. 0.01 min

Lab File: VD061891.D

Acq: 19 Apr 2019 2:39

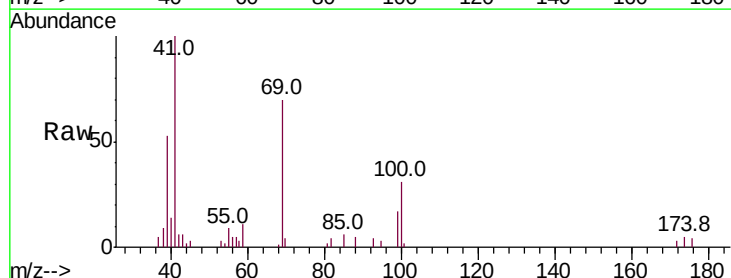
Tgt Ion: 41 Resp: 56177

Ion Ratio Lower Upper

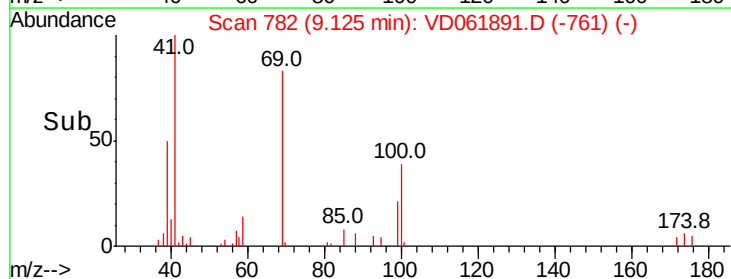
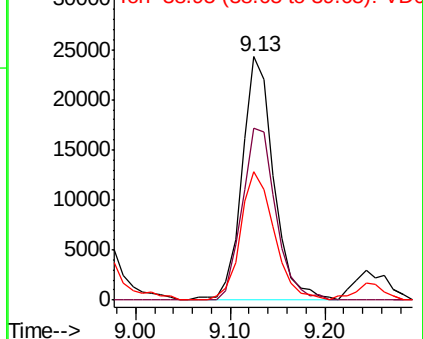
41 100

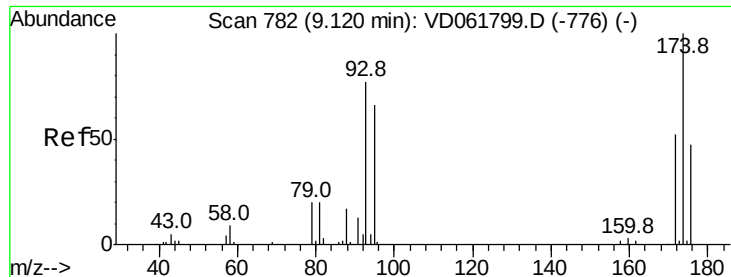
69 70.4 64.2 96.2

39 52.8 46.8 70.2



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





#49

1,4-Dioxane

Concen: 474.989 ug/l

RT: 9.09 min Scan# 778

Delta R.T. 0.01 min

Lab File: VD061891.D

Acq: 19 Apr 2019 2:39

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS02

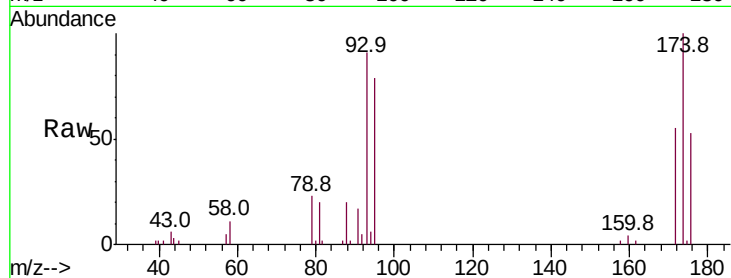
Tot Ion: 88 Resp: 12465

Ion Ratio Lower Upper

88 100

43 30.3 23.4 35.0

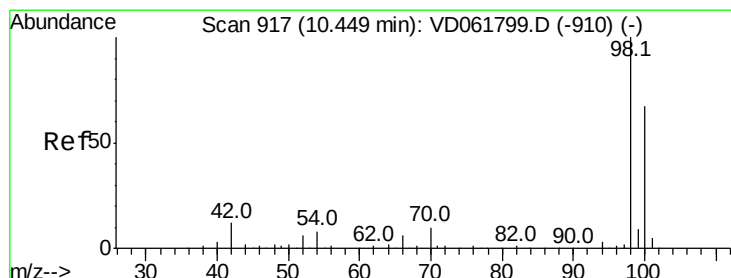
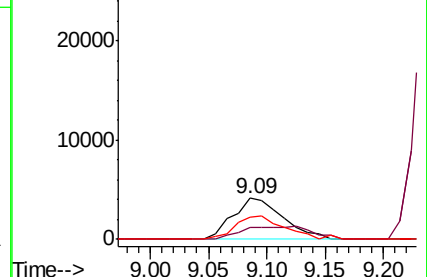
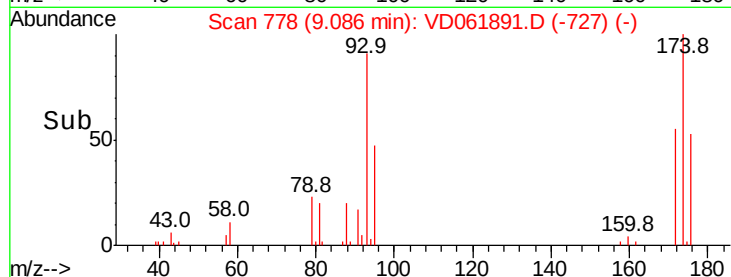
58 55.6 44.0 66.0



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: 474.989 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD061891.D

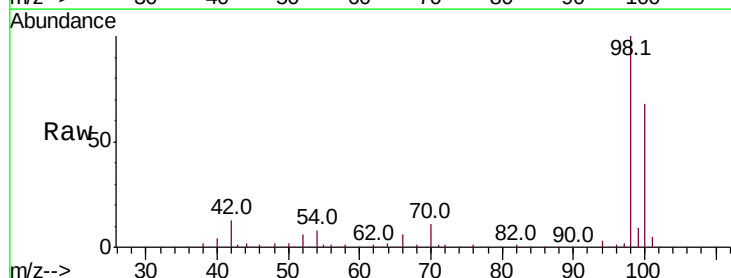
Acq: 19 Apr 2019 2:39

Tgt Ion: 98 Resp: 775906

Ion Ratio Lower Upper

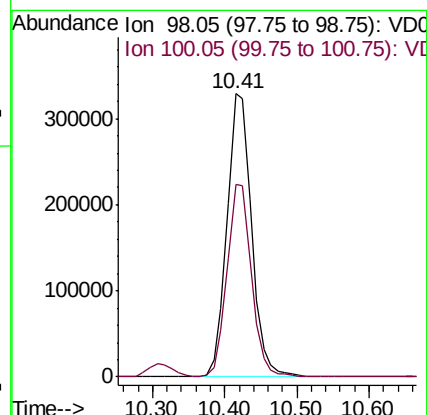
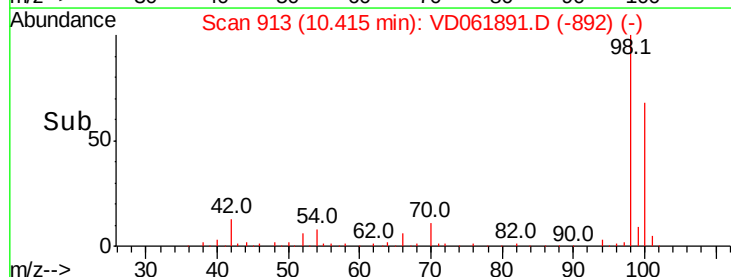
98 100

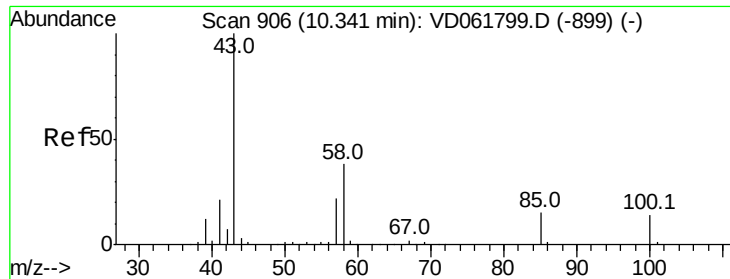
100 67.8 53.8 80.8



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: 115.998 ug/l

RT: 10.31 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD061891.D

Acq: 19 Apr 2019 2:39

Instrument :

MSVOA_D

ClientSampleId :

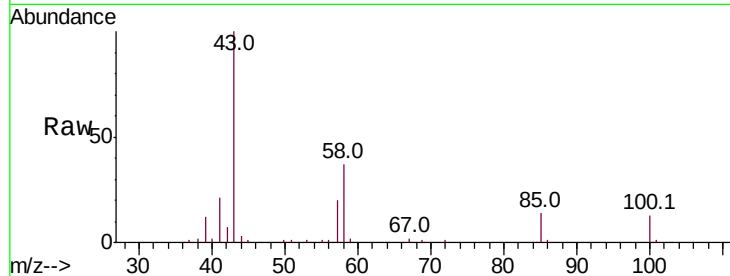
VD0418SBS02

Tot Ion: 43 Resp: 289745

Ion Ratio Lower Upper

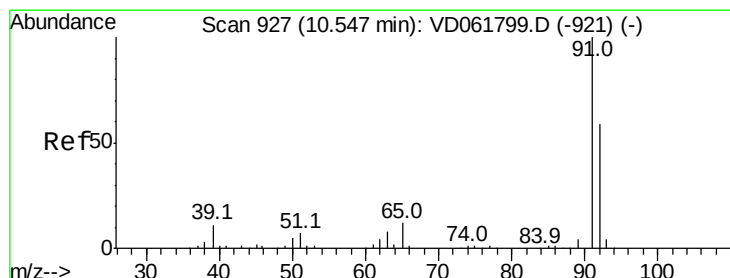
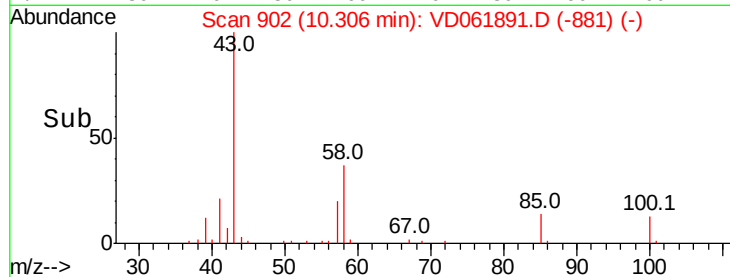
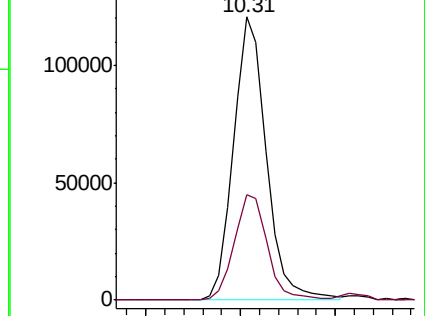
43 100

58 37.3 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.770 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.02 min

Lab File: VD061891.D

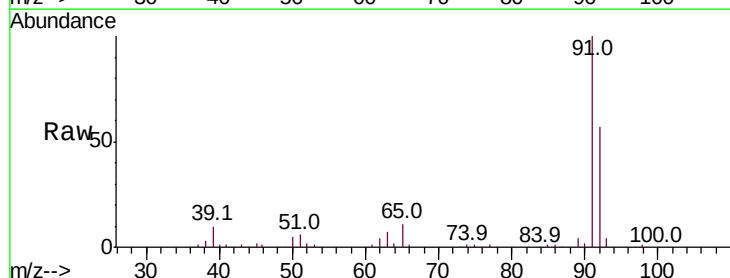
Acq: 19 Apr 2019 2:39

Tgt Ion: 92 Resp: 216704

Ion Ratio Lower Upper

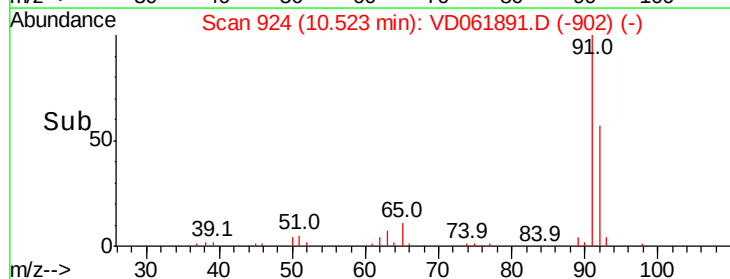
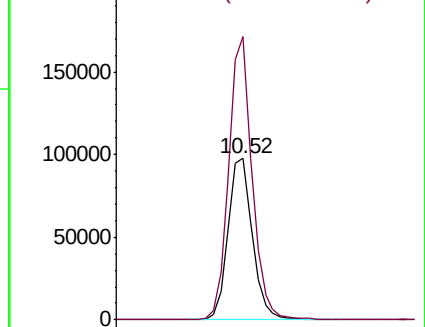
92 100

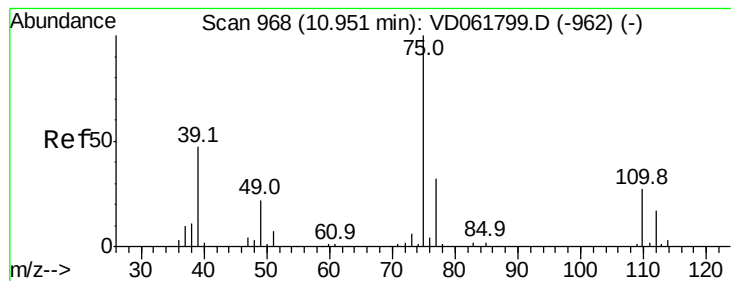
91 175.5 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 19.833 ug/l

RT: 10.93 min Scan# 965

Delta R.T. 0.02 min

Lab File: VD061891.D

Acq: 19 Apr 2019 2:39

Instrument :

MSVOA_D

ClientSampleId :

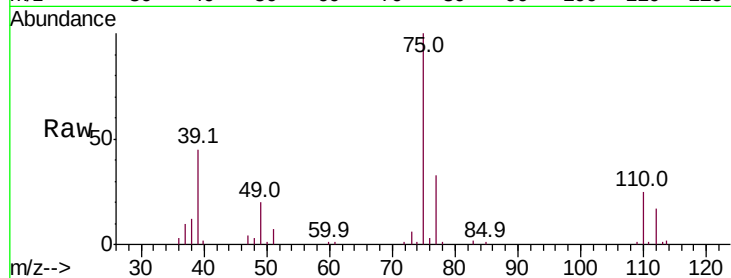
VD0418SBS02

Tot Ion: 75 Resp: 124585

Ion Ratio Lower Upper

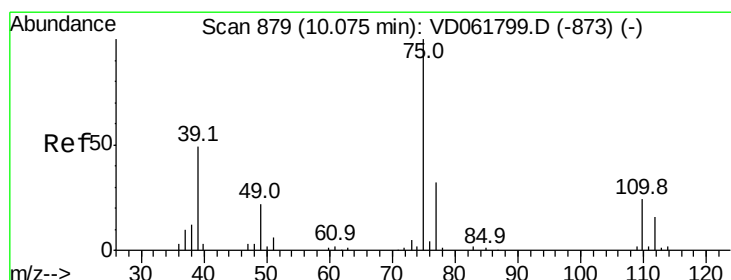
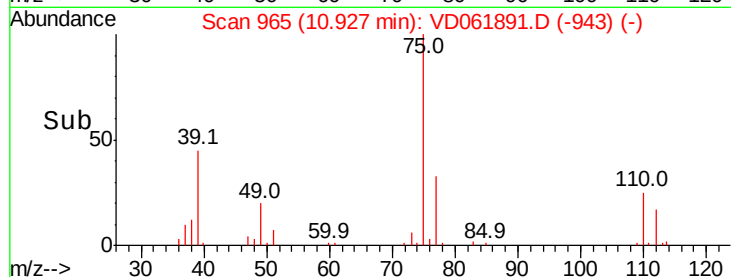
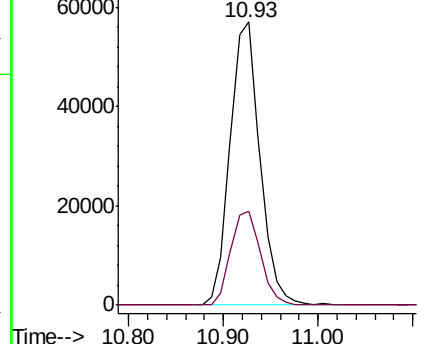
75 100

77 33.1 25.8 38.8



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: 20.945 ug/l

RT: 10.05 min Scan# 876

Delta R.T. 0.02 min

Lab File: VD061891.D

Acq: 19 Apr 2019 2:39

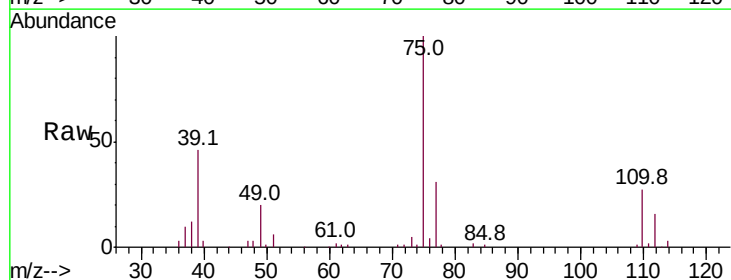
Tgt Ion: 75 Resp: 154445

Ion Ratio Lower Upper

75 100

77 30.5 25.5 38.3

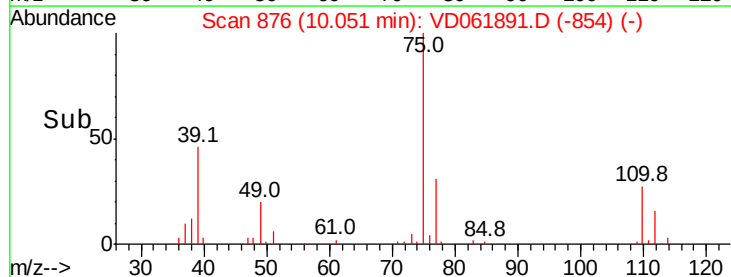
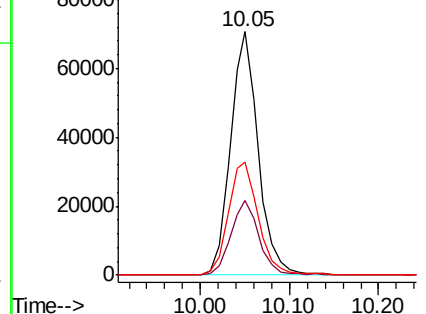
39 46.5 39.4 59.2

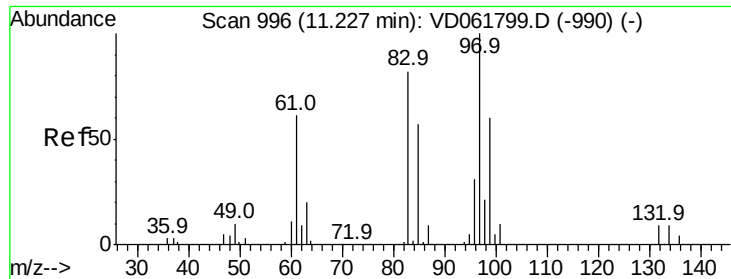


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

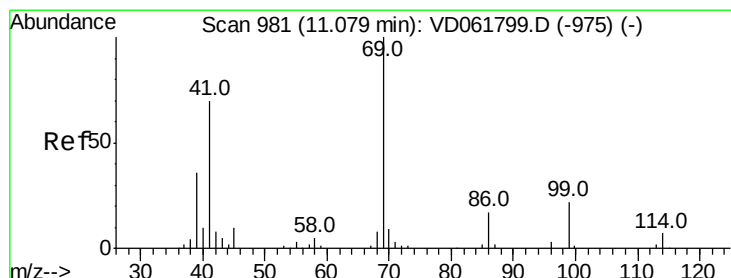
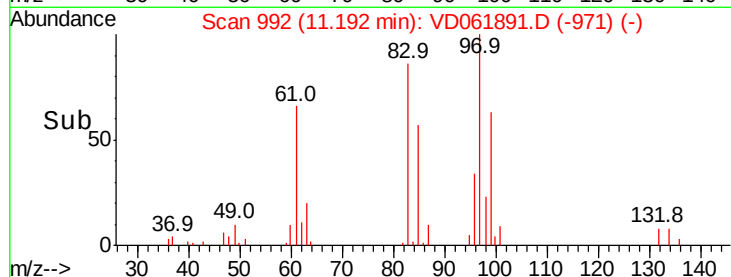
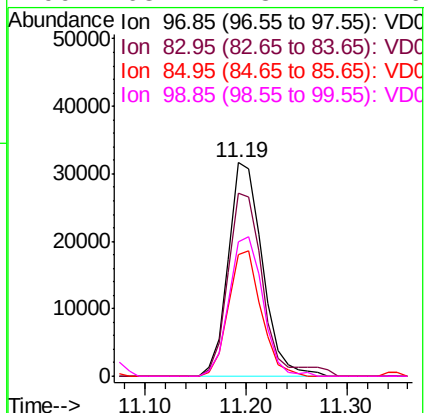
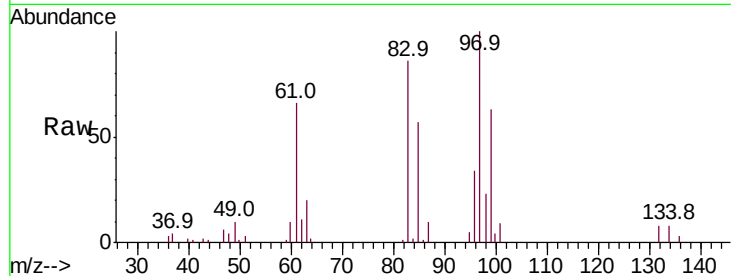




#55
 1,1,2-Trichloroethane
 Concen: 21.246 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.01 min
 Lab File: VD061891.D
 Acq: 19 Apr 2019 2:39

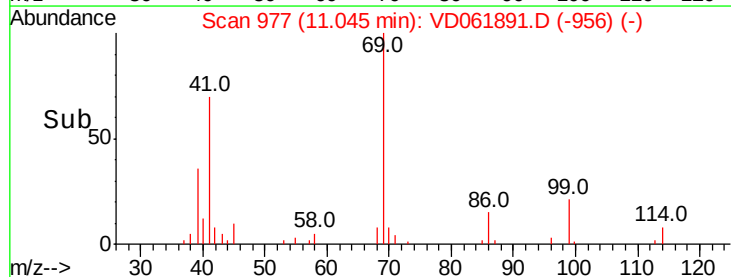
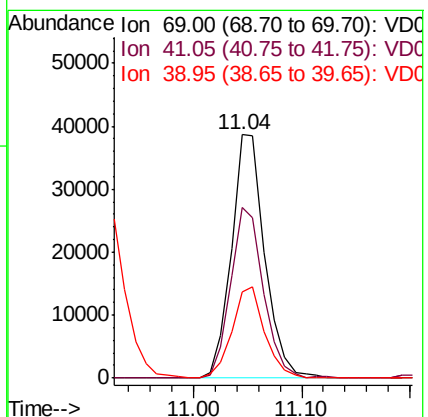
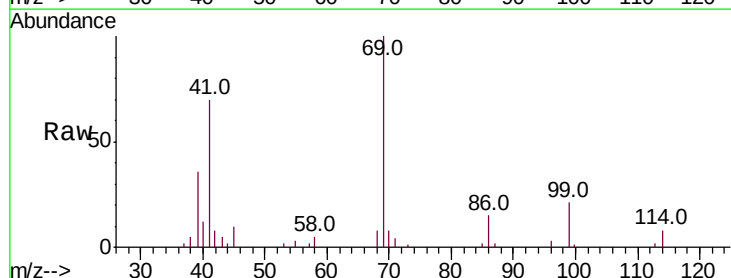
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS02

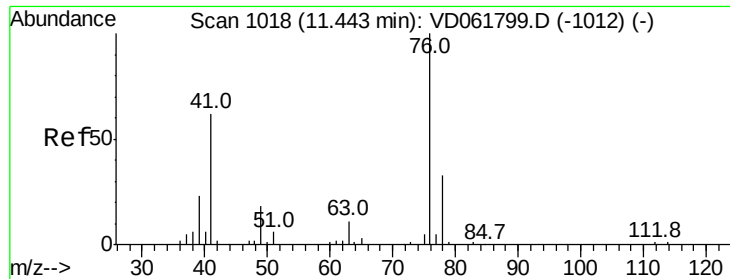
Tot Ion:	97	Resp:	74695
Ion	Ratio	Lower	Upper
97	100		
83	85.5	65.7	98.5
85	56.9	45.6	68.4
99	63.1	48.4	72.6



#56
 Ethyl methacrylate
 Concen: 21.410 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.01 min
 Lab File: VD061891.D
 Acq: 19 Apr 2019 2:39

Tgt Ion:	69	Resp:	82616
Ion	Ratio	Lower	Upper
69	100		
41	69.8	56.3	84.5
39	35.6	29.4	44.2

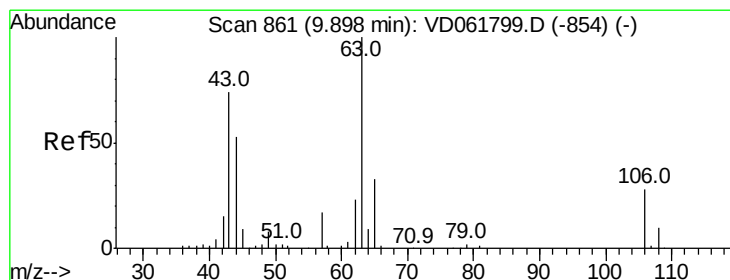
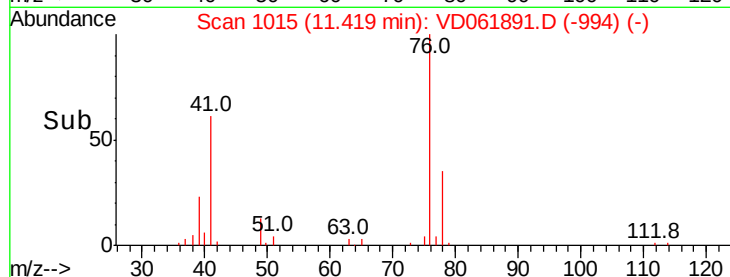
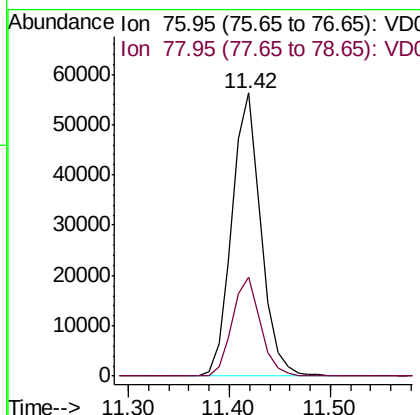
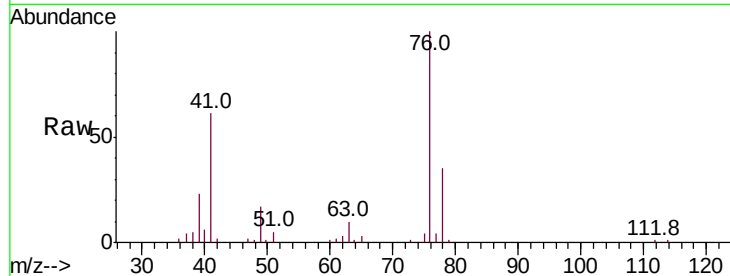




#57
 1,3-Dichloropropane
 Concen: 21.221 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. 0.01 min
 Lab File: VD061891.D
 Acq: 19 Apr 2019 2:39

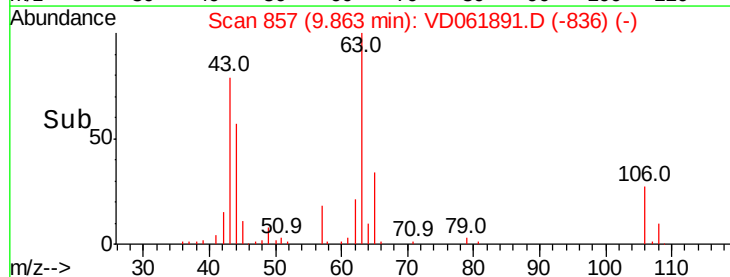
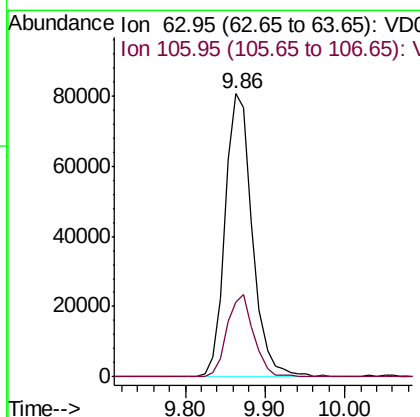
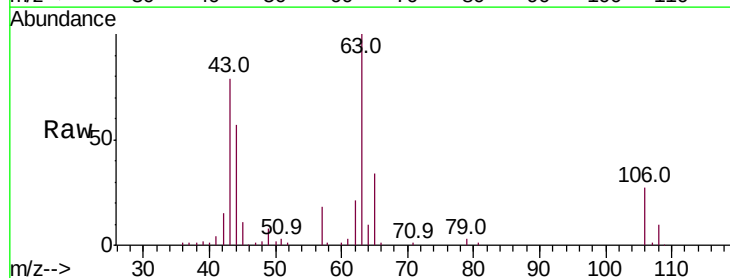
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS02

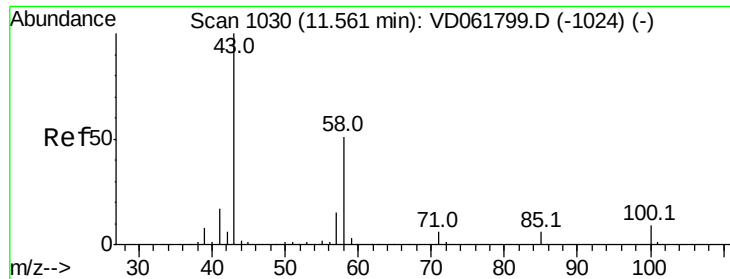
Tot Ion: 76 Resp: 112164
 Ion Ratio Lower Upper
 76 100
 78 35.0 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.288 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VD061891.D
 Acq: 19 Apr 2019 2:39

Tgt Ion: 63 Resp: 193241
 Ion Ratio Lower Upper
 63 100
 106 26.6 22.6 34.0





#59

2-Hexanone

Concen: 111.623 ug/l

RT: 11.54 min Scan# 1027

Delta R.T. 0.01 min

Lab File: VD061891.D

Acq: 19 Apr 2019 2:39

Instrument :

MSVOA_D

ClientSampleId :

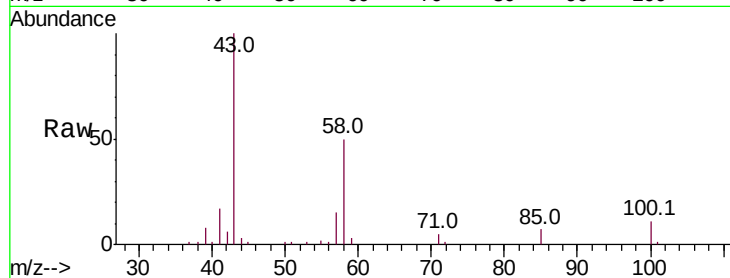
VD0418SBS02

Tot Ion: 43 Resp: 207085

Ion Ratio Lower Upper

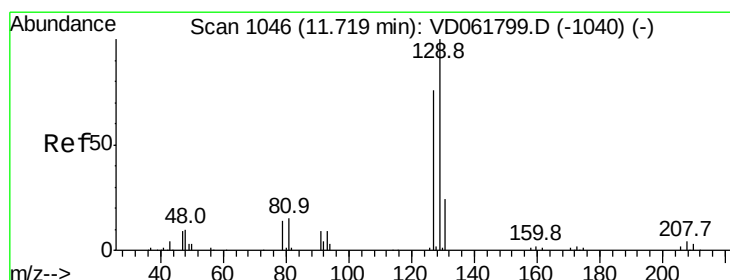
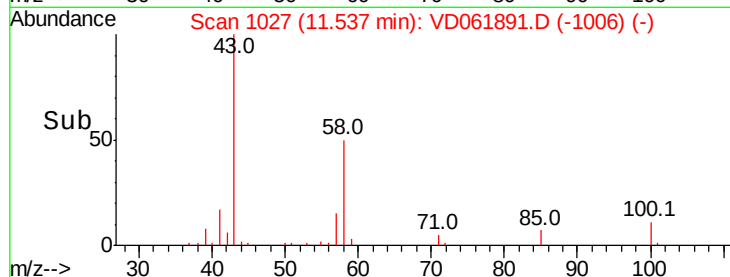
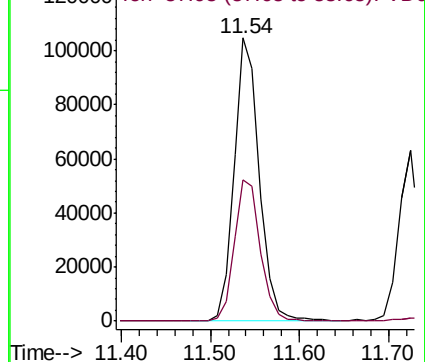
43 100

58 49.8 25.4 76.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 22.621 ug/l

RT: 11.69 min Scan# 1043

Delta R.T. 0.01 min

Lab File: VD061891.D

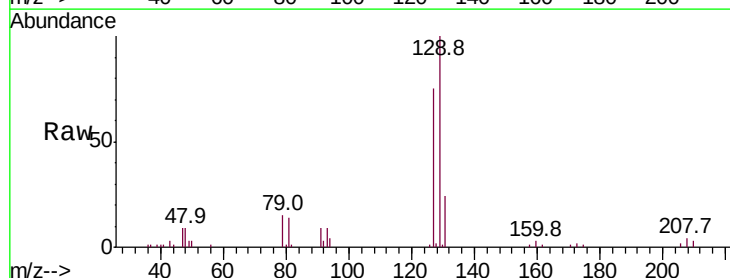
Acq: 19 Apr 2019 2:39

Tgt Ion: 129 Resp: 130132

Ion Ratio Lower Upper

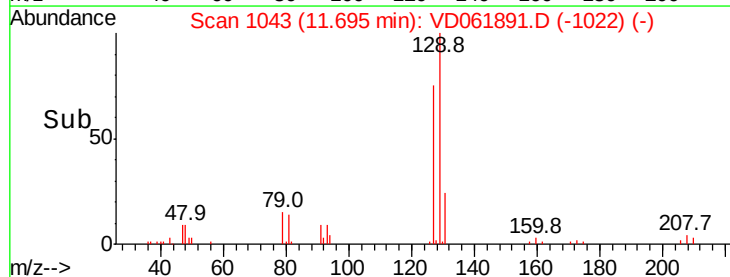
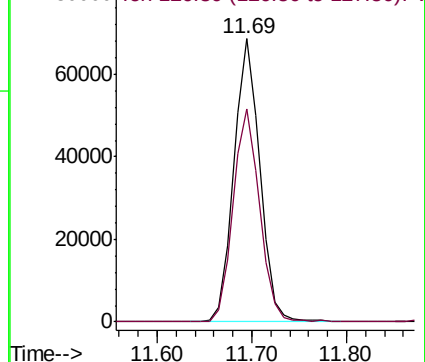
129 100

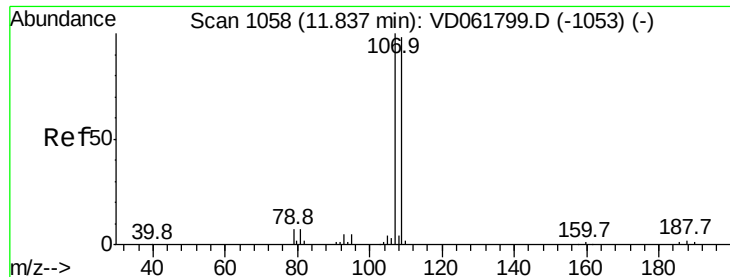
127 75.5 38.0 113.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

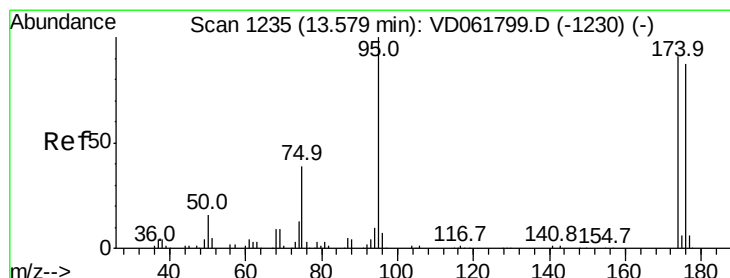
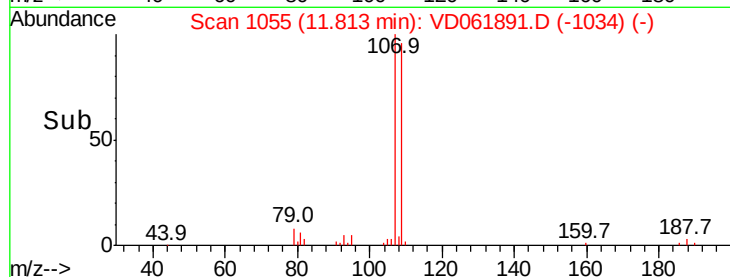
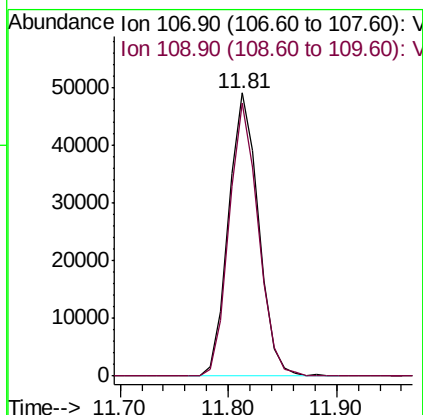
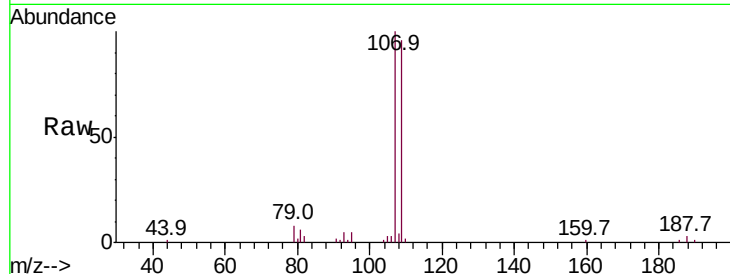




#61
 1,2-Dibromoethane
 Concen: 21.783 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD061891.D
 Acq: 19 Apr 2019 2:39

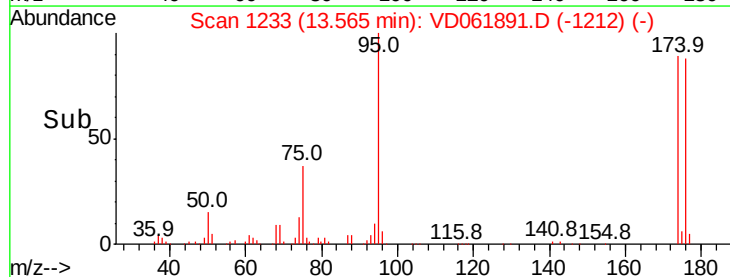
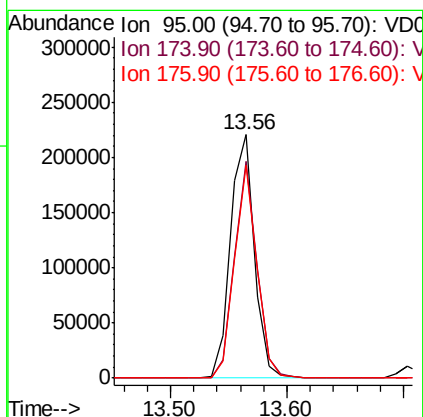
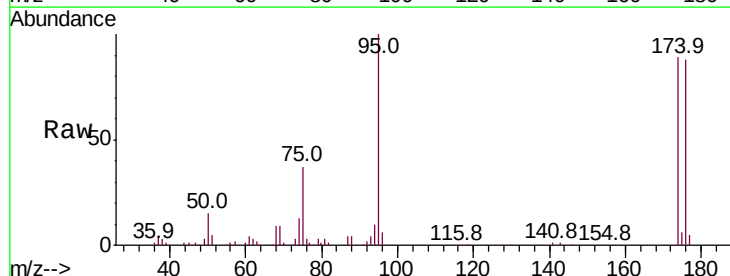
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS02

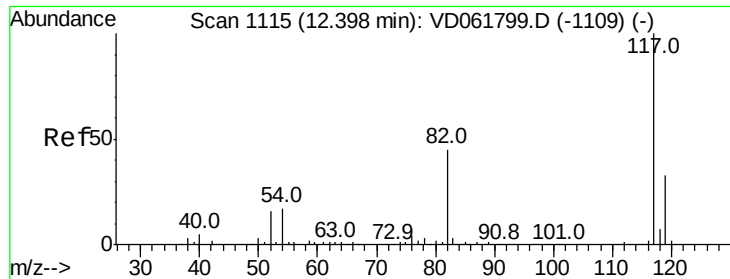
Tot Ion:107 Resp: 94166
 Ion Ratio Lower Upper
 107 100
 109 96.3 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 21.783 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD061891.D
 Acq: 19 Apr 2019 2:39

Tgt Ion: 95 Resp: 312689
 Ion Ratio Lower Upper
 95 100
 174 89.3 0.0 181.8
 176 87.6 0.0 174.4

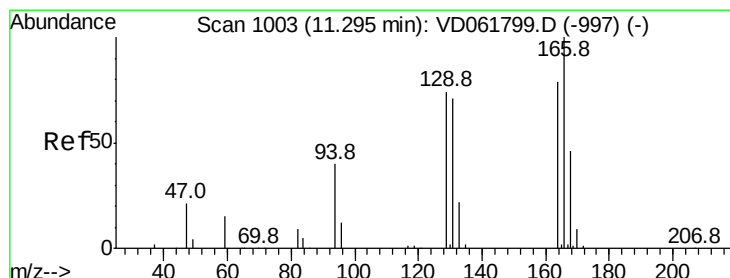
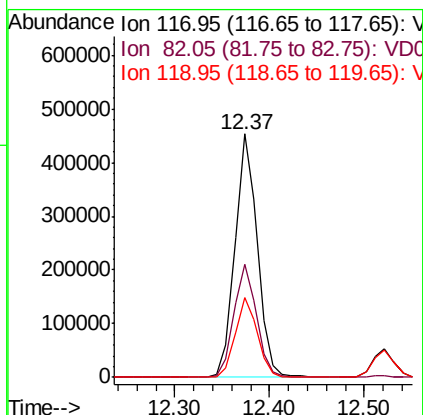
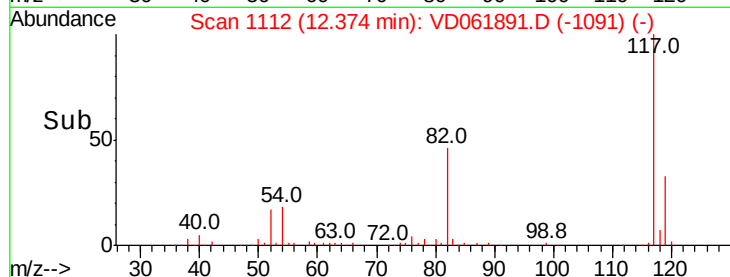
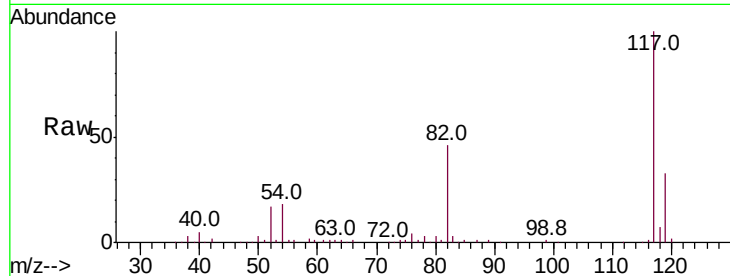




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061891.D
Acq: 19 Apr 2019 2:39

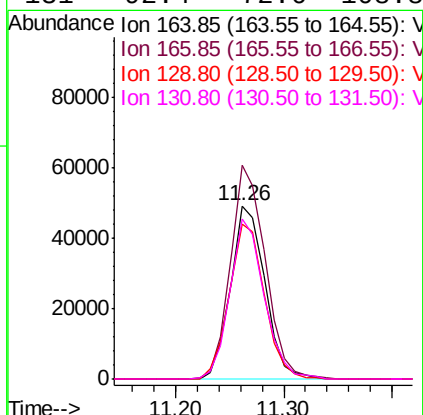
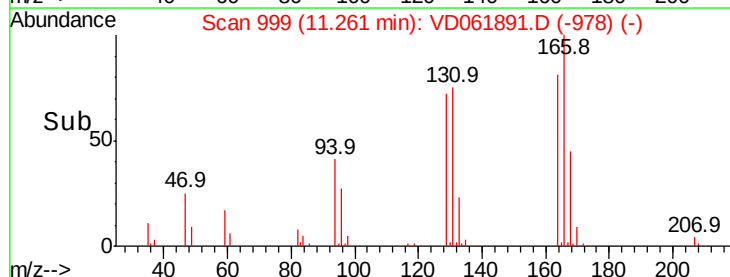
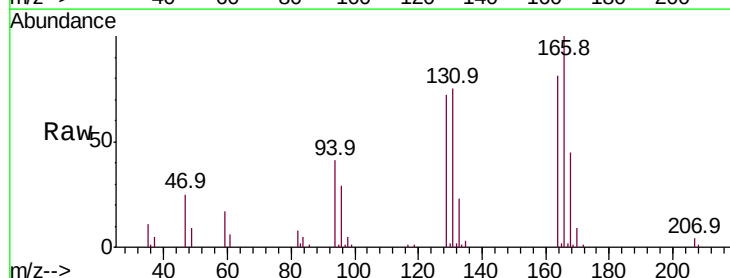
Instrument :
MSVOA_D
ClientSampleId :
VD0418SBS02

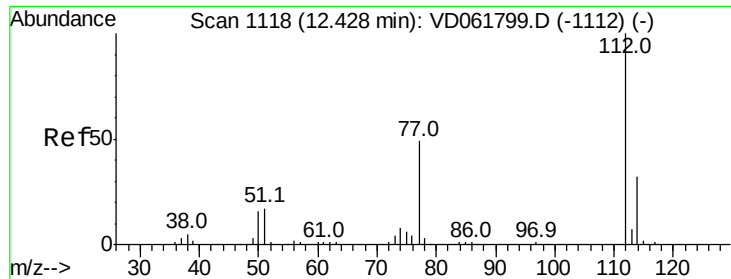
Tot Ion:117 Resp: 739624
Ion Ratio Lower Upper
117 100
82 46.3 36.2 54.2
119 32.8 26.2 39.4



#64
Tetrachloroethene
Concen: 19.549 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.01 min
Lab File: VD061891.D
Acq: 19 Apr 2019 2:39

Tgt Ion:164 Resp: 108436
Ion Ratio Lower Upper
164 100
166 123.2 101.5 152.3
129 89.0 74.6 112.0
131 92.4 72.6 108.8

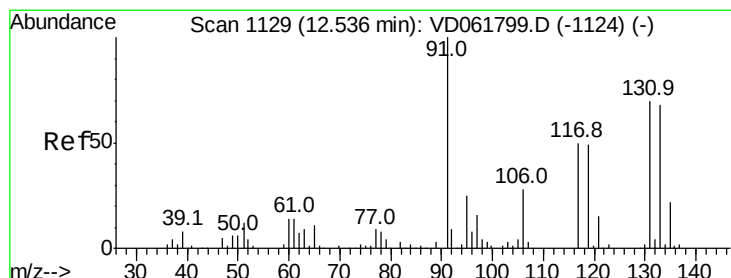
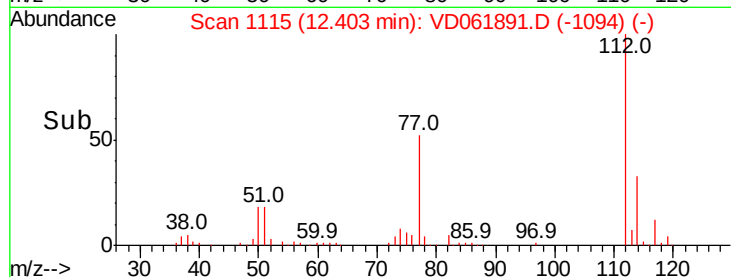
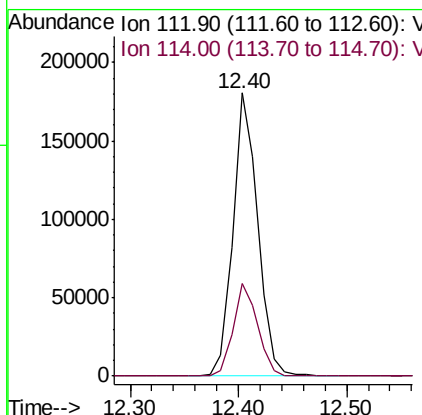
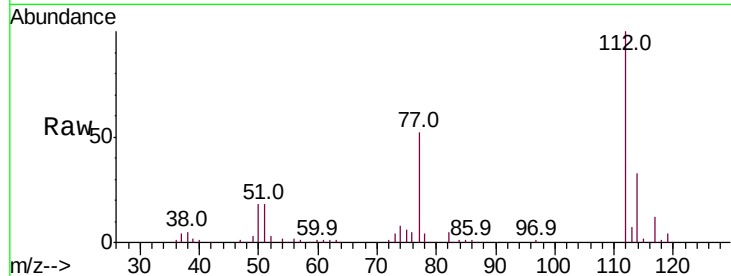




#65
Chlorobenzene
Concen: 20.800 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD061891.D
Acq: 19 Apr 2019 2:39

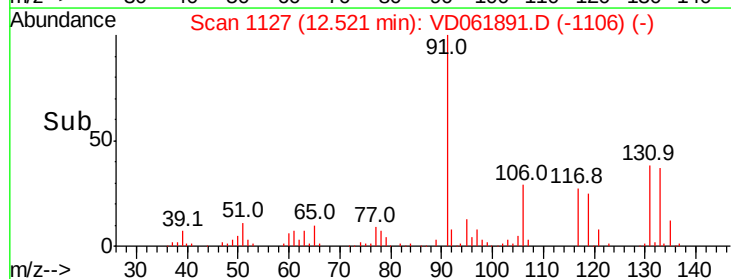
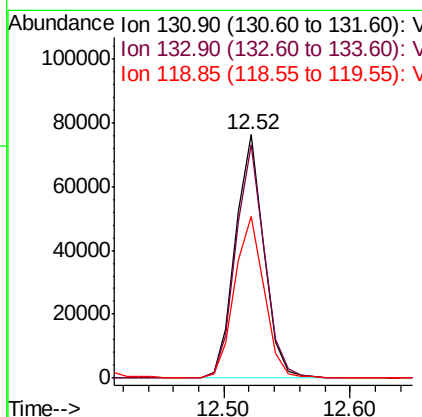
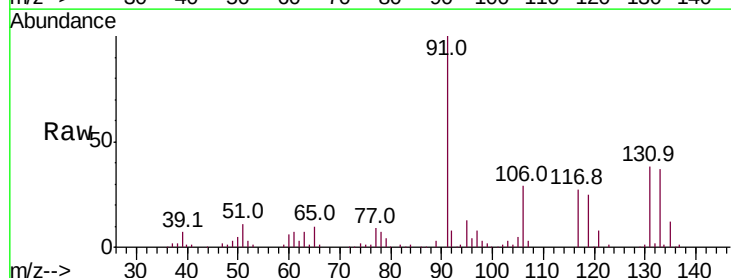
Instrument :
MSVOA_D
ClientSampleId :
VD0418SBS02

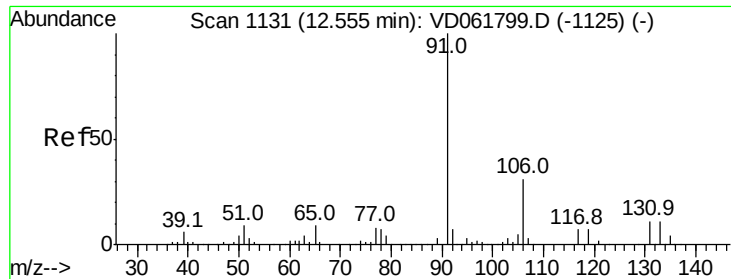
Tot Ion:112 Resp: 286504
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.551 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD061891.D
Acq: 19 Apr 2019 2:39

Tgt Ion:131 Resp: 118630
Ion Ratio Lower Upper
131 100
133 96.0 48.6 145.8
119 66.3 34.7 104.1

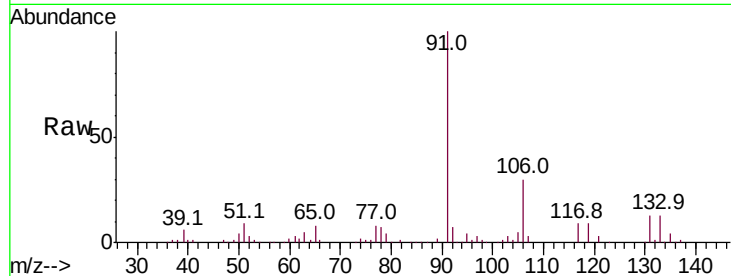




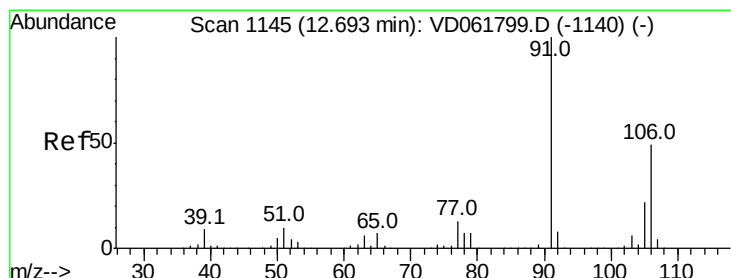
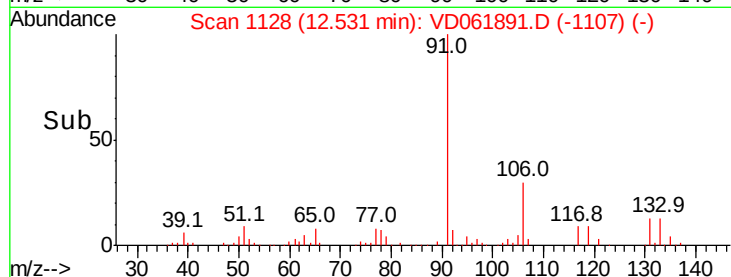
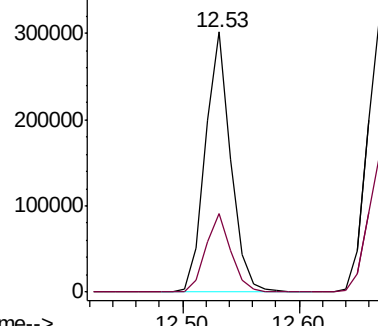
#67
Ethyl Benzene
Concen: 20.543 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061891.D
Acq: 19 Apr 2019 2:39

Instrument :
MSVOA_D
ClientSampleId :
VD0418SBS02

Tot Ion: 91 Resp: 453151
Ion Ratio Lower Upper
91 100
106 30.4 24.7 37.1

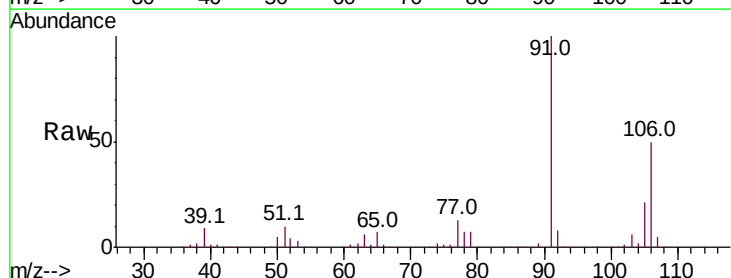


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

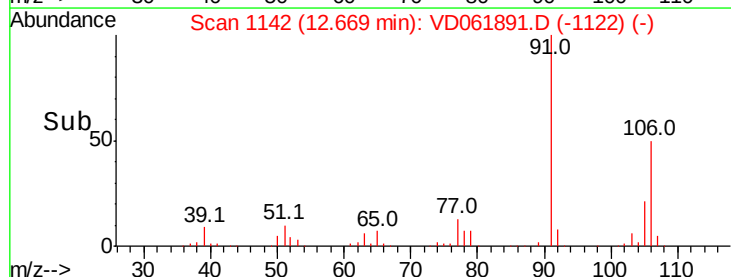
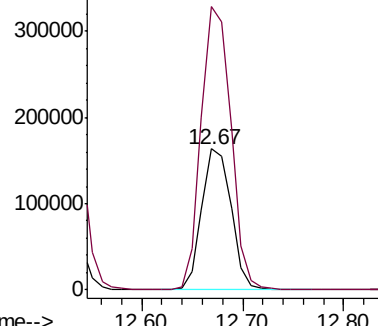


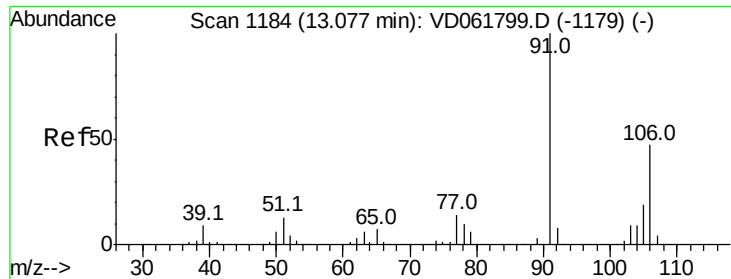
#68
m/p-Xylenes
Concen: 40.173 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD061891.D
Acq: 19 Apr 2019 2:39

Tgt Ion: 106 Resp: 332867
Ion Ratio Lower Upper
106 100
91 200.5 164.0 246.0



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

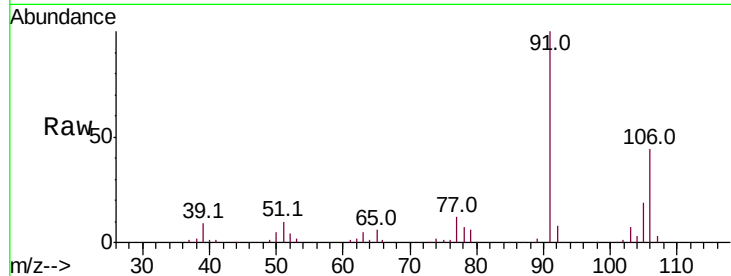




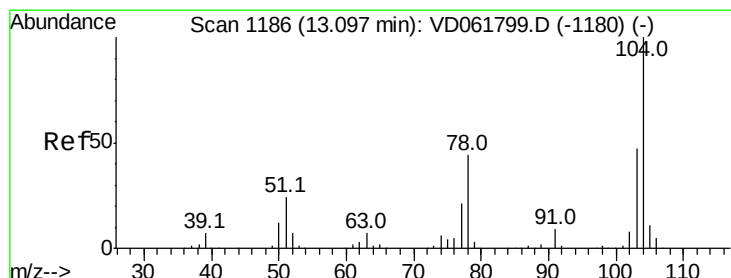
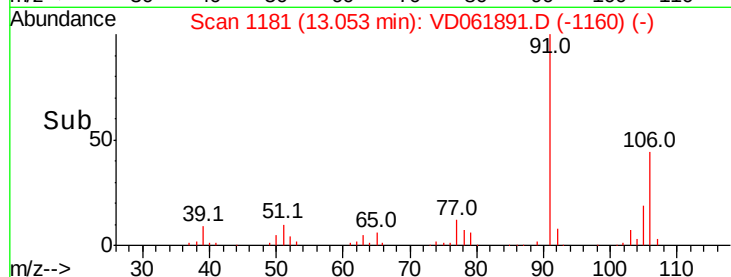
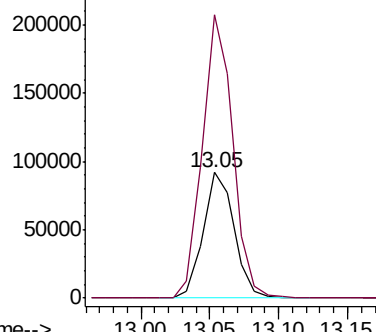
#69
o-Xylene
Concen: 18.501 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD061891.D
Acq: 19 Apr 2019 2:39

Instrument :
MSVOA_D
ClientSampleId :
VD0418SBS02

Tot Ion:106 Resp: 144088
Ion Ratio Lower Upper
106 100
91 225.0 106.7 319.9

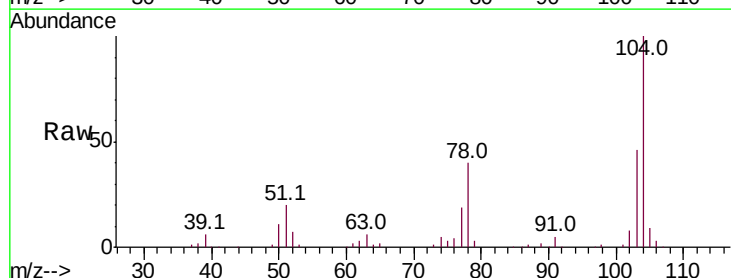


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

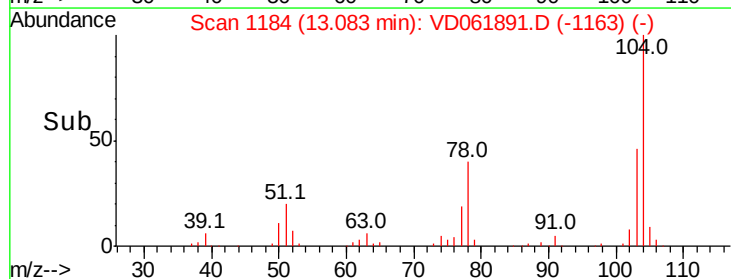
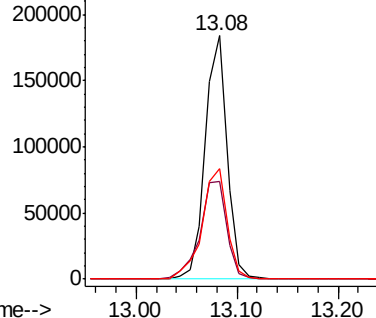


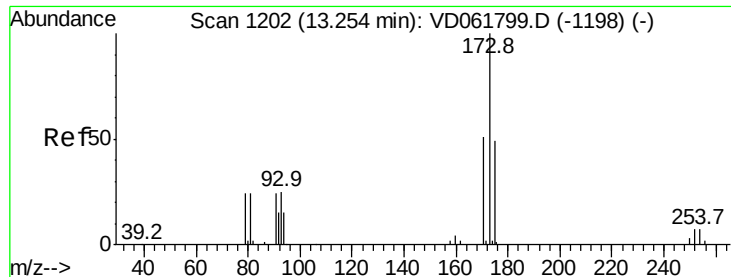
#70
Styrene
Concen: 20.523 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD061891.D
Acq: 19 Apr 2019 2:39

Tgt Ion:104 Resp: 275056
Ion Ratio Lower Upper
104 100
78 40.0 35.4 53.2
103 45.6 37.5 56.3



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





#71

Bromoform

Concen: 20.464 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD061891.D

Acq: 19 Apr 2019 2:39

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS02

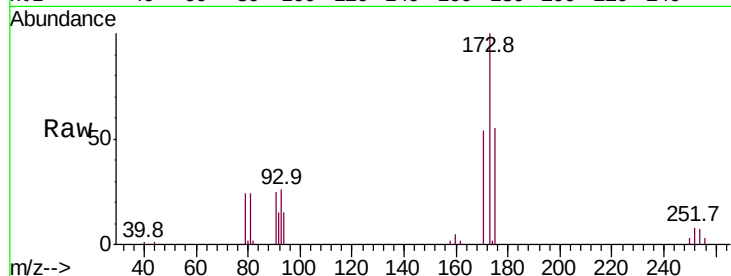
Tot Ion:173 Resp: 70118

Ion Ratio Lower Upper

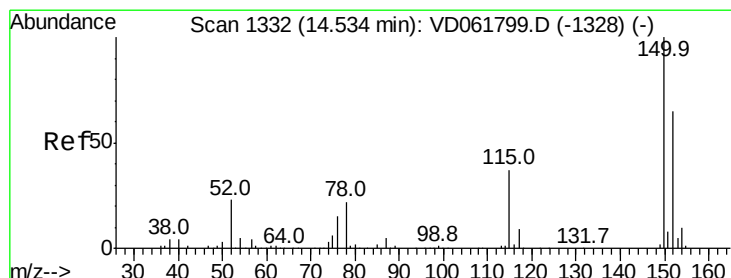
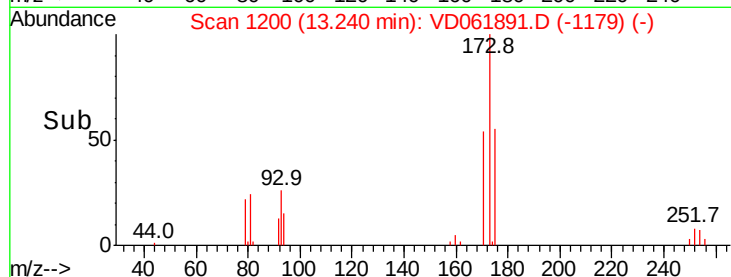
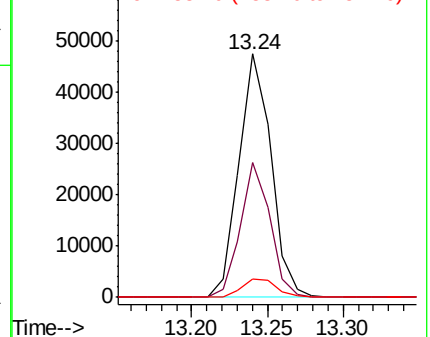
173 100

175 55.2 24.4 73.4

254 7.3 5.4 8.2



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: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD061891.D

Acq: 19 Apr 2019 2:39

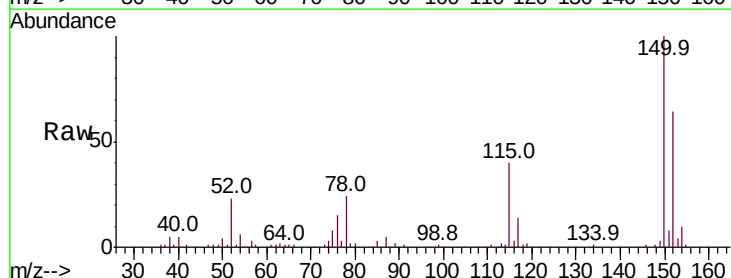
Tgt Ion:152 Resp: 321539

Ion Ratio Lower Upper

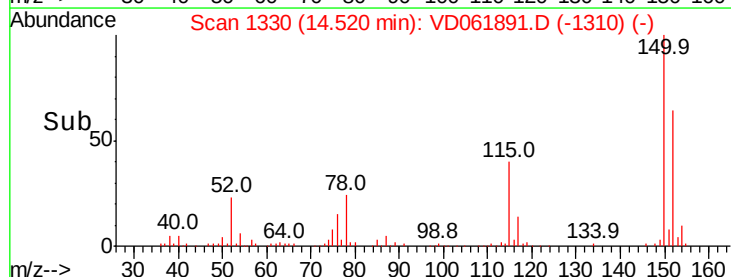
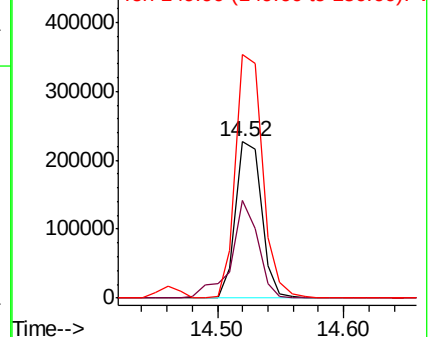
152 100

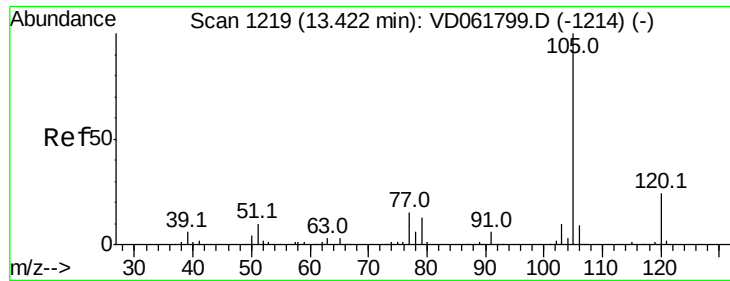
115 62.4 30.9 92.7

150 155.7 0.0 314.8



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: 21.607 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD061891.D

Acq: 19 Apr 2019 2:39

Instrument :

MSVOA_D

ClientSampleId :

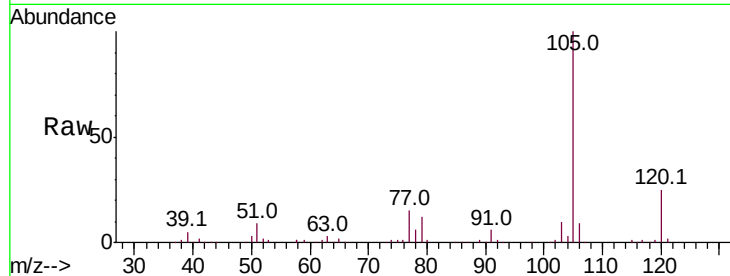
VD0418SBS02

Tot Ion:105 Resp: 450573

Ion Ratio Lower Upper

105 100

120 24.9 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

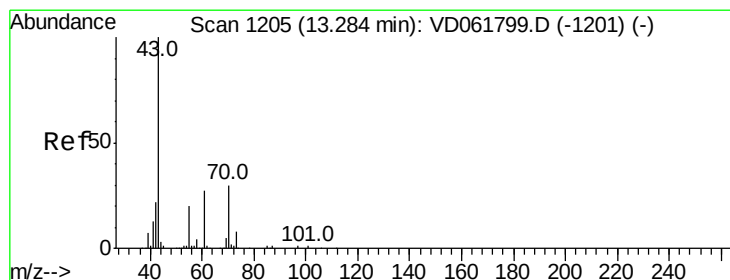
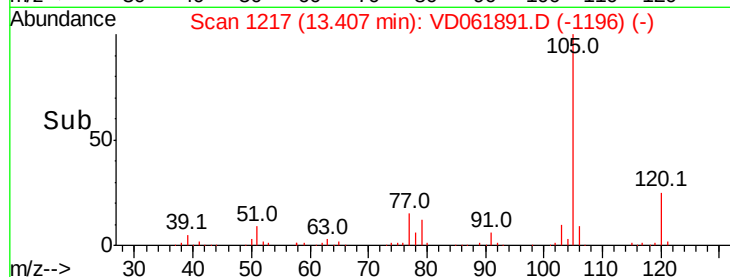
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 20.467 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD061891.D

Acq: 19 Apr 2019 2:39

Tgt Ion: 43 Resp: 114765

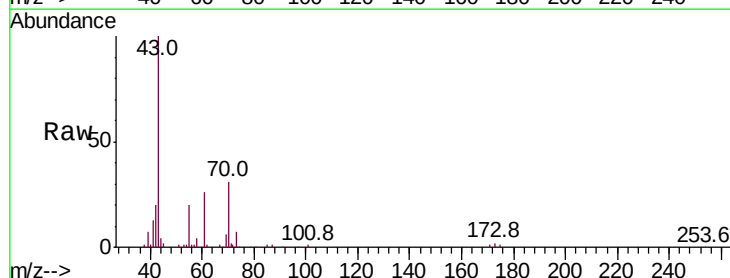
Ion Ratio Lower Upper

43 100

70 30.8 24.2 36.4

55 20.5 16.0 24.0

61 25.8 21.6 32.4



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

120000

100000

80000

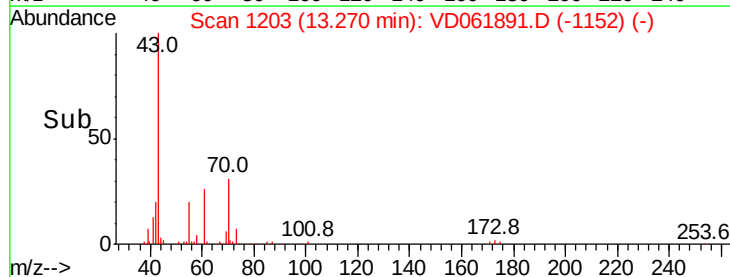
60000

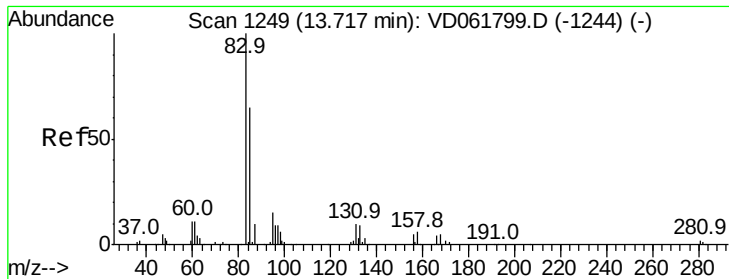
40000

20000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 22.010 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD061891.D

Acq: 19 Apr 2019 2:39

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS02

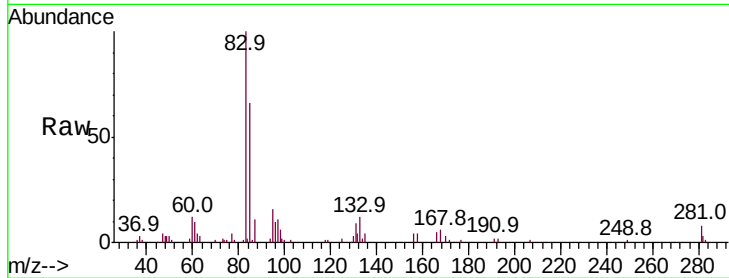
Tot Ion: 83 Resp: 90725

Ion Ratio Lower Upper

83 100

131 9.3 5.0 14.9

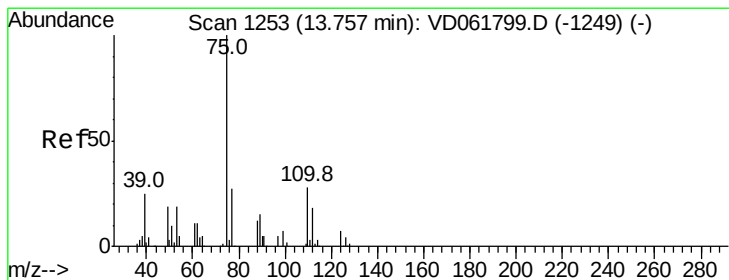
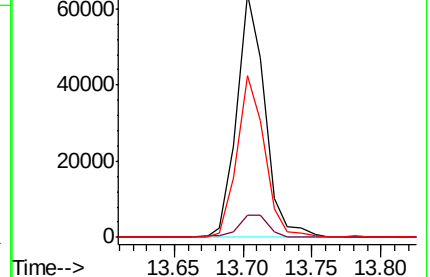
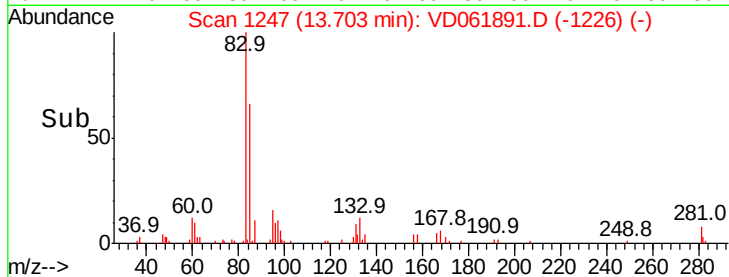
85 66.2 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.818 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD061891.D

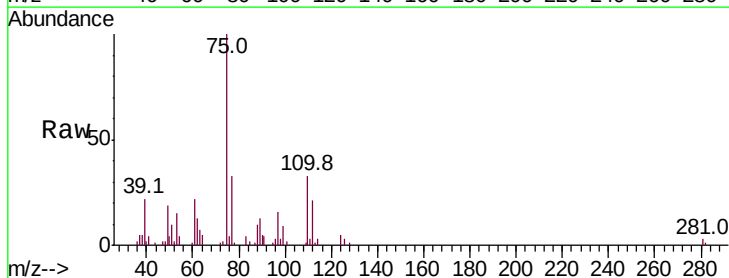
Acq: 19 Apr 2019 2:39

Tgt Ion: 75 Resp: 92129

Ion Ratio Lower Upper

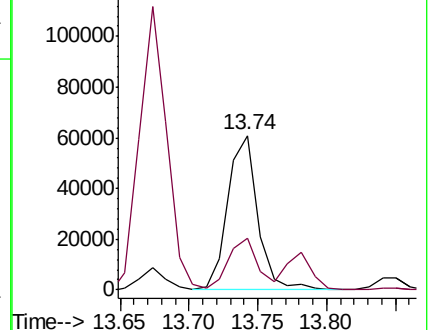
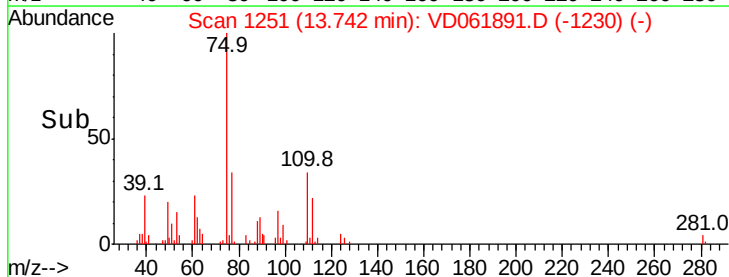
75 100

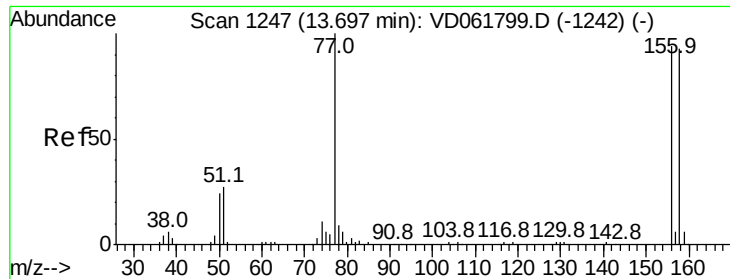
77 33.4 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.748 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD061891.D

Acq: 19 Apr 2019 2:39

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS02

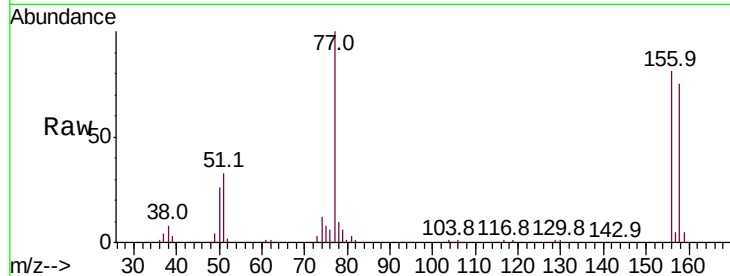
Tot Ion:156 Resp: 122903

Ion Ratio Lower Upper

156 100

77 124.2 53.1 159.4

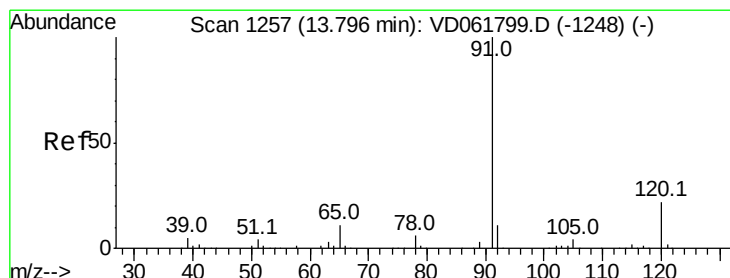
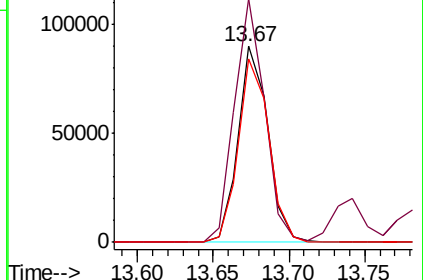
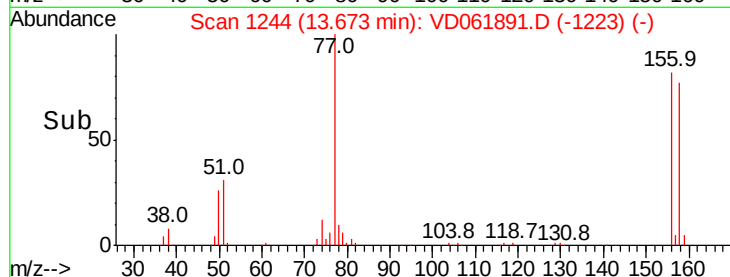
158 93.7 49.4 148.0



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: 21.606 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061891.D

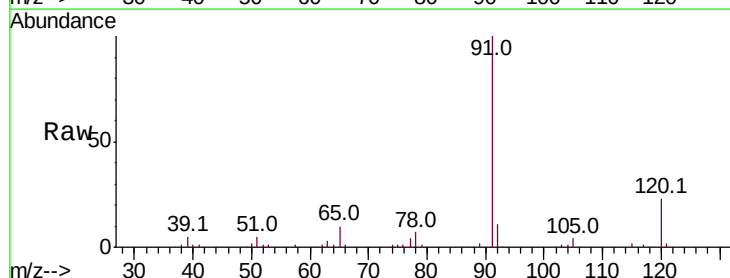
Acq: 19 Apr 2019 2:39

Tgt Ion: 91 Resp: 520535

Ion Ratio Lower Upper

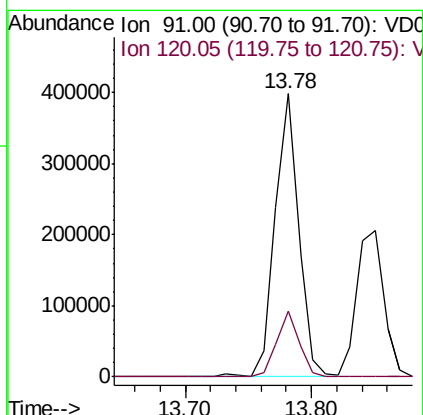
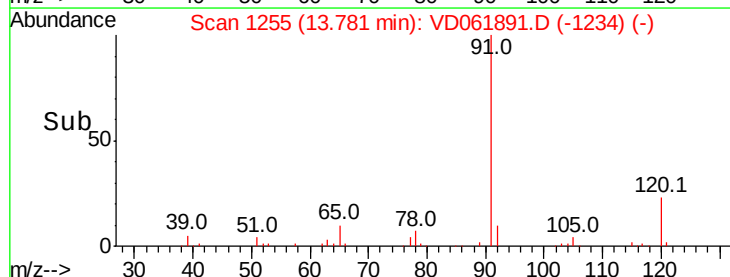
91 100

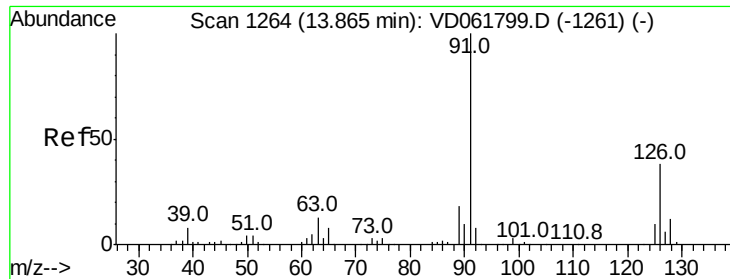
120 23.3 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

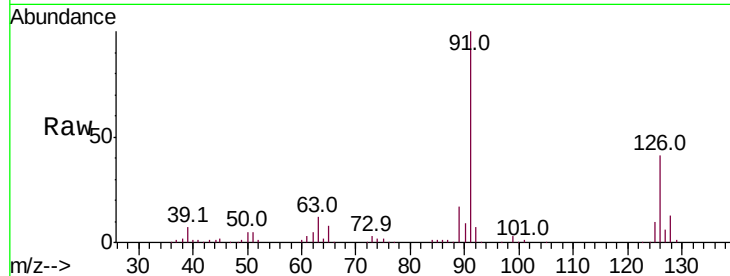




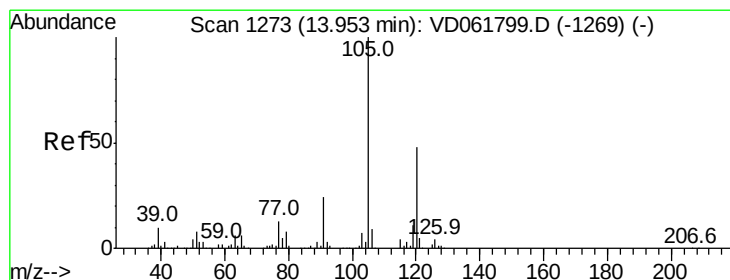
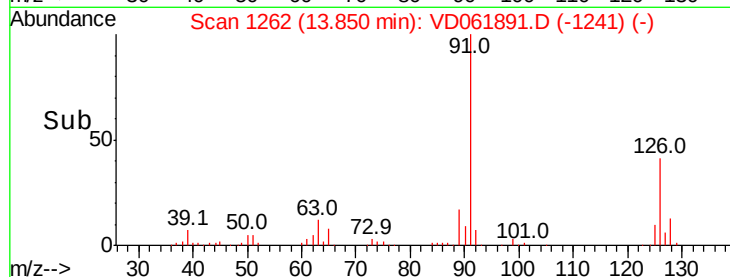
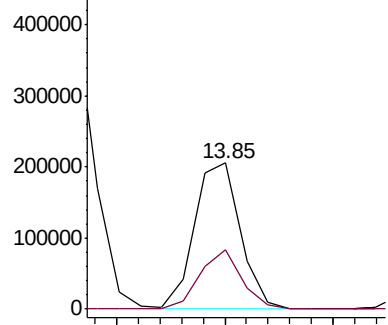
#79
 2-Chlorotoluene
 Concen: 21.688 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD061891.D
 Acq: 19 Apr 2019 2:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS02

Tot Ion: 91 Resp: 305234
 Ion Ratio Lower Upper
 91 100
 126 40.7 18.6 55.8

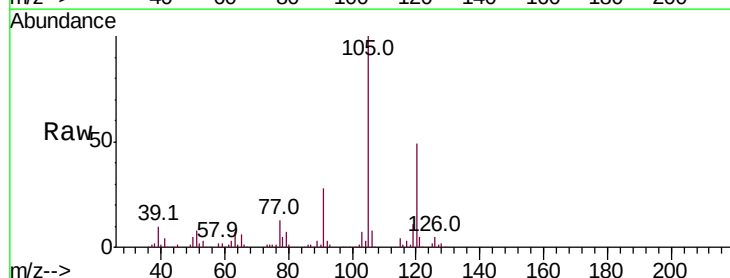


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

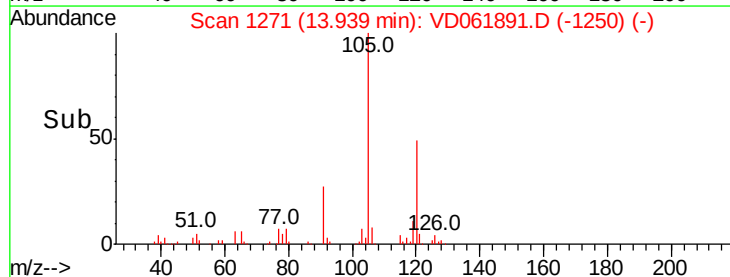
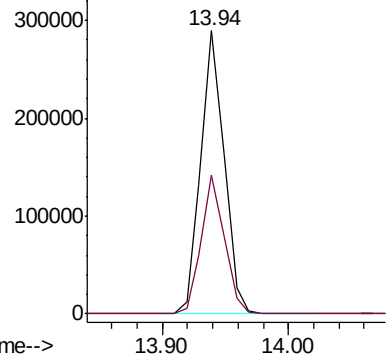


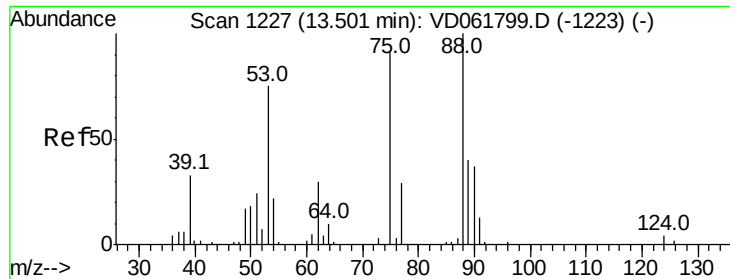
#80
 1,3,5-Trimethylbenzene
 Concen: 22.406 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD061891.D
 Acq: 19 Apr 2019 2:39

Tgt Ion:105 Resp: 370721
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.0 72.0



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: 18.465 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD061891.D

Acq: 19 Apr 2019 2:39

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS02

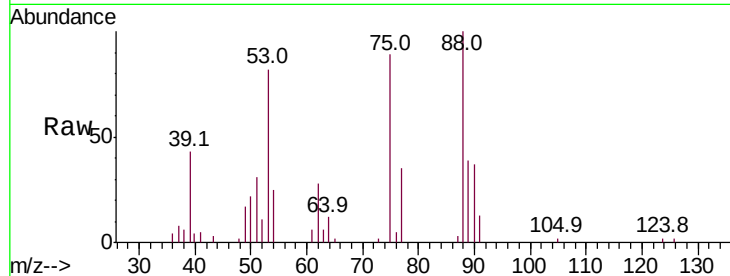
Tot Ion: 75 Resp: 22200

Ion Ratio Lower Upper

75 100

53 91.4 65.8 98.8

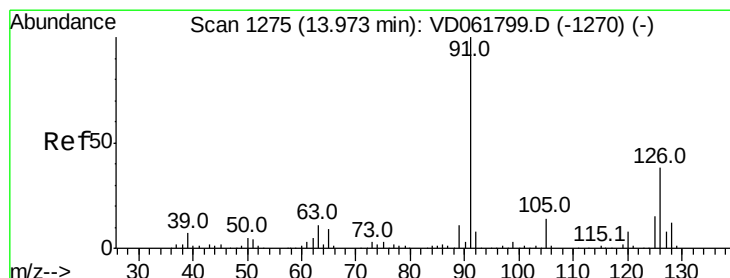
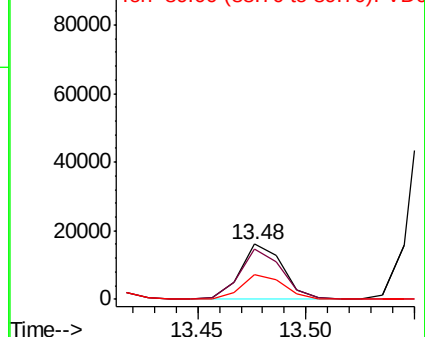
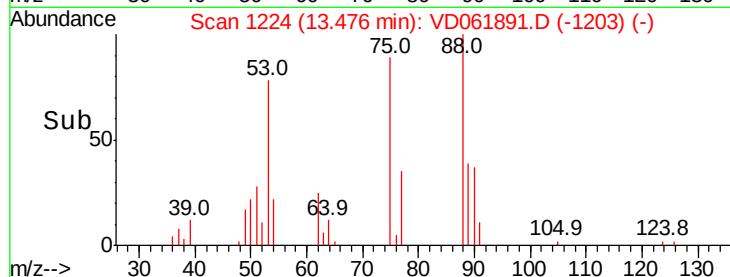
89 43.6 35.0 52.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 21.580 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD061891.D

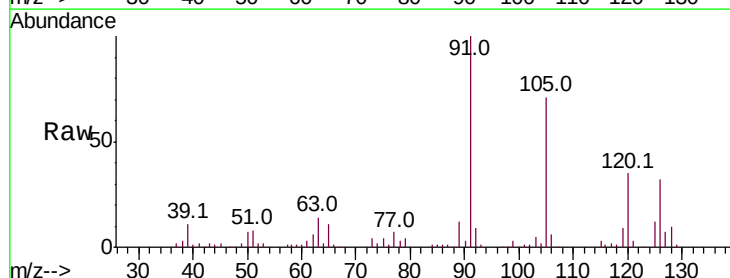
Acq: 19 Apr 2019 2:39

Tgt Ion: 91 Resp: 347640

Ion Ratio Lower Upper

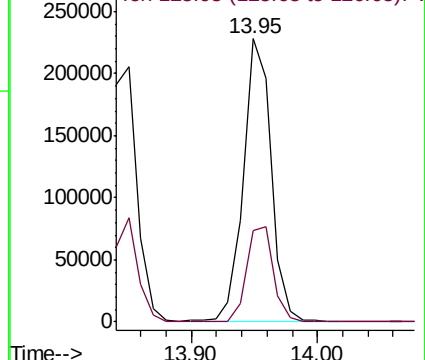
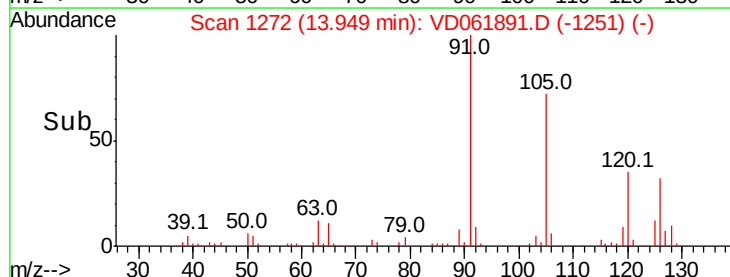
91 100

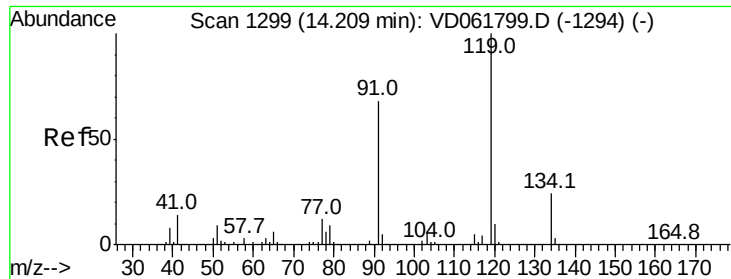
126 32.1 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

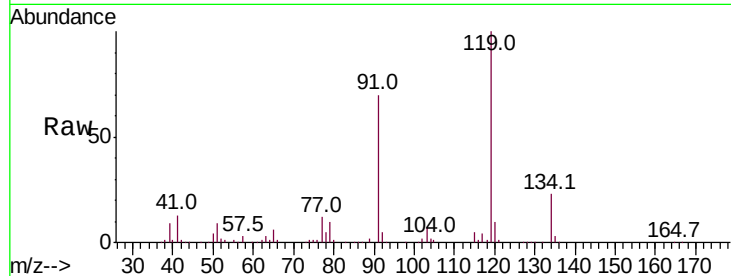




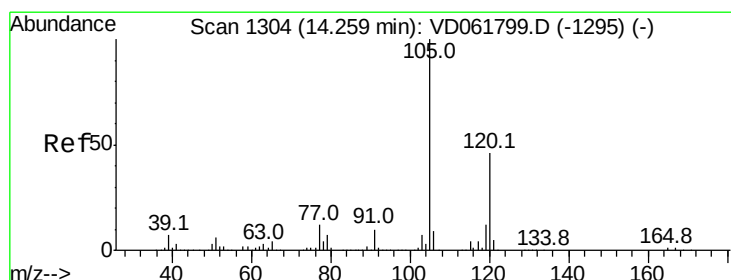
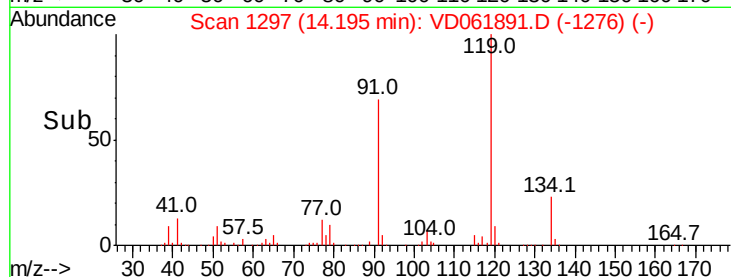
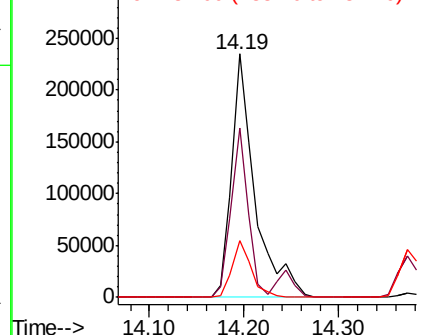
#83
 tert-Butylbenzene
 Concen: 20.693 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.01 min
 Lab File: VD061891.D
 Acq: 19 Apr 2019 2:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS02

Tot Ion:119 Resp: 402025
 Ion Ratio Lower Upper
 119 100
 91 69.6 34.2 102.6
 134 23.4 12.0 36.0

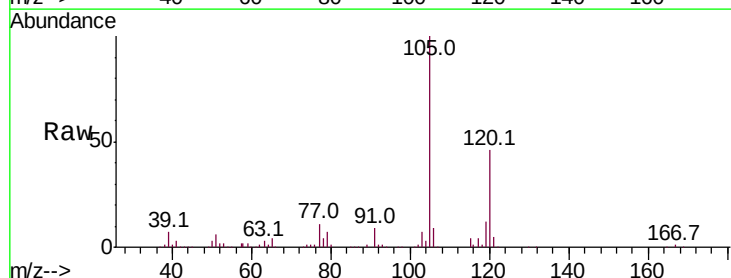


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

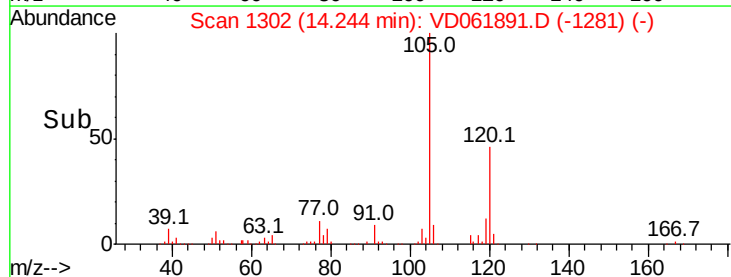
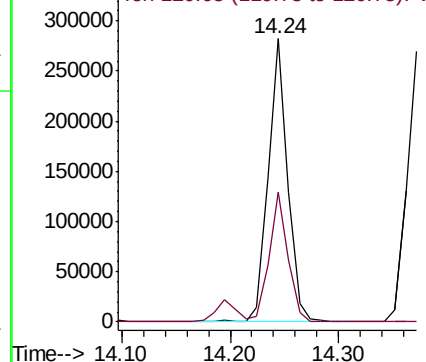


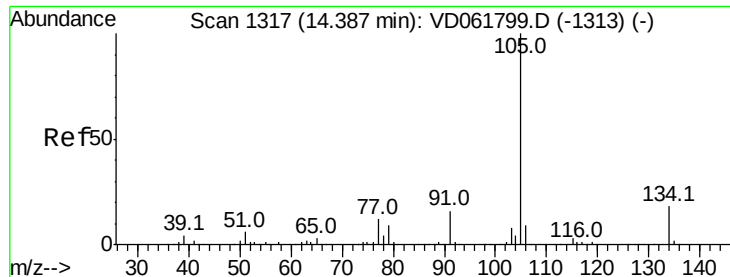
#84
 1,2,4-Trimethylbenzene
 Concen: 21.142 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD061891.D
 Acq: 19 Apr 2019 2:39

Tgt Ion:105 Resp: 351626
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.1 69.2



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

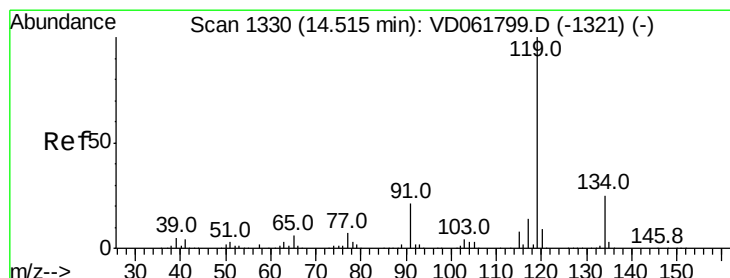
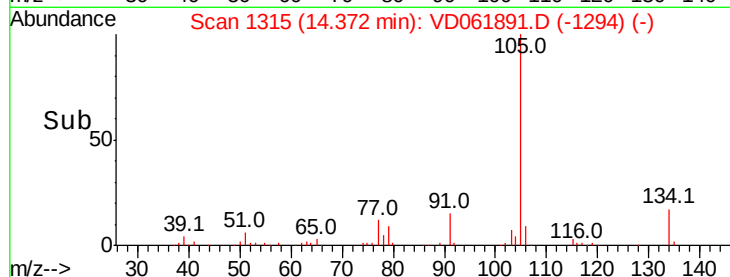
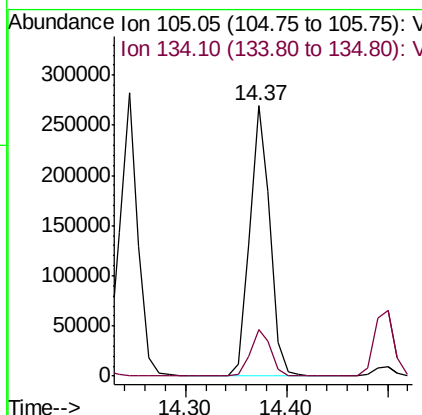
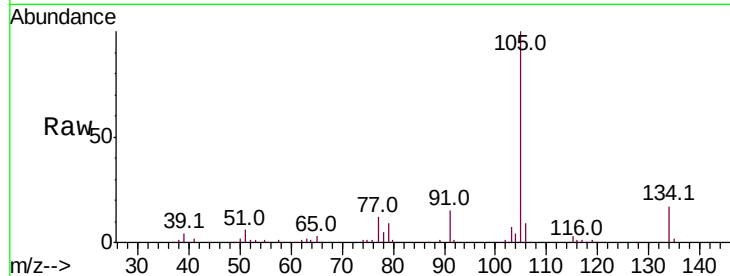




#85
 sec-Butylbenzene
 Concen: 18.824 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.01 min
 Lab File: VD061891.D
 Acq: 19 Apr 2019 2:39

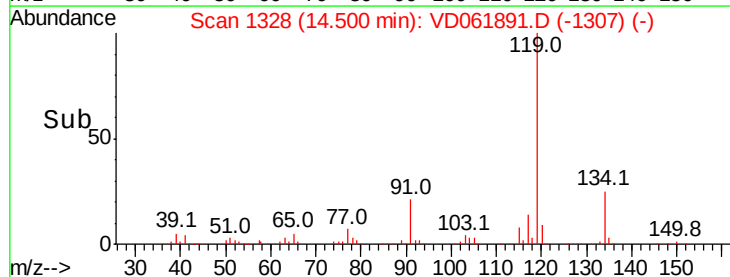
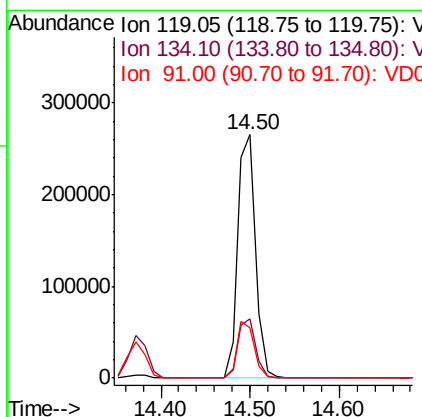
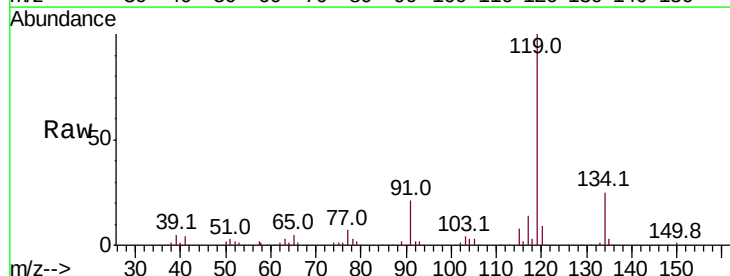
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS02

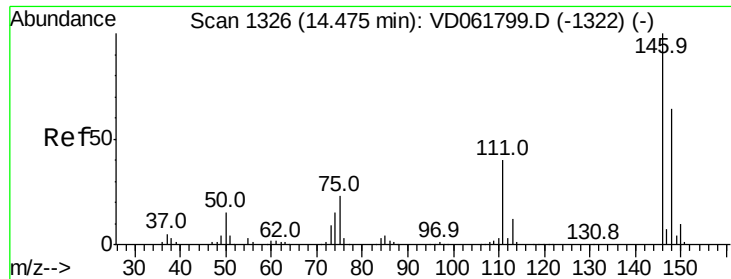
Tot Ion:105 Resp: 378069
 Ion Ratio Lower Upper
 105 100
 134 17.2 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 19.812 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD061891.D
 Acq: 19 Apr 2019 2:39

Tgt Ion:119 Resp: 372302
 Ion Ratio Lower Upper
 119 100
 134 24.6 12.8 38.3
 91 20.9 10.7 32.1

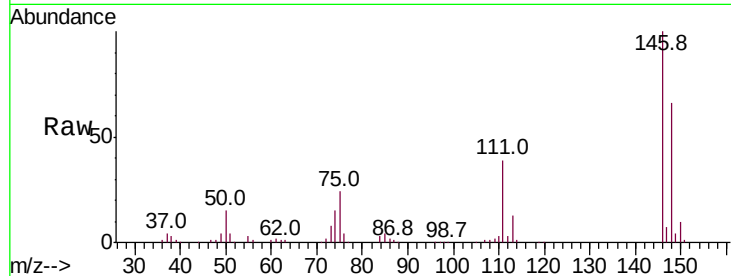




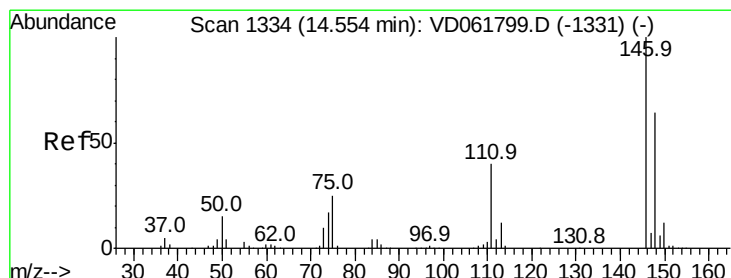
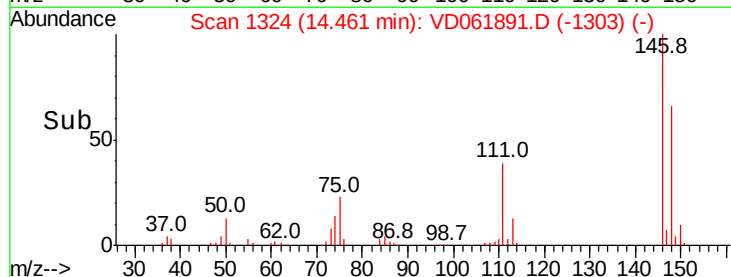
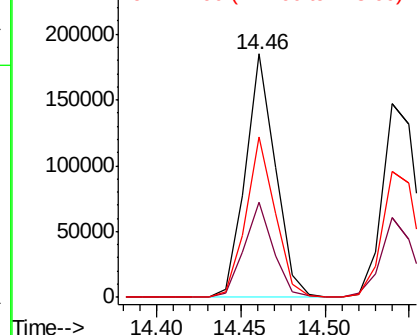
#87
 1,3-Dichlorobenzene
 Concen: 22.116 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD061891.D
 Acq: 19 Apr 2019 2:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.0	60.0
148	65.7	31.8	95.4

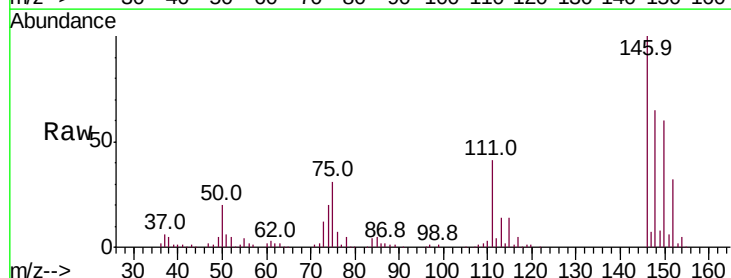


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

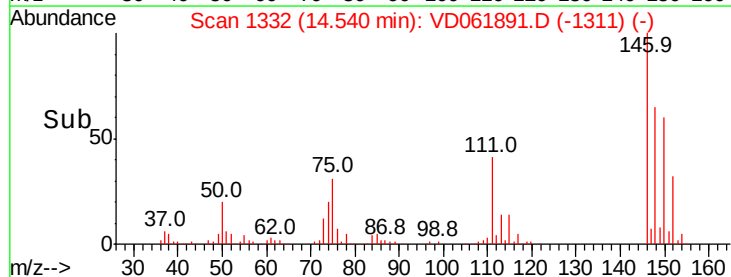
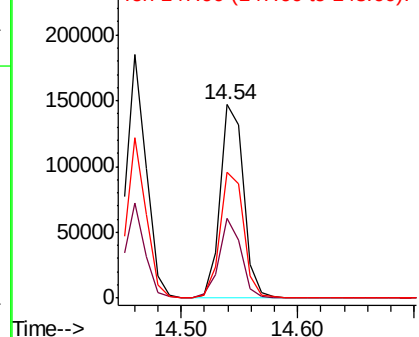


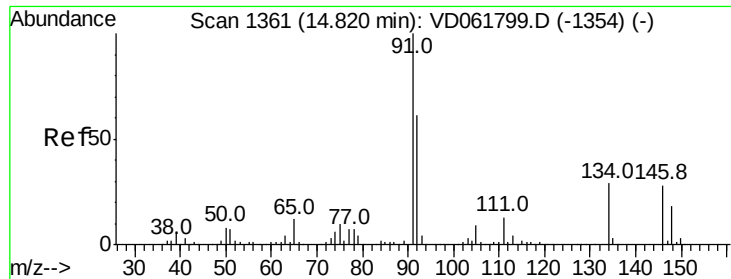
#88
 1,4-Dichlorobenzene
 Concen: 20.091 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.01 min
 Lab File: VD061891.D
 Acq: 19 Apr 2019 2:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.2	60.5
148	64.8	32.0	96.2



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





#89

n-Butylbenzene

Concen: 20.772 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD061891.D

Acq: 19 Apr 2019 2:39

Instrument :

MSVOA_D

ClientSampleId :

VD0418SBS02

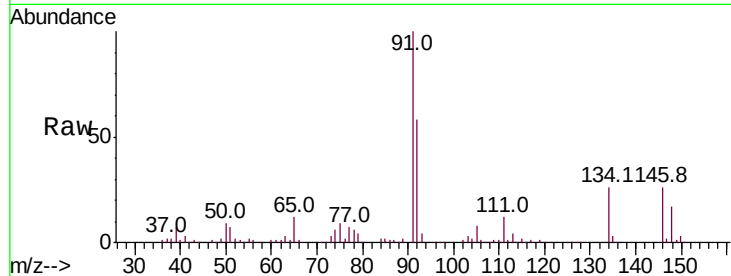
Tot Ion: 91 Resp: 345513

Ion Ratio Lower Upper

91 100

92 58.0 30.3 91.0

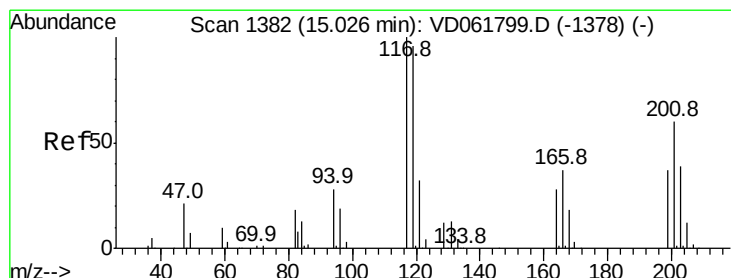
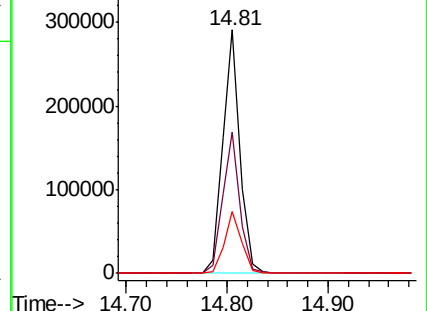
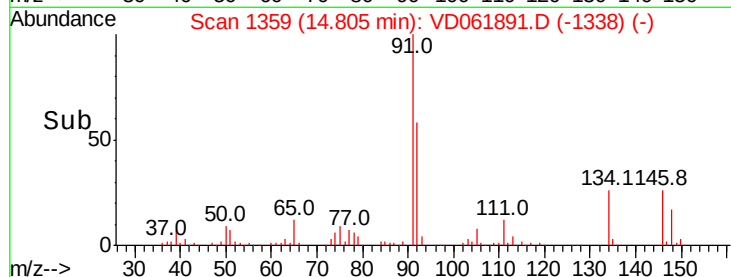
134 25.5 14.5 43.6



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: 20.089 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VD061891.D

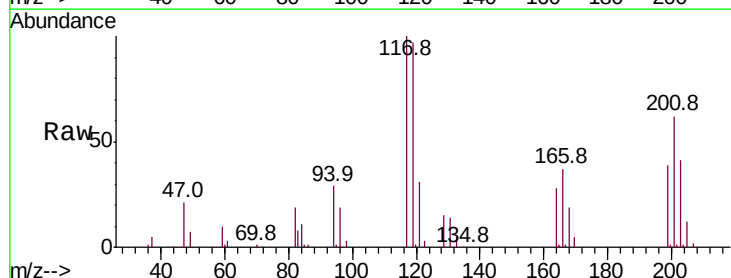
Acq: 19 Apr 2019 2:39

Tgt Ion: 117 Resp: 102895

Ion Ratio Lower Upper

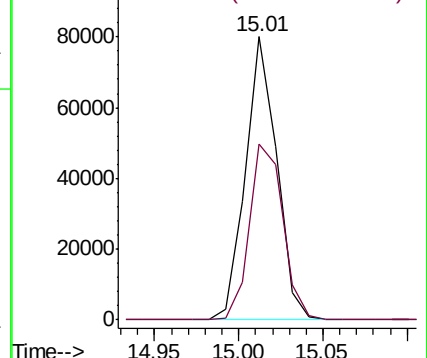
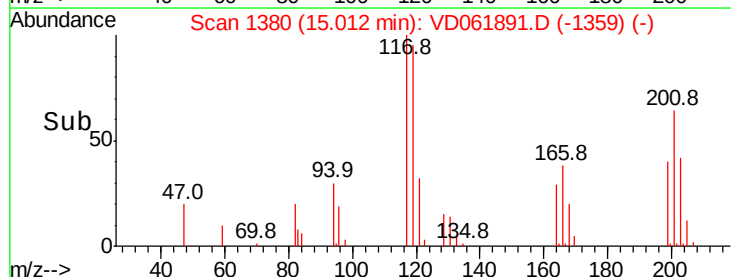
117 100

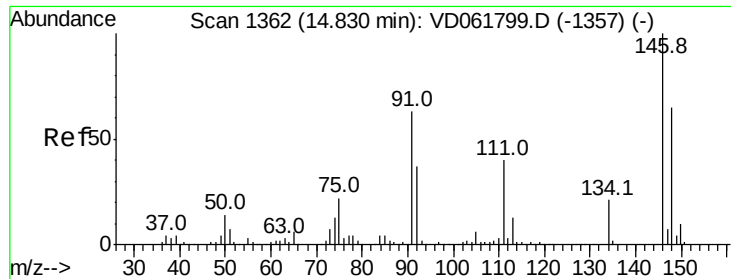
201 62.1 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

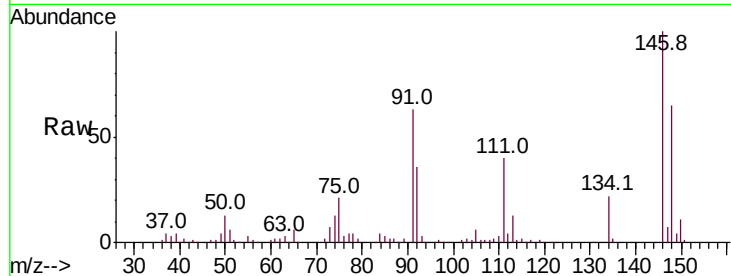




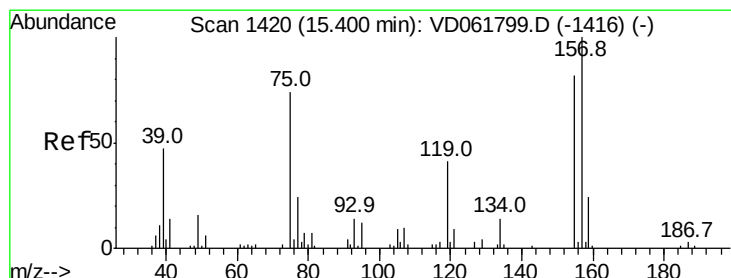
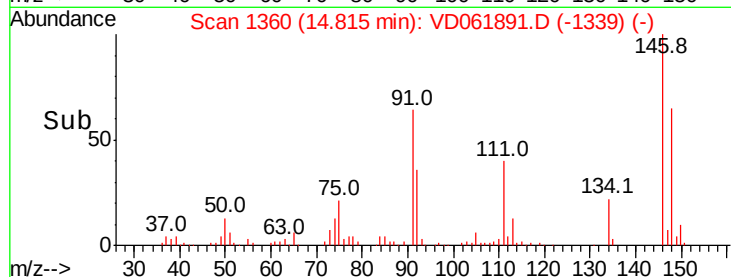
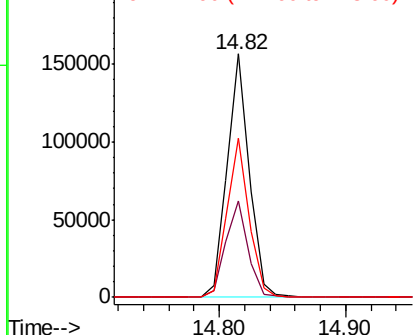
#91
 1,2-Dichlorobenzene
 Concen: 21.766 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD061891.D
 Acq: 19 Apr 2019 2:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS02

Tot Ion:146 Resp: 188538
 Ion Ratio Lower Upper
 146 100
 111 39.7 20.0 59.9
 148 65.1 32.3 96.8

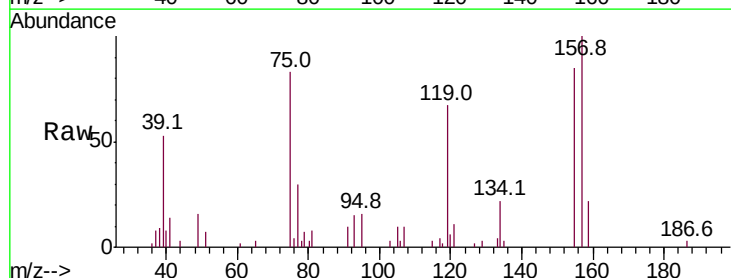


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

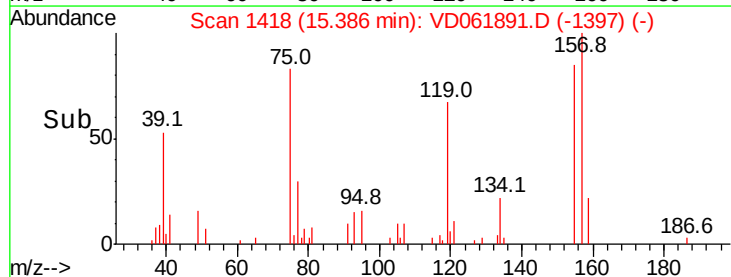
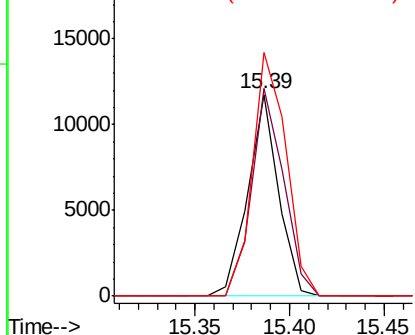


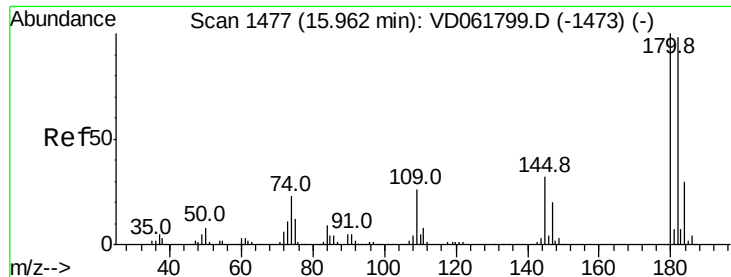
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 26.167 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD061891.D
 Acq: 19 Apr 2019 2:39

Tgt Ion: 75 Resp: 13281
 Ion Ratio Lower Upper
 75 100
 155 103.1 55.3 165.8
 157 120.6 67.8 203.2



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

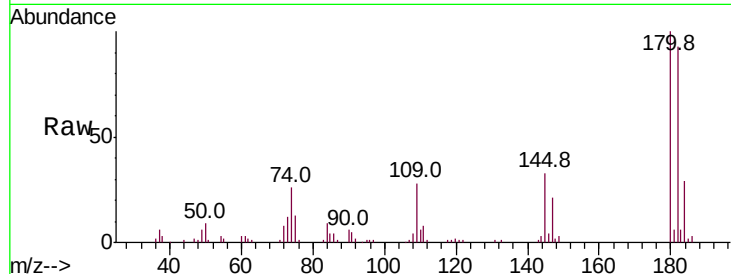




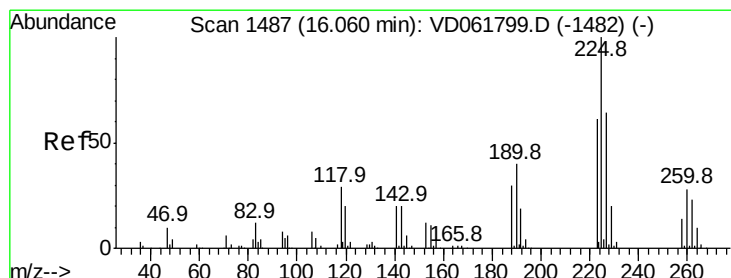
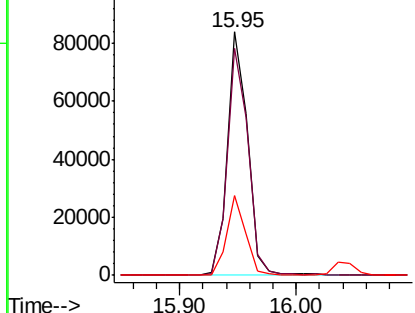
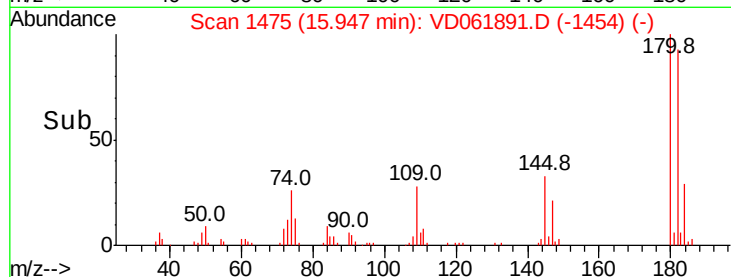
#93
 1,2,4-Trichlorobenzene
 Concen: 21.229 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD061891.D
 Acq: 19 Apr 2019 2:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	49.3	147.8
145	32.6	16.2	48.6

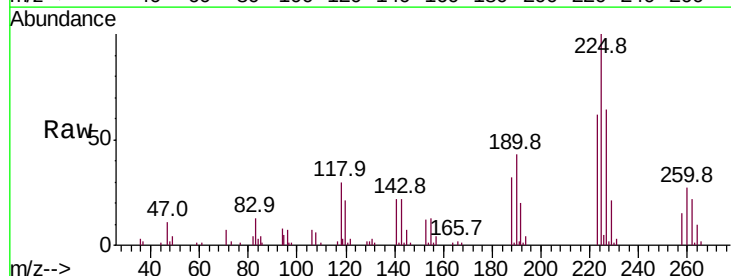


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

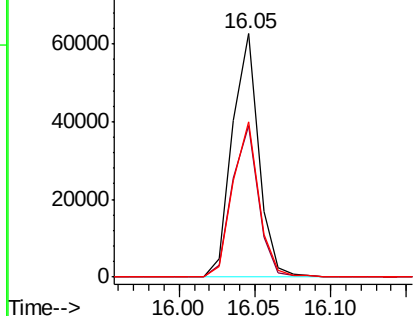
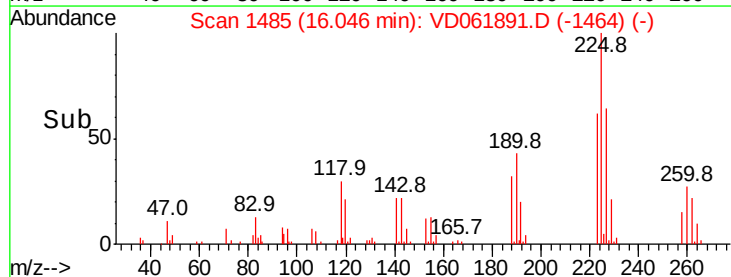


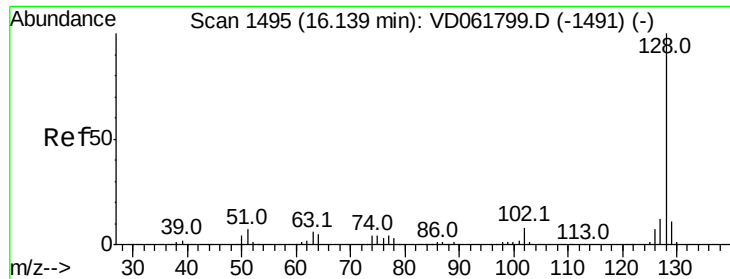
#94
 Hexachlorobutadiene
 Concen: 21.912 ug/l
 RT: 16.05 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061891.D
 Acq: 19 Apr 2019 2:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	30.6	92.0
227	64.0	32.0	96.2



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

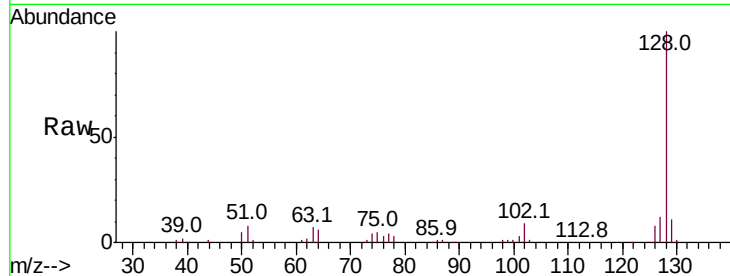




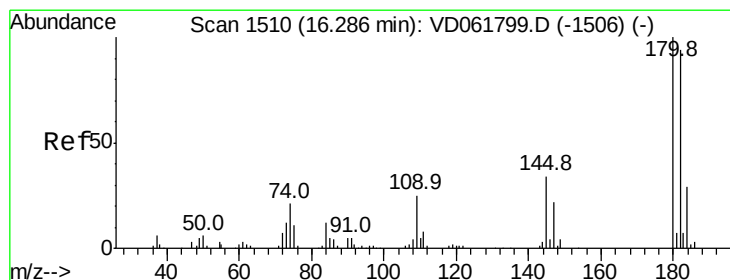
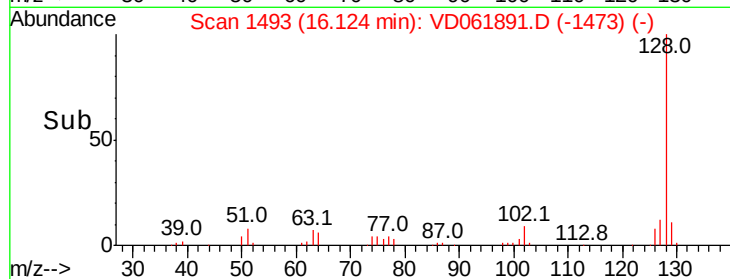
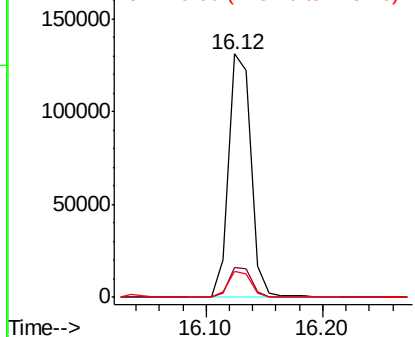
#95
Naphthalene
Concen: 24.075 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD061891.D
Acq: 19 Apr 2019 2:39

Instrument :
MSVOA_D
ClientSampleId :
VD0418SBS02

Tot Ion:128 Resp: 175554
Ion Ratio Lower Upper
128 100
127 12.1 9.8 14.8
129 10.8 8.8 13.2

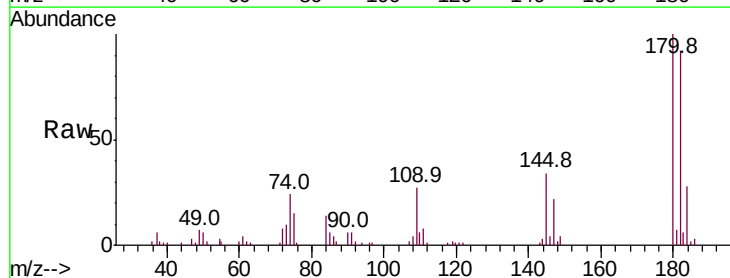


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 25.203 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.01 min
Lab File: VD061891.D
Acq: 19 Apr 2019 2:39

Tgt Ion:180 Resp: 68330
Ion Ratio Lower Upper
180 100
182 92.1 47.0 141.0
145 34.5 17.0 51.0



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

