

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041519\
 Data File : VD061798.D
 Acq On : 15 Apr 2019 13:41
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Apr 16 08:19:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:14:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.09	168	623775	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.26	114	1043955	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.40	117	825315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.54	152	381763	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.49	65	111507	21.21	ug/l	0.00
Spiked Amount			Recovery	=	42.42%	
35) Dibromofluoromethane	6.97	113	158765	20.13	ug/l	0.00
Spiked Amount			Recovery	=	40.26%	
50) Toluene-d8	10.45	98	368834	19.74	ug/l	0.00
Spiked Amount			Recovery	=	39.48%	
62) 4-Bromofluorobenzene	13.58	95	160083	21.13	ug/l	0.00
Spiked Amount			Recovery	=	42.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	111483	18.214	ug/l	99
3) Chloromethane	1.76	50	102672	21.050	ug/l	95
4) Vinyl Chloride	1.86	62	92692	19.146	ug/l	98
5) Bromomethane	2.17	94	21741	17.525	ug/l	93
6) Chloroethane	2.28	64	29707	17.986	ug/l	99
7) Trichlorofluoromethane	2.54	101	160831	20.525	ug/l	99
8) Diethyl Ether	2.90	74	39995	19.436	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.18	101	143618	20.528	ug/l	97
10) Methyl Iodide	3.34	142	192955	20.453	ug/l	99
11) Tert butyl alcohol	4.11	59	30945	99.863	ug/l #	94
12) 1,1-Dichloroethene	3.16	96	117914	20.037	ug/l	94
13) Acrolein	3.06	56	36424	121.329	ug/l	95
14) Allyl chloride	3.66	41	163740	20.409	ug/l	97
15) Acrylonitrile	4.24	53	102212	105.065	ug/l	96
16) Acetone	3.25	43	119852	92.530	ug/l	99
17) Carbon Disulfide	3.41	76	390531	20.533	ug/l	99
18) Methyl Acetate	3.67	43	52765	20.313	ug/l	97
19) Methyl tert-butyl Ether	4.28	73	226513	20.675	ug/l	97
20) Methylene Chloride	3.85	84	142595	18.244	ug/l	92
21) trans-1,2-Dichloroethene	4.26	96	135121	20.906	ug/l	98
22) Diisopropyl ether	5.17	45	339304	19.819	ug/l	98
23) Vinyl Acetate	5.10	43	950206	103.986	ug/l	100
24) 1,1-Dichloroethane	5.03	63	213378	20.535	ug/l	99
25) 2-Butanone	6.12	43	147530	100.031	ug/l	96
26) 2,2-Dichloropropane	6.07	77	177226	19.712	ug/l	98
27) cis-1,2-Dichloroethene	6.09	96	141112	20.117	ug/l	97
28) Bromochloromethane	6.49	49	82393	20.854	ug/l	99
29) Tetrahydrofuran	6.50	42	72282	100.607	ug/l	98
30) Chloroform	6.71	83	239415	20.641	ug/l	98
31) Cyclohexane	7.00	56	159158	19.993	ug/l	98
32) 1,1,1-Trichloroethane	6.92	97	212104	20.629	ug/l	98
36) 1,1-Dichloropropene	7.19	75	179768	21.069	ug/l	99
37) Ethyl Acetate	6.22	43	71651	19.624	ug/l	94
38) Carbon Tetrachloride	7.16	117	213436	19.218	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.90	83	159892	18.049	ug/l	97
40) Benzene	7.50	78	424806	20.739	ug/l	99
41) Methacrylonitrile	6.49	41	84925	19.679	ug/l #	96
42) 1,2-Dichloroethane	7.62	62	140748	19.732	ug/l	99
43) Isopropyl Acetate	9.28	43	95984	18.681	ug/l	95
44) Trichloroethene	8.58	130	154940	19.652	ug/l	99
45) 1,2-Dichloropropane	8.98	63	108909	20.415	ug/l	95
46) Dibromomethane	9.10	93	74601	19.626	ug/l	99
47) Bromodichloromethane	9.41	83	179951	20.520	ug/l	97
48) Methyl methacrylate	9.16	41	63436	21.004	ug/l	95
49) 1,4-Dioxane	9.13	88	14529	440.128	ug/l #	88
51) 4-Methyl-2-Pentanone	10.34	43	325687	103.654	ug/l	99
52) Toluene	10.55	92	266355	20.294	ug/l	99
53) t-1,3-Dichloropropene	10.95	75	156459	19.800	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	188244	20.295	ug/l	98
55) 1,1,2-Trichloroethane	11.23	97	88636	20.042	ug/l	98
56) Ethyl methacrylate	11.08	69	91483	18.848	ug/l	97
57) 1,3-Dichloropropane	11.44	76	131231	19.738	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.90	63	249713	108.162	ug/l	97
59) 2-Hexanone	11.56	43	230836	98.915	ug/l	97
60) Dibromochloromethane	11.72	129	143205	19.790	ug/l	99
61) 1,2-Dibromoethane	11.84	107	105403	19.383	ug/l	99
64) Tetrachloroethene	11.29	164	128042	20.687	ug/l	98
65) Chlorobenzene	12.43	112	314974	20.493	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.54	131	140203	21.767	ug/l	99
67) Ethyl Benzene	12.55	91	564048	22.915	ug/l	98
68) m/p-Xylenes	12.69	106	415218	44.908	ug/l	98
69) o-Xylene	13.08	106	195620	22.510	ug/l	95
70) Styrene	13.10	104	331425	22.162	ug/l	95
71) Bromoform	13.26	173	79321	20.747	ug/l #	98
73) Isopropylbenzene	13.43	105	538817	21.763	ug/l	98
74) N-amyl acetate	13.28	43	137190	20.606	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.73	83	100744	20.585	ug/l	97
76) 1,2,3-Trichloropropane	13.76	75	104002	20.744	ug/l	98
77) Bromobenzene	13.70	156	139807	19.879	ug/l	94
78) n-propylbenzene	13.79	91	605279	21.160	ug/l	99
79) 2-Chlorotoluene	13.86	91	333959	20.104	ug/l	98
80) 1,3,5-Trimethylbenzene	13.95	105	425538	21.661	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.50	75	26760	18.737	ug/l	97
82) 4-Chlorotoluene	13.97	91	407028	21.280	ug/l	98
83) tert-Butylbenzene	14.21	119	481568	20.877	ug/l	99
84) 1,2,4-Trimethylbenzene	14.26	105	431140	21.833	ug/l	100
85) sec-Butylbenzene	14.39	105	510139	21.393	ug/l	100
86) p-Isopropyltoluene	14.51	119	490075	21.965	ug/l	99
87) 1,3-Dichlorobenzene	14.47	146	262990	21.420	ug/l	98
88) 1,4-Dichlorobenzene	14.55	146	268586	22.130	ug/l	100
89) n-Butylbenzene	14.82	91	431634	21.855	ug/l	98
90) Hexachloroethane	15.03	117	128224	21.085	ug/l	94
91) 1,2-Dichlorobenzene	14.83	146	222513	21.636	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.40	75	13625	20.106	ug/l	86

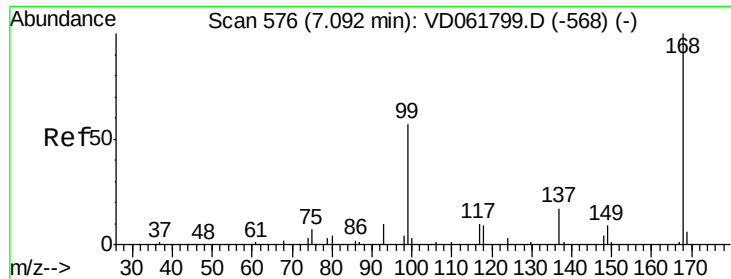
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041519\
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QLast Update : Tue Apr 16 08:14:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	123677	21.895	ug/l	93
94) Hexachlorobutadiene	16.06	225	89584	21.885	ug/l	98
95) Naphthalene	16.14	128	175543	20.276	ug/l	98
96) 1,2,3-Trichlorobenzene	16.29	180	73919	22.964	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.09 min Scan# 576

Delta R.T. -0.00 min

Lab File: VD061798.D

Acq: 15 Apr 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

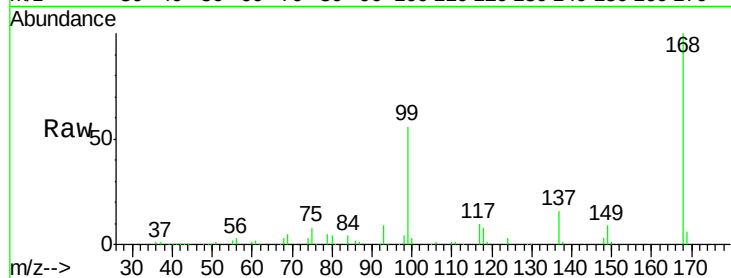
VSTDIC020

Tot Ion:168 Resp: 623775

Ion Ratio Lower Upper

168 100

99 55.8 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.09

250000

200000

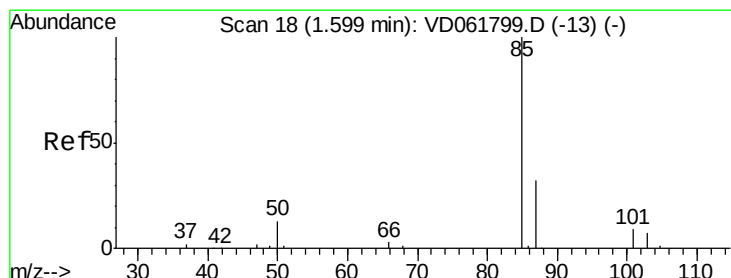
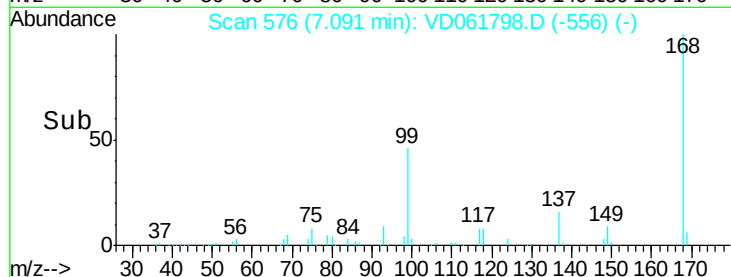
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20 7.30



#2

Dichlorodifluoromethane

Concen: 18.214 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.01 min

Lab File: VD061798.D

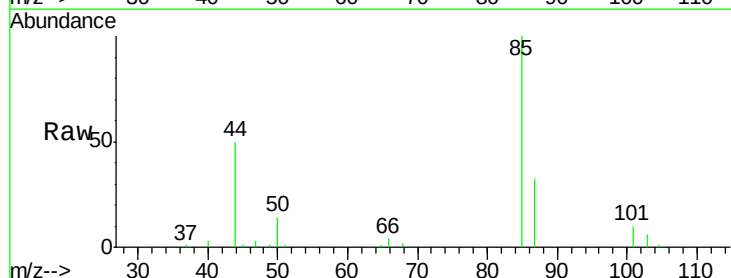
Acq: 15 Apr 2019 13:41

Tgt Ion: 85 Resp: 111483

Ion Ratio Lower Upper

85 100

87 32.1 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

50000

40000

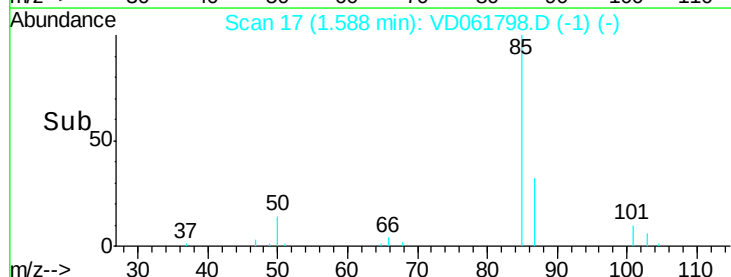
30000

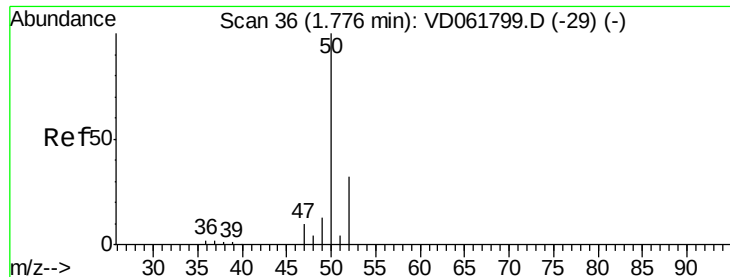
20000

10000

0

Time--> 1.50 1.60 1.70 1.80





#3

Chloromethane

Concen: 21.050 ug/l

RT: 1.76 min Scan# 35

Delta R.T. -0.01 min

Lab File: VD061798.D

Acq: 15 Apr 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

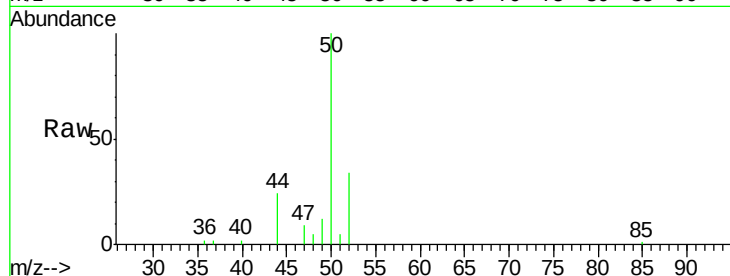
VSTDIC020

Tot Ion: 50 Resp: 102672

Ion Ratio Lower Upper

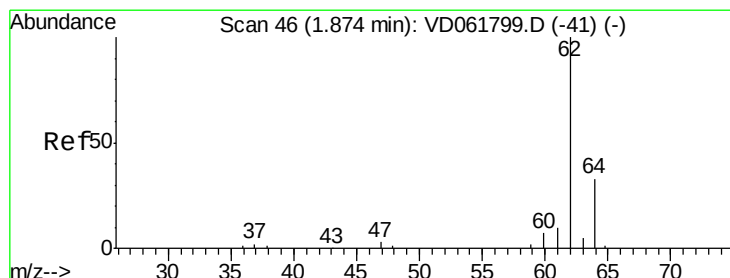
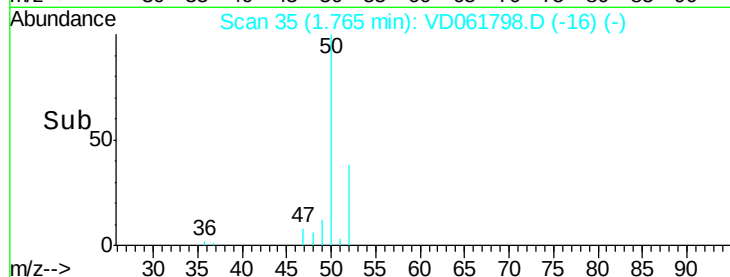
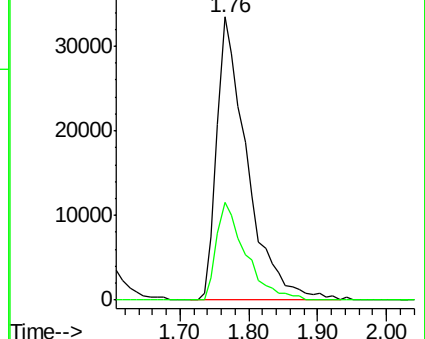
50 100

52 34.3 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.146 ug/l

RT: 1.86 min Scan# 45

Delta R.T. -0.01 min

Lab File: VD061798.D

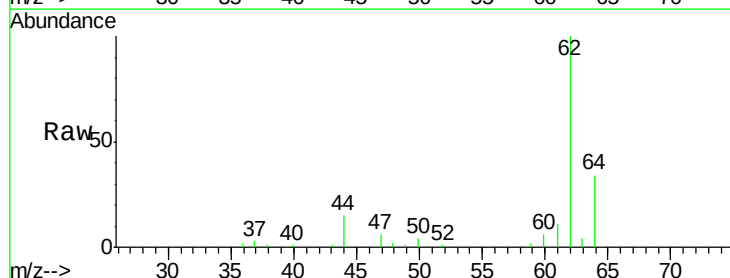
Acq: 15 Apr 2019 13:41

Tgt Ion: 62 Resp: 92692

Ion Ratio Lower Upper

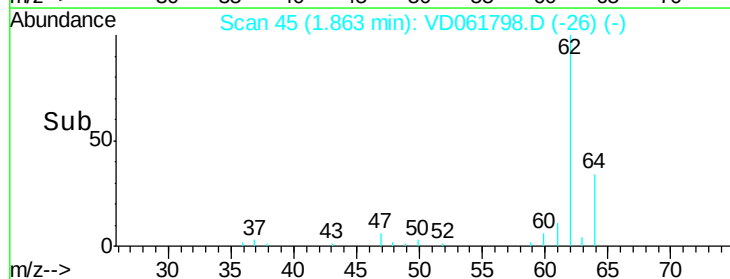
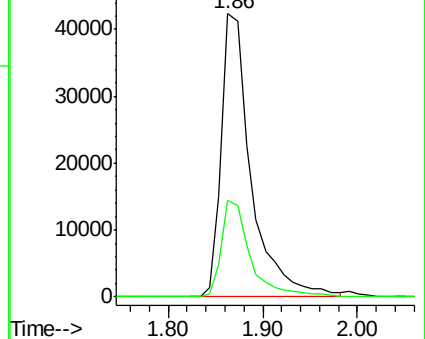
62 100

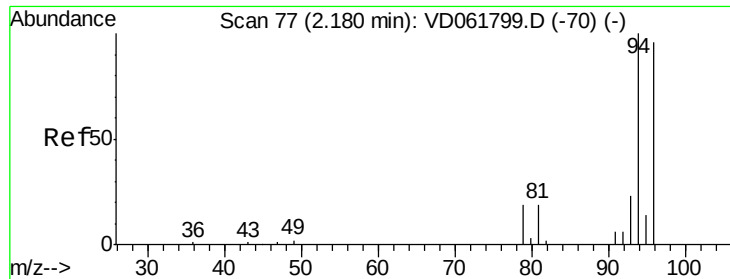
64 34.0 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 17.525 ug/l

RT: 2.17 min Scan# 76

Delta R.T. -0.01 min

Lab File: VD061798.D

Acq: 15 Apr 2019 13:41

Instrument :

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ClientSampleId :

VSTDIC020

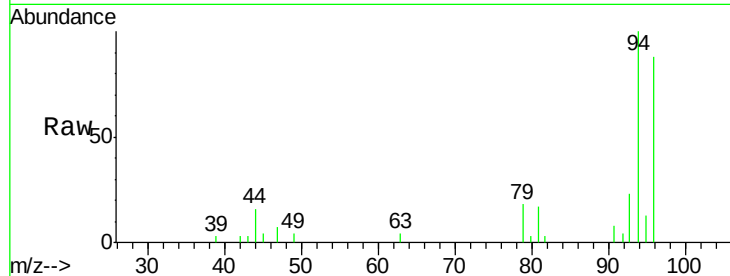
Tot Ion: 94 Resp: 21741

Ion Ratio Lower Upper

94 100

96 87.5 76.6 115.0

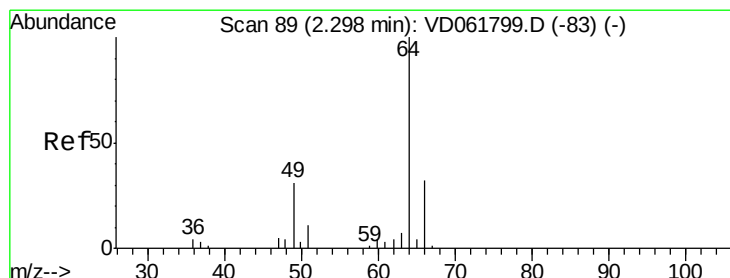
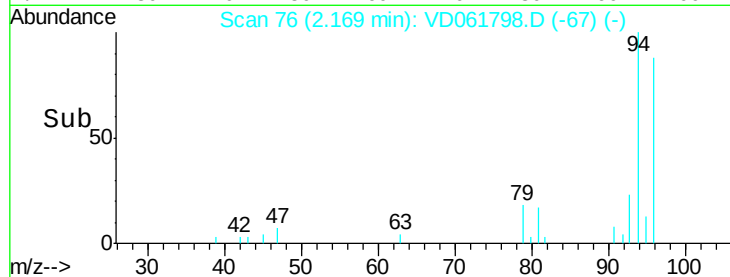
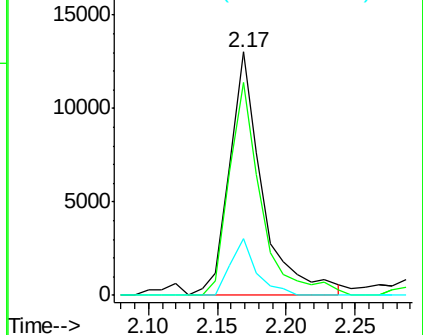
93 23.5 18.5 27.7



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: 17.986 ug/l

RT: 2.28 min Scan# 87

Delta R.T. -0.02 min

Lab File: VD061798.D

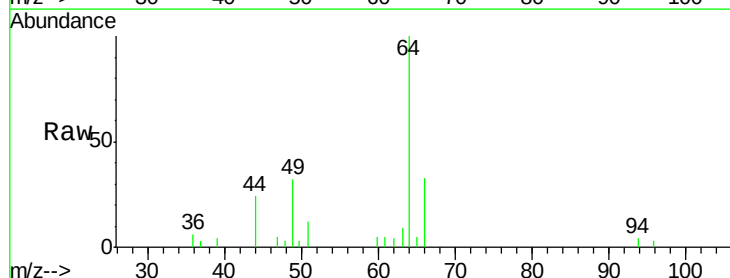
Acq: 15 Apr 2019 13:41

Tgt Ion: 64 Resp: 29707

Ion Ratio Lower Upper

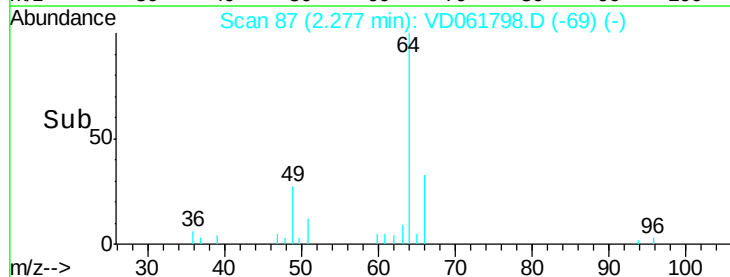
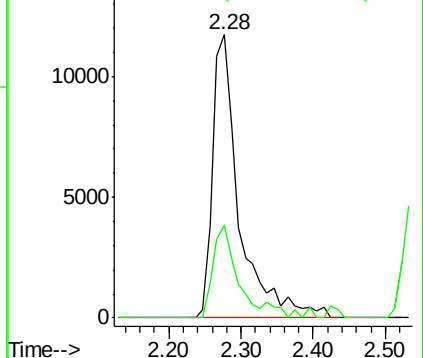
64 100

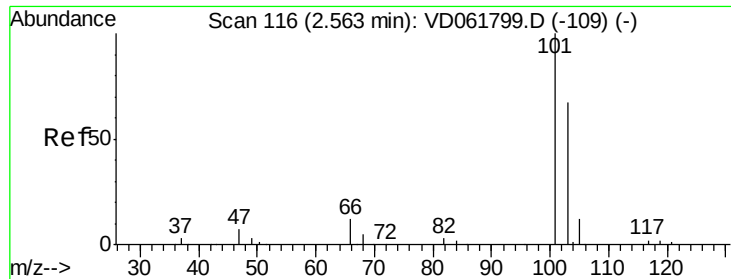
66 32.7 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



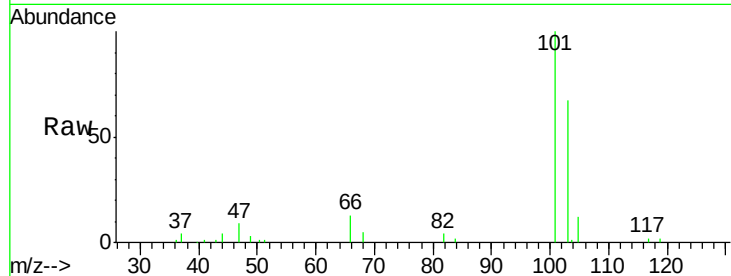


#7

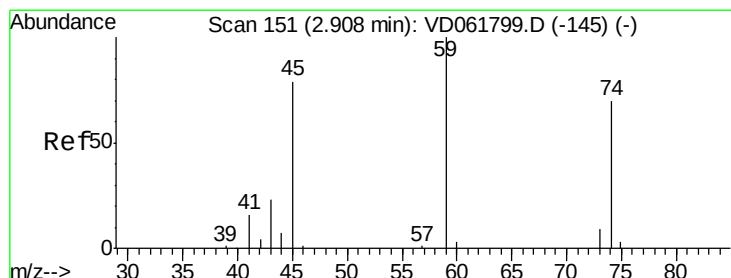
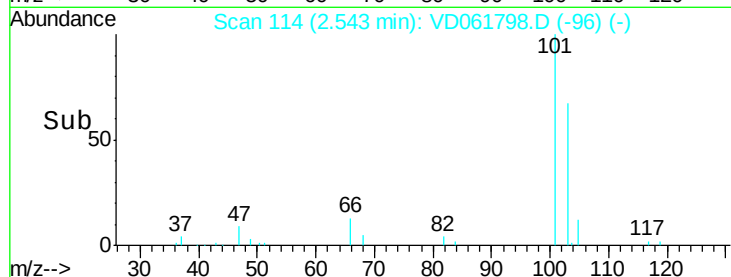
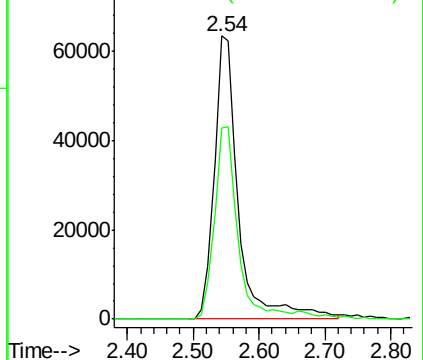
Trichlorofluoromethane
 Concen: 20.525 ug/l
 RT: 2.54 min Scan# 114
 Delta R.T. -0.02 min
 Lab File: VD061798.D
 Acq: 15 Apr 2019 13:41

Instrument :
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 VSTDIC020

Tot Ion:101 Resp: 160831
 Ion Ratio Lower Upper
 101 100
 103 67.4 53.6 80.4



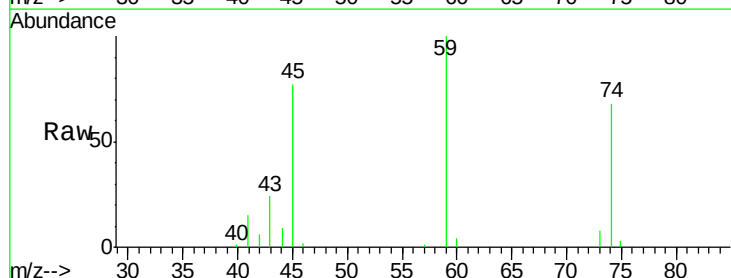
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



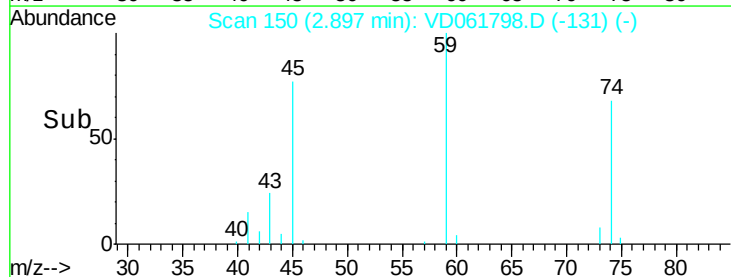
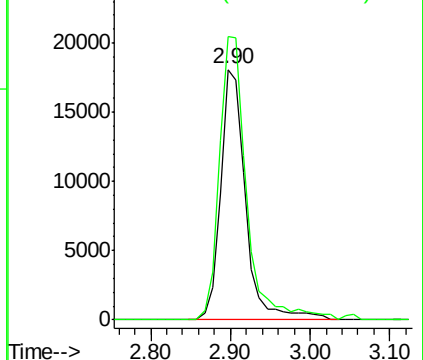
#8

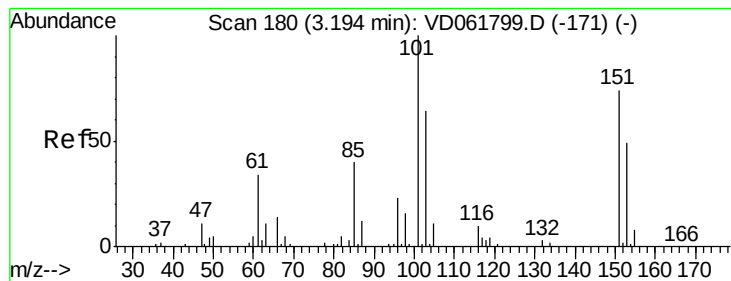
Diethyl Ether
 Concen: 19.436 ug/l
 RT: 2.90 min Scan# 150
 Delta R.T. -0.01 min
 Lab File: VD061798.D
 Acq: 15 Apr 2019 13:41

Tgt Ion: 74 Resp: 39995
 Ion Ratio Lower Upper
 74 100
 45 113.1 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.528 ug/l

RT: 3.18 min Scan# 179

Delta R.T. -0.01 min

Lab File: VD061798.D

Acq: 15 Apr 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

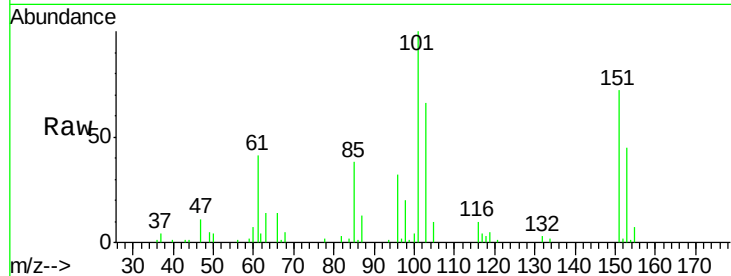
Tot Ion:101 Resp: 143618

Ion Ratio Lower Upper

101 100

85 38.0 32.4 48.6

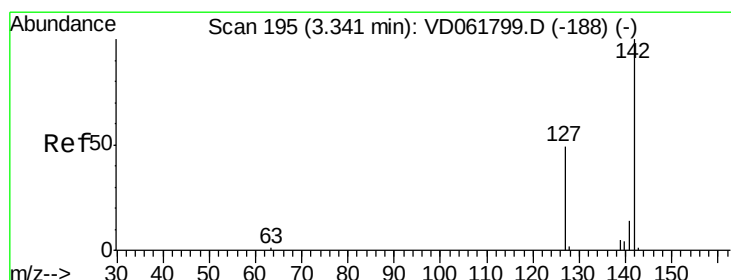
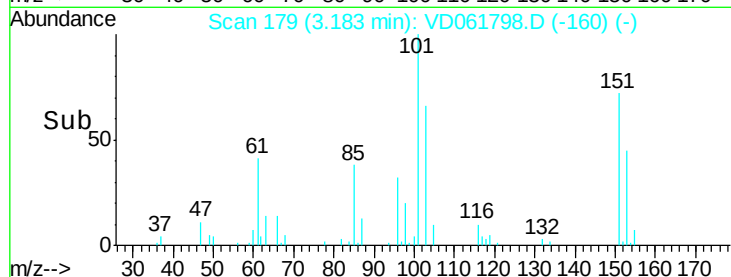
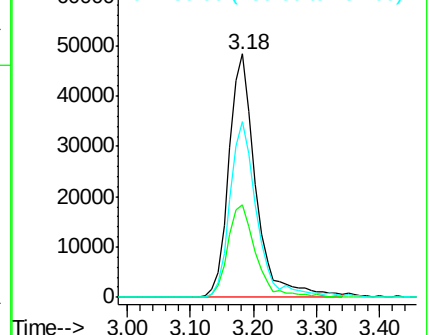
151 72.4 59.4 89.0



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: 20.453 ug/l

RT: 3.34 min Scan# 195

Delta R.T. -0.00 min

Lab File: VD061798.D

Acq: 15 Apr 2019 13:41

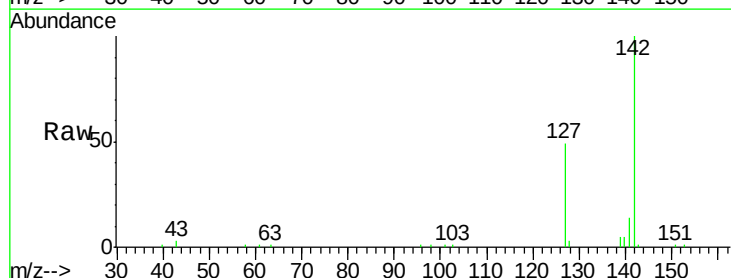
Tgt Ion:142 Resp: 192955

Ion Ratio Lower Upper

142 100

127 48.9 38.8 58.2

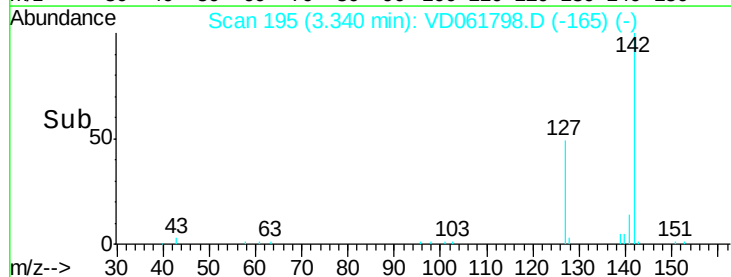
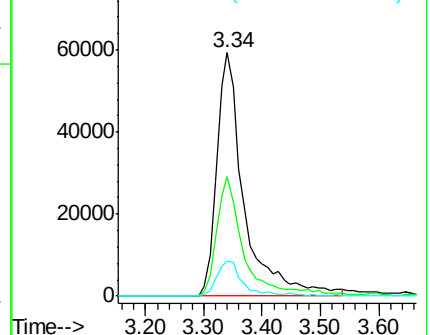
141 14.5 11.4 17.0

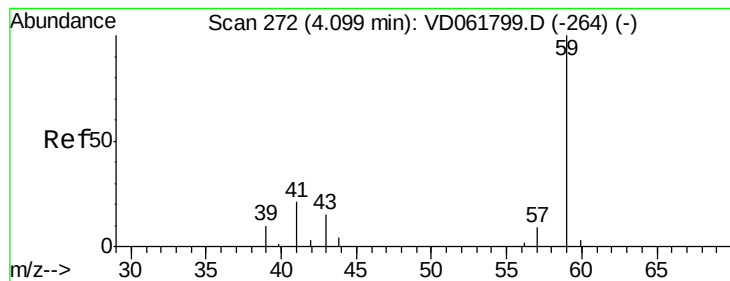


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 99.863 ug/l

RT: 4.11 min Scan# 273

Delta R.T. 0.01 min

Lab File: VD061798.D

Acq: 15 Apr 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

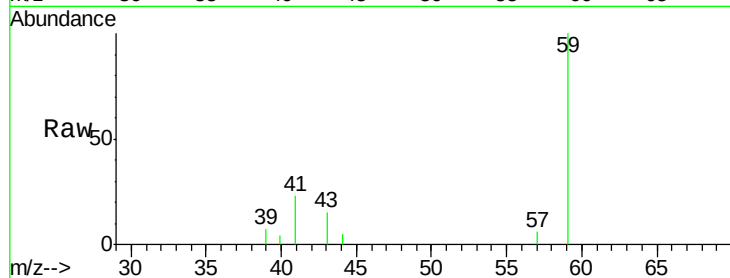
VSTDIC020

Tot Ion: 59 Resp: 30945

Ion Ratio Lower Upper

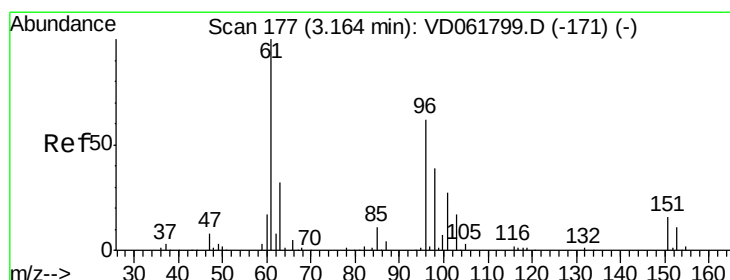
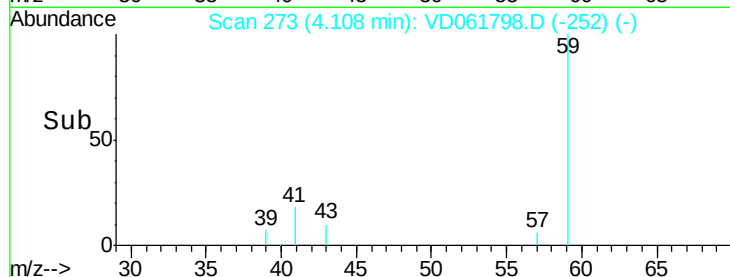
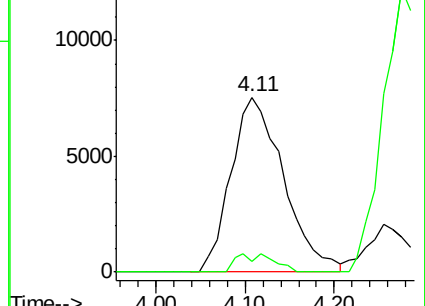
59 100

57 6.4 6.9 10.3#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 20.037 ug/l

RT: 3.16 min Scan# 177

Delta R.T. -0.00 min

Lab File: VD061798.D

Acq: 15 Apr 2019 13:41

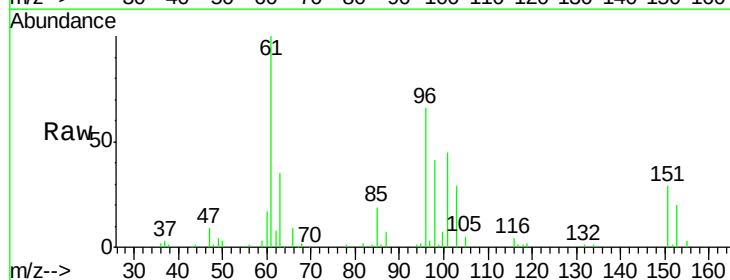
Tgt Ion: 96 Resp: 117914

Ion Ratio Lower Upper

96 100

61 151.3 129.8 194.8

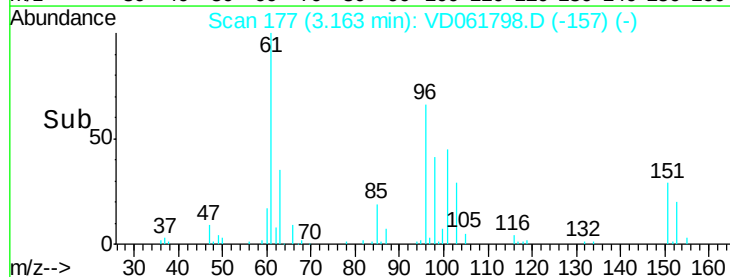
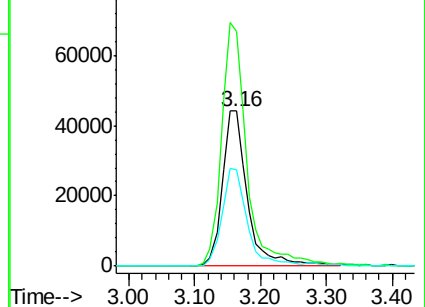
98 62.5 51.2 76.8

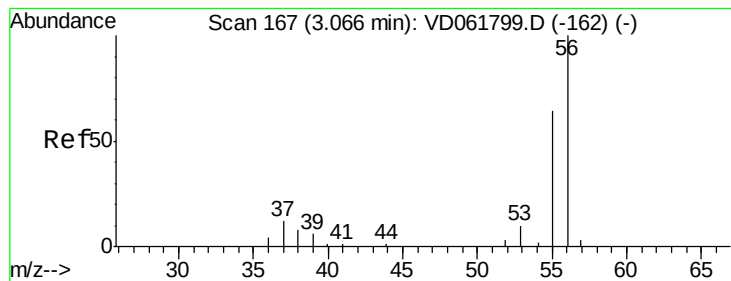


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 121.329 ug/l

RT: 3.06 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD061798.D

Acq: 15 Apr 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

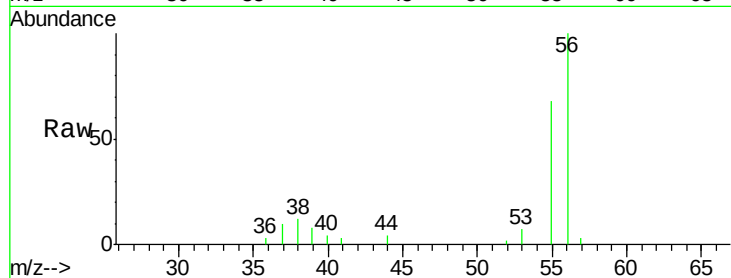
VSTDIC020

Tot Ion: 56 Resp: 36424

Ion Ratio Lower Upper

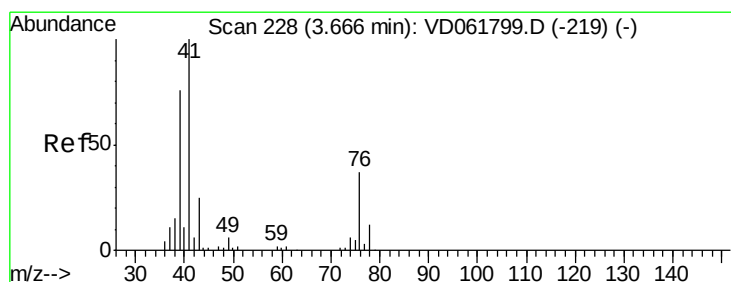
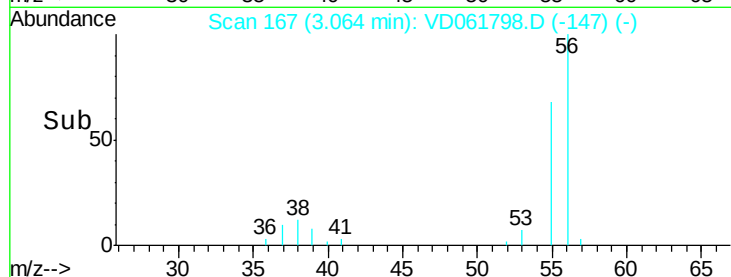
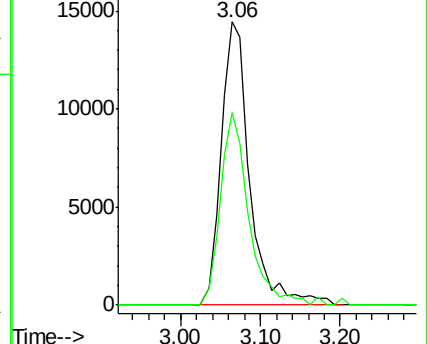
56 100

55 68.1 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.409 ug/l

RT: 3.66 min Scan# 227

Delta R.T. -0.01 min

Lab File: VD061798.D

Acq: 15 Apr 2019 13:41

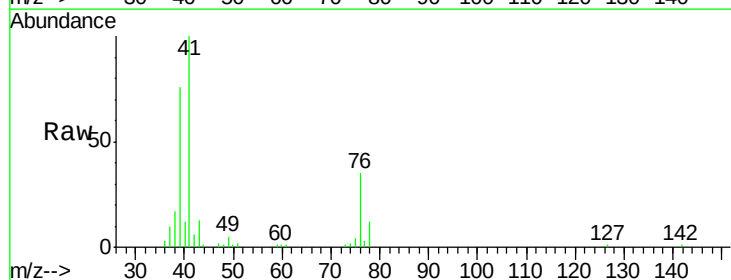
Tgt Ion: 41 Resp: 163740

Ion Ratio Lower Upper

41 100

39 76.5 60.5 90.7

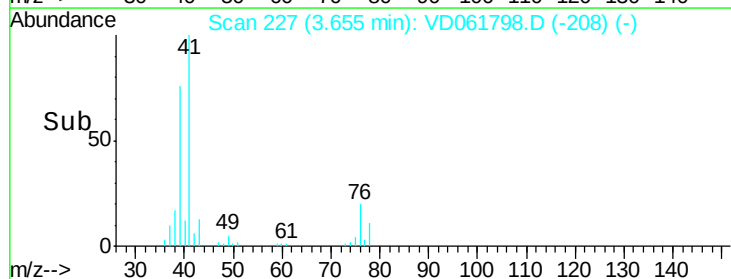
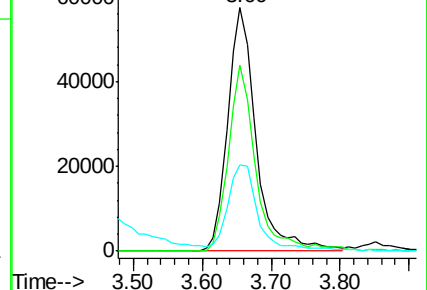
76 35.4 31.8 47.8

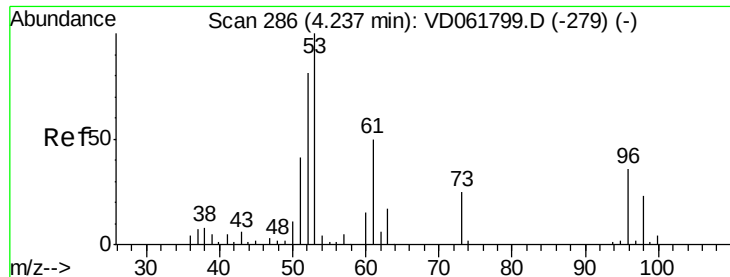


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 105.065 ug/l

RT: 4.24 min Scan# 286

Delta R.T. -0.00 min

Lab File: VD061798.D

Acq: 15 Apr 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

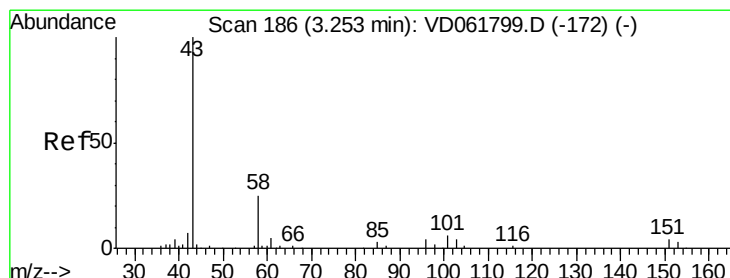
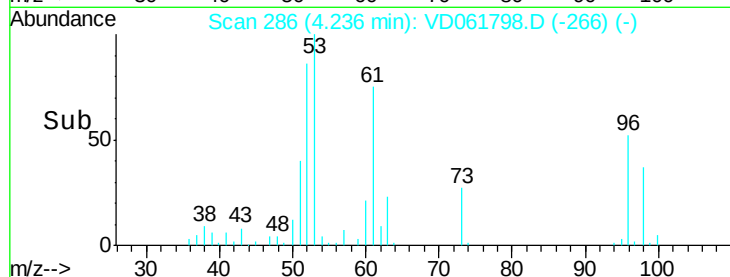
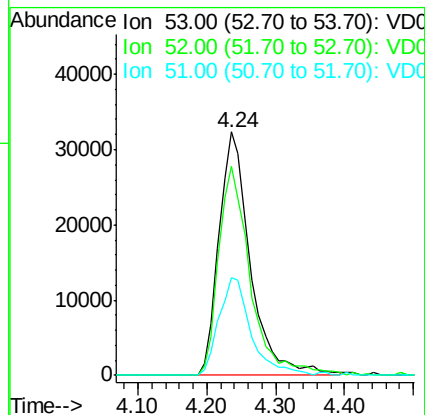
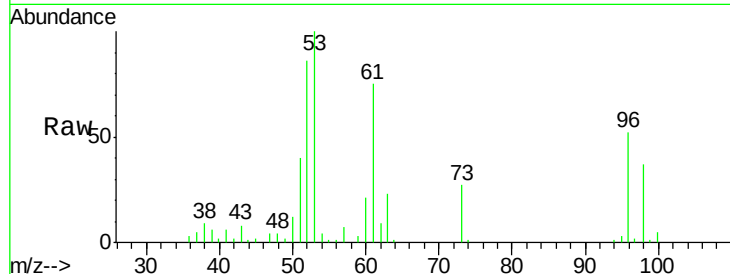
Tot Ion: 53 Resp: 102212

Ion Ratio Lower Upper

53 100

52 85.8 65.0 97.4

51 40.3 32.6 48.8



#16

Acetone

Concen: 92.530 ug/l

RT: 3.25 min Scan# 186

Delta R.T. -0.00 min

Lab File: VD061798.D

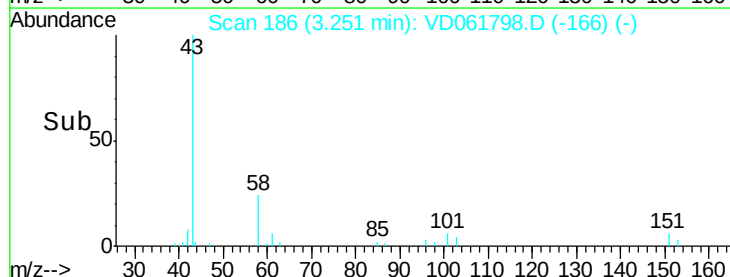
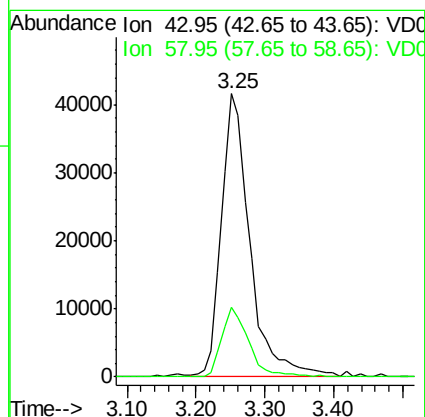
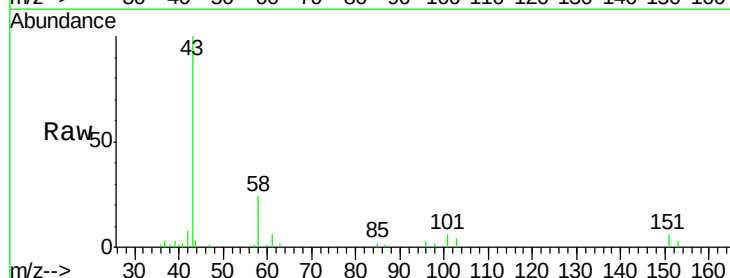
Acq: 15 Apr 2019 13:41

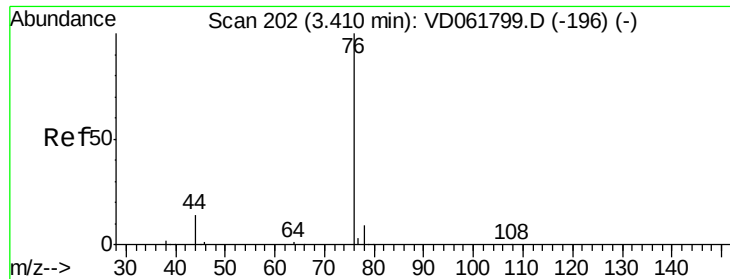
Tgt Ion: 43 Resp: 119852

Ion Ratio Lower Upper

43 100

58 24.5 19.9 29.9

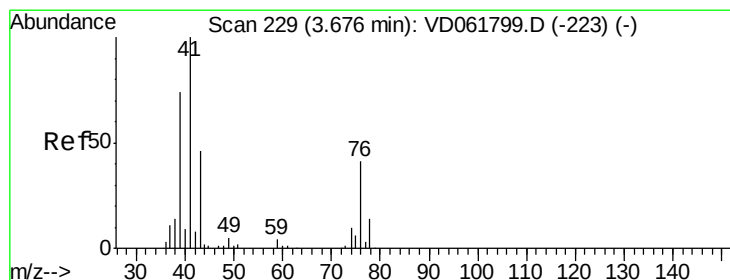
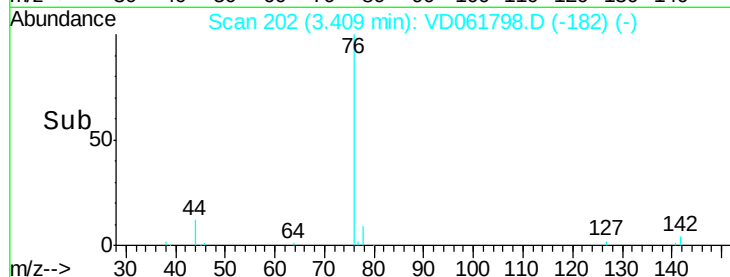
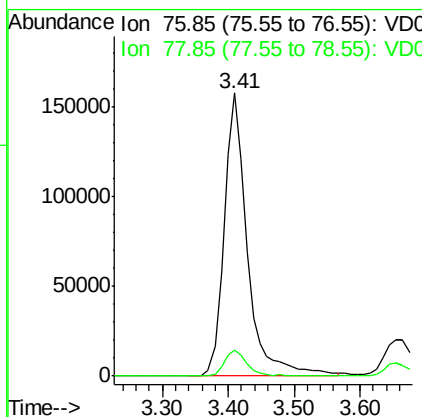
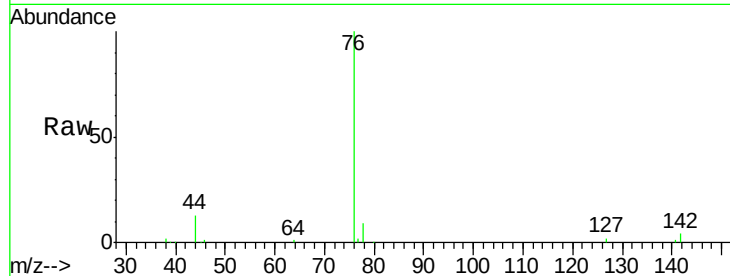




#17
Carbon Disulfide
Concen: 20.533 ug/l
RT: 3.41 min Scan# 202
Delta R.T. -0.00 min
Lab File: VD061798.D
Acq: 15 Apr 2019 13:41

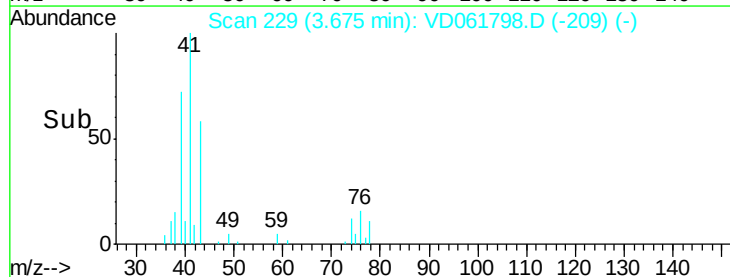
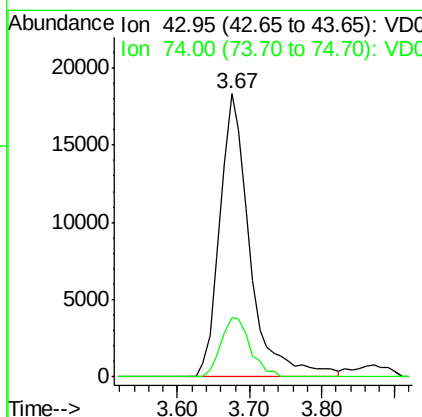
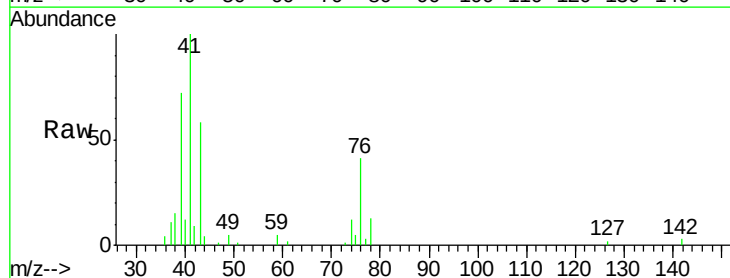
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

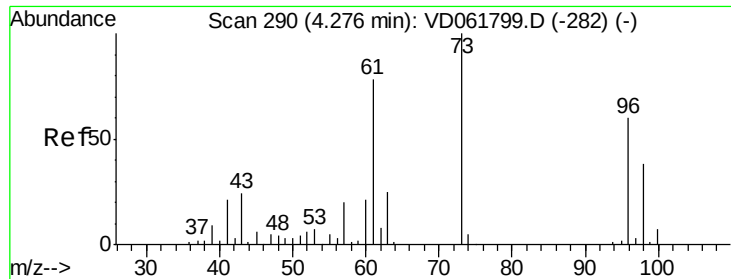
Tot Ion: 76 Resp: 390531
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8



#18
Methyl Acetate
Concen: 20.313 ug/l
RT: 3.67 min Scan# 229
Delta R.T. -0.00 min
Lab File: VD061798.D
Acq: 15 Apr 2019 13:41

Tgt Ion: 43 Resp: 52765
Ion Ratio Lower Upper
43 100
74 20.8 18.0 27.0

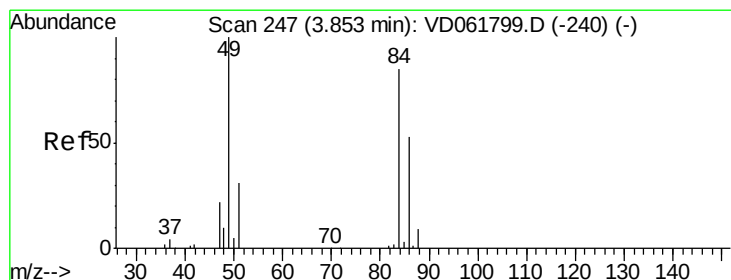
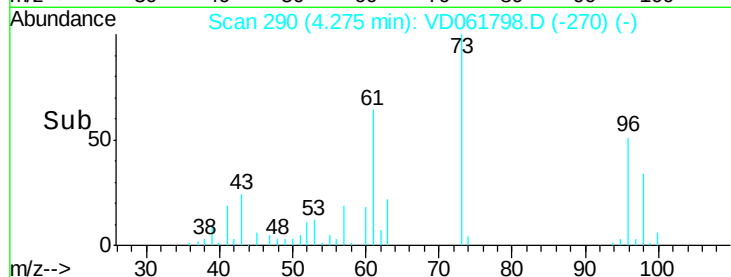
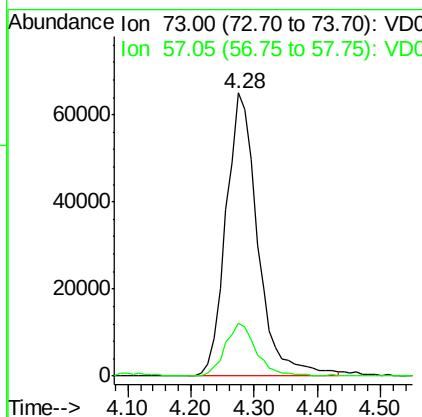
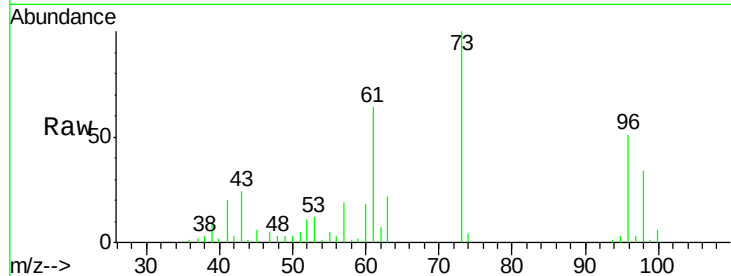




#19
Methyl tert-butyl Ether
Concen: 20.675 ug/l
RT: 4.28 min Scan# 290
Delta R.T. -0.00 min
Lab File: VD061798.D
Acq: 15 Apr 2019 13:41

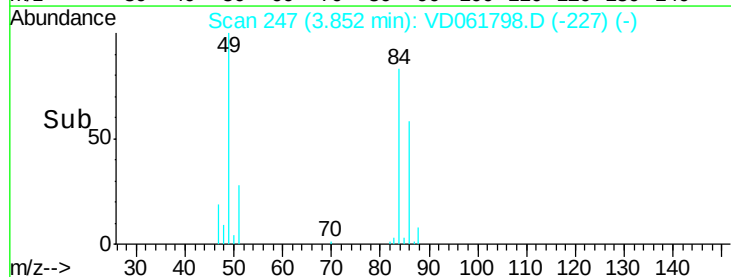
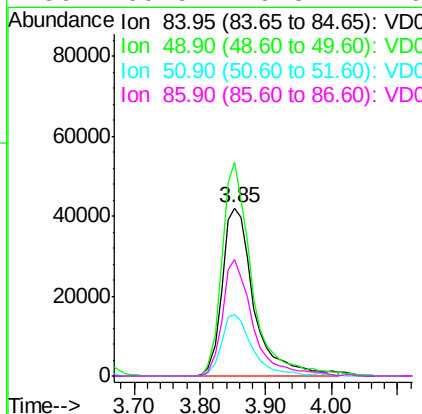
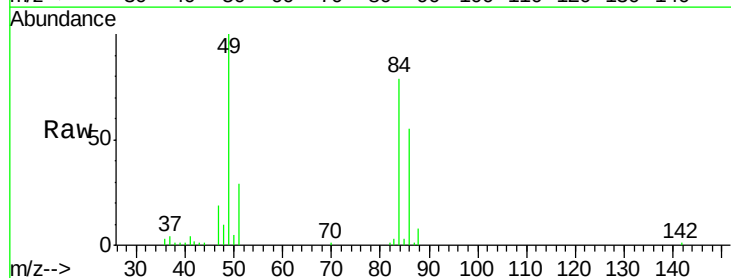
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

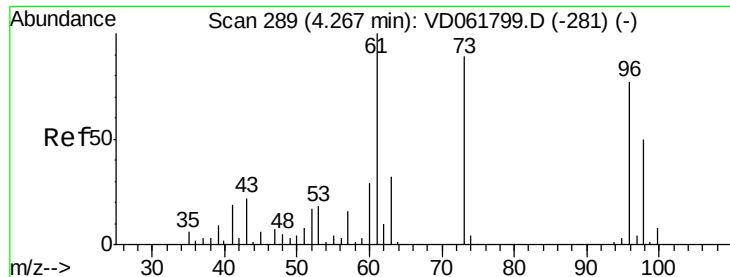
Tot Ion: 73 Resp: 226513
Ion Ratio Lower Upper
73 100
57 18.8 16.3 24.5



#20
Methylene Chloride
Concen: 18.244 ug/l
RT: 3.85 min Scan# 247
Delta R.T. -0.00 min
Lab File: VD061798.D
Acq: 15 Apr 2019 13:41

Tgt Ion: 84 Resp: 142595
Ion Ratio Lower Upper
84 100
49 127.2 94.0 141.0
51 36.3 29.0 43.4
86 69.5 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 20.906 ug/l

RT: 4.26 min Scan# 288

Delta R.T. -0.01 min

Lab File: VD061798.D

Acq: 15 Apr 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

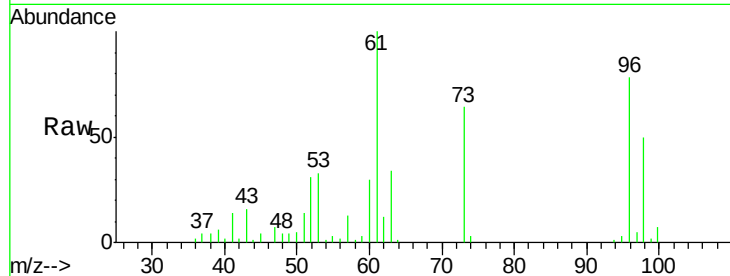
Tot Ion: 96 Resp: 135121

Ion Ratio Lower Upper

96 100

61 127.6 104.4 156.6

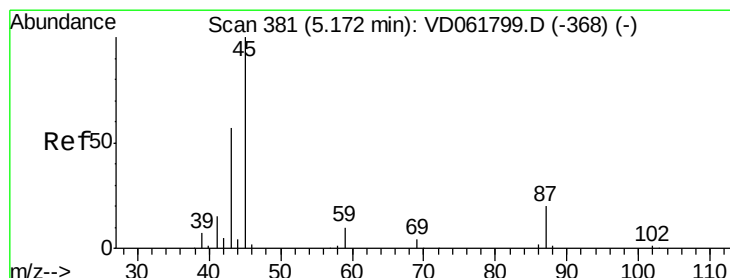
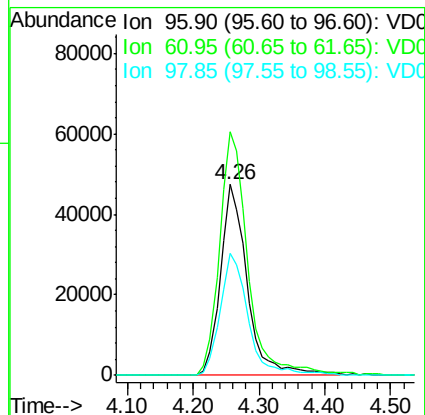
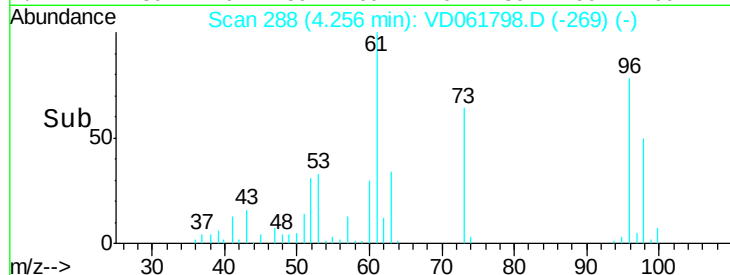
98 63.8 51.8 77.8



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: 19.819 ug/l

RT: 5.17 min Scan# 381

Delta R.T. -0.00 min

Lab File: VD061798.D

Acq: 15 Apr 2019 13:41

Tgt Ion: 45 Resp: 339304

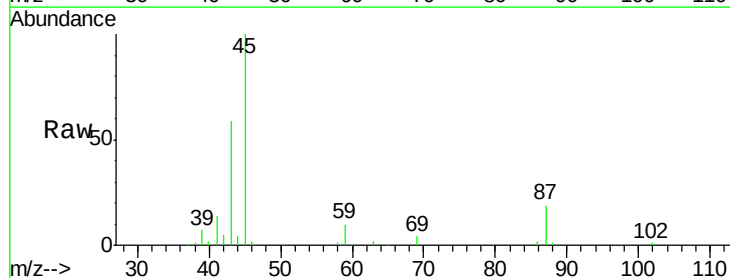
Ion Ratio Lower Upper

45 100

43 59.3 46.2 69.2

87 19.2 15.9 23.9

59 9.6 7.9 11.9

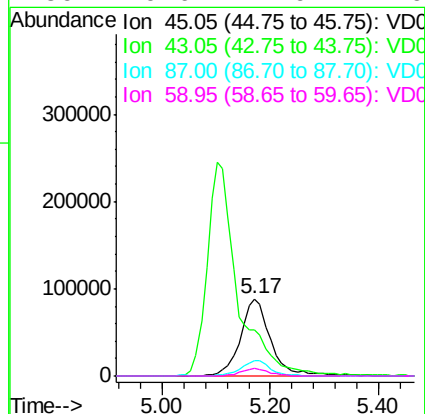
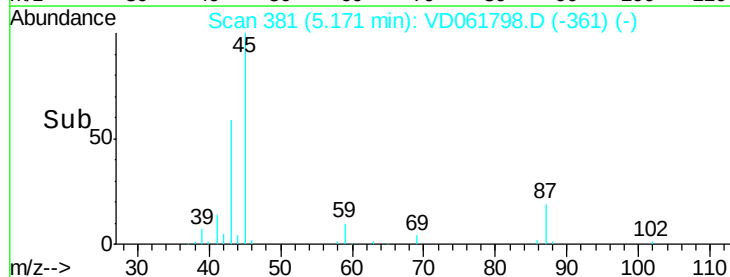


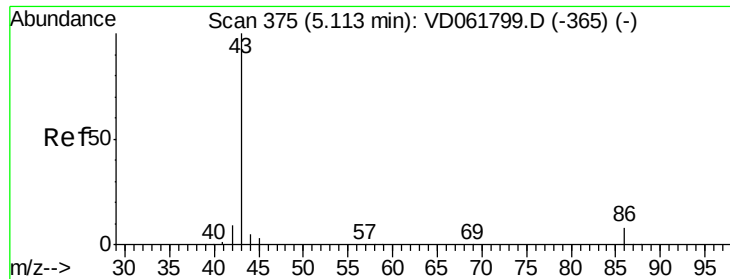
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 103.986 ug/l

RT: 5.10 min Scan# 374

Delta R.T. -0.01 min

Lab File: VD061798.D

Acq: 15 Apr 2019 13:41

Instrument :

MSVOA_D

ClientSampled :

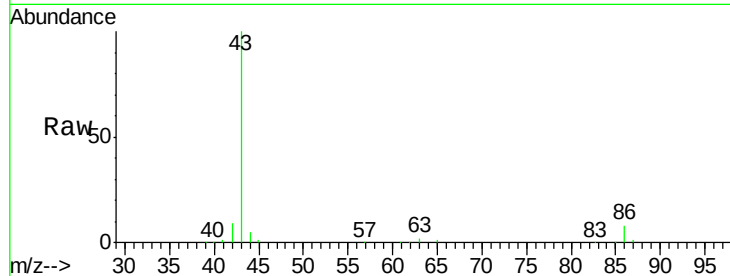
VSTDIC020

Tot Ion: 43 Resp: 950206

Ion Ratio Lower Upper

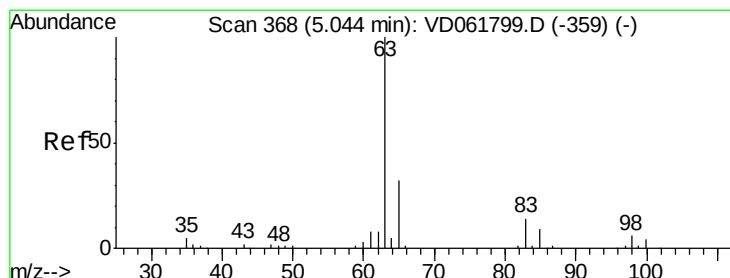
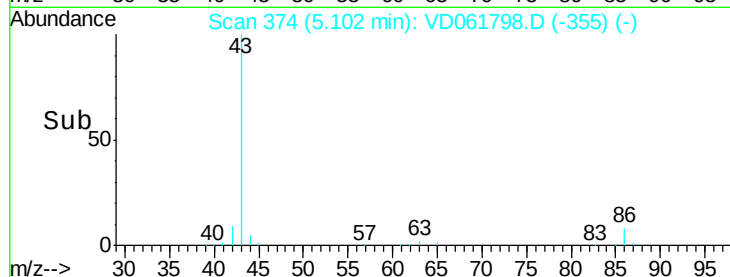
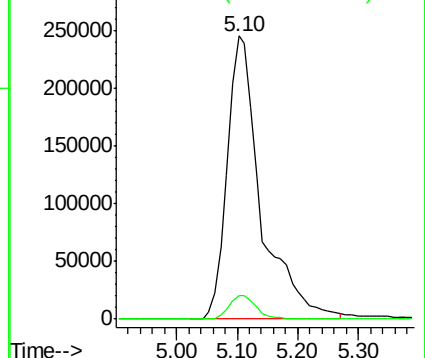
43 100

86 8.2 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.535 ug/l

RT: 5.03 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD061798.D

Acq: 15 Apr 2019 13:41

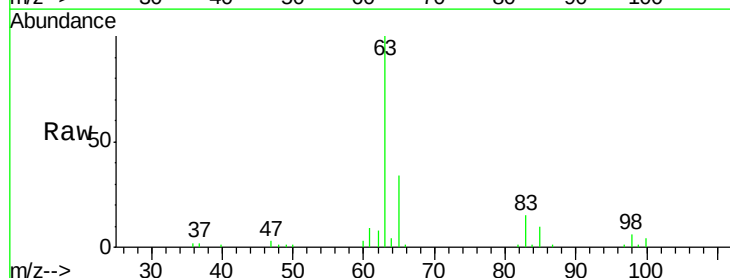
Tgt Ion: 63 Resp: 213378

Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.4

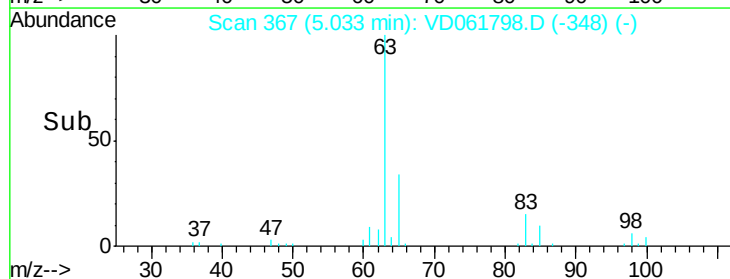
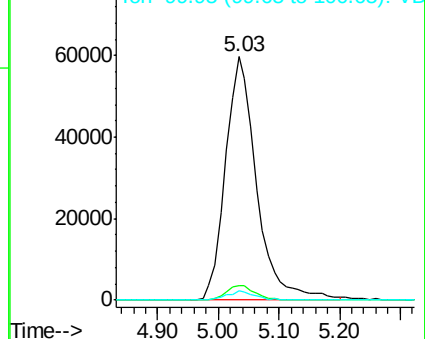
100 4.0 1.8 5.5

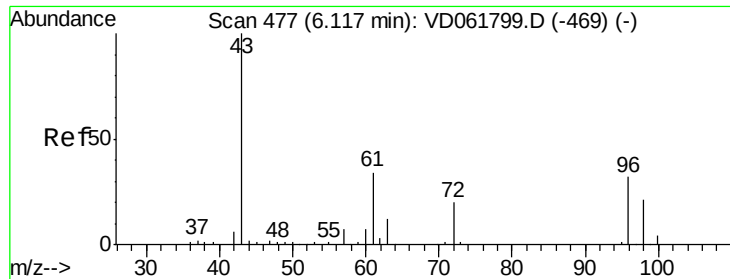


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 100.031 ug/l

RT: 6.12 min Scan# 477

Delta R.T. -0.00 min

Lab File: VD061798.D

Acq: 15 Apr 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

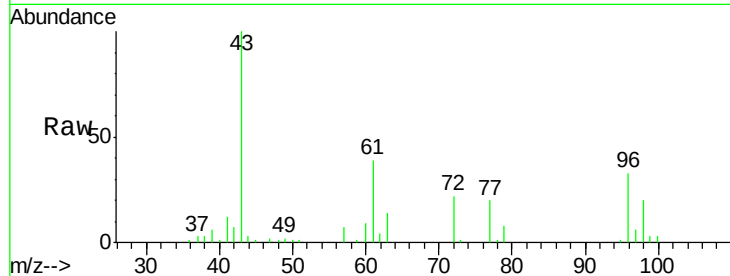
VSTDIC020

Tot Ion: 43 Resp: 147530

Ion Ratio Lower Upper

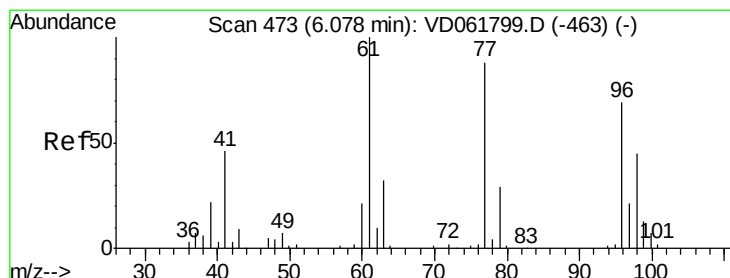
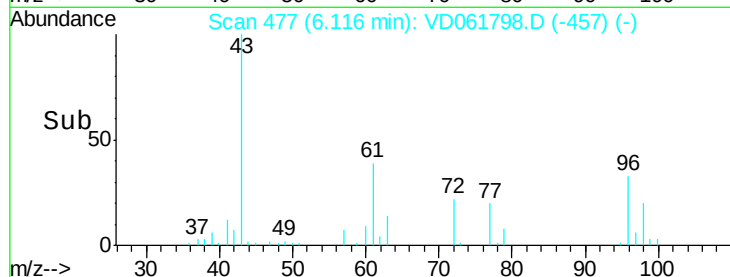
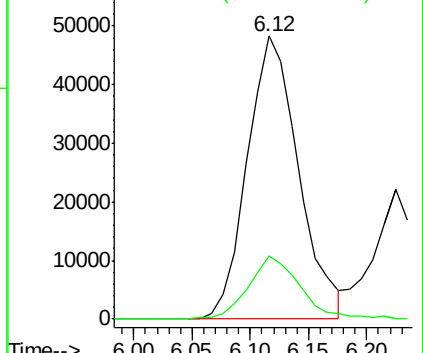
43 100

72 22.3 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: 19.712 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.01 min

Lab File: VD061798.D

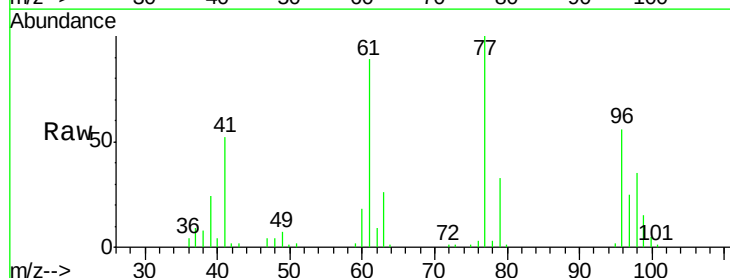
Acq: 15 Apr 2019 13:41

Tgt Ion: 77 Resp: 177226

Ion Ratio Lower Upper

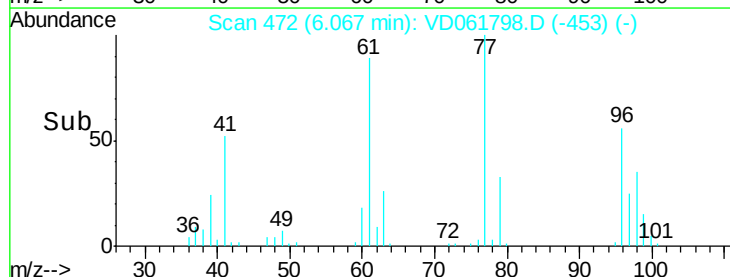
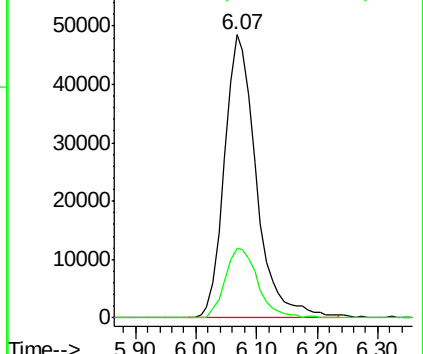
77 100

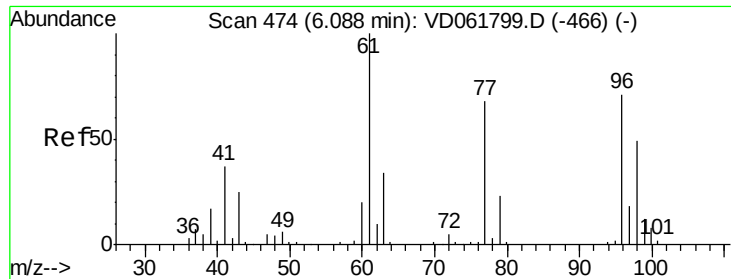
97 24.6 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



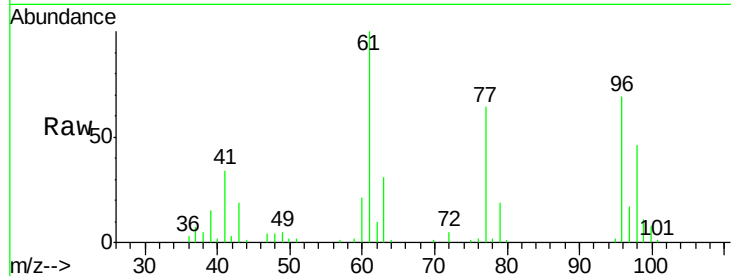


#27

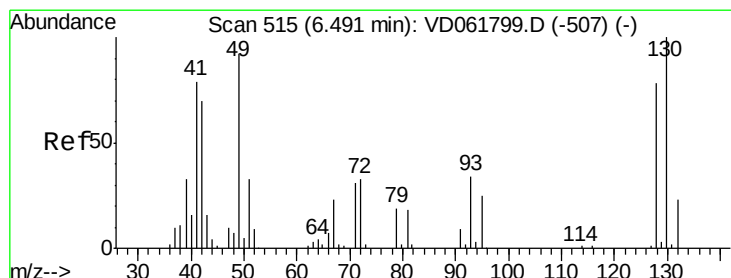
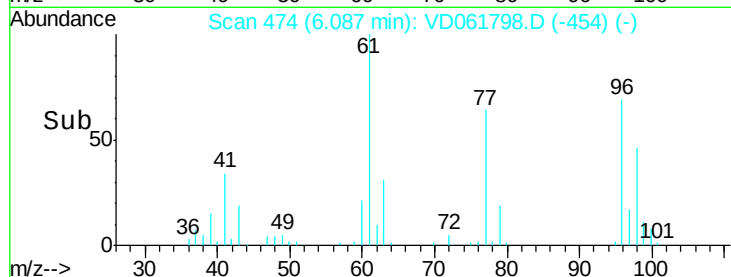
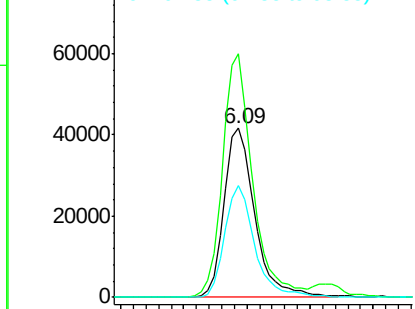
cis-1,2-Dichloroethene
Concen: 20.117 ug/l
RT: 6.09 min Scan# 474
Delta R.T. -0.00 min
Lab File: VD061798.D
Acq: 15 Apr 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 96 Resp: 141112
Ion Ratio Lower Upper
96 100
61 143.9 0.0 279.8
98 65.9 0.0 136.0



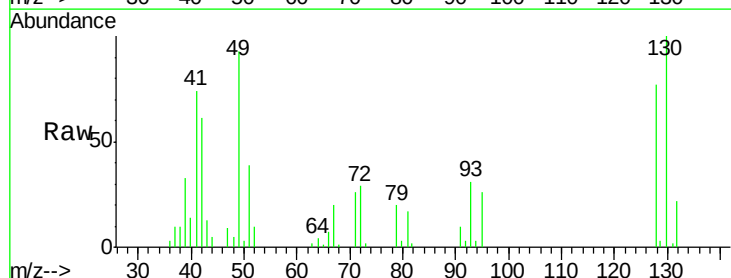
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



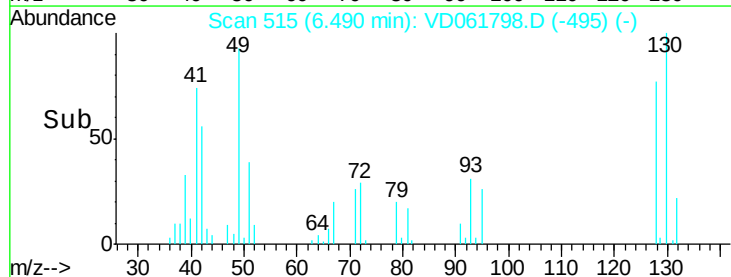
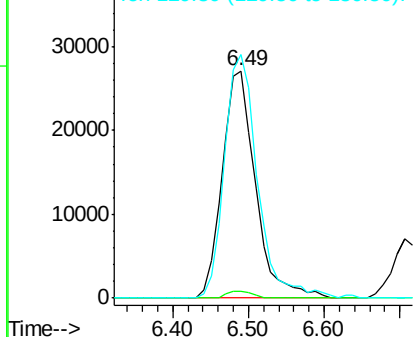
#28

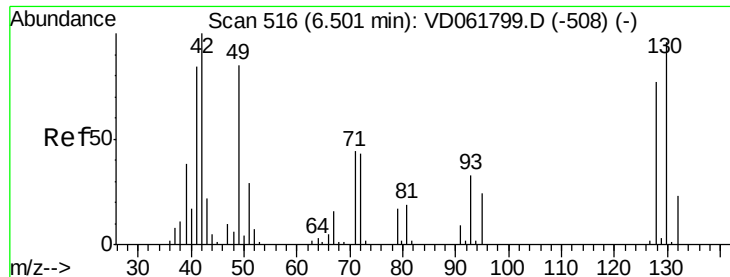
Bromochloromethane
Concen: 20.854 ug/l
RT: 6.49 min Scan# 515
Delta R.T. -0.00 min
Lab File: VD061798.D
Acq: 15 Apr 2019 13:41

Tgt Ion: 49 Resp: 82393
Ion Ratio Lower Upper
49 100
129 3.0 0.0 6.6
130 107.1 86.7 130.1



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

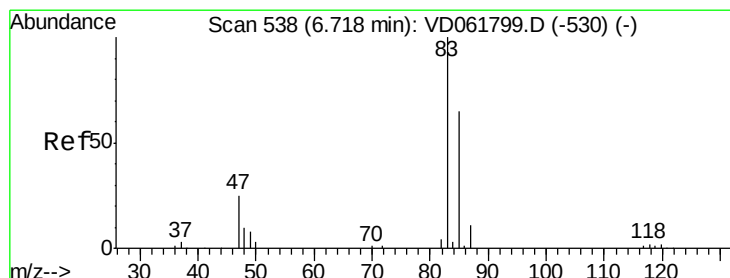
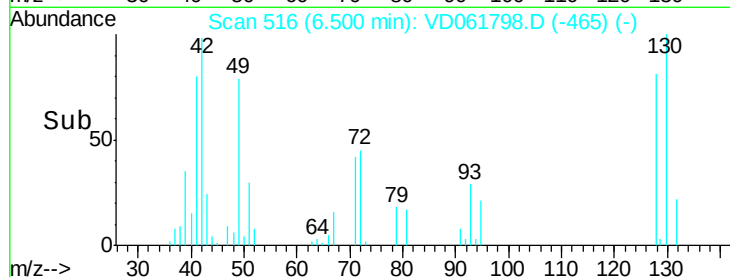
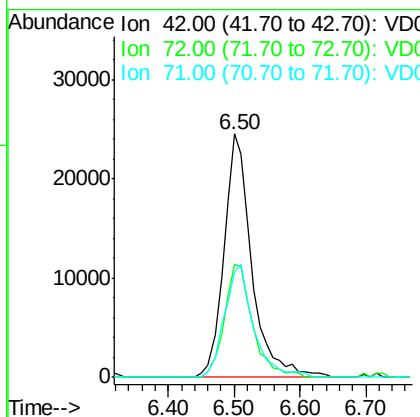
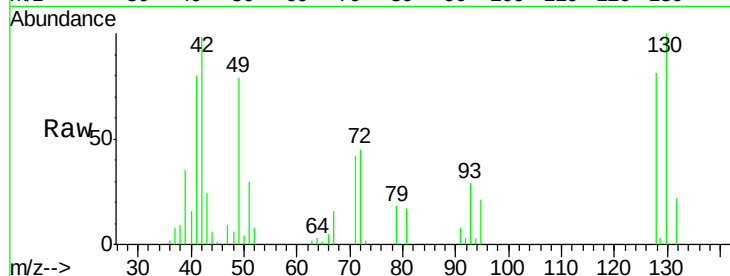




#29
Tetrahydrofuran
Concen: 100.607 ug/l
RT: 6.50 min Scan# 516
Delta R.T. -0.00 min
Lab File: VD061798.D
Acq: 15 Apr 2019 13:41

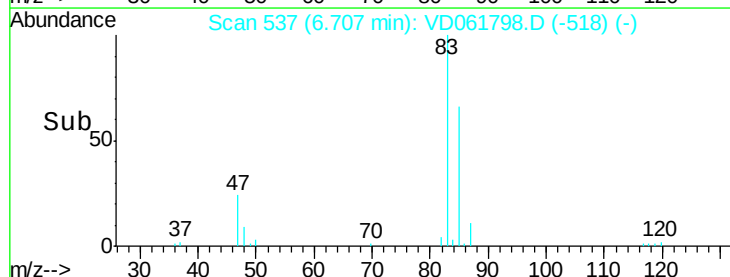
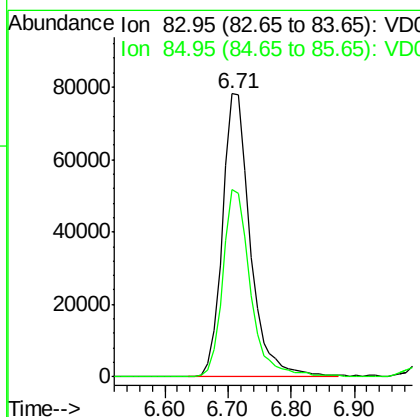
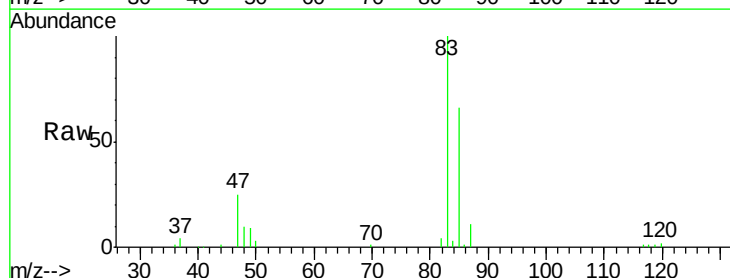
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

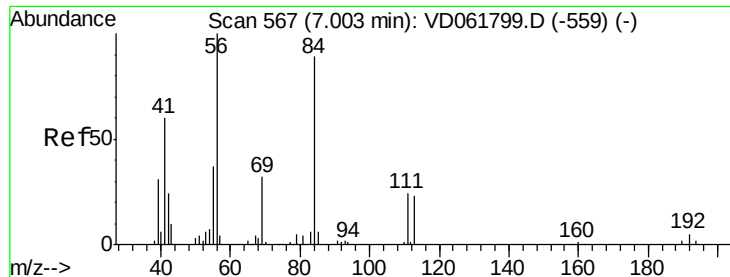
Tot Ion: 42 Resp: 72282
Ion Ratio Lower Upper
42 100
72 47.2 37.8 56.6
71 48.4 36.7 55.1



#30
Chloroform
Concen: 20.641 ug/l
RT: 6.71 min Scan# 537
Delta R.T. -0.01 min
Lab File: VD061798.D
Acq: 15 Apr 2019 13:41

Tgt Ion: 83 Resp: 239415
Ion Ratio Lower Upper
83 100
85 66.3 51.7 77.5

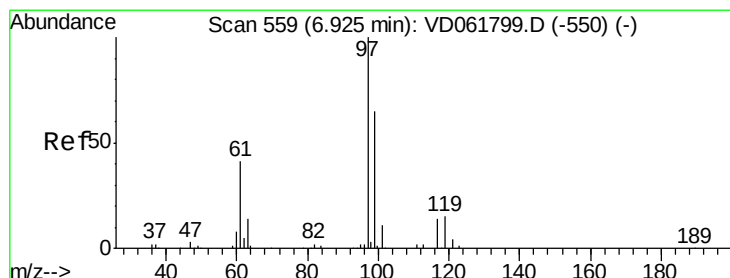
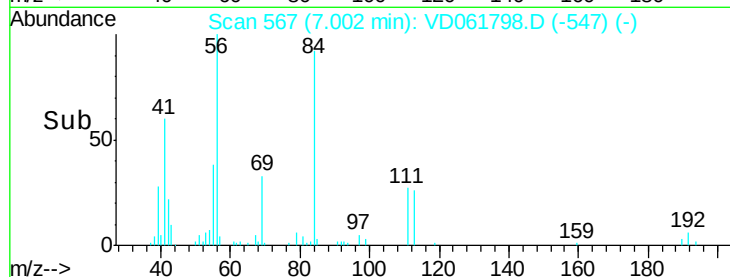
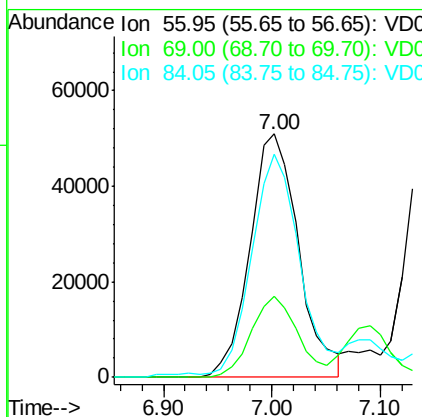
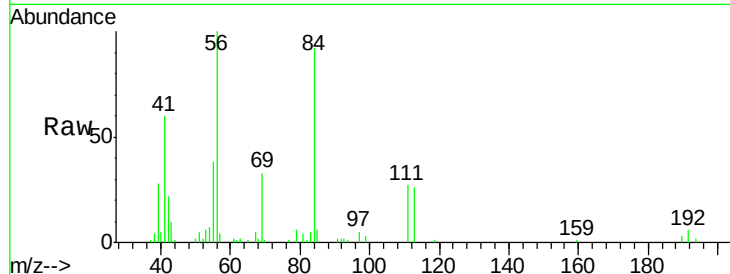




#31
Cyclohexane
Concen: 19.993 ug/l
RT: 7.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VD061798.D
Acq: 15 Apr 2019 13:41

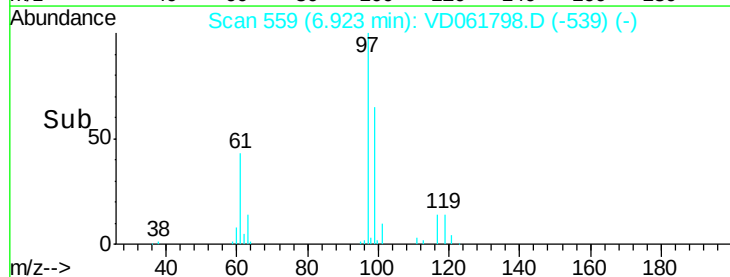
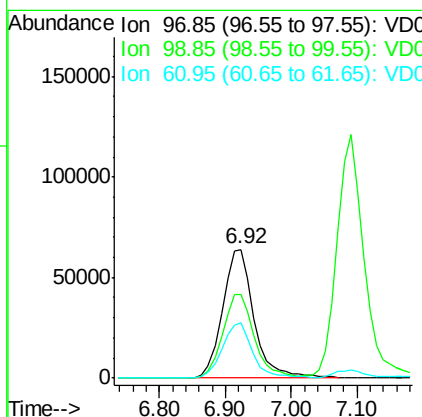
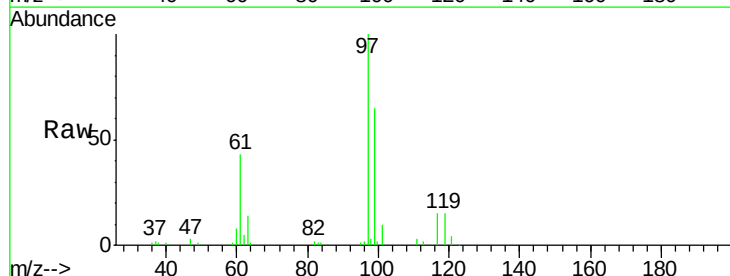
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

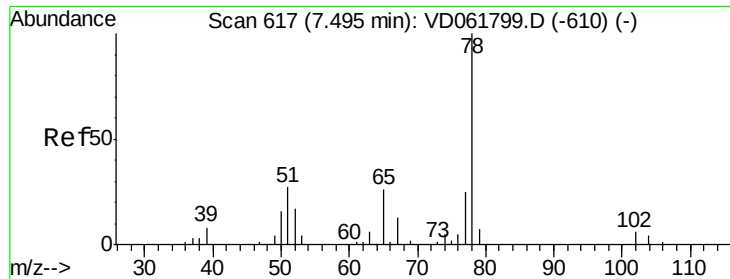
Tot Ion: 56 Resp: 159158
Ion Ratio Lower Upper
56 100
69 33.2 25.8 38.6
84 91.7 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 20.629 ug/l
RT: 6.92 min Scan# 559
Delta R.T. -0.00 min
Lab File: VD061798.D
Acq: 15 Apr 2019 13:41

Tgt Ion: 97 Resp: 212104
Ion Ratio Lower Upper
97 100
99 65.0 52.2 78.2
61 43.0 32.4 48.6

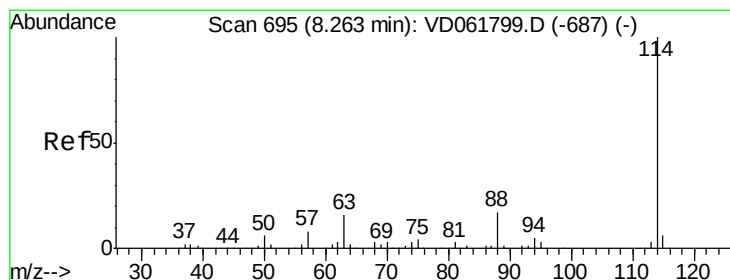
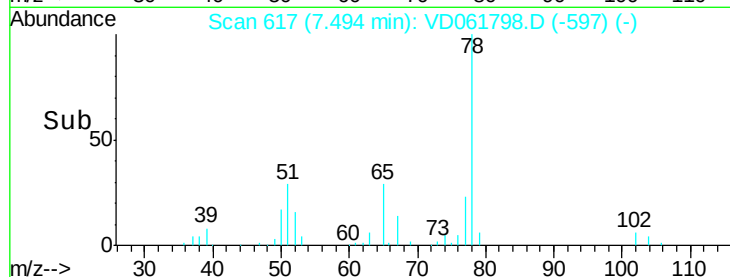
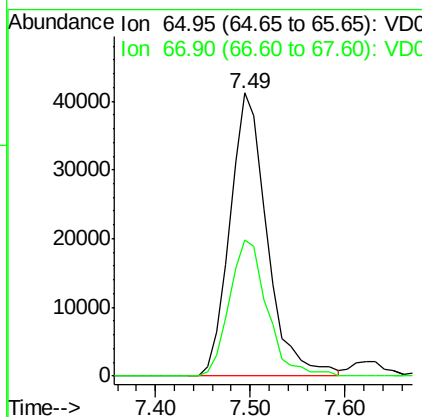
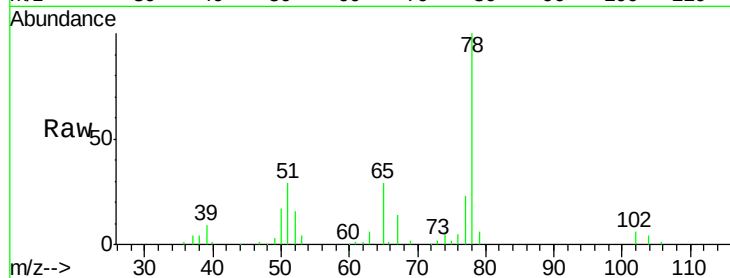




#33
 1,2-Dichloroethane-d4
 Concen: 20.629 ug/l
 RT: 7.49 min Scan# 617
 Delta R.T. -0.00 min
 Lab File: VD061798.D
 Acq: 15 Apr 2019 13:41

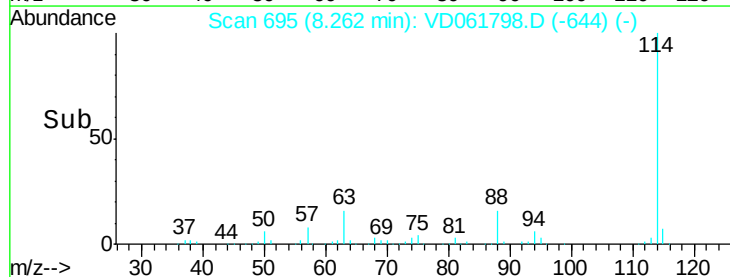
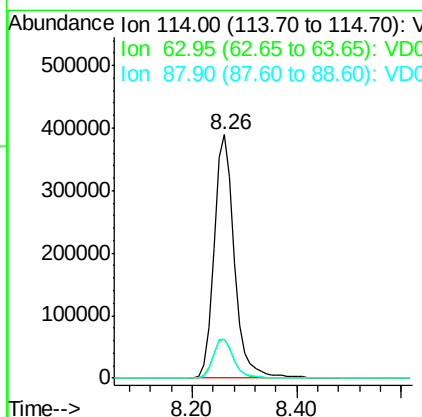
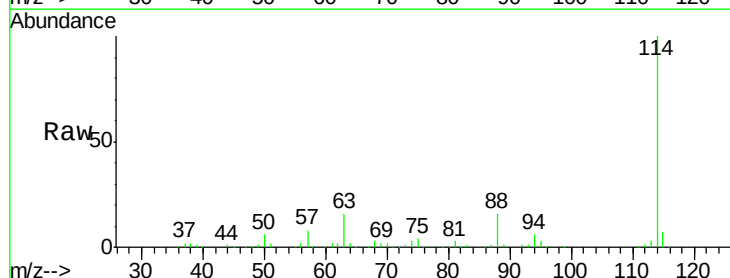
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

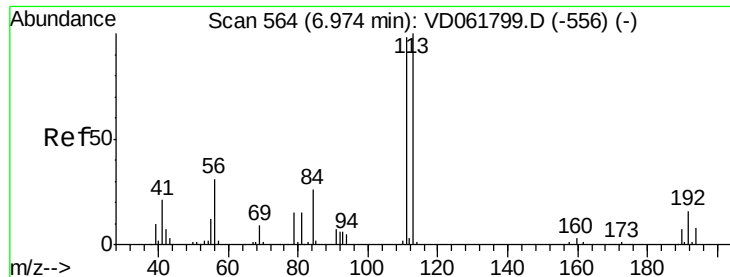
Tot Ion: 65 Resp: 111507
 Ion Ratio Lower Upper
 65 100
 67 48.3 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.26 min Scan# 695
 Delta R.T. -0.00 min
 Lab File: VD061798.D
 Acq: 15 Apr 2019 13:41

Tgt Ion: 114 Resp: 1043955
 Ion Ratio Lower Upper
 114 100
 63 15.9 0.0 32.4
 88 16.2 0.0 33.6

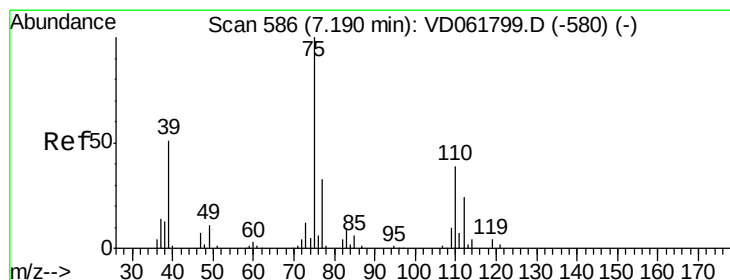
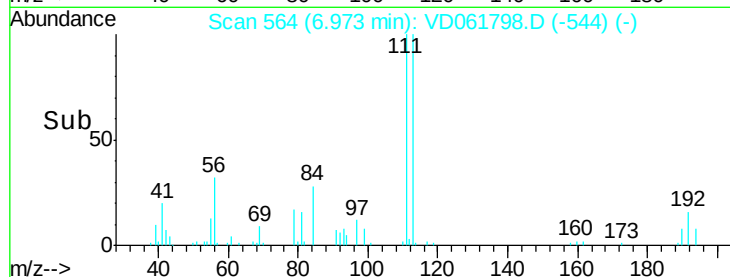
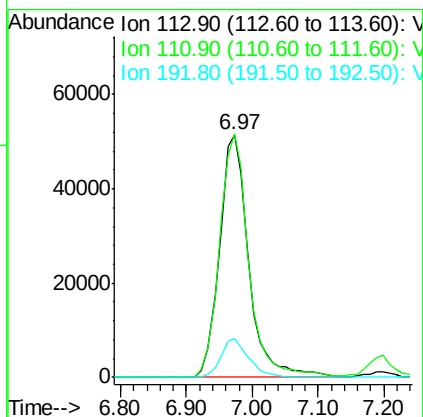
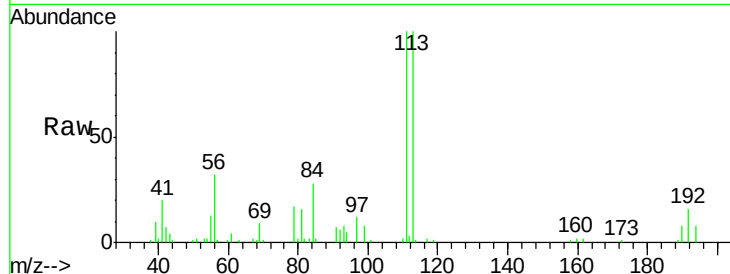




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.97 min Scan# 564
 Delta R.T. -0.00 min
 Lab File: VD061798.D
 Acq: 15 Apr 2019 13:41

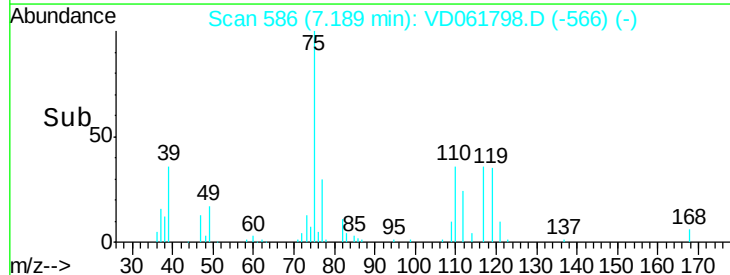
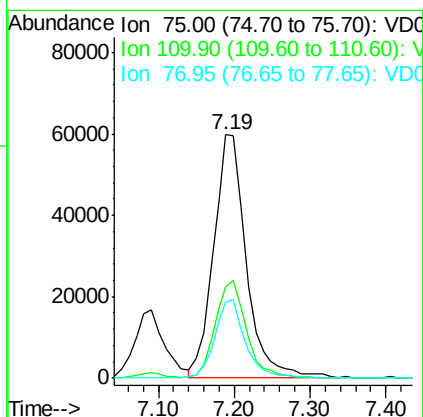
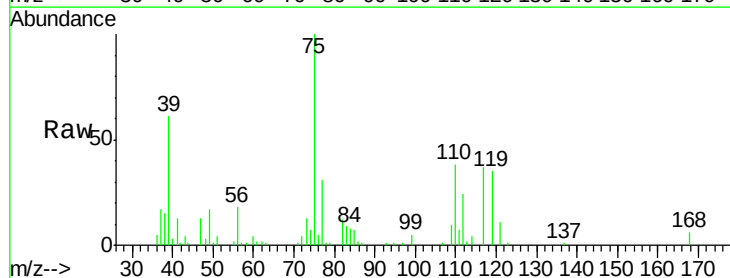
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

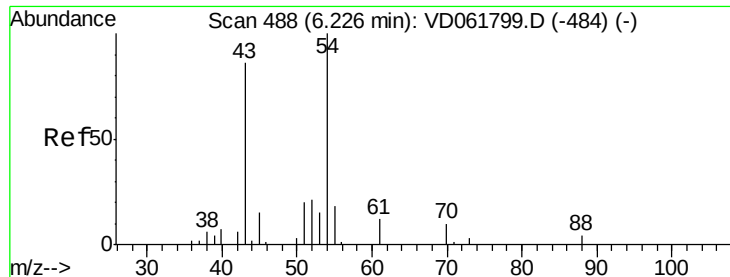
Tot Ion:113 Resp: 158765
 Ion Ratio Lower Upper
 113 100
 111 100.4 78.5 117.7
 192 16.2 13.0 19.4



#36
 1,1-Dichloropropene
 Concen: 21.069 ug/l
 RT: 7.19 min Scan# 586
 Delta R.T. -0.00 min
 Lab File: VD061798.D
 Acq: 15 Apr 2019 13:41

Tgt Ion: 75 Resp: 179768
 Ion Ratio Lower Upper
 75 100
 110 37.5 19.1 57.1
 77 31.1 25.6 38.4

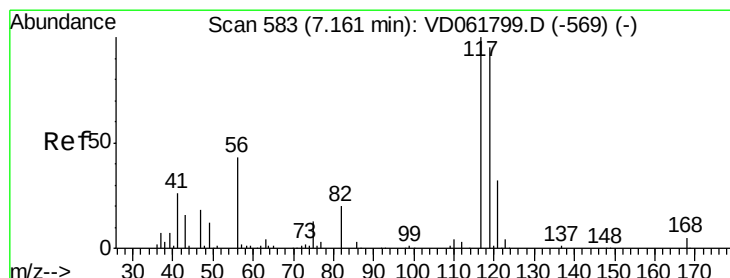
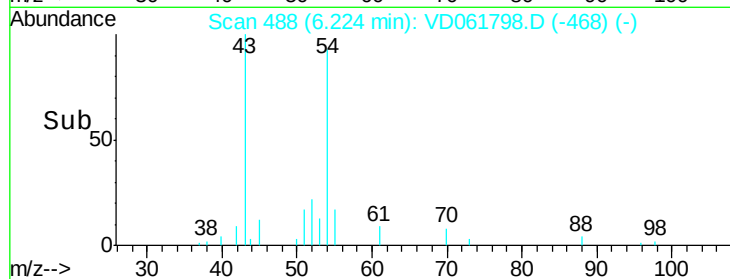
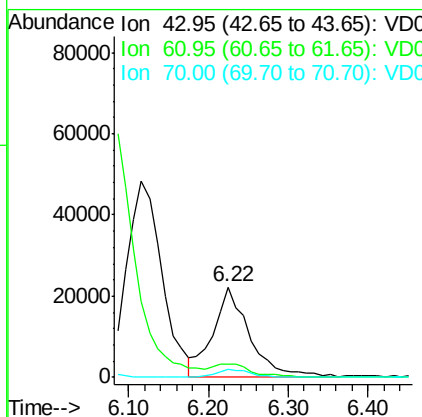
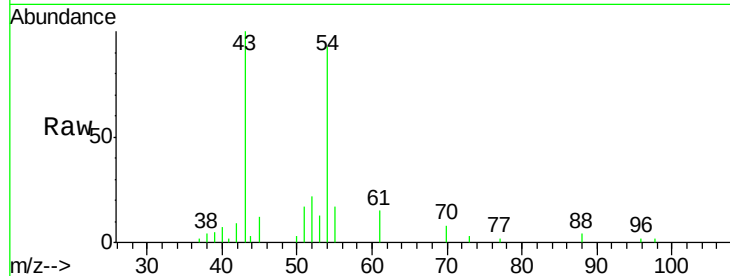




#37
Ethyl Acetate
Concen: 19.624 ug/l
RT: 6.22 min Scan# 488
Delta R.T. -0.00 min
Lab File: VD061798.D
Acq: 15 Apr 2019 13:41

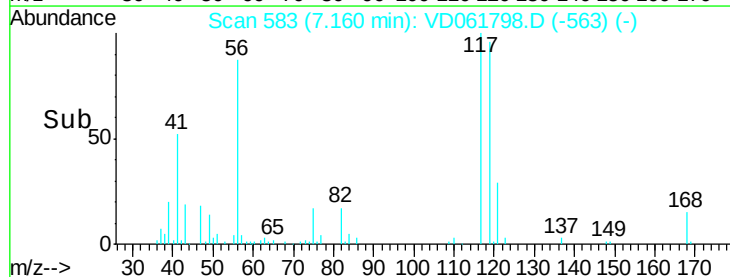
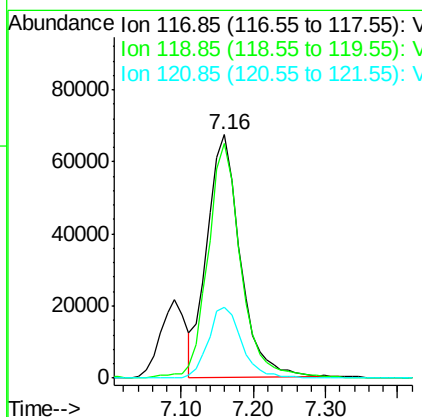
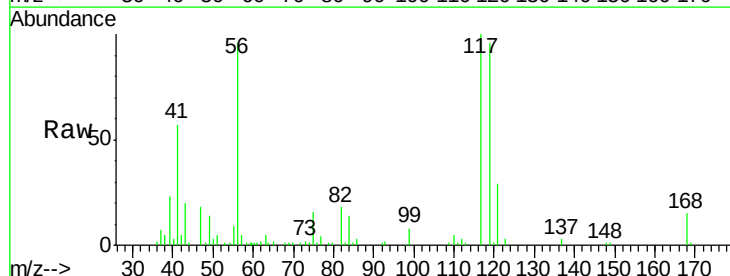
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

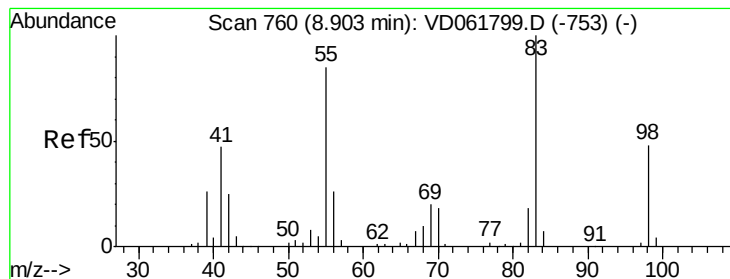
Tot Ion: 43 Resp: 71651
Ion Ratio Lower Upper
43 100
61 15.0 14.7 22.1
70 8.5 7.8 11.6



#38
Carbon Tetrachloride
Concen: 19.218 ug/l
RT: 7.16 min Scan# 583
Delta R.T. -0.00 min
Lab File: VD061798.D
Acq: 15 Apr 2019 13:41

Tgt Ion: 117 Resp: 213436
Ion Ratio Lower Upper
117 100
119 96.1 75.8 113.8
121 29.0 25.9 38.9





#39

Methylvlcyclohexane

Concen: 18.049 ug/l

RT: 8.90 min Scan# 760

Delta R.T. -0.00 min

Lab File: VD061798.D

Acq: 15 Apr 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

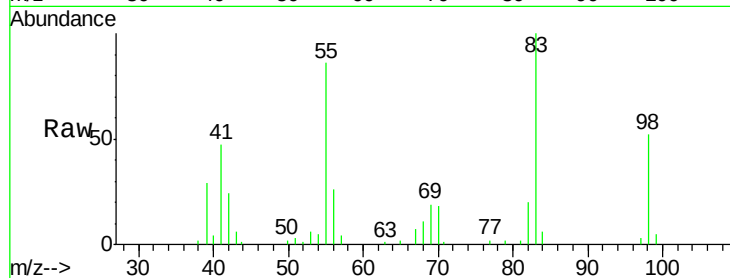
Tot Ion: 83 Resp: 159892

Ion Ratio Lower Upper

83 100

55 86.3 68.2 102.4

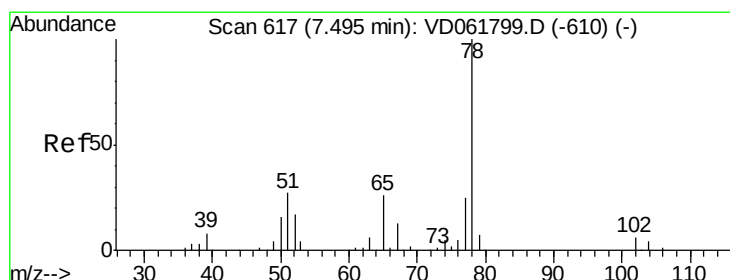
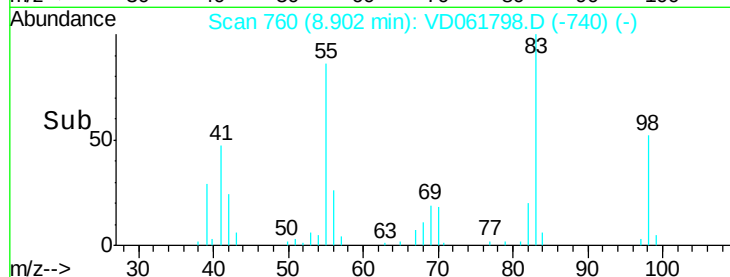
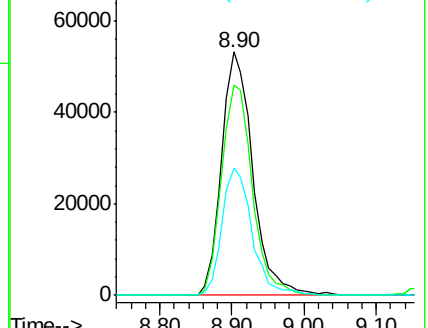
98 52.2 38.2 57.4



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: 20.739 ug/l

RT: 7.50 min Scan# 618

Delta R.T. 0.01 min

Lab File: VD061798.D

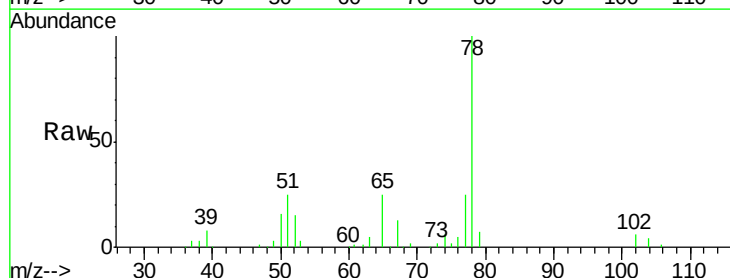
Acq: 15 Apr 2019 13:41

Tgt Ion: 78 Resp: 424806

Ion Ratio Lower Upper

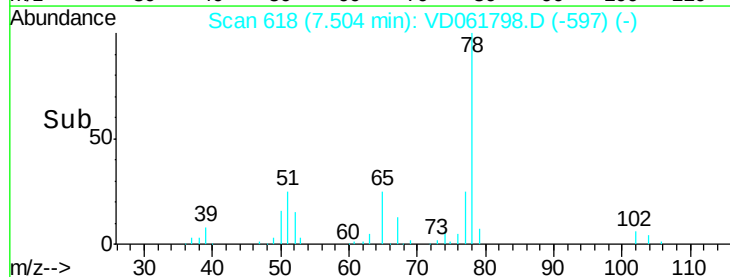
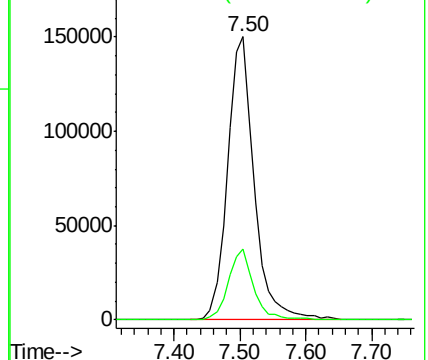
78 100

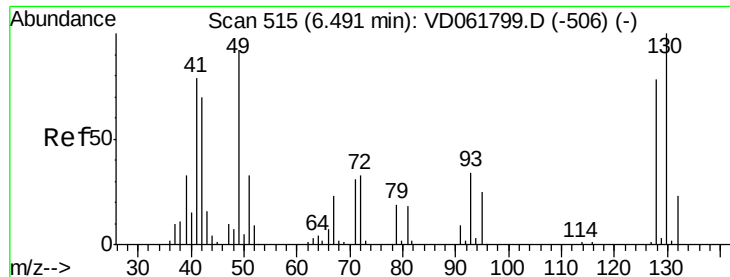
77 24.9 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

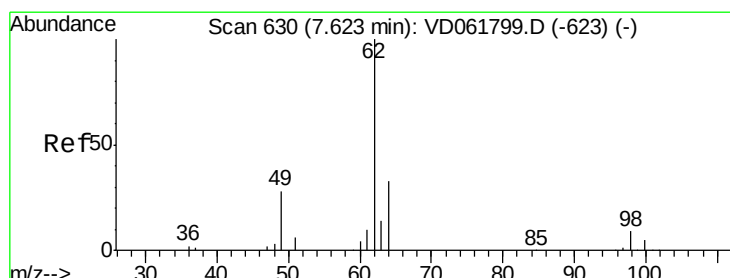
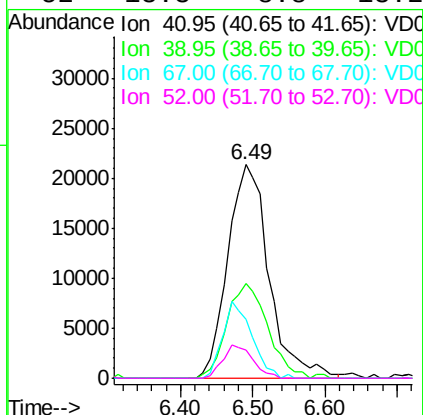
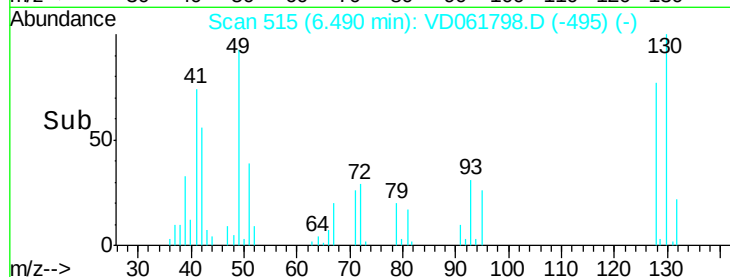
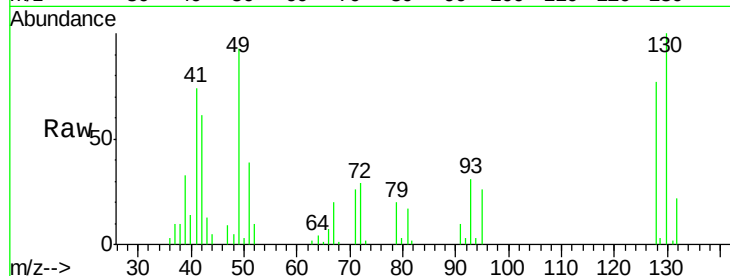




#41
Methacrylonitrile
Concen: 19.679 ug/l
RT: 6.49 min Scan# 515
Delta R.T. -0.00 min
Lab File: VD061798.D
Acq: 15 Apr 2019 13:41

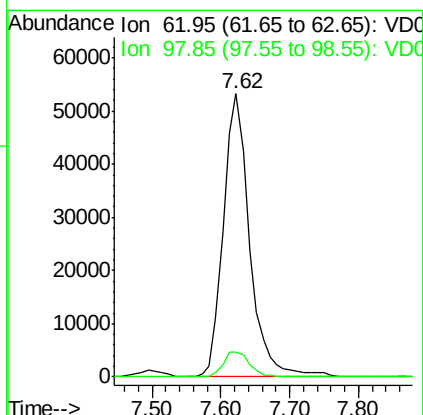
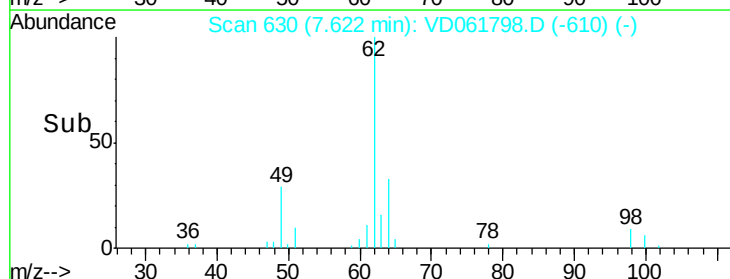
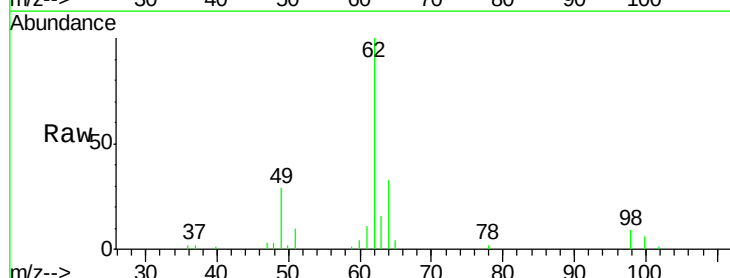
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

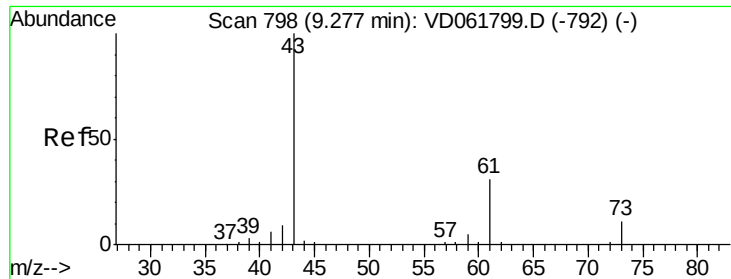
Tot Ion: 41 Resp: 84925
Ion Ratio Lower Upper
41 100
39 44.4 34.1 51.1
67 27.4 23.8 35.6
52 13.3 8.8 13.2#



#42
1,2-Dichloroethane
Concen: 19.732 ug/l
RT: 7.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VD061798.D
Acq: 15 Apr 2019 13:41

Tgt Ion: 62 Resp: 140748
Ion Ratio Lower Upper
62 100
98 8.7 0.0 17.8

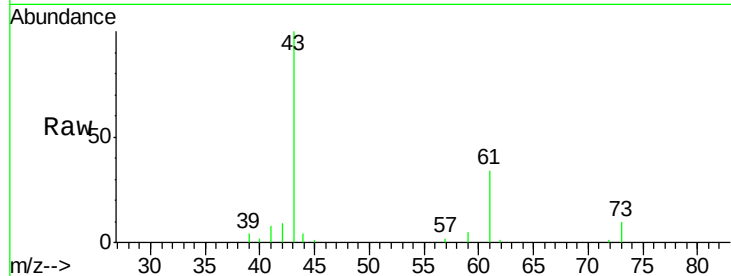




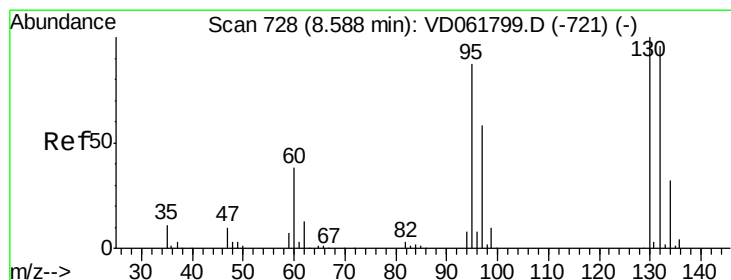
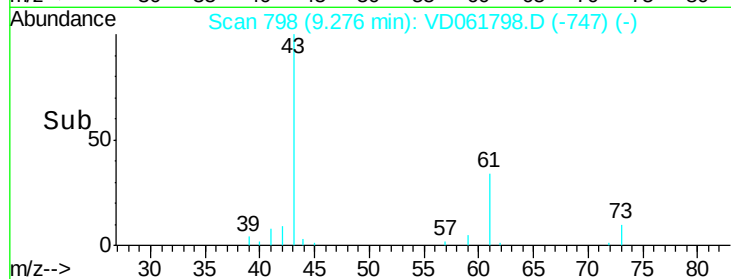
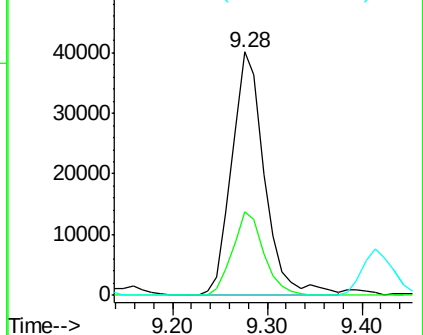
#43
Isopropyl Acetate
Concen: 18.681 ug/l
RT: 9.28 min Scan# 798
Delta R.T. -0.00 min
Lab File: VD061798.D
Acq: 15 Apr 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 95984
Ion Ratio Lower Upper
43 100
61 34.3 25.1 37.7
87 0.0 0.0 0.0

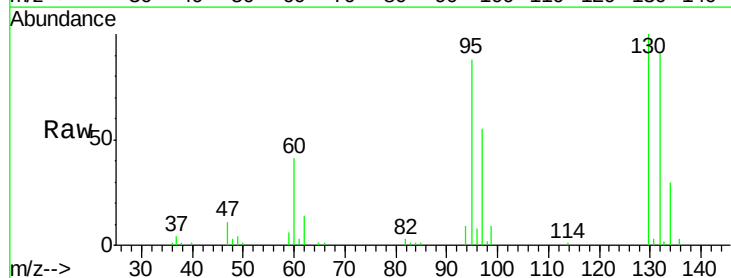


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

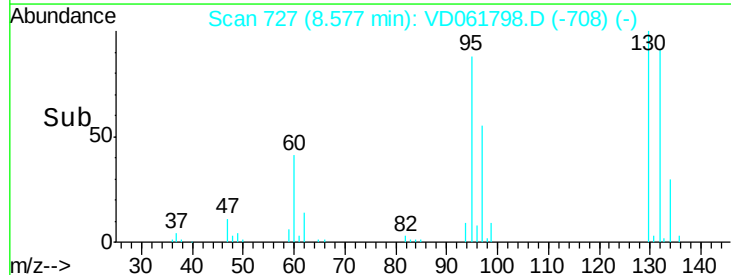
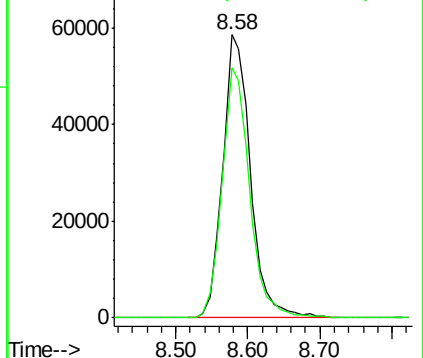


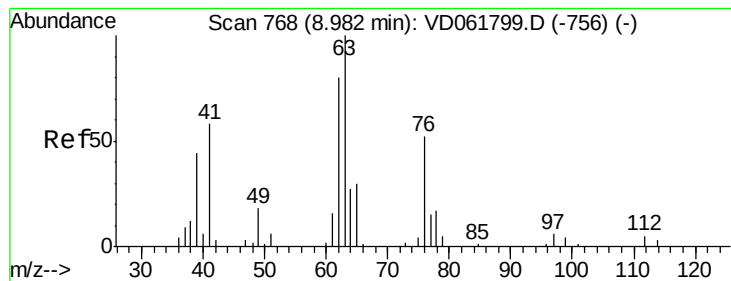
#44
Trichloroethene
Concen: 19.652 ug/l
RT: 8.58 min Scan# 727
Delta R.T. -0.01 min
Lab File: VD061798.D
Acq: 15 Apr 2019 13:41

Tgt Ion:130 Resp: 154940
Ion Ratio Lower Upper
130 100
95 88.3 0.0 174.0



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





#45

1,2-Dichloropropane

Concen: 20.415 ug/l

RT: 8.98 min Scan# 768

Delta R.T. -0.00 min

Lab File: VD061798.D

Acq: 15 Apr 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

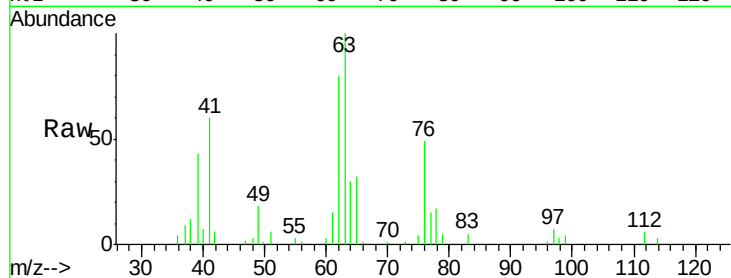
VSTDIC020

Tot Ion: 63 Resp: 108909

Ion Ratio Lower Upper

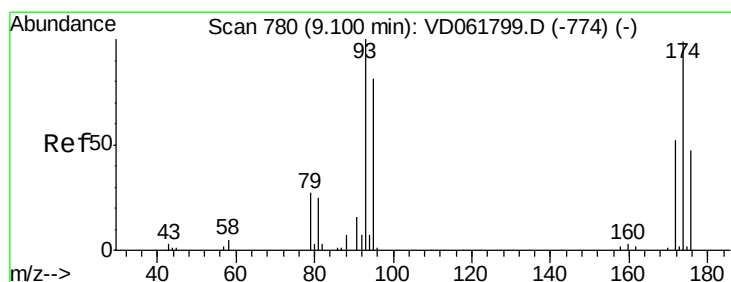
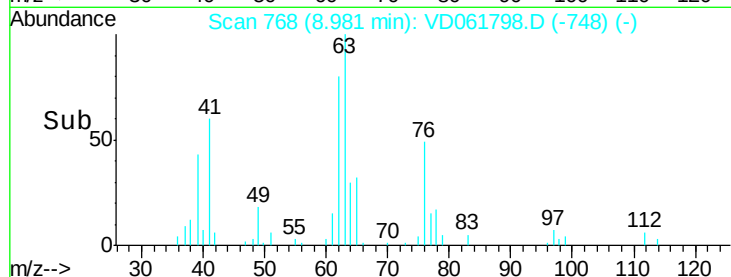
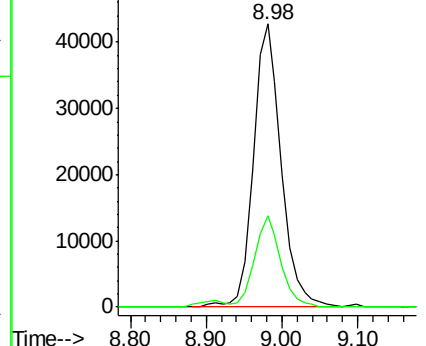
63 100

65 32.4 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 19.626 ug/l

RT: 9.10 min Scan# 780

Delta R.T. -0.00 min

Lab File: VD061798.D

Acq: 15 Apr 2019 13:41

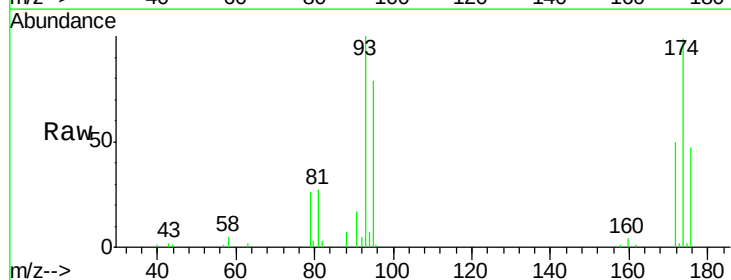
Tgt Ion: 93 Resp: 74601

Ion Ratio Lower Upper

93 100

95 78.7 64.8 97.2

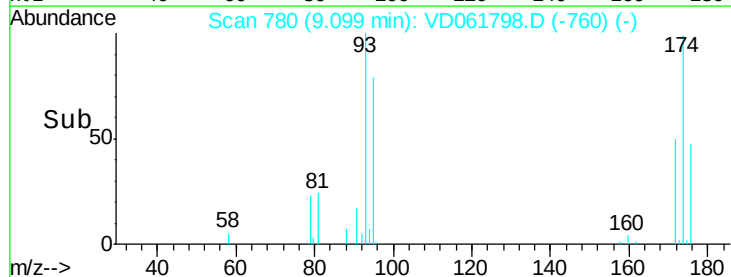
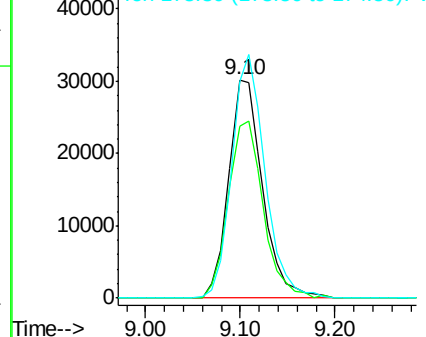
174 99.3 79.3 118.9

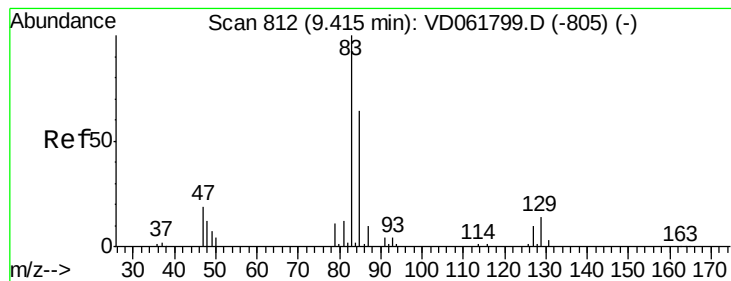


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.520 ug/l

RT: 9.41 min Scan# 812

Delta R.T. -0.00 min

Lab File: VD061798.D

Acq: 15 Apr 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

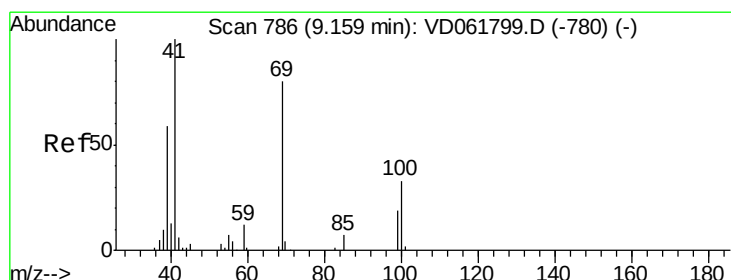
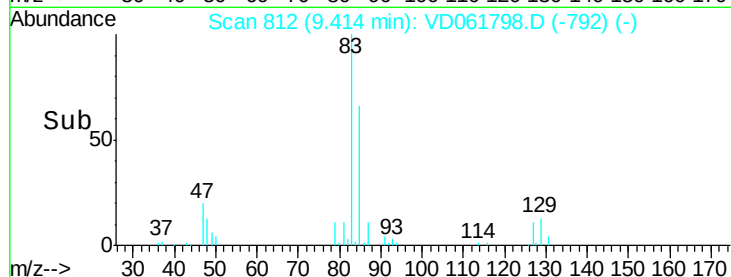
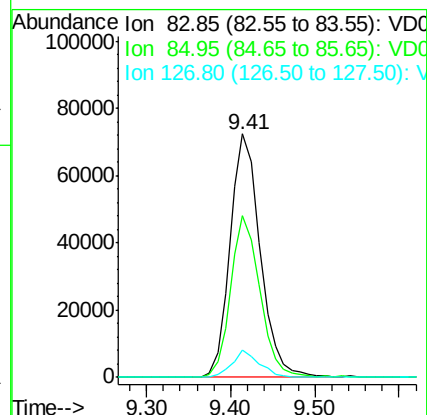
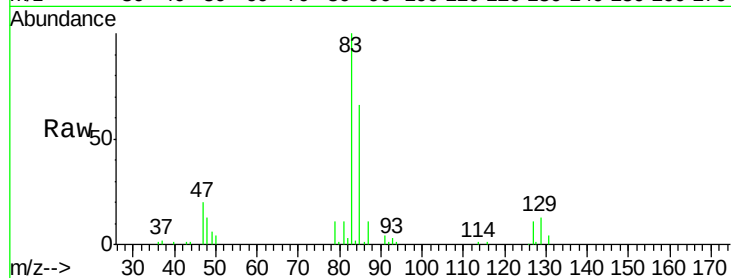
Tot Ion: 83 Resp: 179951

Ion Ratio Lower Upper

83 100

85 66.2 50.9 76.3

127 11.1 8.1 12.1



#48

Methyl methacrylate

Concen: 21.004 ug/l

RT: 9.16 min Scan# 786

Delta R.T. -0.00 min

Lab File: VD061798.D

Acq: 15 Apr 2019 13:41

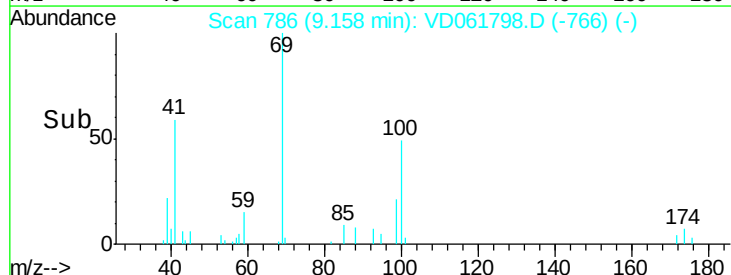
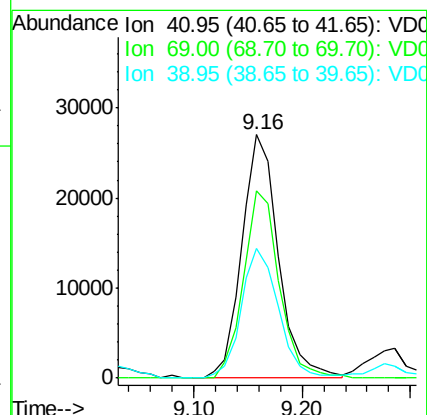
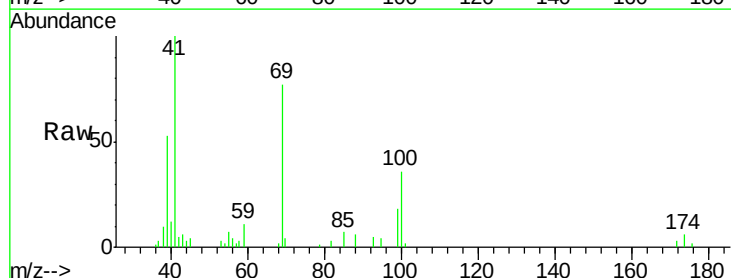
Tgt Ion: 41 Resp: 63436

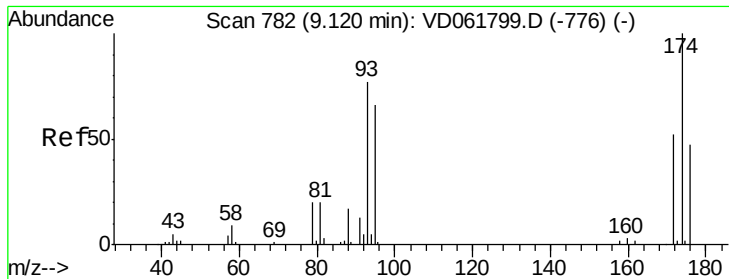
Ion Ratio Lower Upper

41 100

69 77.2 64.2 96.2

39 53.2 46.8 70.2

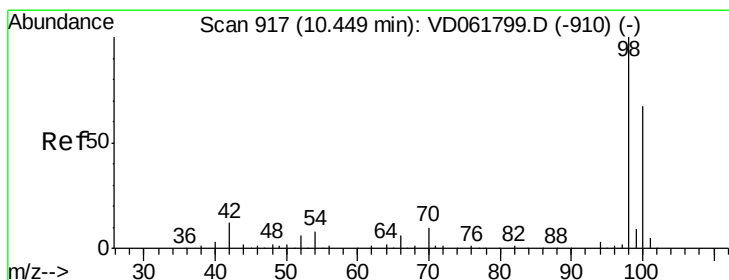
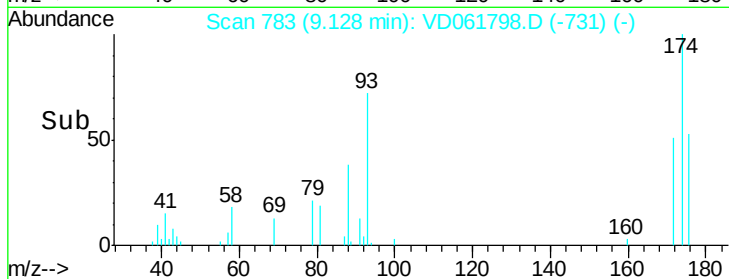
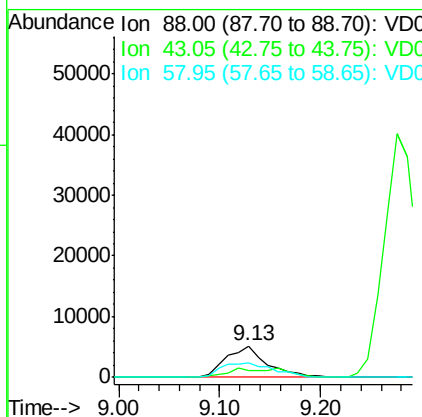
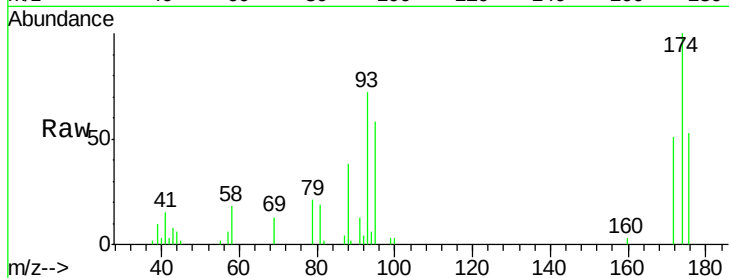




#49
1,4-Dioxane
Concen: 440.128 ug/l
RT: 9.13 min Scan# 783
Delta R.T. 0.01 min
Lab File: VD061798.D
Acq: 15 Apr 2019 13:41

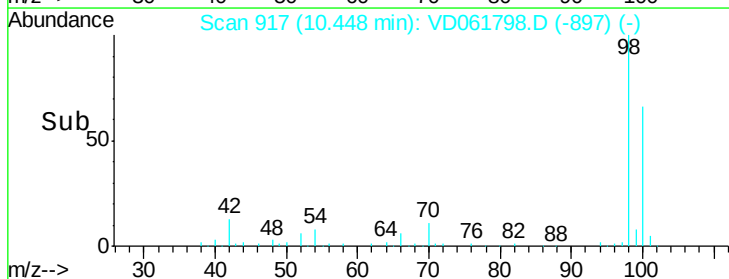
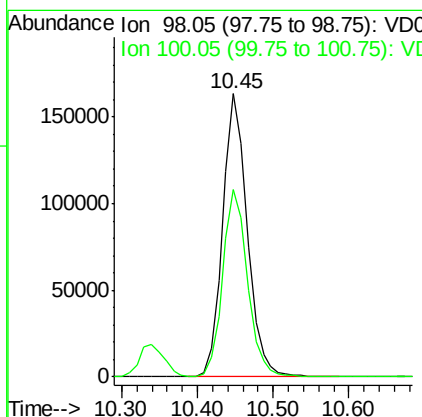
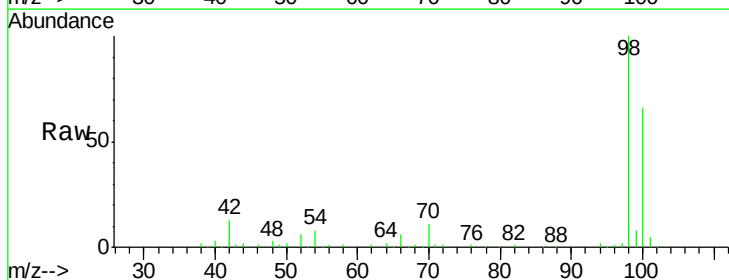
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

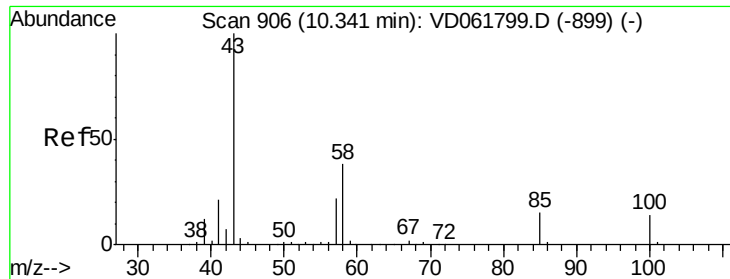
Tot Ion: 88 Resp: 14529
Ion Ratio Lower Upper
88 100
43 21.4 23.4 35.0#
58 47.3 44.0 66.0



#50
Toluene-d8
Concen: 440.128 ug/l
RT: 10.45 min Scan# 917
Delta R.T. -0.00 min
Lab File: VD061798.D
Acq: 15 Apr 2019 13:41

Tgt Ion: 98 Resp: 368834
Ion Ratio Lower Upper
98 100
100 66.2 53.8 80.8





#51

4-Methyl-2-Pentanone

Concen: 103.654 ug/l

RT: 10.34 min Scan# 906

Delta R.T. -0.00 min

Lab File: VD061798.D

Acq: 15 Apr 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

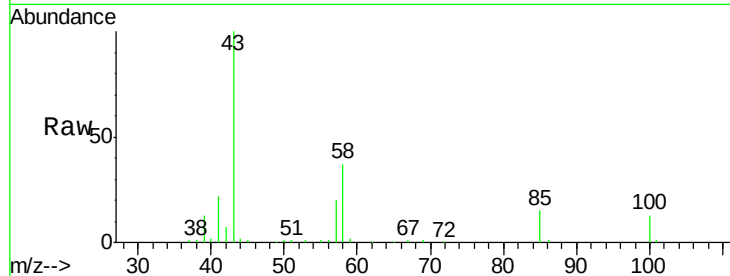
VSTDIC020

Tot Ion: 43 Resp: 325687

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

10.34

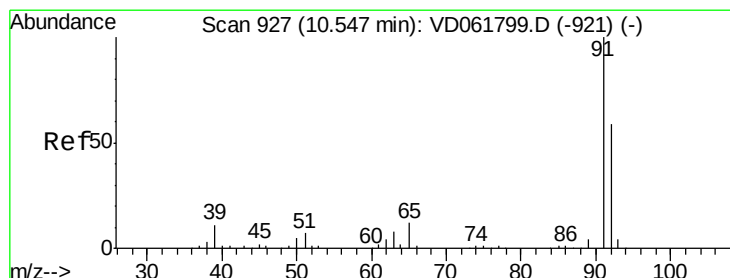
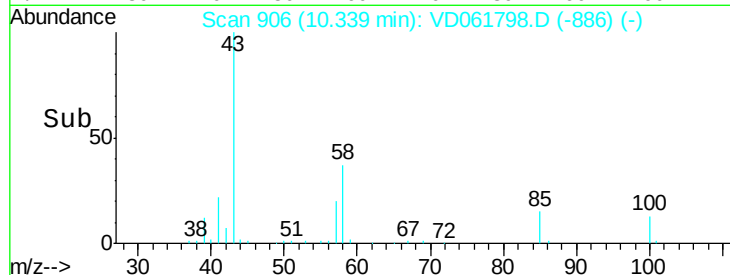
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.294 ug/l

RT: 10.55 min Scan# 927

Delta R.T. -0.00 min

Lab File: VD061798.D

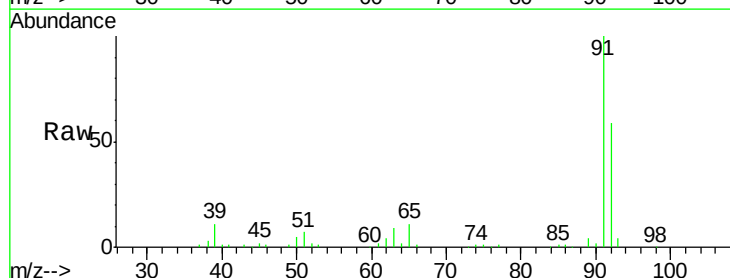
Acq: 15 Apr 2019 13:41

Tgt Ion: 92 Resp: 266355

Ion Ratio Lower Upper

92 100

91 169.3 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.55

200000

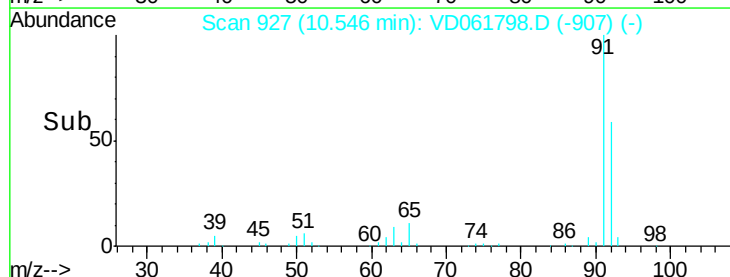
150000

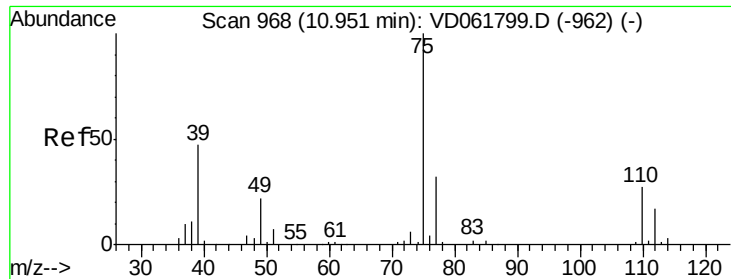
100000

50000

0

Time-->

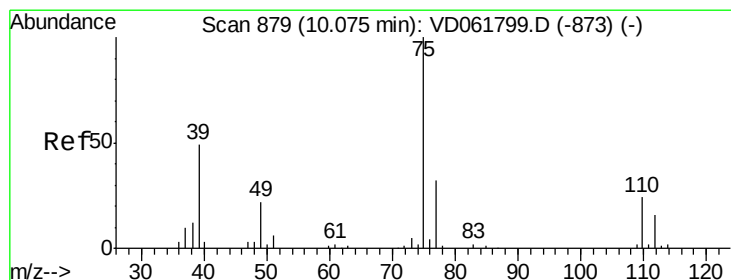
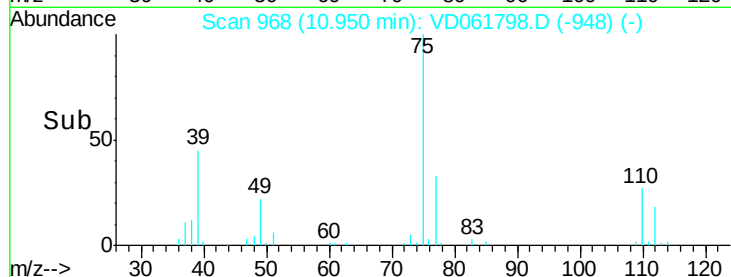
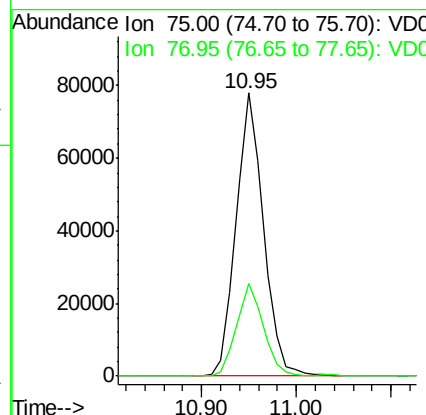
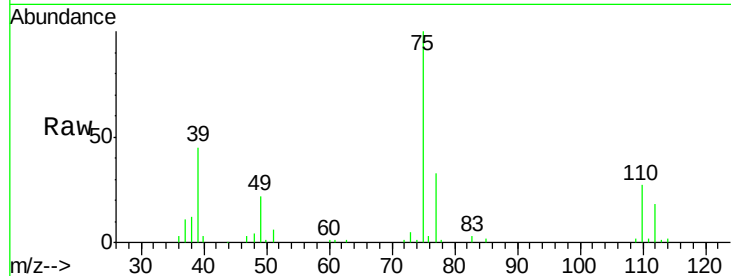




#53
 t-1,3-Dichloropropene
 Concen: 19.800 ug/l
 RT: 10.95 min Scan# 968
 Delta R.T. -0.00 min
 Lab File: VD061798.D
 Acq: 15 Apr 2019 13:41

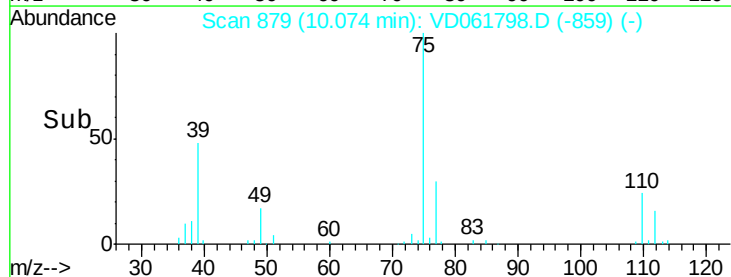
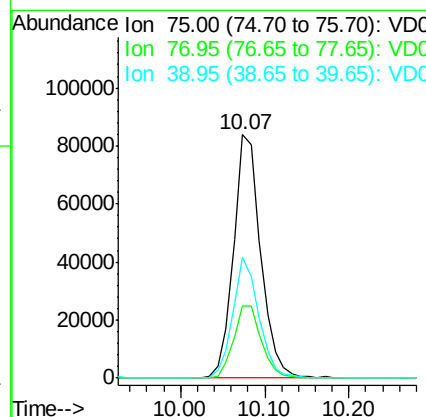
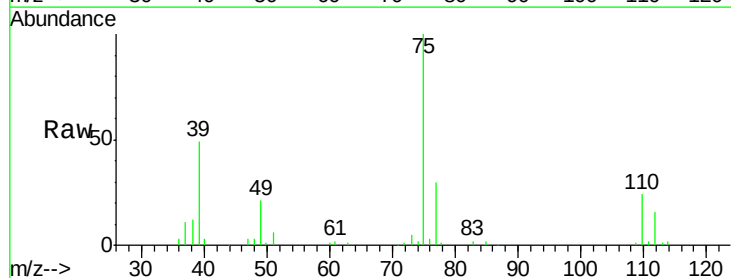
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

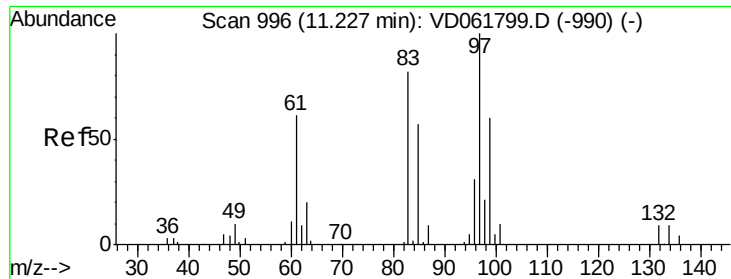
Tot Ion: 75 Resp: 156459
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 20.295 ug/l
 RT: 10.07 min Scan# 879
 Delta R.T. -0.00 min
 Lab File: VD061798.D
 Acq: 15 Apr 2019 13:41

Tgt Ion: 75 Resp: 188244
 Ion Ratio Lower Upper
 75 100
 77 29.5 25.5 38.3
 39 49.4 39.4 59.2

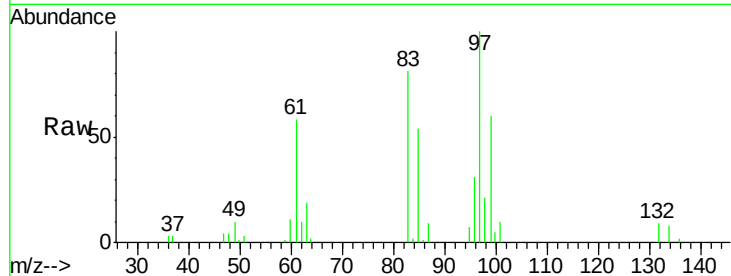




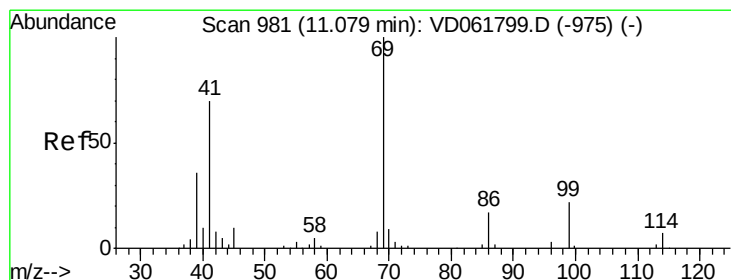
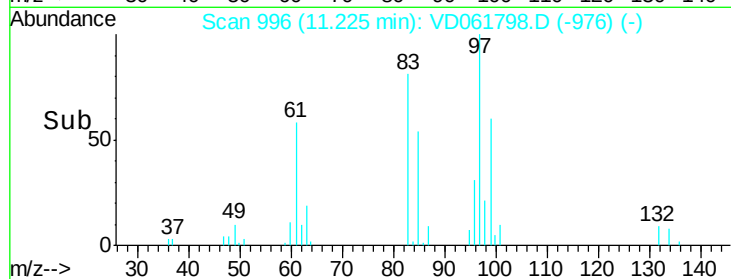
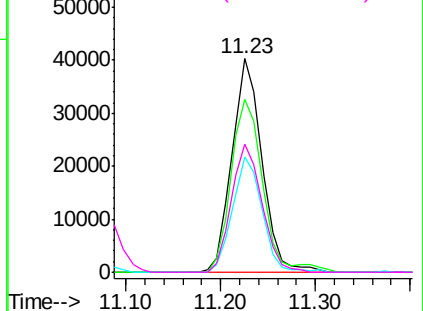
#55
 1,1,2-Trichloroethane
 Concen: 20.042 ug/l
 RT: 11.23 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VD061798.D
 Acq: 15 Apr 2019 13:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	88636
Ion	Ratio	Lower	Upper
97	100		
83	81.2	65.7	98.5
85	53.8	45.6	68.4
99	60.0	48.4	72.6

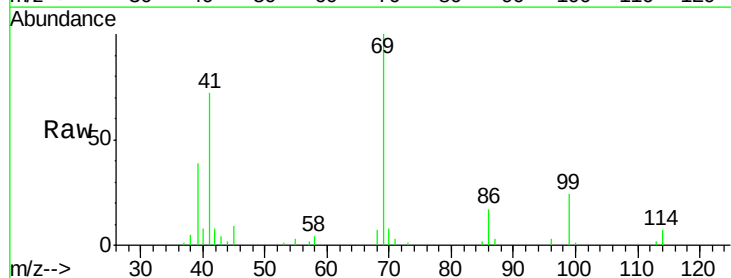


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

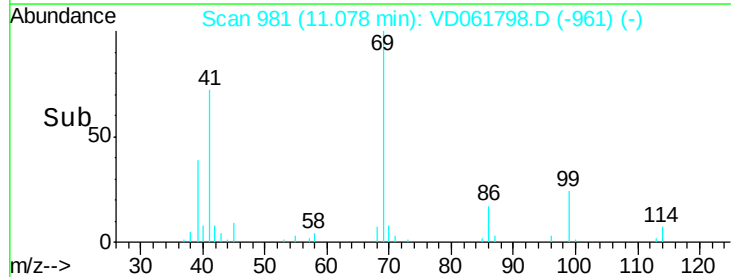
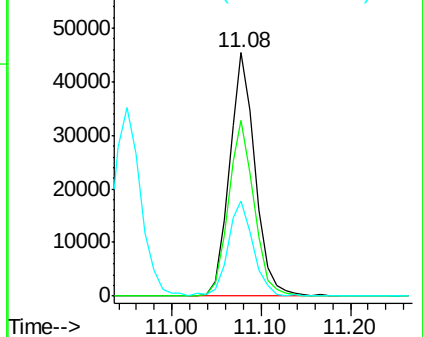


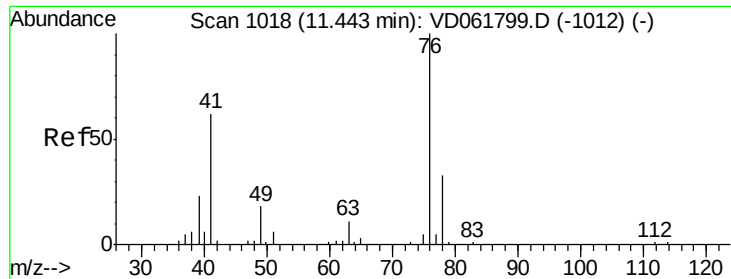
#56
 Ethyl methacrylate
 Concen: 18.848 ug/l
 RT: 11.08 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VD061798.D
 Acq: 15 Apr 2019 13:41

Tgt Ion:	69	Resp:	91483
Ion	Ratio	Lower	Upper
69	100		
41	72.3	56.3	84.5
39	39.3	29.4	44.2



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

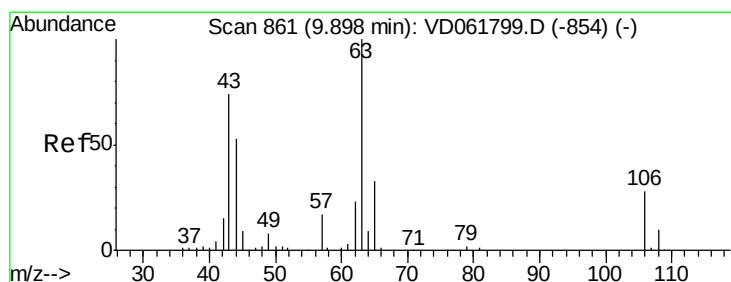
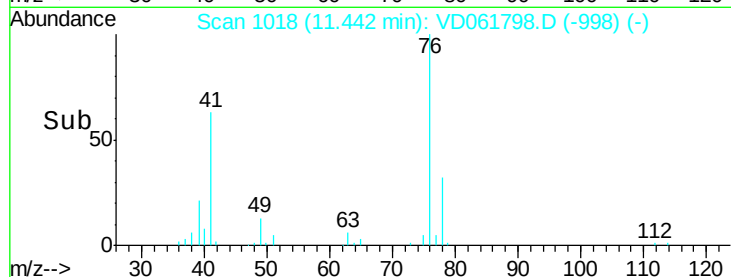
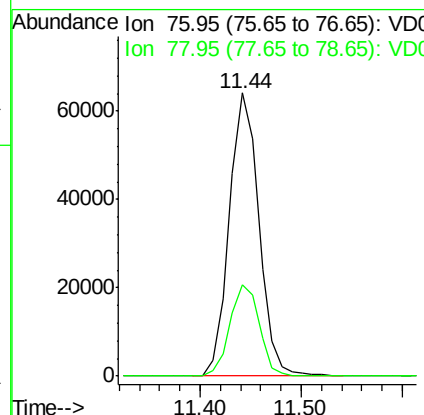
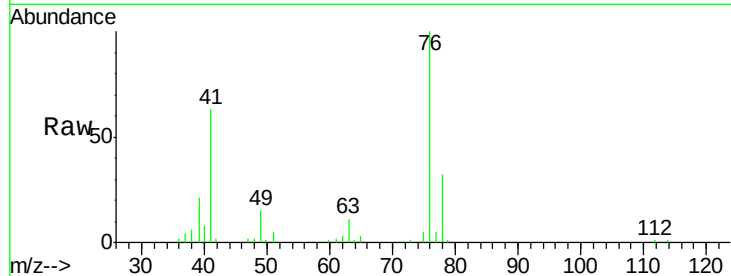




#57
 1,3-Dichloropropane
 Concen: 19.738 ug/l
 RT: 11.44 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VD061798.D
 Acq: 15 Apr 2019 13:41

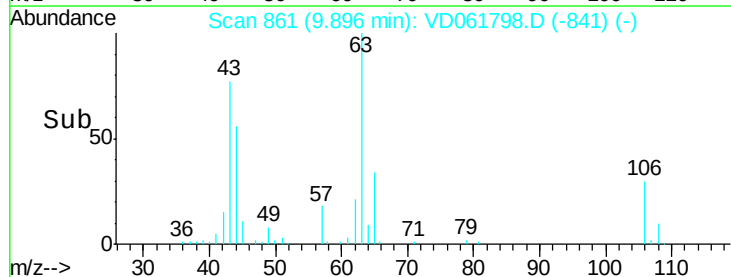
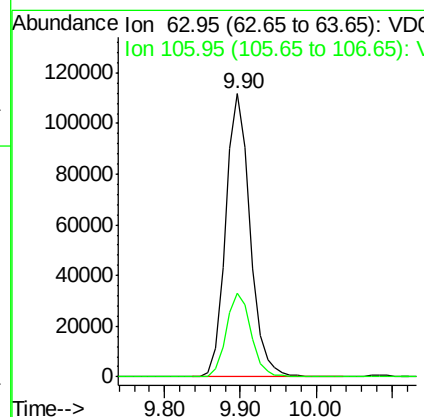
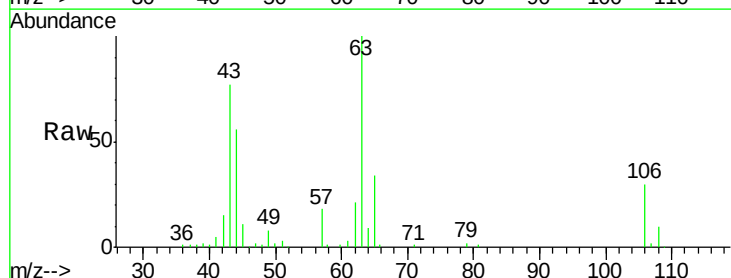
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

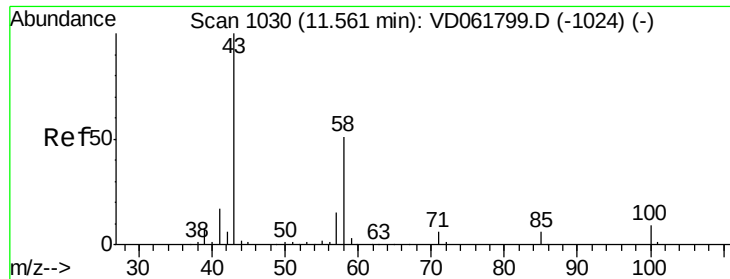
Tot Ion: 76 Resp: 131231
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.162 ug/l
 RT: 9.90 min Scan# 861
 Delta R.T. -0.00 min
 Lab File: VD061798.D
 Acq: 15 Apr 2019 13:41

Tgt Ion: 63 Resp: 249713
 Ion Ratio Lower Upper
 63 100
 106 29.6 22.6 34.0

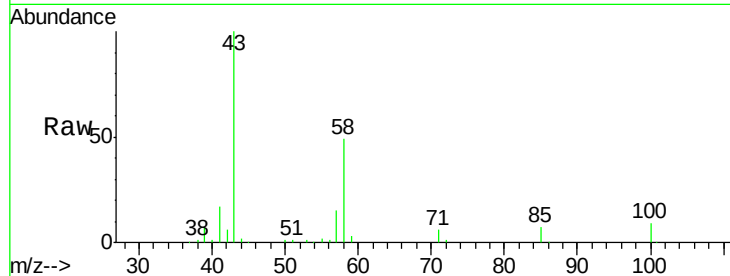




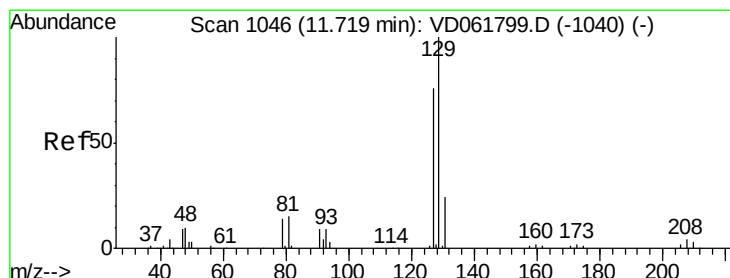
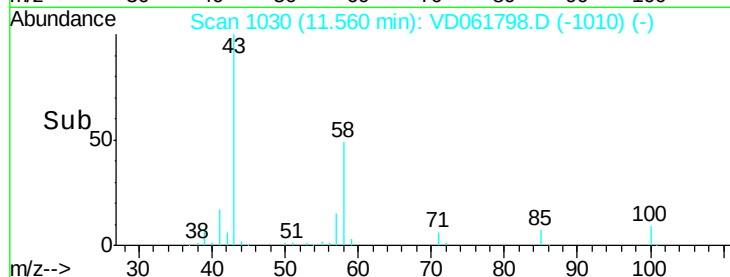
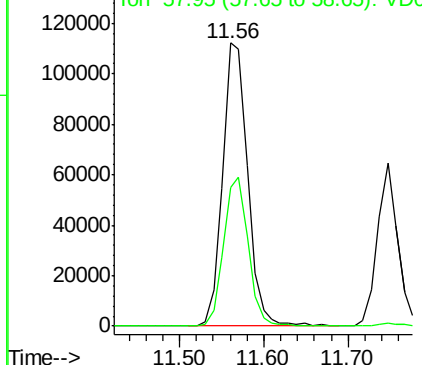
#59
2-Hexanone
Concen: 98.915 ug/l
RT: 11.56 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD061798.D
Acq: 15 Apr 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 230836
Ion Ratio Lower Upper
43 100
58 48.9 25.4 76.4

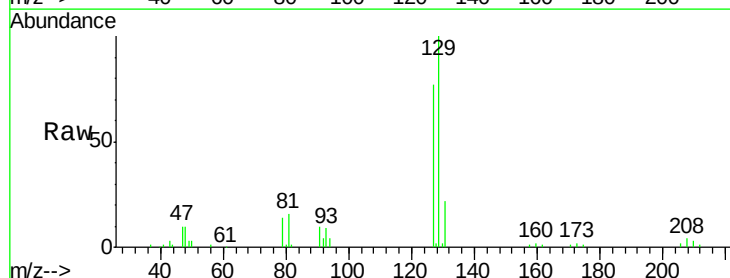


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

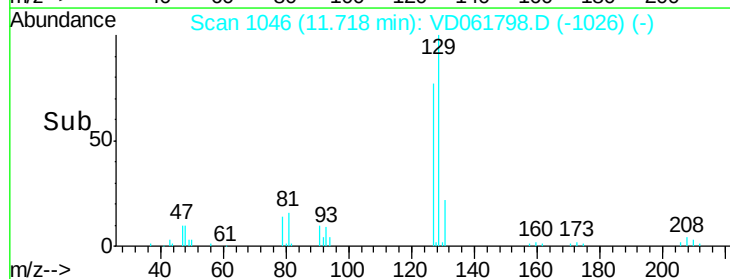
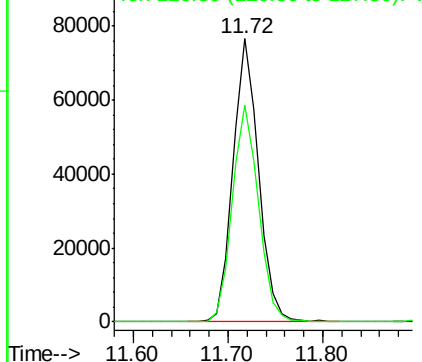


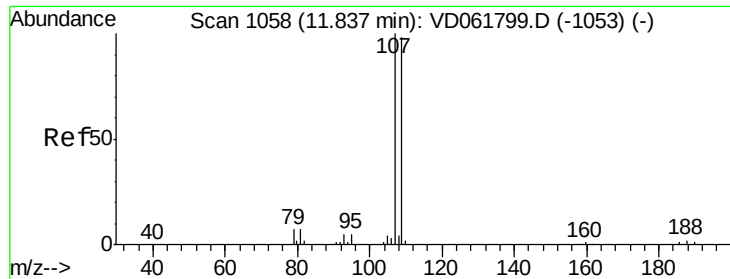
#60
Dibromochloromethane
Concen: 19.790 ug/l
RT: 11.72 min Scan# 1046
Delta R.T. -0.00 min
Lab File: VD061798.D
Acq: 15 Apr 2019 13:41

Tgt Ion: 129 Resp: 143205
Ion Ratio Lower Upper
129 100
127 76.7 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: 19.383 ug/l

RT: 11.84 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VD061798.D

Acq: 15 Apr 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

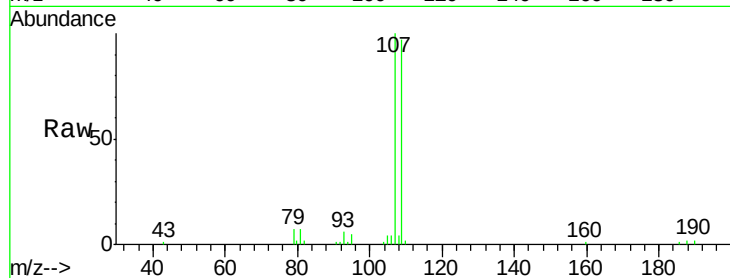
VSTDIC020

Tot Ion:107 Resp: 105403

Ion Ratio Lower Upper

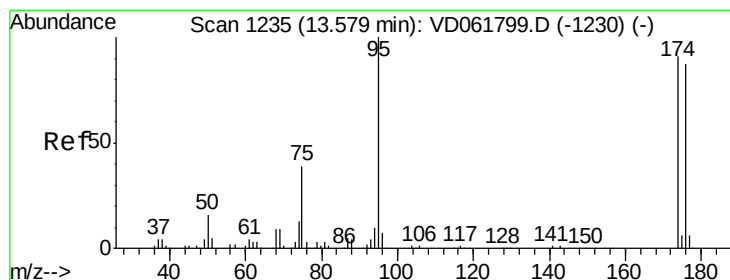
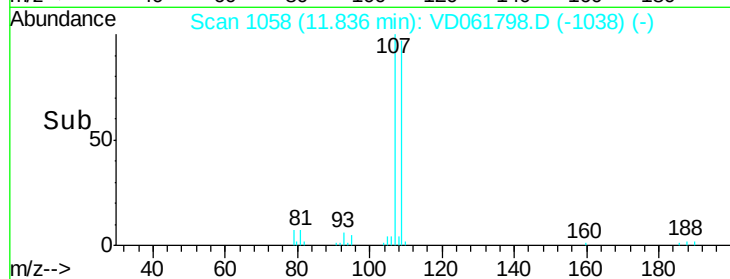
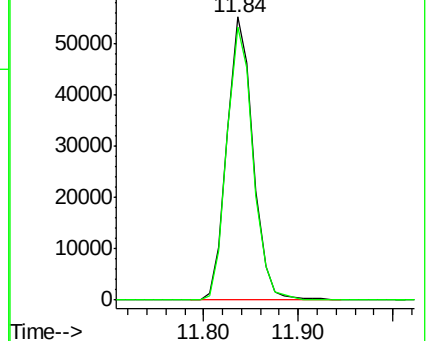
107 100

109 96.6 78.3 117.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 19.383 ug/l

RT: 13.58 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VD061798.D

Acq: 15 Apr 2019 13:41

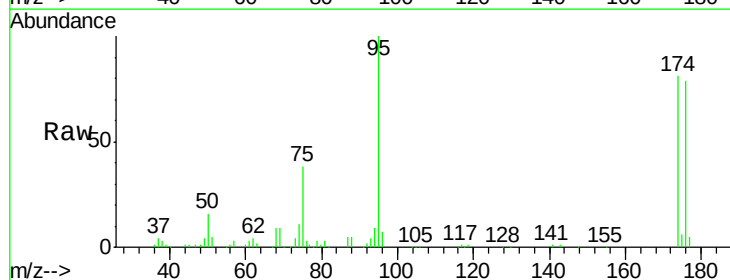
Tgt Ion: 95 Resp: 160083

Ion Ratio Lower Upper

95 100

174 81.0 0.0 181.8

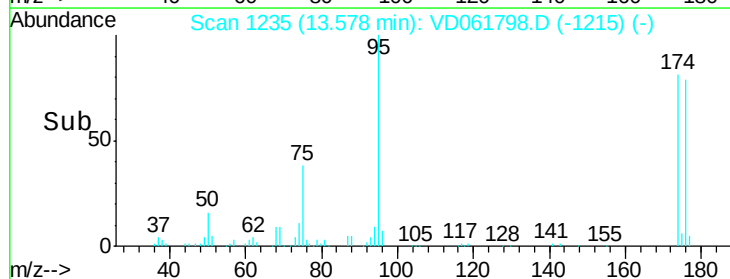
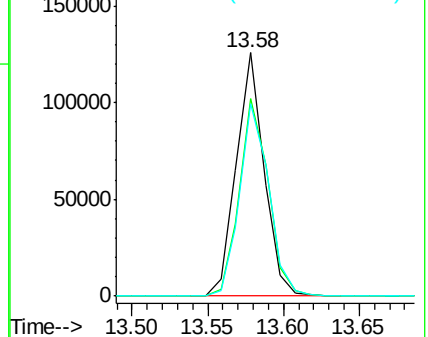
176 79.1 0.0 174.4

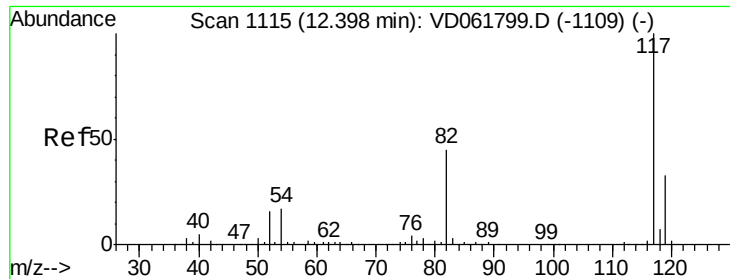


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

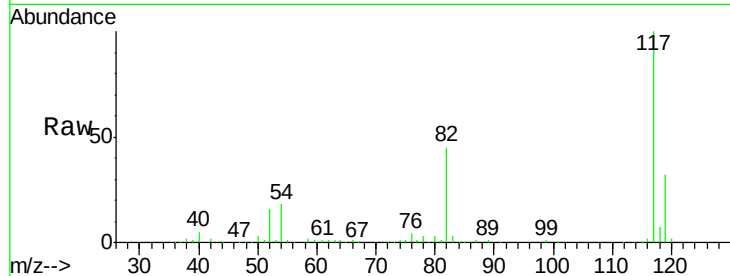




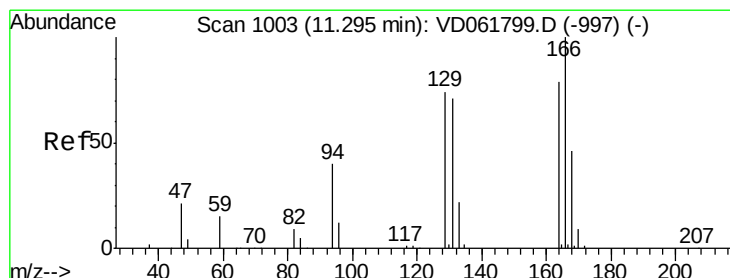
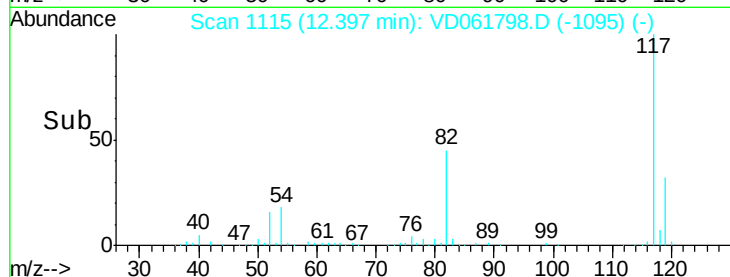
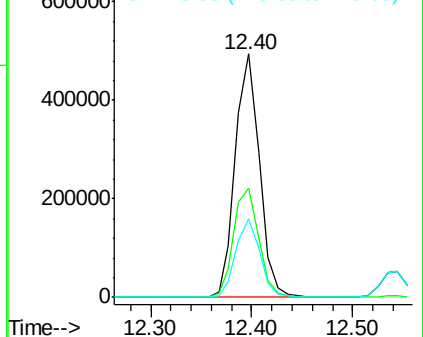
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD061798.D
Acq: 15 Apr 2019 13:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:117 Resp: 825315
Ion Ratio Lower Upper
117 100
82 44.8 36.2 54.2
119 32.2 26.2 39.4

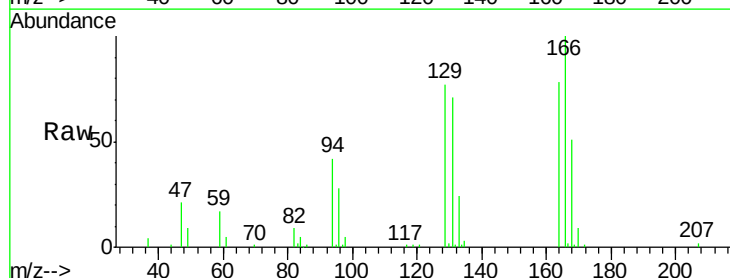


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

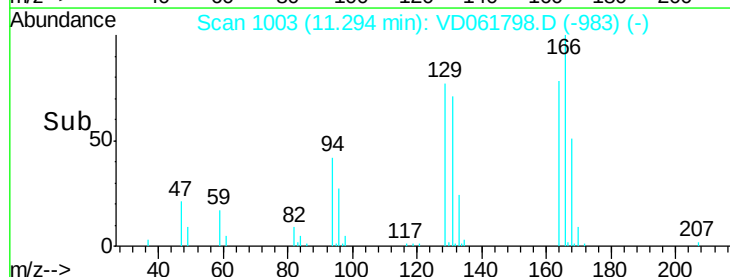
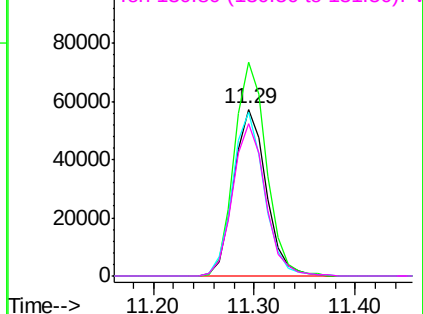


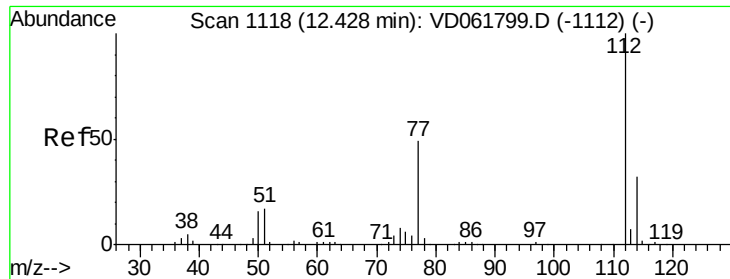
#64
Tetrachloroethene
Concen: 20.687 ug/l
RT: 11.29 min Scan# 1003
Delta R.T. -0.00 min
Lab File: VD061798.D
Acq: 15 Apr 2019 13:41

Tgt Ion:164 Resp: 128042
Ion Ratio Lower Upper
164 100
166 128.3 101.5 152.3
129 98.3 74.6 112.0
131 91.6 72.6 108.8



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

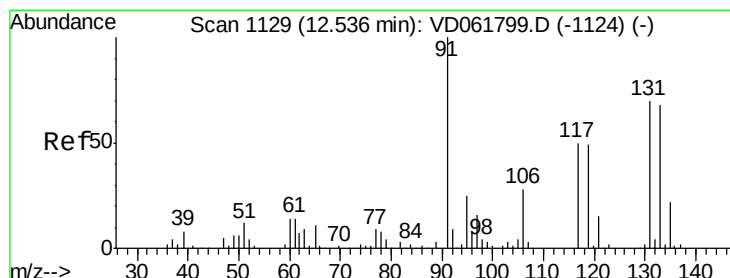
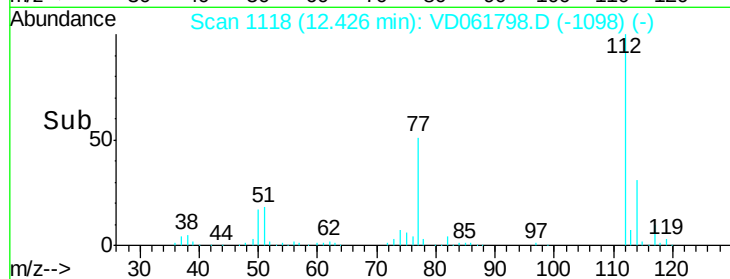
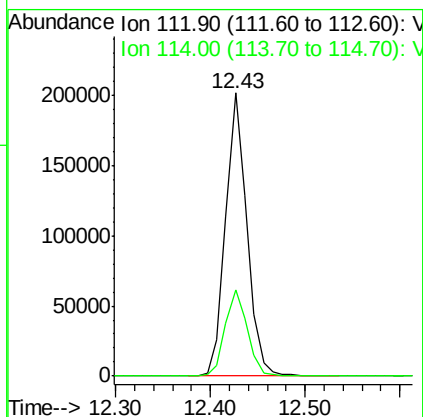
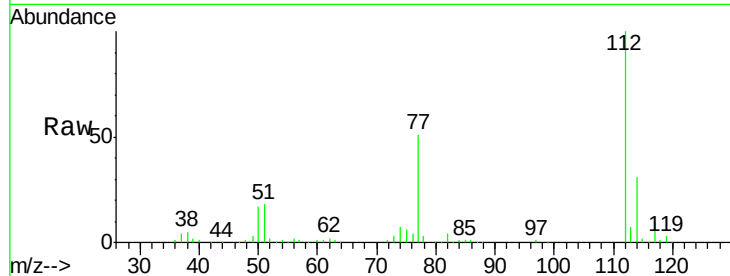




#65
Chlorobenzene
Concen: 20.493 ug/l
RT: 12.43 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VD061798.D
Acq: 15 Apr 2019 13:41

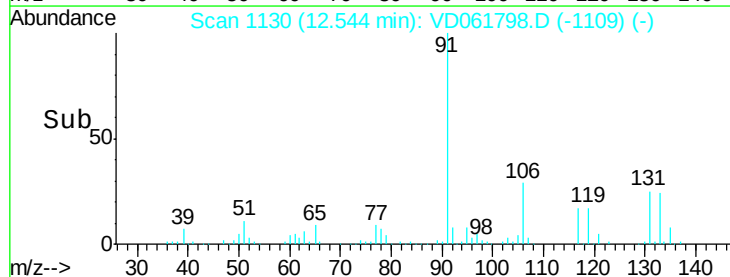
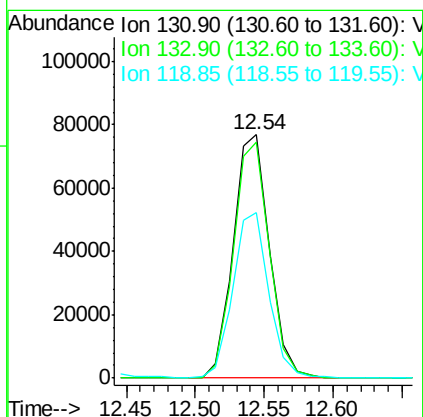
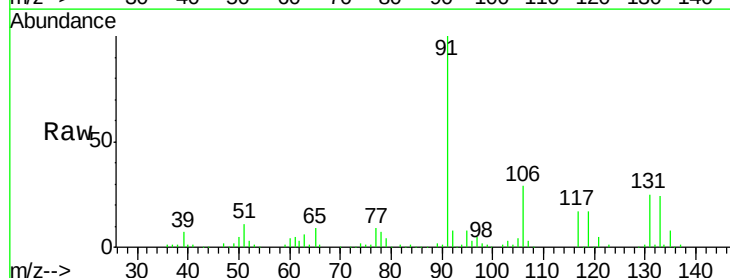
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

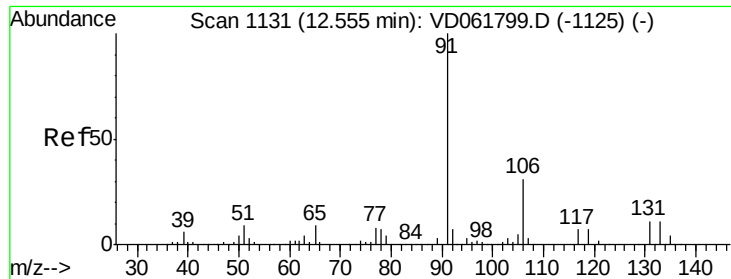
Tot Ion:112 Resp: 314974
Ion Ratio Lower Upper
112 100
114 30.5 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.767 ug/l
RT: 12.54 min Scan# 1130
Delta R.T. 0.01 min
Lab File: VD061798.D
Acq: 15 Apr 2019 13:41

Tgt Ion:131 Resp: 140203
Ion Ratio Lower Upper
131 100
133 97.1 48.6 145.8
119 67.8 34.7 104.1

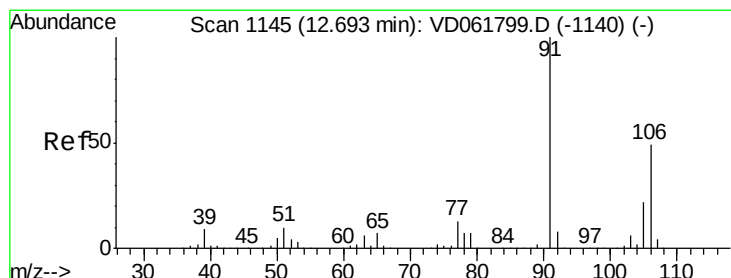
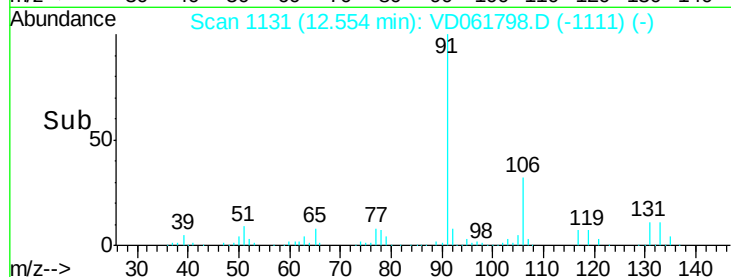
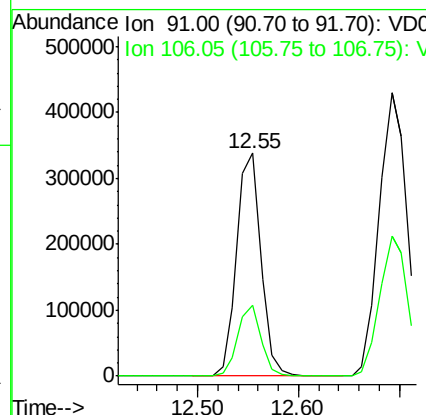
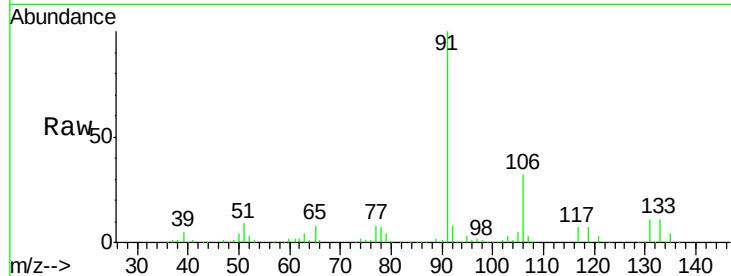




#67
Ethyl Benzene
Concen: 22.915 ug/l
RT: 12.55 min Scan# 1131
Delta R.T. -0.00 min
Lab File: VD061798.D
Acq: 15 Apr 2019 13:41

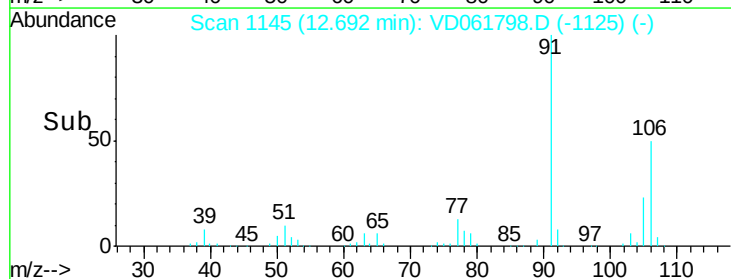
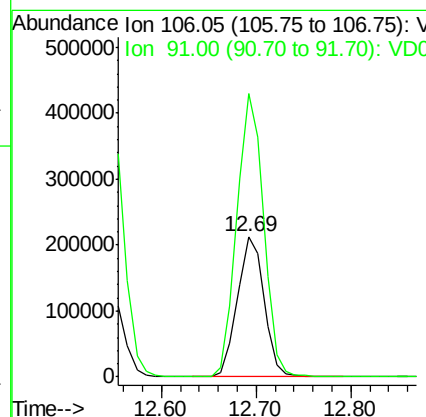
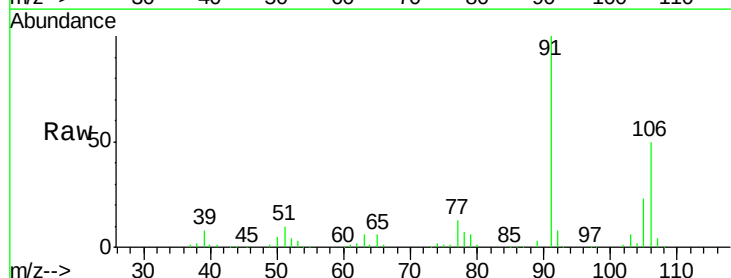
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

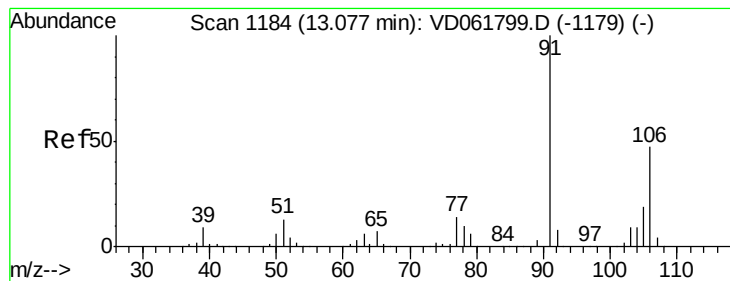
Tot Ion: 91 Resp: 564048
Ion Ratio Lower Upper
91 100
106 31.8 24.7 37.1



#68
m/p-Xylenes
Concen: 44.908 ug/l
RT: 12.69 min Scan# 1145
Delta R.T. -0.00 min
Lab File: VD061798.D
Acq: 15 Apr 2019 13:41

Tgt Ion: 106 Resp: 415218
Ion Ratio Lower Upper
106 100
91 201.3 164.0 246.0





#69

o-Xylene

Concen: 22.510 ug/l

RT: 13.08 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VD061798.D

Acq: 15 Apr 2019 13:41

Instrument :

MSVOA_D

ClientSampleID :

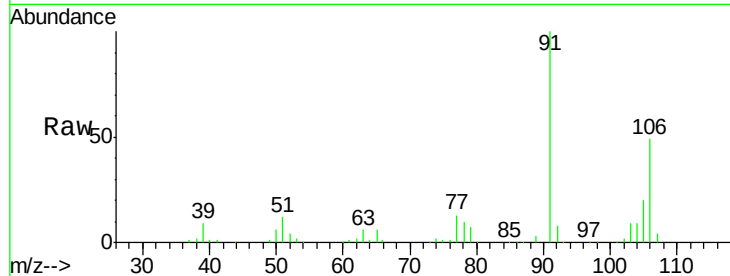
VSTDIC020

Tot Ion:106 Resp: 195620

Ion Ratio Lower Upper

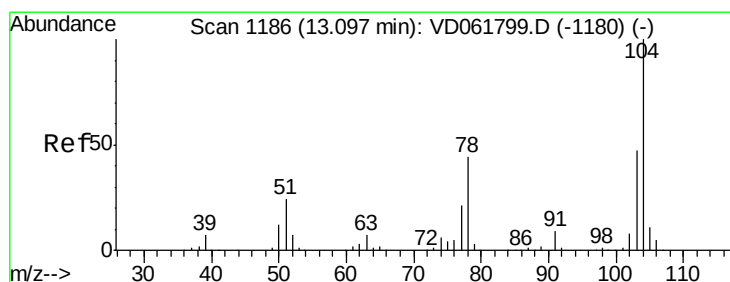
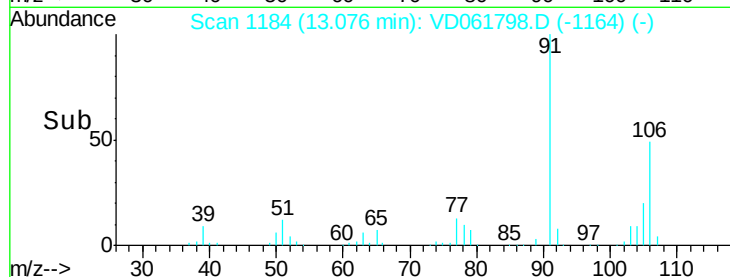
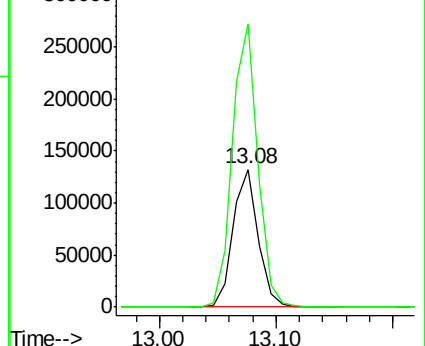
106 100

91 205.9 106.7 319.9



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC



#70

Styrene

Concen: 22.162 ug/l

RT: 13.10 min Scan# 1186

Delta R.T. -0.00 min

Lab File: VD061798.D

Acq: 15 Apr 2019 13:41

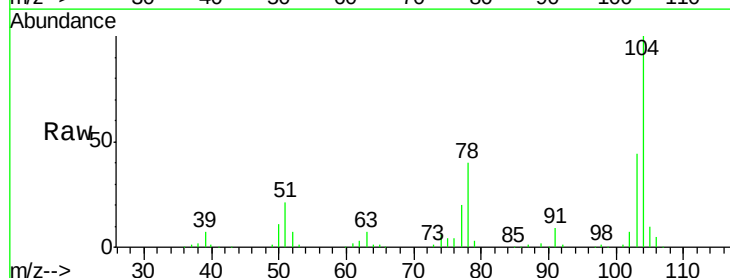
Tgt Ion:104 Resp: 331425

Ion Ratio Lower Upper

104 100

78 40.5 35.4 53.2

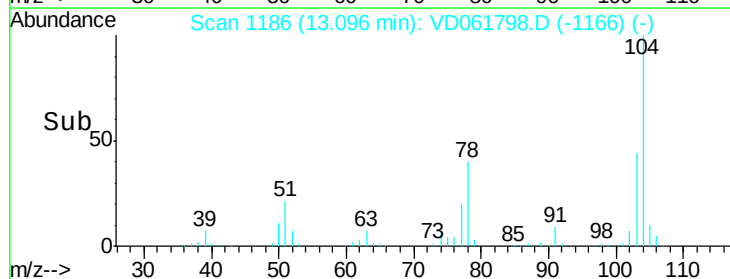
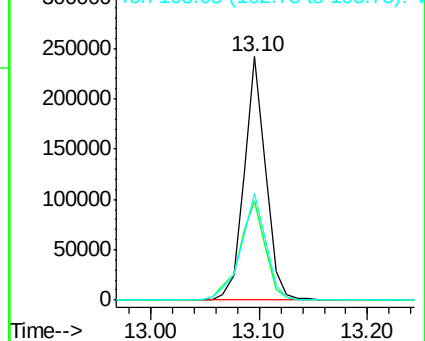
103 43.8 37.5 56.3

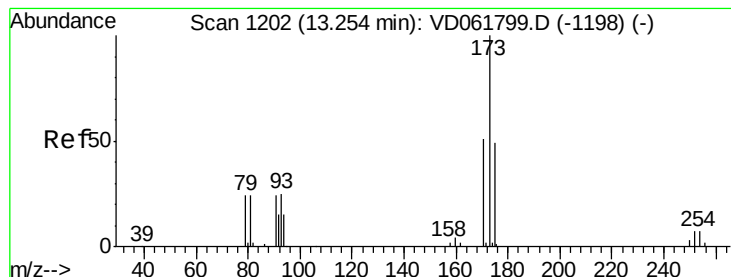


Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): VDC

Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 20.747 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD061798.D

Acq: 15 Apr 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

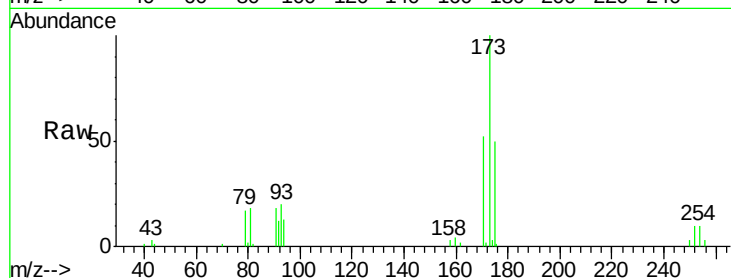
Tot Ion:173 Resp: 79321

Ion Ratio Lower Upper

173 100

175 50.0 24.4 73.4

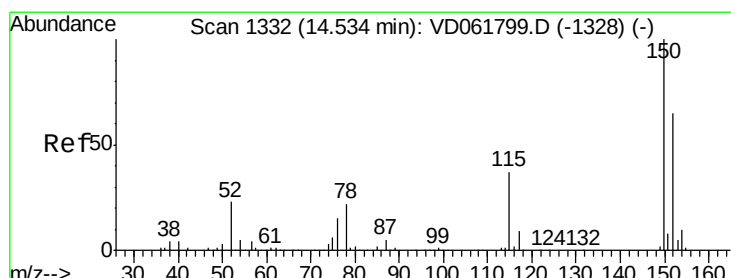
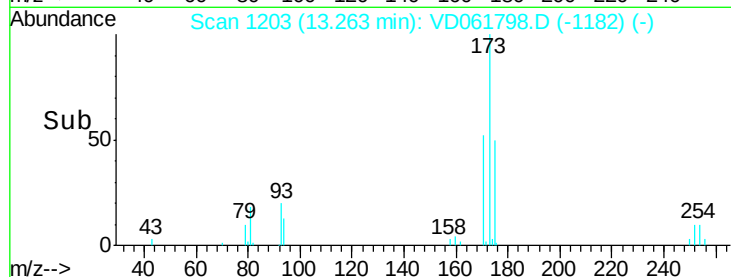
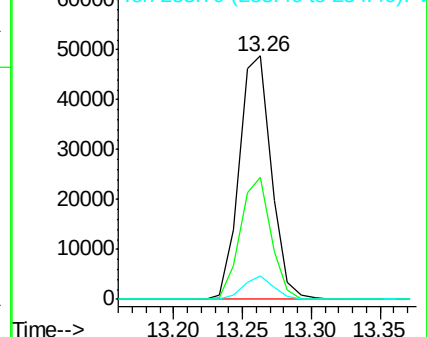
254 9.8 5.4 8.2#



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: 14.54 min Scan# 1333

Delta R.T. 0.01 min

Lab File: VD061798.D

Acq: 15 Apr 2019 13:41

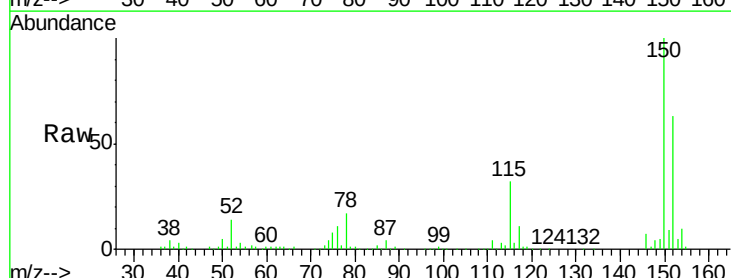
Tgt Ion:152 Resp: 381763

Ion Ratio Lower Upper

152 100

115 51.2 30.9 92.7

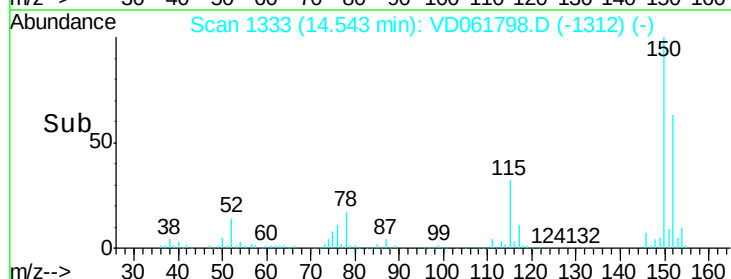
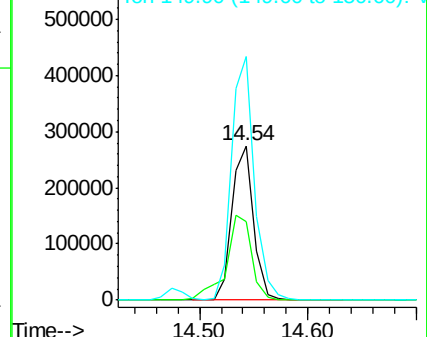
150 157.7 0.0 314.8

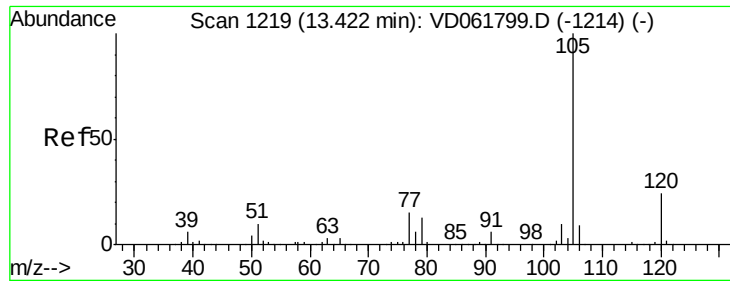


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.763 ug/l

RT: 13.43 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VD061798.D

Acq: 15 Apr 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

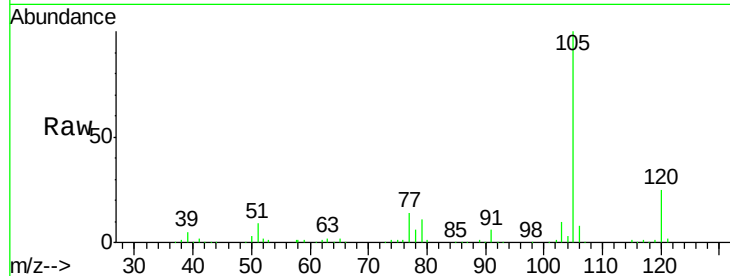
VSTDIC020

Tot Ion:105 Resp: 538817

Ion Ratio Lower Upper

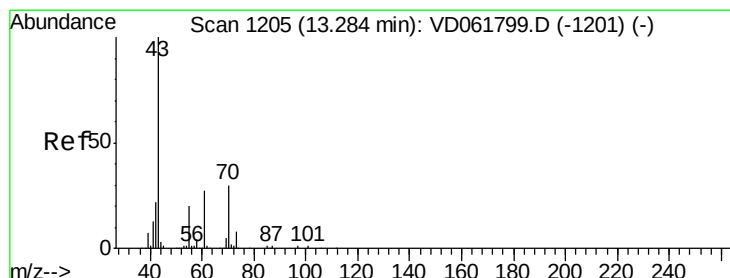
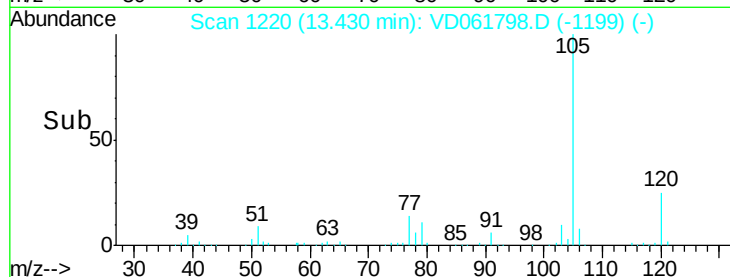
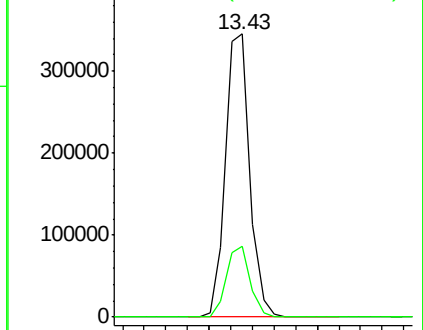
105 100

120 25.1 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.606 ug/l

RT: 13.28 min Scan# 1205

Delta R.T. -0.00 min

Lab File: VD061798.D

Acq: 15 Apr 2019 13:41

Tgt Ion: 43 Resp: 137190

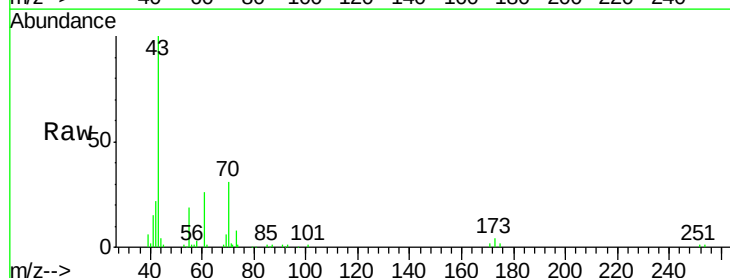
Ion Ratio Lower Upper

43 100

70 31.1 24.2 36.4

55 19.2 16.0 24.0

61 26.1 21.6 32.4

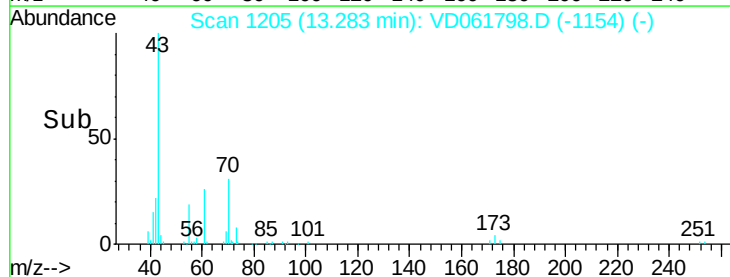
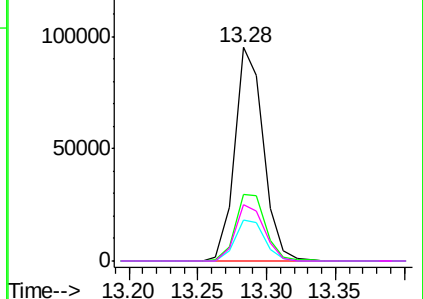


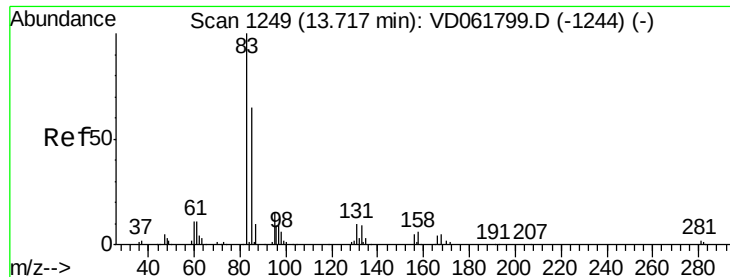
Abundance Ion 42.95 (42.65 to 43.65): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 20.585 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VD061798.D

Acq: 15 Apr 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

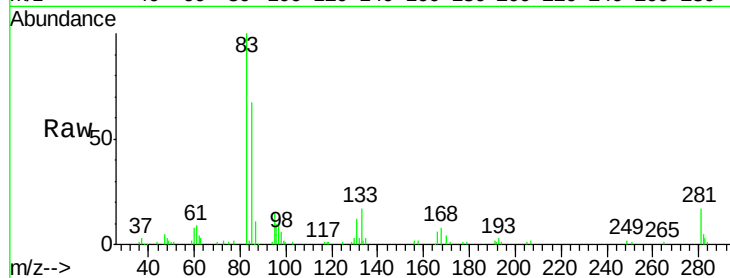
Tot Ion: 83 Resp: 100744

Ion Ratio Lower Upper

83 100

131 12.0 5.0 14.9

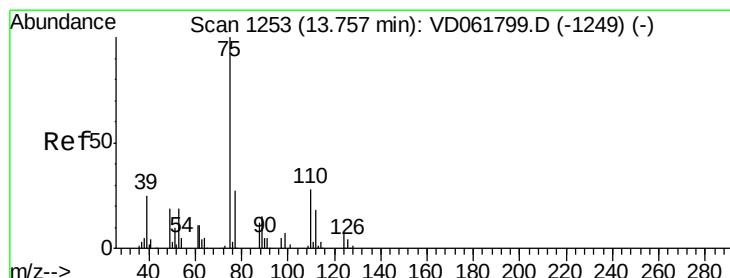
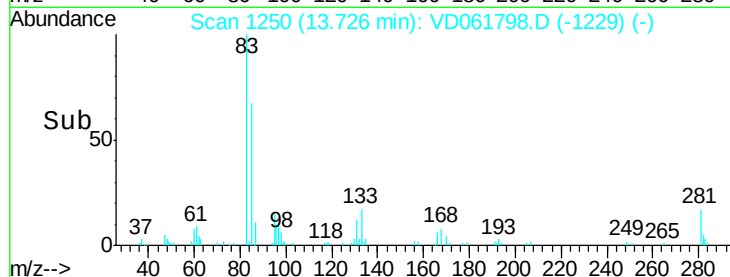
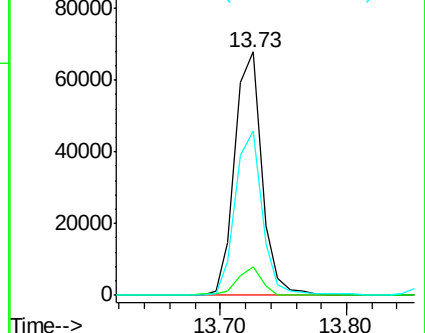
85 67.5 32.6 97.7



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: 20.744 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.00 min

Lab File: VD061798.D

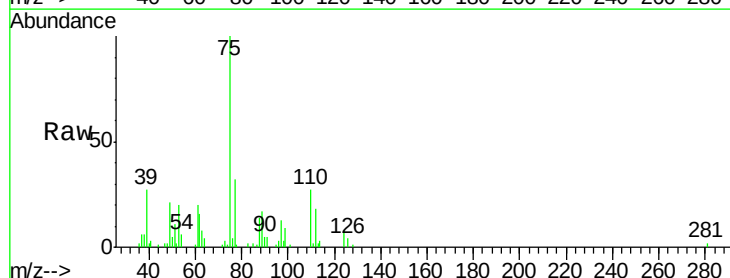
Acq: 15 Apr 2019 13:41

Tgt Ion: 75 Resp: 104002

Ion Ratio Lower Upper

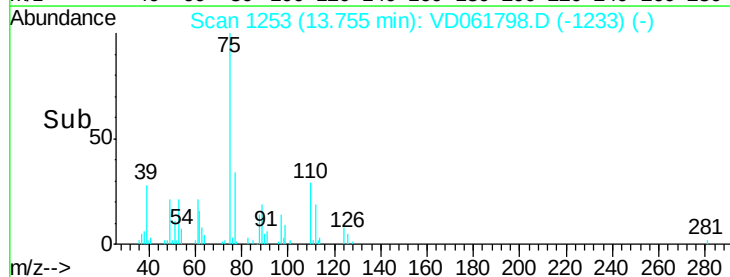
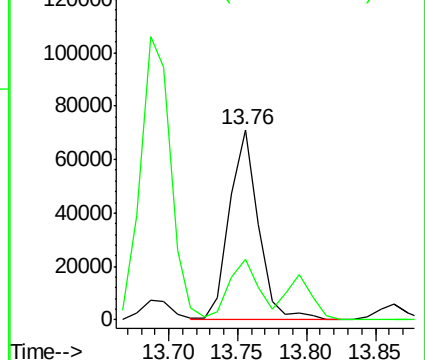
75 100

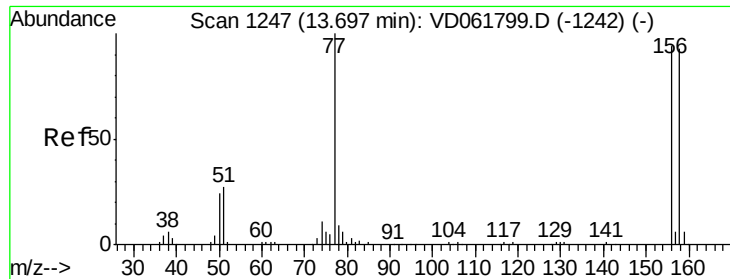
77 31.6 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.879 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD061798.D

Acq: 15 Apr 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

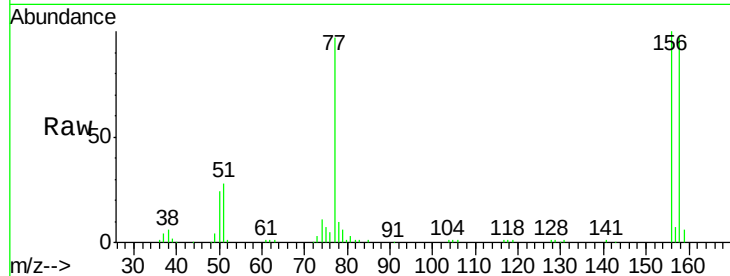
Tot Ion:156 Resp: 139807

Ion Ratio Lower Upper

156 100

77 97.1 53.1 159.4

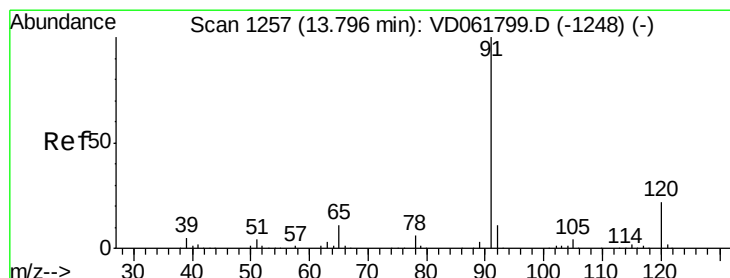
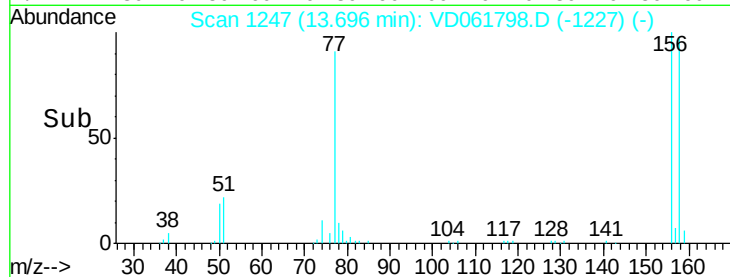
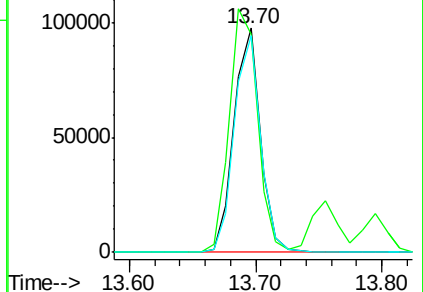
158 96.5 49.4 148.0



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: 21.160 ug/l

RT: 13.79 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VD061798.D

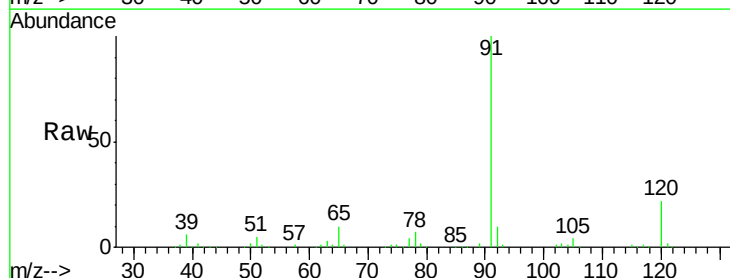
Acq: 15 Apr 2019 13:41

Tgt Ion: 91 Resp: 605279

Ion Ratio Lower Upper

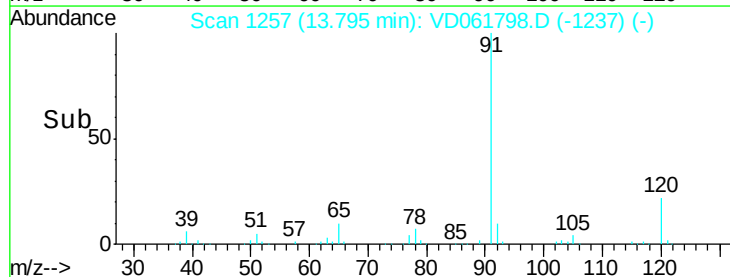
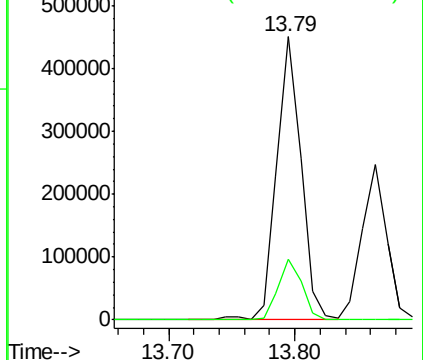
91 100

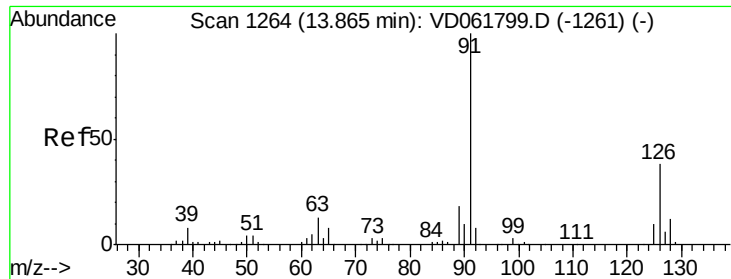
120 21.6 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 20.104 ug/l

RT: 13.86 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VD061798.D

Acq: 15 Apr 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

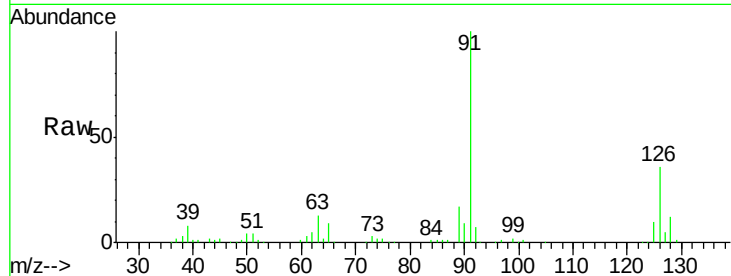
VSTDIC020

Tot Ion: 91 Resp: 333959

Ion Ratio Lower Upper

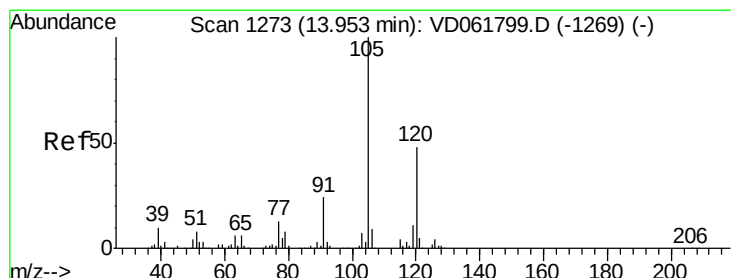
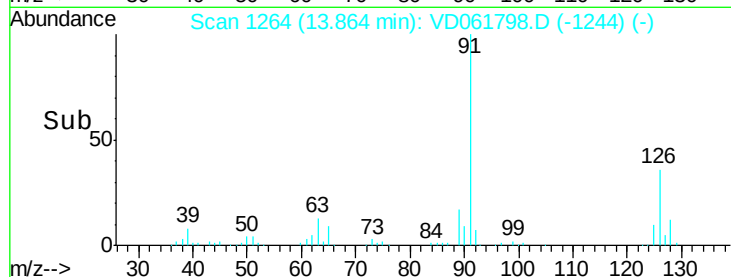
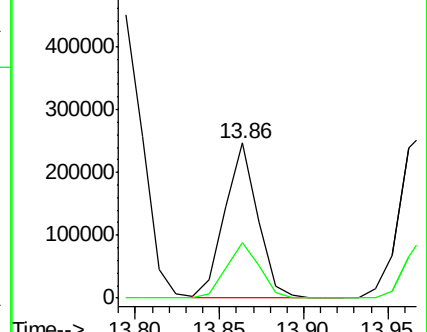
91 100

126 35.9 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VD061799.D (-1261) (-)

Ion 125.95 (125.65 to 126.65): VD061799.D (-1261) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.661 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD061798.D

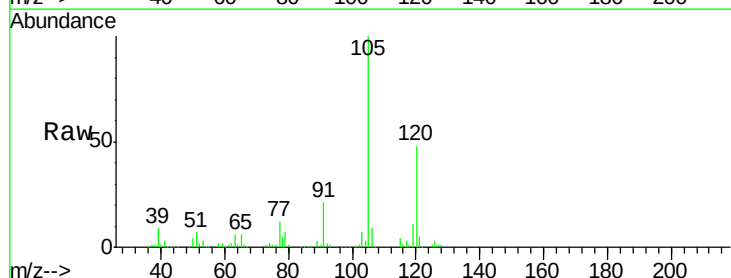
Acq: 15 Apr 2019 13:41

Tgt Ion: 105 Resp: 425538

Ion Ratio Lower Upper

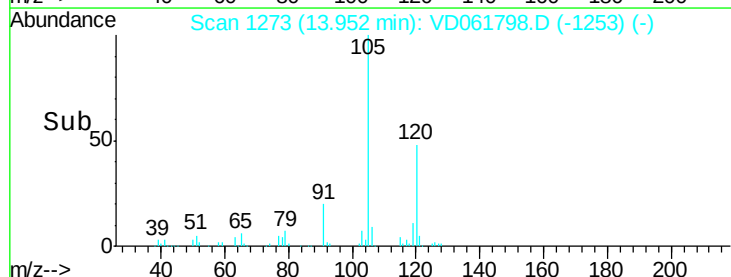
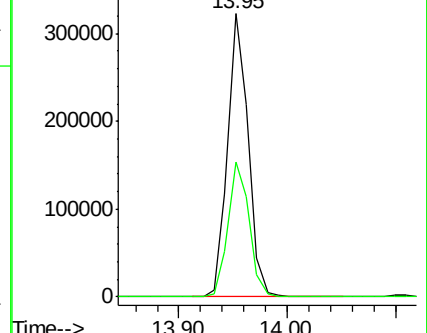
105 100

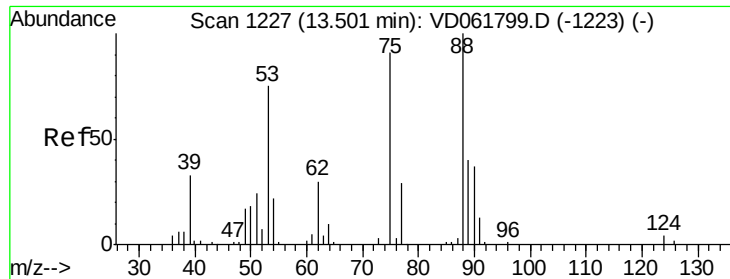
120 47.7 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): VD061799.D (-1269) (-)

Ion 120.05 (119.75 to 120.75): VD061799.D (-1269) (-)

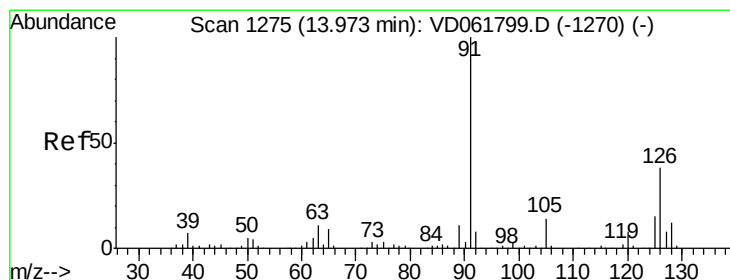
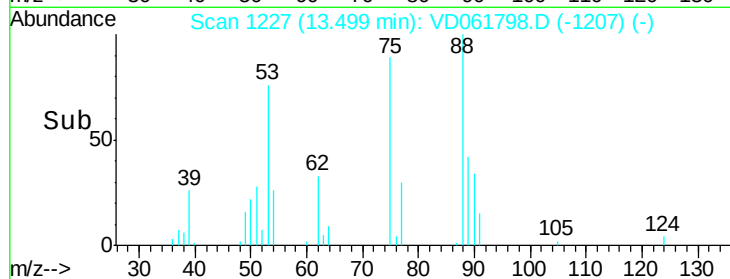
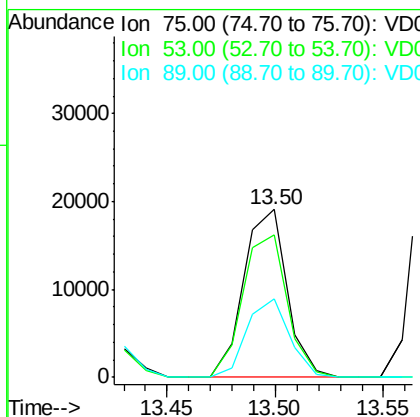
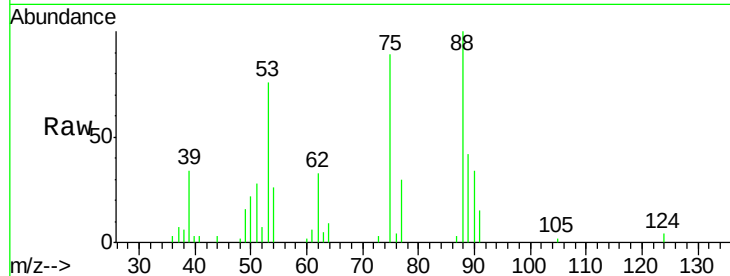




#81
trans-1,4-Dichloro-2-butene
Concen: 18.737 ug/l
RT: 13.50 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VD061798.D
Acq: 15 Apr 2019 13:41

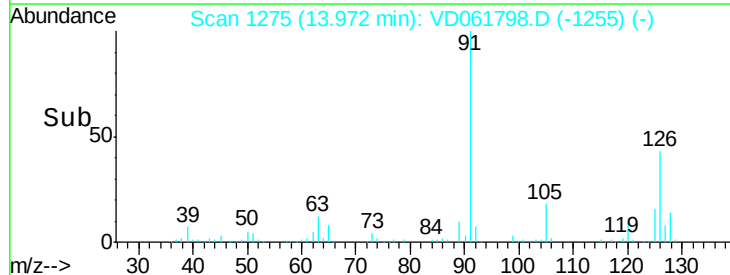
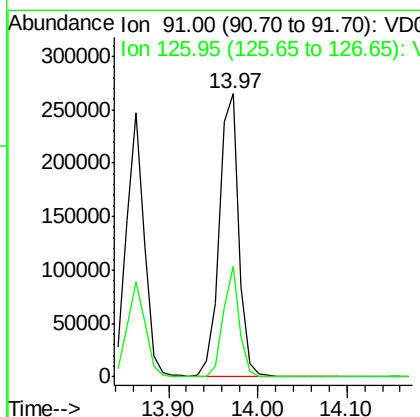
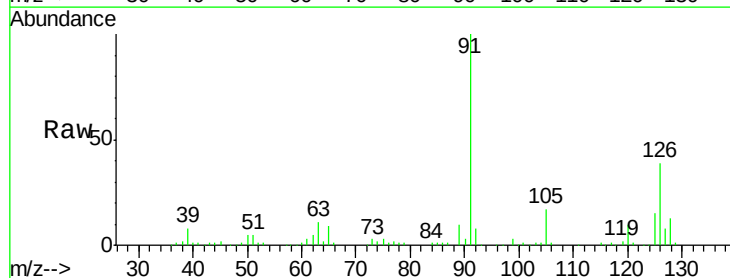
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

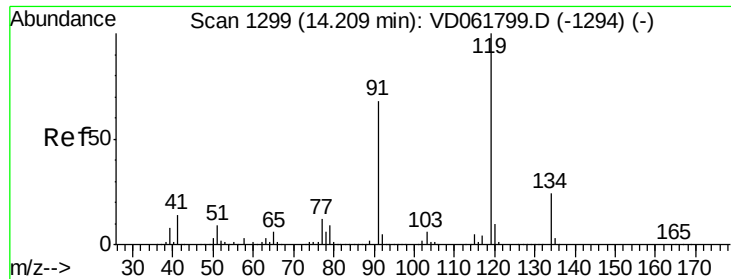
Tot Ion: 75 Resp: 26760
Ion Ratio Lower Upper
75 100
53 84.9 65.8 98.8
89 46.7 35.0 52.6



#82
4-Chlorotoluene
Concen: 21.280 ug/l
RT: 13.97 min Scan# 1275
Delta R.T. -0.00 min
Lab File: VD061798.D
Acq: 15 Apr 2019 13:41

Tgt Ion: 91 Resp: 407028
Ion Ratio Lower Upper
91 100
126 39.2 19.1 57.5

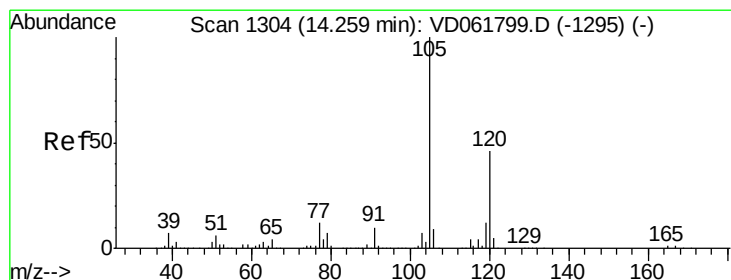
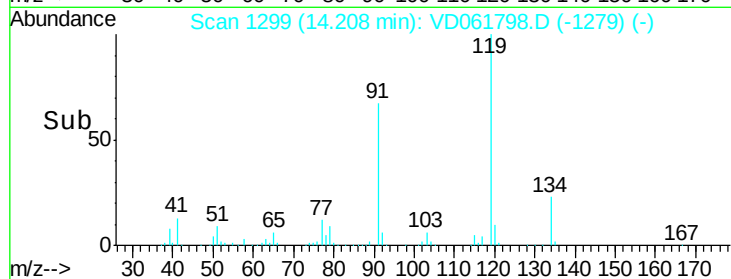
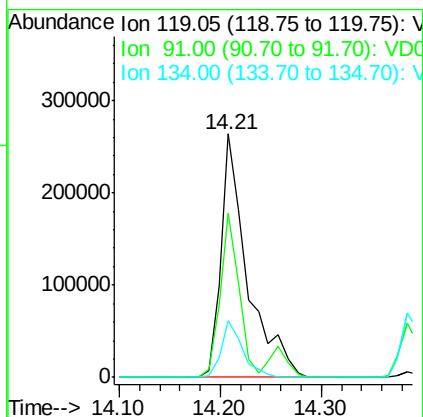
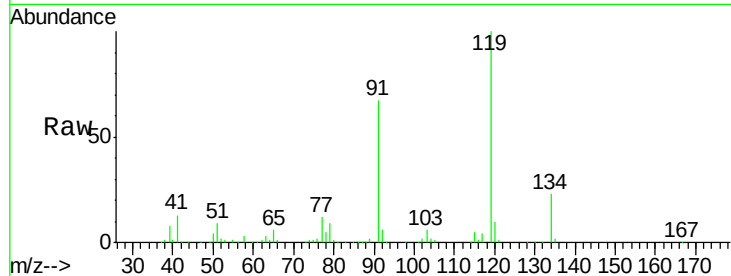




#83
 tert-Butylbenzene
 Concen: 20.877 ug/l
 RT: 14.21 min Scan# 1299
 Delta R.T. -0.00 min
 Lab File: VD061798.D
 Acq: 15 Apr 2019 13:41

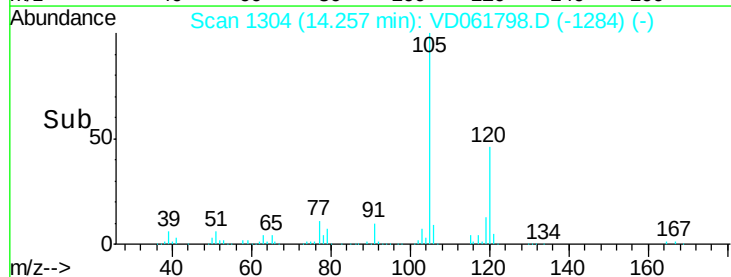
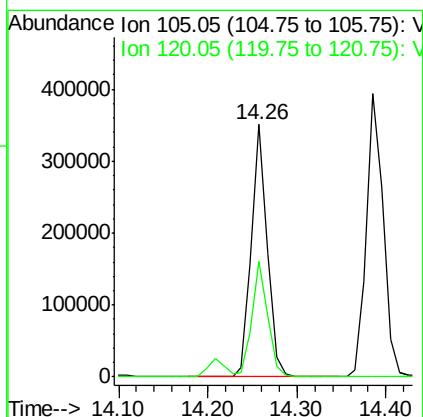
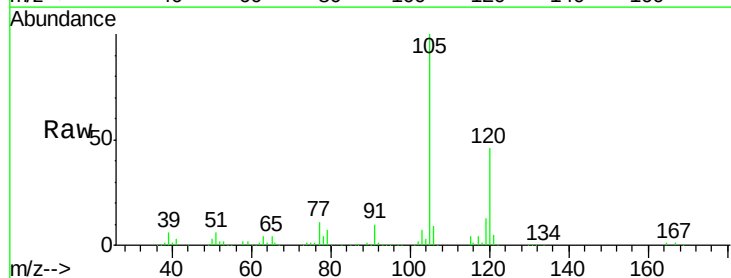
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

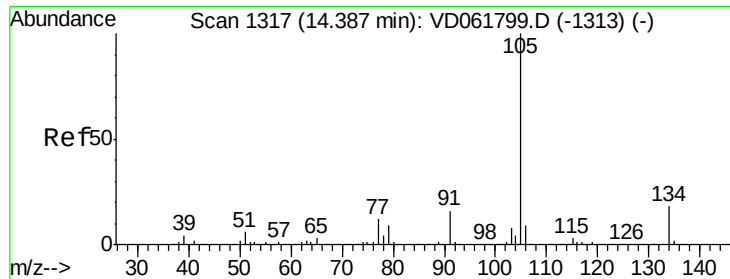
Tot Ion:119 Resp: 481568
 Ion Ratio Lower Upper
 119 100
 91 67.5 34.2 102.6
 134 23.3 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 21.833 ug/l
 RT: 14.26 min Scan# 1304
 Delta R.T. -0.00 min
 Lab File: VD061798.D
 Acq: 15 Apr 2019 13:41

Tgt Ion:105 Resp: 431140
 Ion Ratio Lower Upper
 105 100
 120 45.8 23.1 69.2





#85

sec-Butylbenzene

Concen: 21.393 ug/l

RT: 14.39 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD061798.D

Acq: 15 Apr 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

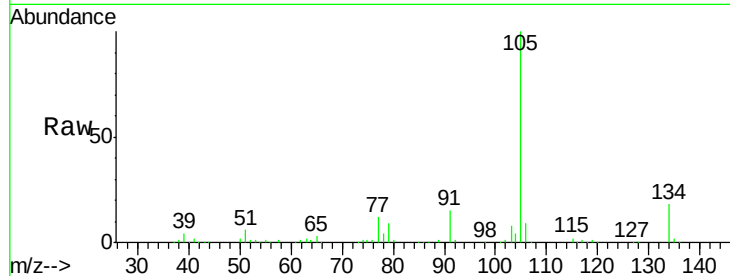
VSTDIC020

Tot Ion:105 Resp: 510139

Ion Ratio Lower Upper

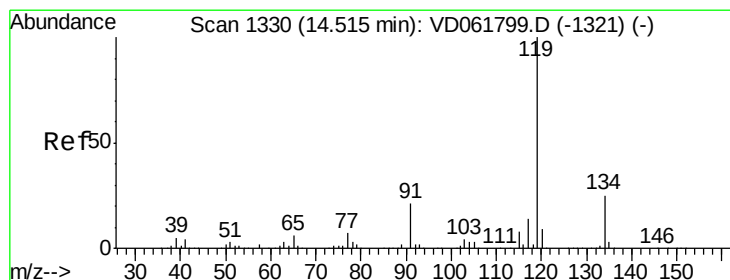
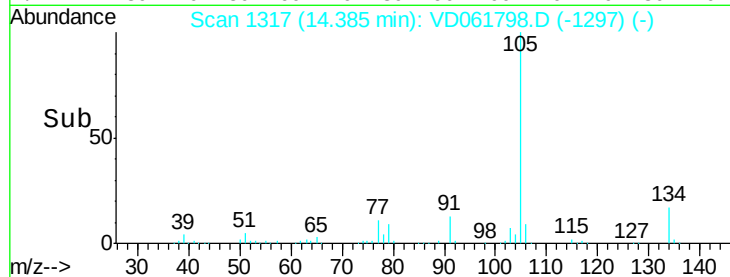
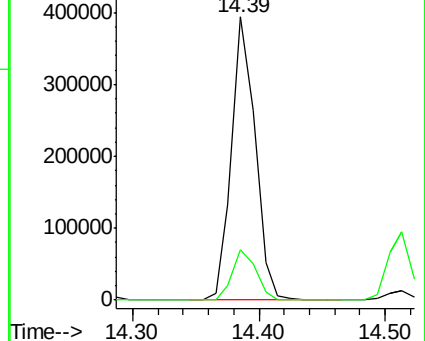
105 100

134 17.7 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 21.965 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD061798.D

Acq: 15 Apr 2019 13:41

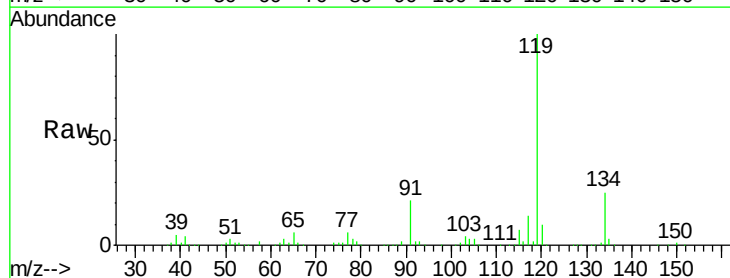
Tgt Ion:119 Resp: 490075

Ion Ratio Lower Upper

119 100

134 25.2 12.8 38.3

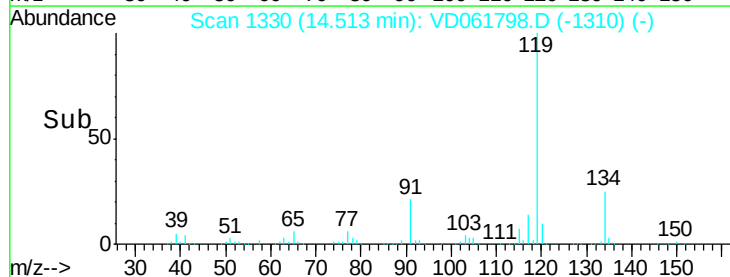
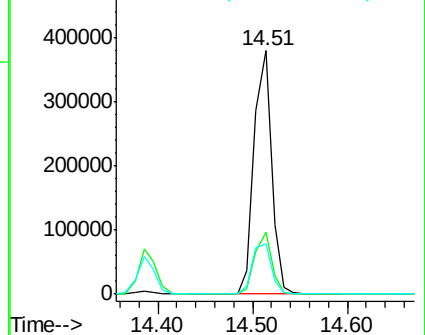
91 20.8 10.7 32.1

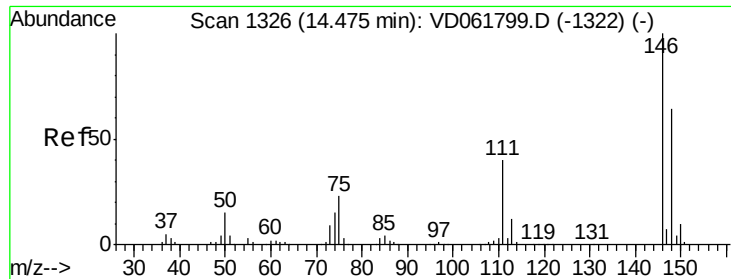


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

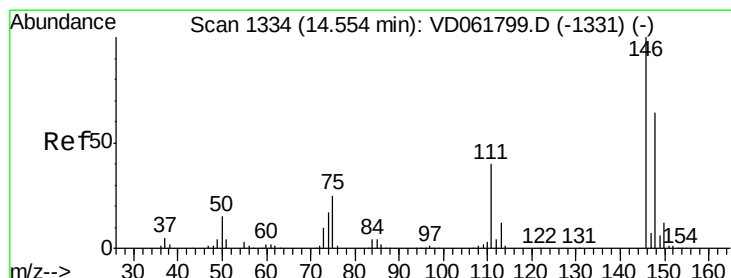
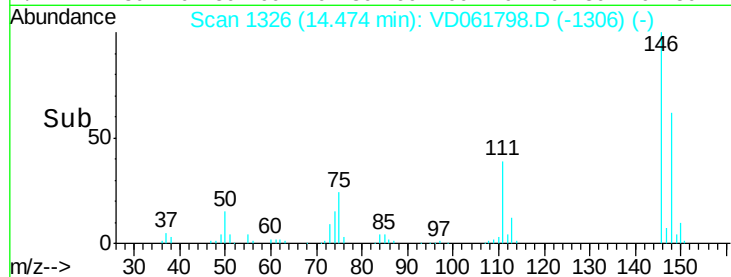
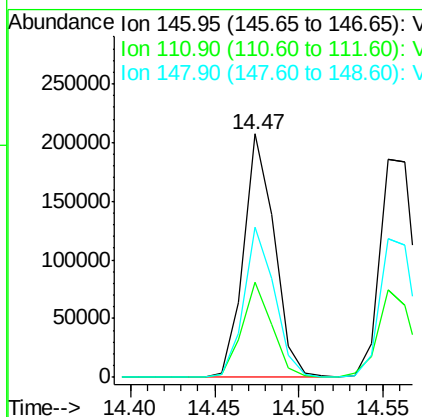
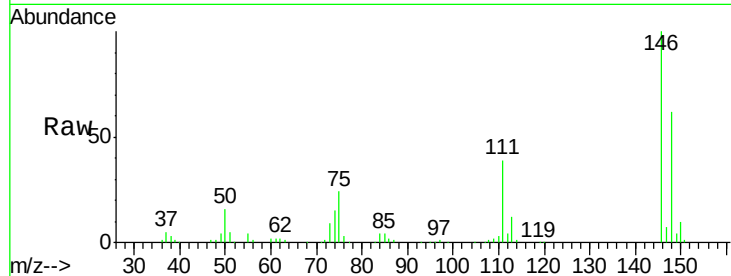




#87
 1,3-Dichlorobenzene
 Concen: 21.420 ug/l
 RT: 14.47 min Scan# 1326
 Delta R.T. -0.00 min
 Lab File: VD061798.D
 Acq: 15 Apr 2019 13:41

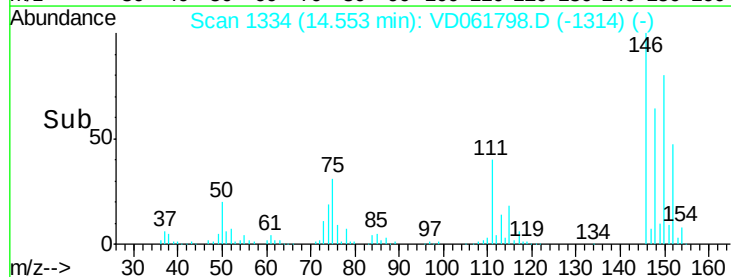
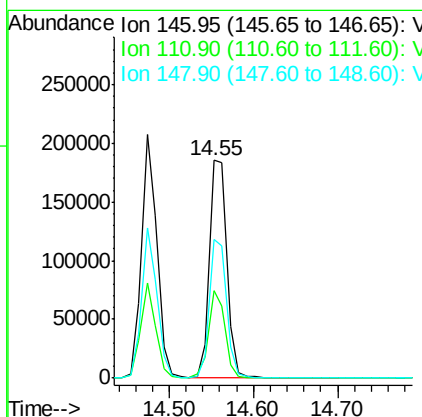
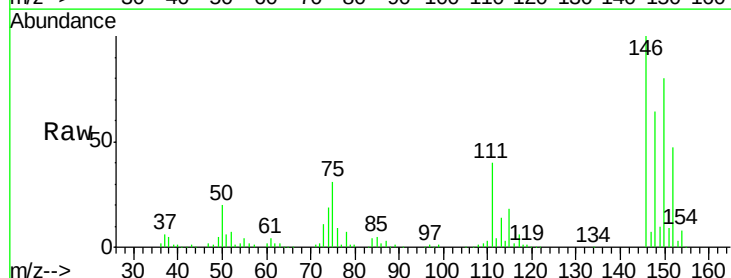
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

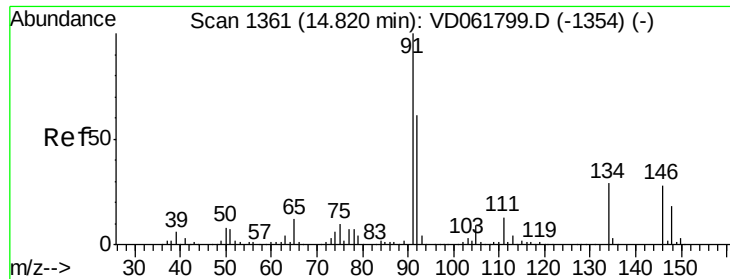
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.0	60.0
148	61.8	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 22.130 ug/l
 RT: 14.55 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VD061798.D
 Acq: 15 Apr 2019 13:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.2	60.5
148	64.0	32.0	96.2

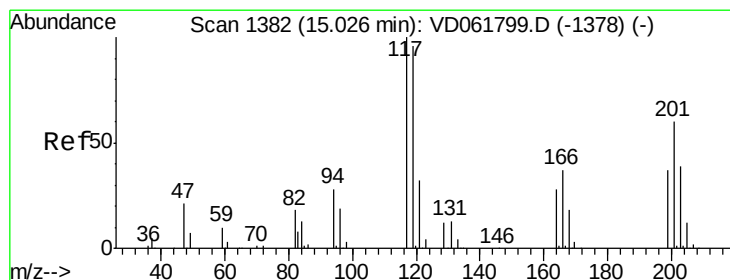
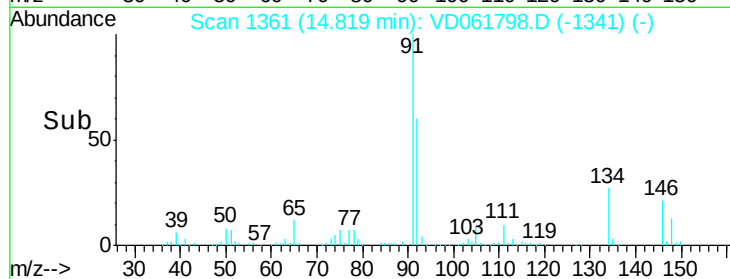
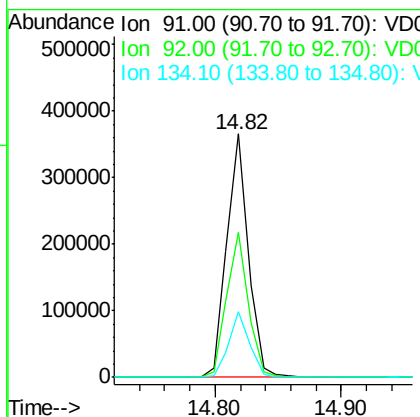
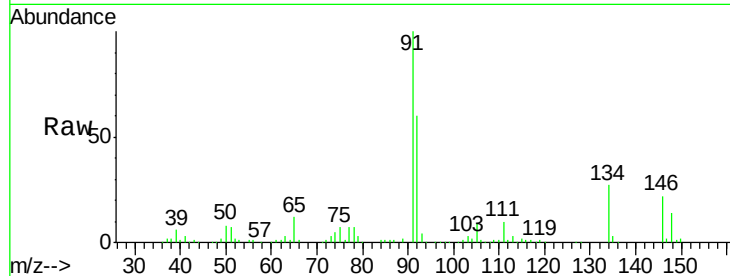




#89
n-Butylbenzene
Concen: 21.855 ug/l
RT: 14.82 min Scan# 1361
Delta R.T. -0.00 min
Lab File: VD061798.D
Acq: 15 Apr 2019 13:41

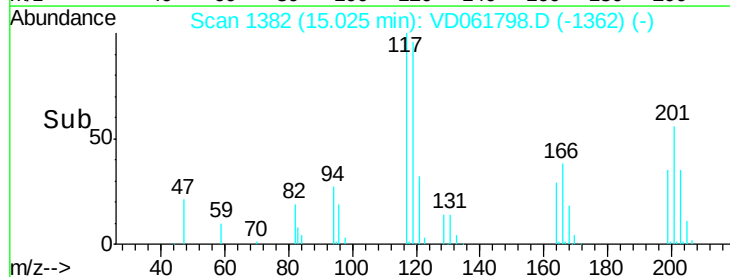
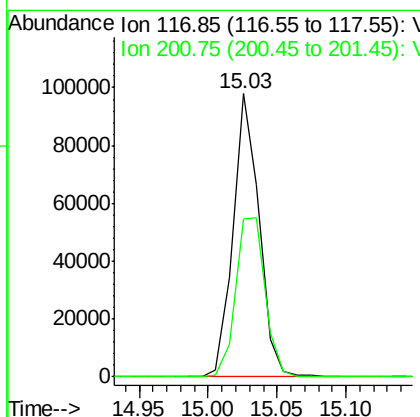
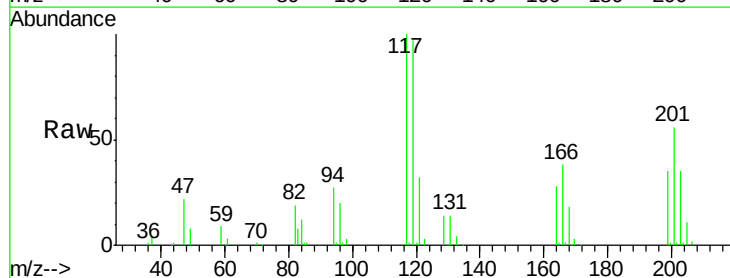
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

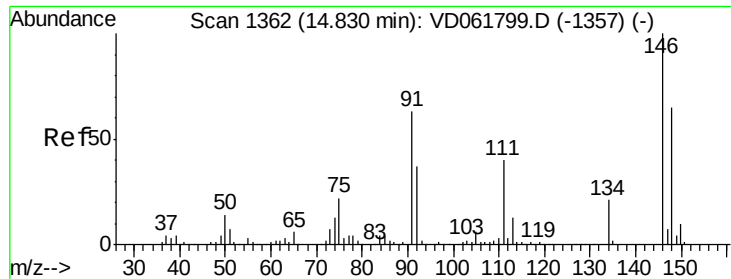
Tot Ion: 91 Resp: 431634
Ion Ratio Lower Upper
91 100
92 59.7 30.3 91.0
134 27.0 14.5 43.6



#90
Hexachloroethane
Concen: 21.085 ug/l
RT: 15.03 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VD061798.D
Acq: 15 Apr 2019 13:41

Tgt Ion: 117 Resp: 128224
Ion Ratio Lower Upper
117 100
201 55.8 30.2 90.6

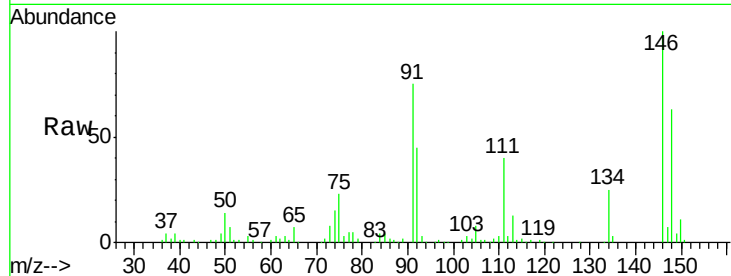




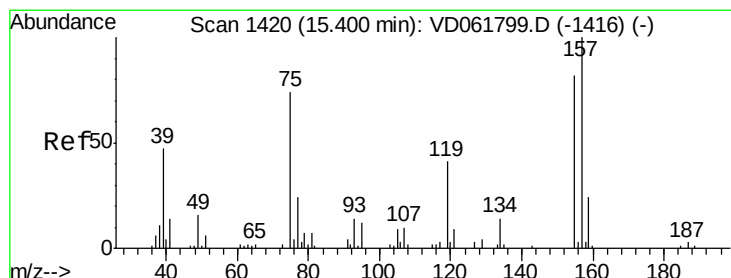
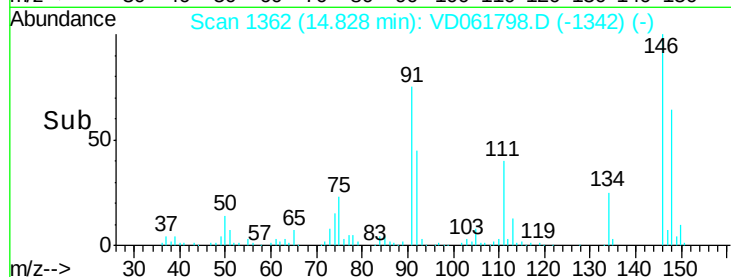
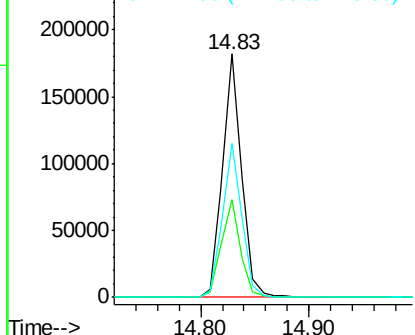
#91
 1,2-Dichlorobenzene
 Concen: 21.636 ug/l
 RT: 14.83 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VD061798.D
 Acq: 15 Apr 2019 13:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:146 Resp: 222513
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.0 59.9
 148 63.4 32.3 96.8

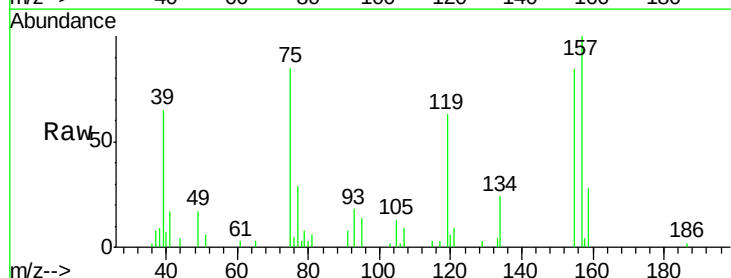


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

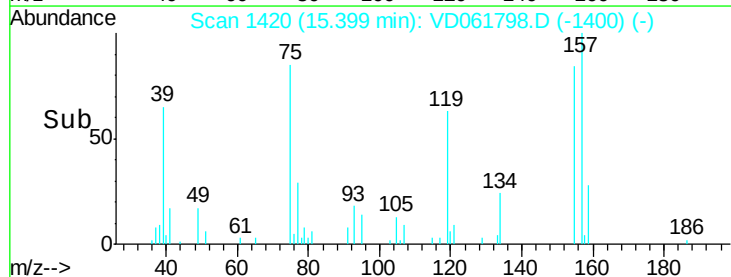
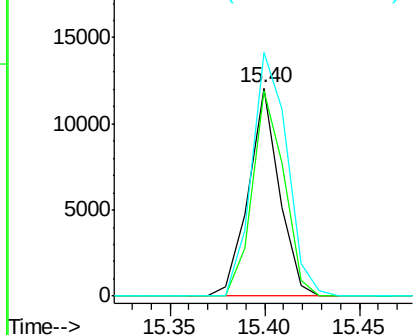


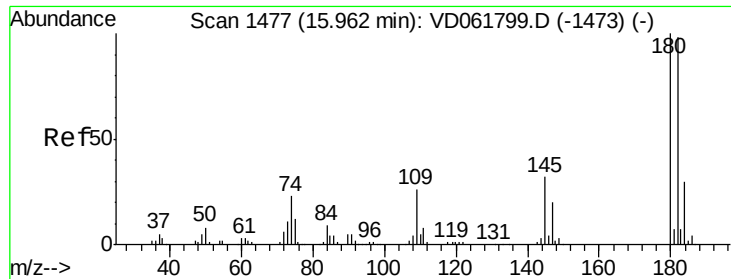
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.106 ug/l
 RT: 15.40 min Scan# 1420
 Delta R.T. -0.00 min
 Lab File: VD061798.D
 Acq: 15 Apr 2019 13:41

Tgt Ion: 75 Resp: 13625
 Ion Ratio Lower Upper
 75 100
 155 98.6 55.3 165.8
 157 117.2 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

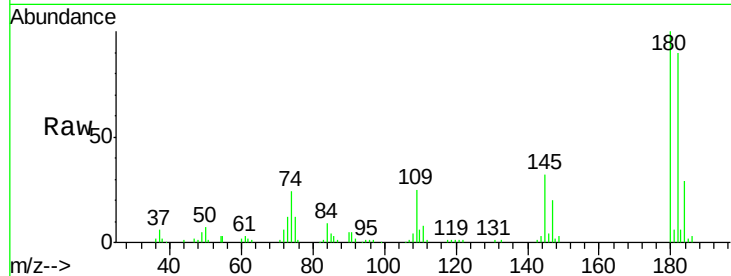




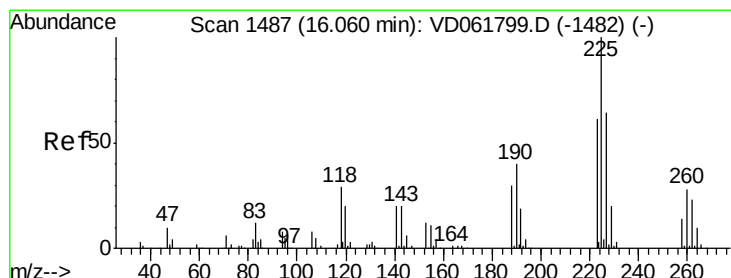
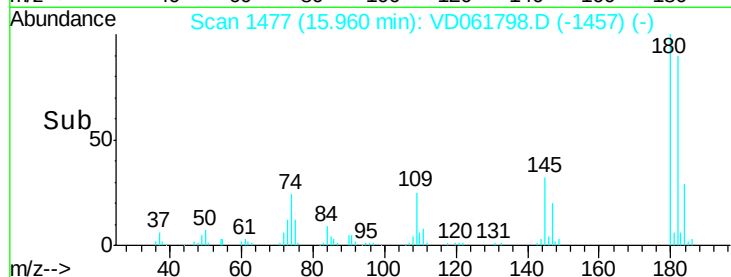
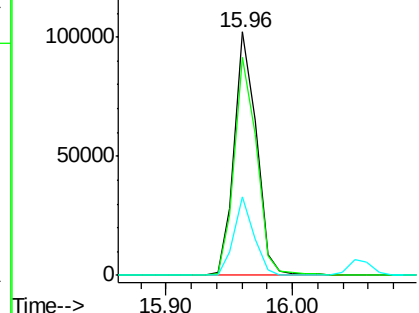
#93
 1,2,4-Trichlorobenzene
 Concen: 21.895 ug/l
 RT: 15.96 min Scan# 1477
 Delta R.T. -0.00 min
 Lab File: VD061798.D
 Acq: 15 Apr 2019 13:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.6	49.3	147.8
145	32.4	16.2	48.6

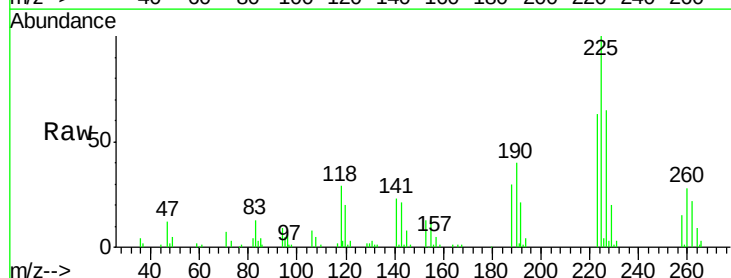


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

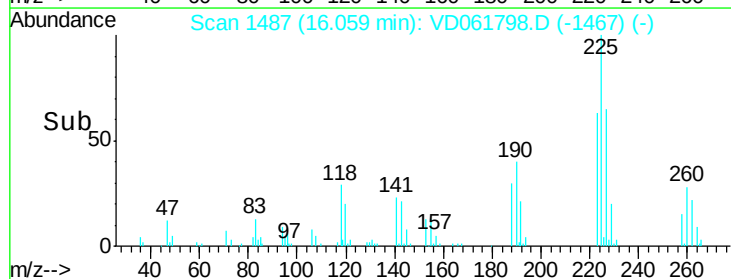
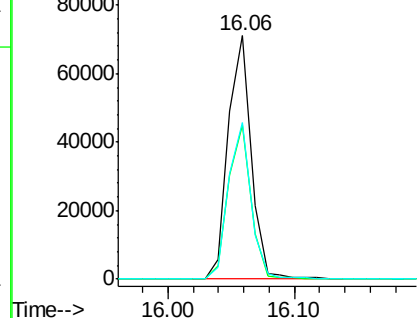


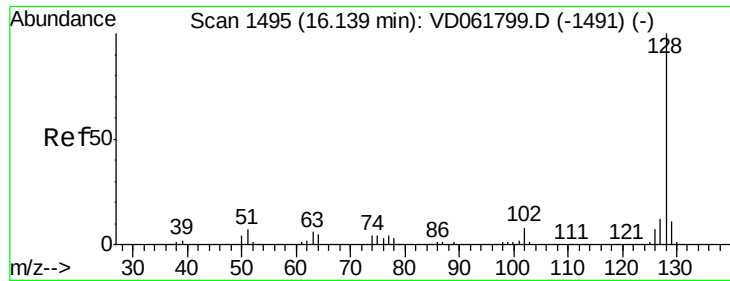
#94
 Hexachlorobutadiene
 Concen: 21.885 ug/l
 RT: 16.06 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD061798.D
 Acq: 15 Apr 2019 13:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	30.6	92.0
227	64.5	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: 20.276 ug/l

RT: 16.14 min Scan# 1495

Delta R.T. -0.00 min

Lab File: VD061798.D

Acq: 15 Apr 2019 13:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

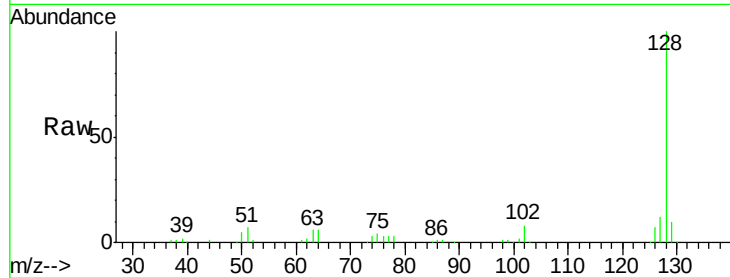
Tot Ion:128 Resp: 175543

Ion Ratio Lower Upper

128 100

127 11.9 9.8 14.8

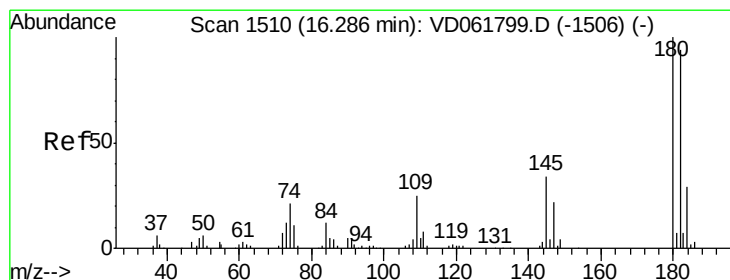
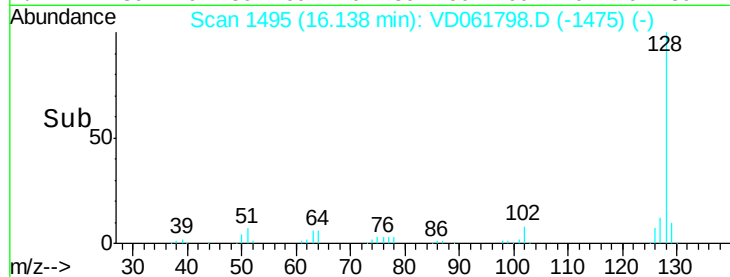
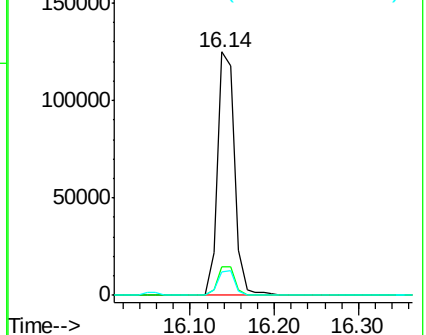
129 9.7 8.8 13.2



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: 22.964 ug/l

RT: 16.29 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD061798.D

Acq: 15 Apr 2019 13:41

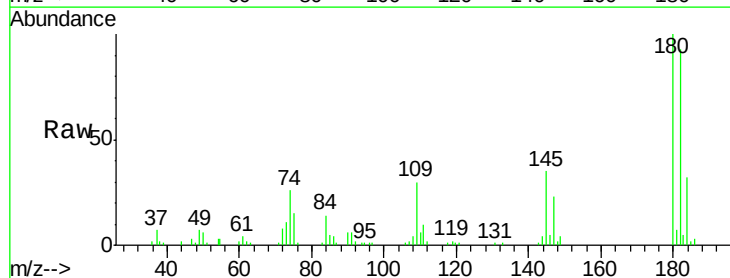
Tgt Ion:180 Resp: 73919

Ion Ratio Lower Upper

180 100

182 93.2 47.0 141.0

145 35.2 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

