

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041919\
 Data File : VD061926.D
 Acq On : 20 Apr 2019 1:06
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 20 01:32:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	535218	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	873959	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	697267	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	340147	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	243202	54.22	ug/l	0.02
Spiked Amount			Recovery	=	108.44%	
35) Dibromofluoromethane	6.94	113	366126	55.45	ug/l	0.02
Spiked Amount			Recovery	=	110.90%	
50) Toluene-d8	10.42	98	842282	53.84	ug/l	0.02
Spiked Amount			Recovery	=	107.68%	
62) 4-Bromofluorobenzene	13.56	95	298074	47.01	ug/l	0.00
Spiked Amount			Recovery	=	94.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	257529	49.298	ug/l	98
3) Chloromethane	1.75	50	197240	47.377	ug/l	99
4) Vinyl Chloride	1.85	62	186697	45.186	ug/l	96
5) Bromomethane	2.15	94	52940	57.830	ug/l	96
6) Chloroethane	2.27	64	75014	53.219	ug/l	99
7) Trichlorofluoromethane	2.54	101	287485	42.901	ug/l	100
8) Diethyl Ether	2.88	74	76031	43.294	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.16	101	245330	41.059	ug/l	97
10) Methyl Iodide	3.32	142	395620	42.074	ug/l	97
11) Tert butyl alcohol	4.06	59	65581	247.916	ug/l	99
12) 1,1-Dichloroethene	3.14	96	212806	42.365	ug/l	97
13) Acrolein	3.04	56	45165	176.366	ug/l	95
14) Allyl chloride	3.63	41	293719	42.899	ug/l	95
15) Acrylonitrile	4.21	53	203865	245.485	ug/l	92
16) Acetone	3.23	43	208381	188.488	ug/l	95
17) Carbon Disulfide	3.39	76	647013	39.865	ug/l	100
18) Methyl Acetate	3.65	43	96832	43.700	ug/l	97
19) Methyl tert-butyl Ether	4.25	73	499755	53.312	ug/l	95
20) Methylene Chloride	3.83	84	268340	48.713	ug/l	97
21) trans-1,2-Dichloroethene	4.23	96	267903	48.530	ug/l	98
22) Diisopropyl ether	5.14	45	726741	49.655	ug/l	100
23) Vinyl Acetate	5.07	43	2074044	265.097	ug/l	99
24) 1,1-Dichloroethane	5.00	63	455780	51.364	ug/l	100
25) 2-Butanone	6.08	43	313748	249.278	ug/l	100
26) 2,2-Dichloropropane	6.04	77	355363	46.332	ug/l	96
27) cis-1,2-Dichloroethene	6.05	96	303521	50.720	ug/l	95
28) Bromochloromethane	6.46	49	183472	54.434	ug/l	97
29) Tetrahydrofuran	6.47	42	163477	266.642	ug/l	99
30) Chloroform	6.67	83	530650	53.615	ug/l	99
31) Cyclohexane	6.97	56	325251	47.880	ug/l	98
32) 1,1,1-Trichloroethane	6.88	97	452026	51.521	ug/l	98
36) 1,1-Dichloropropene	7.16	75	375463	52.574	ug/l	98
37) Ethyl Acetate	6.19	43	155791	50.969	ug/l	95
38) Carbon Tetrachloride	7.13	117	454793	50.432	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	358361	48.322	ug/l	97
40) Benzene	7.47	78	873212	50.929	ug/l	98
41) Methacrylonitrile	6.46	41	194070	53.718	ug/l	96
42) 1,2-Dichloroethane	7.59	62	301289	50.456	ug/l	98
43) Isopropyl Acetate	9.25	43	227254	52.834	ug/l #	98
44) Trichloroethene	8.55	130	324318	49.136	ug/l	97
45) 1,2-Dichloropropane	8.95	63	223667	50.082	ug/l	96
46) Dibromomethane	9.08	93	166948	52.463	ug/l	96
47) Bromodichloromethane	9.39	83	384870	52.425	ug/l	100
48) Methyl methacrylate	9.12	41	129628	51.269	ug/l	99
49) 1,4-Dioxane	9.10	88	30524	1104.525	ug/l	97
51) 4-Methyl-2-Pentanone	10.31	43	694104	263.876	ug/l	98
52) Toluene	10.52	92	482699	43.932	ug/l	99
53) t-1,3-Dichloropropene	10.93	75	314679	47.570	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	358401	46.156	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	197489	53.342	ug/l	96
56) Ethyl methacrylate	11.05	69	203560	50.095	ug/l	98
57) 1,3-Dichloropropane	11.42	76	286013	51.385	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.87	63	457225	236.566	ug/l	97
59) 2-Hexanone	11.55	43	491596	251.627	ug/l	99
60) Dibromochloromethane	11.69	129	331909	54.789	ug/l	99
61) 1,2-Dibromoethane	11.81	107	215932	47.432	ug/l	94
64) Tetrachloroethene	11.27	164	272212	52.056	ug/l	93
65) Chlorobenzene	12.41	112	690305	53.160	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	286346	52.620	ug/l	99
67) Ethyl Benzene	12.53	91	1075028	51.695	ug/l	99
68) m/p-Xylenes	12.68	106	779417	99.780	ug/l	99
69) o-Xylene	13.05	106	359208	48.924	ug/l	99
70) Styrene	13.08	104	648575	51.333	ug/l	99
71) Bromoform	13.24	173	189289	58.601	ug/l	98
73) Isopropylbenzene	13.41	105	1126248	51.055	ug/l	99
74) N-amyl acetate	13.27	43	288910	48.704	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	227100	52.082	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	223812	50.103	ug/l	98
77) Bromobenzene	13.67	156	311044	49.637	ug/l	85
78) n-propylbenzene	13.78	91	1302253	51.095	ug/l	98
79) 2-Chlorotoluene	13.85	91	693490	46.578	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	786997	44.962	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.49	75	68045	47.196	ug/l	96
82) 4-Chlorotoluene	13.96	91	800652	46.982	ug/l	100
83) tert-Butylbenzene	14.19	119	997992	48.559	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	916561	52.094	ug/l	98
85) sec-Butylbenzene	14.37	105	1024836	48.236	ug/l	99
86) p-Isopropyltoluene	14.50	119	936082	47.089	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	570829	52.181	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	515112	47.635	ug/l	99
89) n-Butylbenzene	14.80	91	856929	48.699	ug/l	96
90) Hexachloroethane	15.01	117	266415	49.170	ug/l	93
91) 1,2-Dichlorobenzene	14.81	146	456004	49.764	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	29454	48.509	ug/l	93

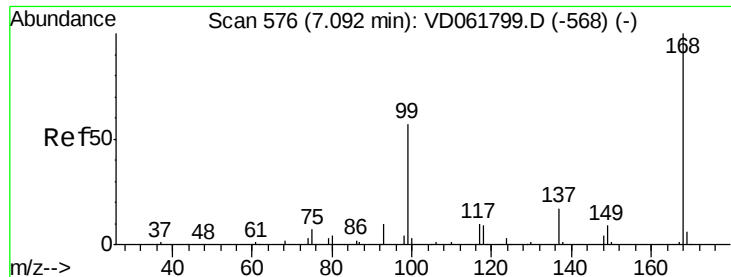
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	236962	47.083	ug/l	96
94) Hexachlorobutadiene	16.05	225	172918	47.410	ug/l	98
95) Naphthalene	16.13	128	426217	55.252	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	172741	60.230	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD061926.D

Acq: 20 Apr 2019 1:06

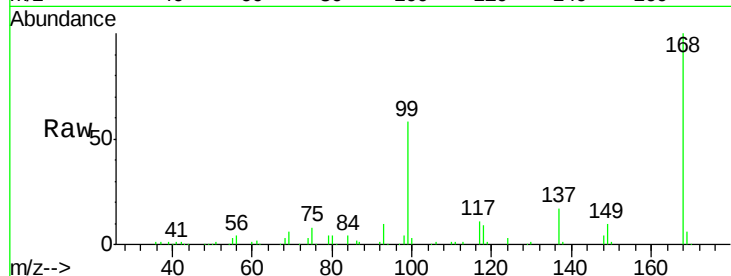
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 535218

Ion Ratio Lower Upper

168 100

99 58.3 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

200000

150000

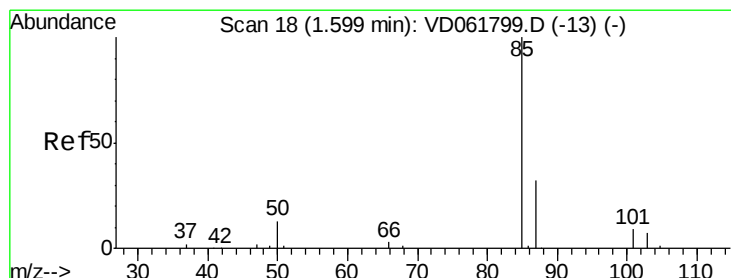
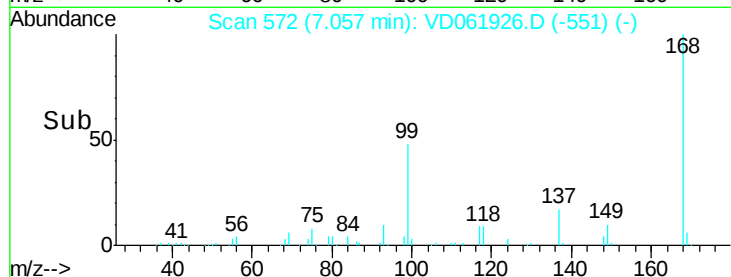
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#2

Dichlorodifluoromethane

Concen: 49.298 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD061926.D

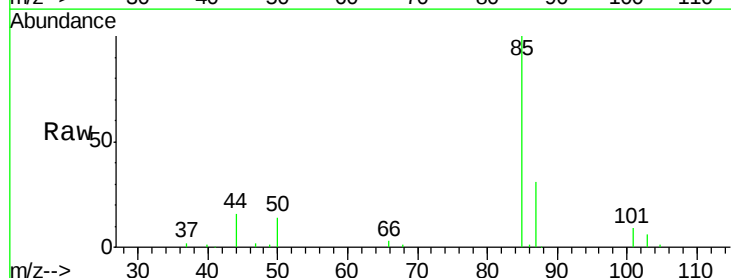
Acq: 20 Apr 2019 1:06

Tgt Ion: 85 Resp: 257529

Ion Ratio Lower Upper

85 100

87 31.0 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

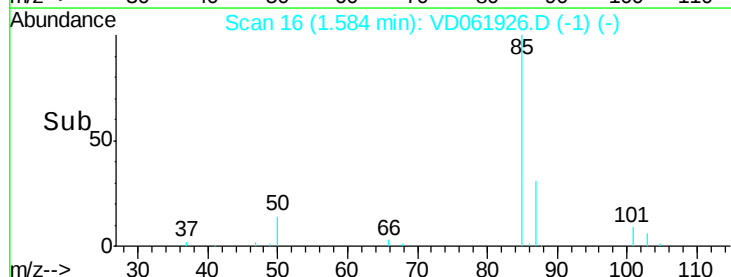
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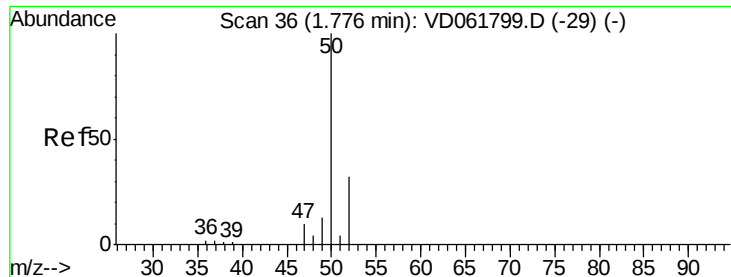
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 47.377 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.00 min

Lab File: VD061926.D

Acq: 20 Apr 2019 1:06

Instrument :

MSVOA_D

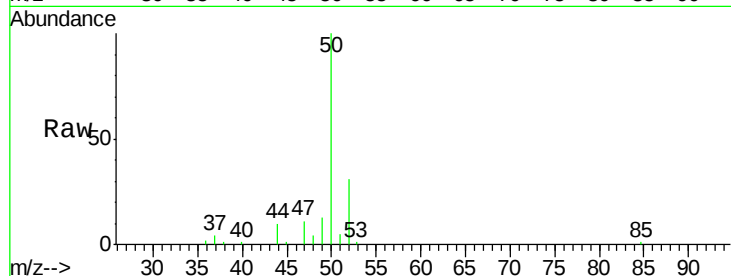
ClientSampled :

Tot Ion: 50 Resp: 197240

Ion Ratio Lower Upper

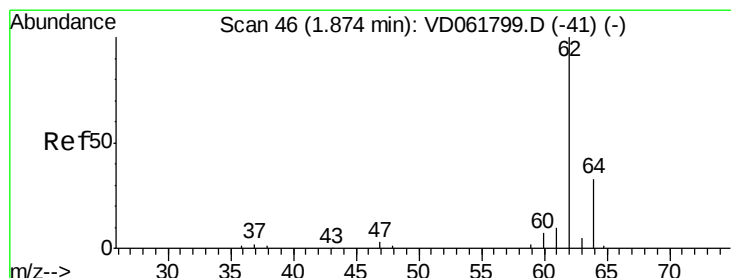
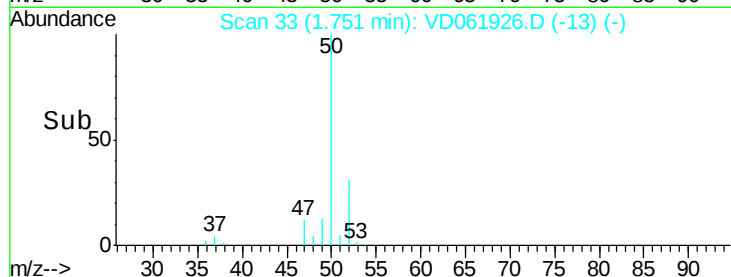
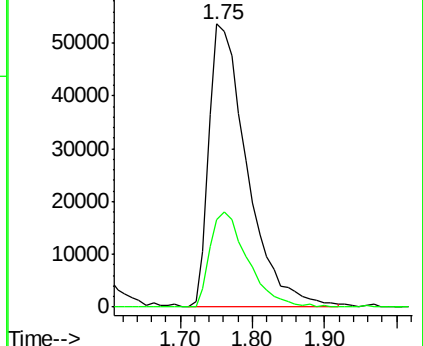
50 100

52 30.8 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: 45.186 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD061926.D

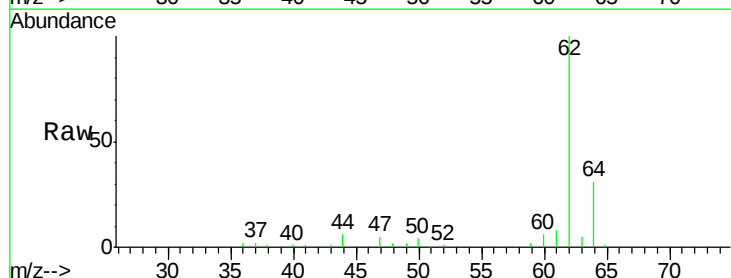
Acq: 20 Apr 2019 1:06

Tgt Ion: 62 Resp: 186697

Ion Ratio Lower Upper

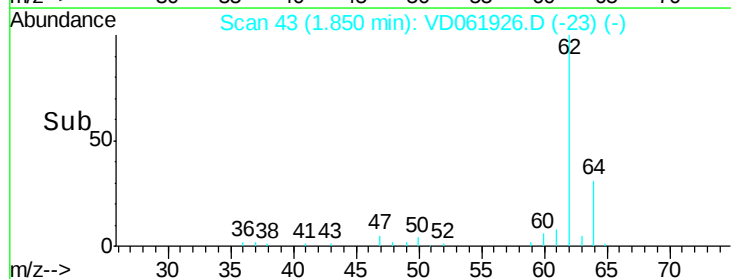
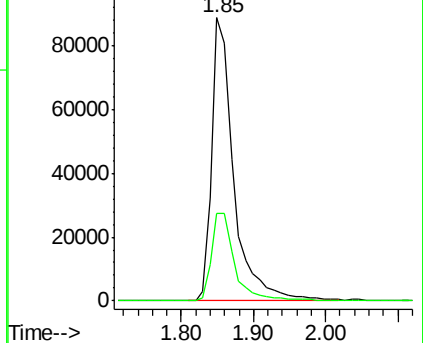
62 100

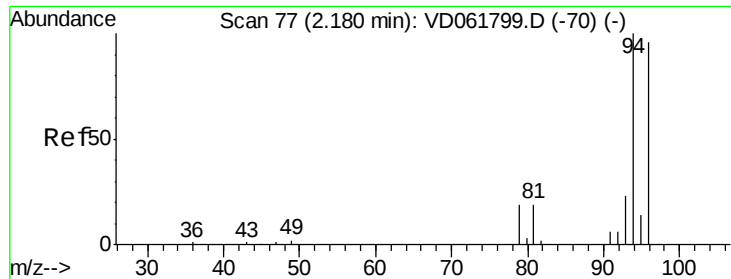
64 31.0 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

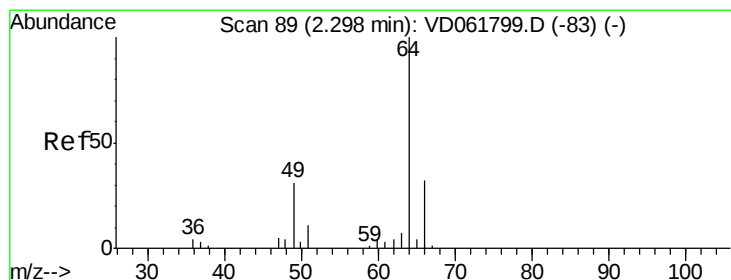
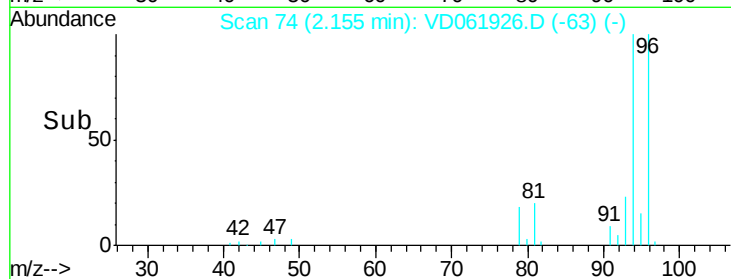
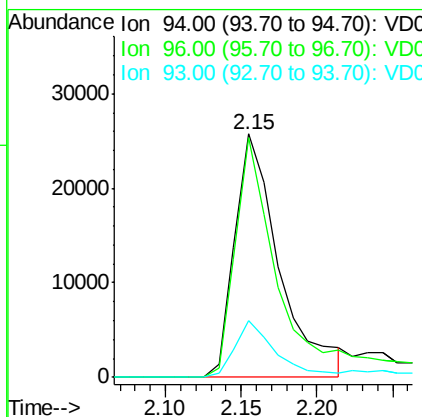
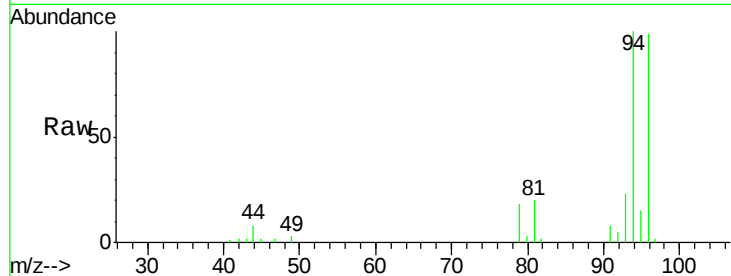




#5
Bromomethane
Concen: 57.830 ug/l
RT: 2.15 min Scan# 74
Delta R.T. 0.01 min
Lab File: VD061926.D
Acq: 20 Apr 2019 1:06

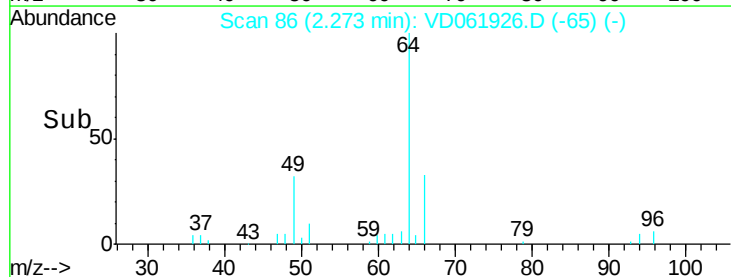
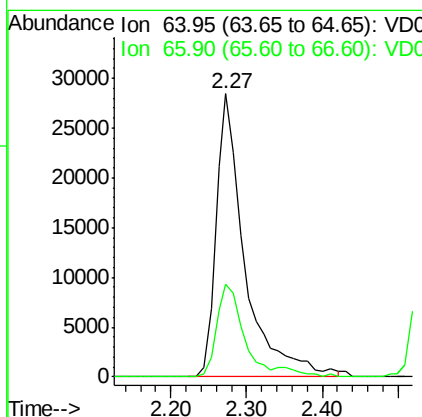
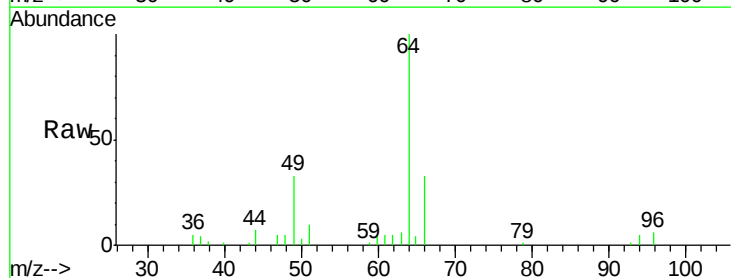
Instrument :
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ClientSampleId :

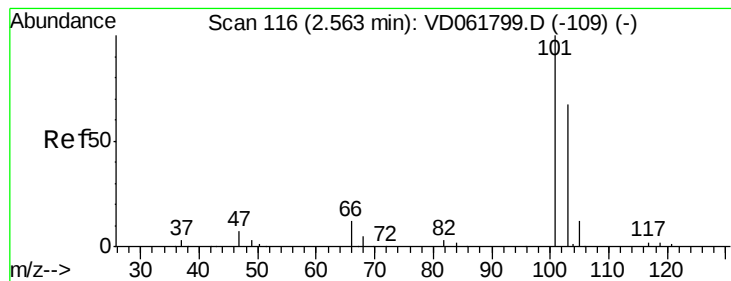
Tot Ion: 94 Resp: 52940
Ion Ratio Lower Upper
94 100
96 100.8 76.6 115.0
93 23.1 18.5 27.7



#6
Chloroethane
Concen: 53.219 ug/l
RT: 2.27 min Scan# 86
Delta R.T. 0.01 min
Lab File: VD061926.D
Acq: 20 Apr 2019 1:06

Tgt Ion: 64 Resp: 75014
Ion Ratio Lower Upper
64 100
66 32.5 25.6 38.4



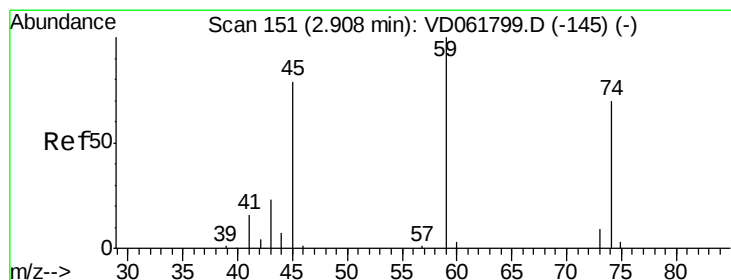
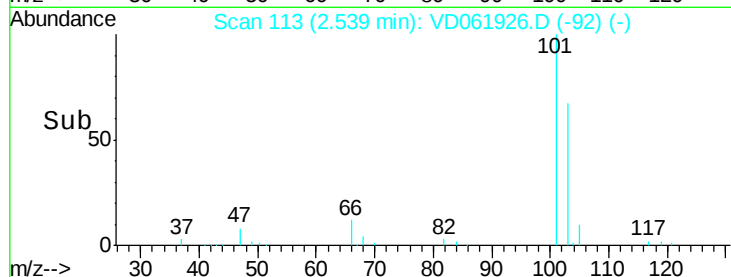
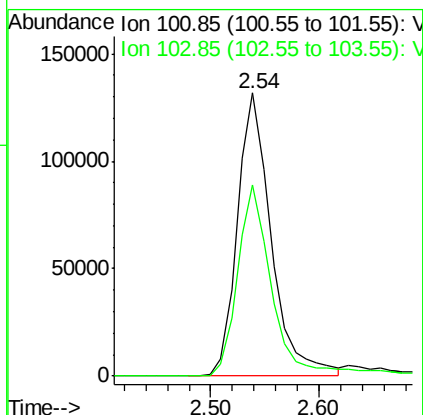
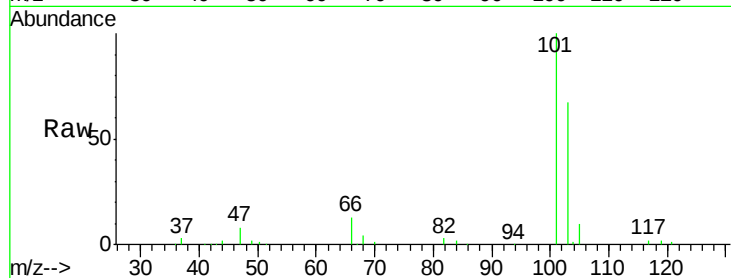


#7

Trichlorofluoromethane
Concen: 42.901 ug/l
RT: 2.54 min Scan# 113
Delta R.T. 0.01 min
Lab File: VD061926.D
Acq: 20 Apr 2019 1:06

Instrument :
MSVOA_D
ClientSampleId :

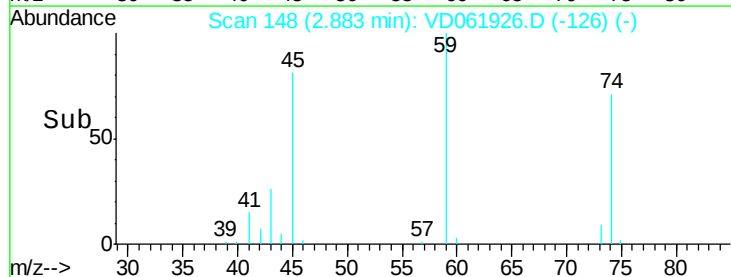
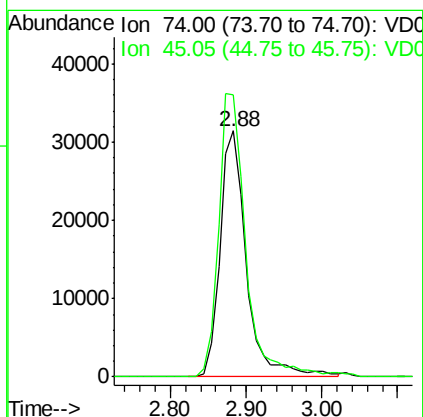
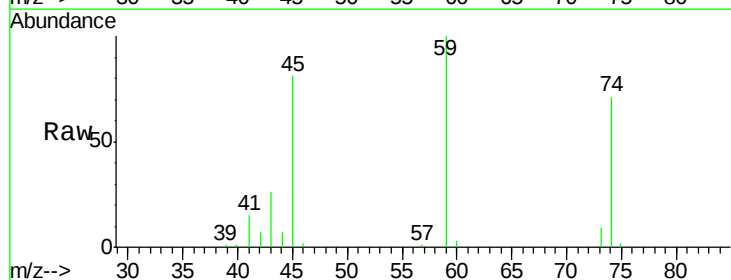
Tot Ion:101 Resp: 287485
Ion Ratio Lower Upper
101 100
103 67.4 53.6 80.4

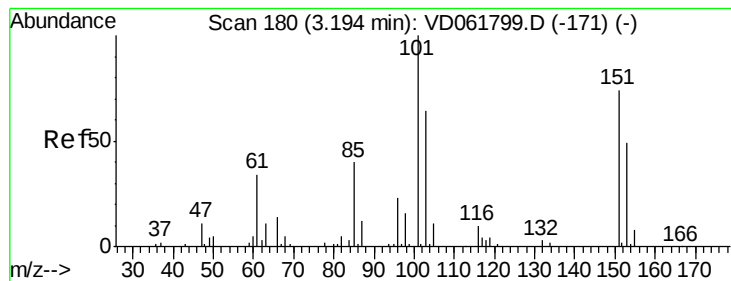


#8

Diethyl Ether
Concen: 43.294 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.02 min
Lab File: VD061926.D
Acq: 20 Apr 2019 1:06

Tgt Ion: 74 Resp: 76031
Ion Ratio Lower Upper
74 100
45 114.7 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 41.059 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.01 min

Lab File: VD061926.D

Acq: 20 Apr 2019 1:06

Instrument :

MSVOA_D

ClientSampleId :

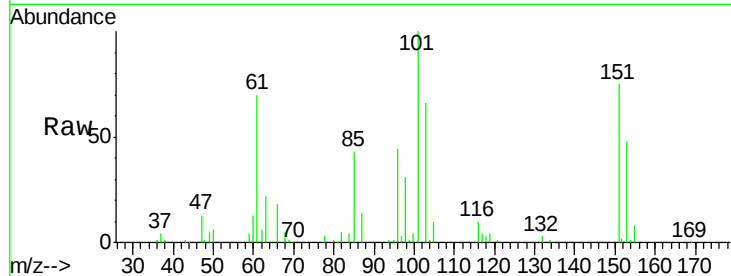
Tot Ion:101 Resp: 245330

Ion Ratio Lower Upper

101 100

85 43.4 32.4 48.6

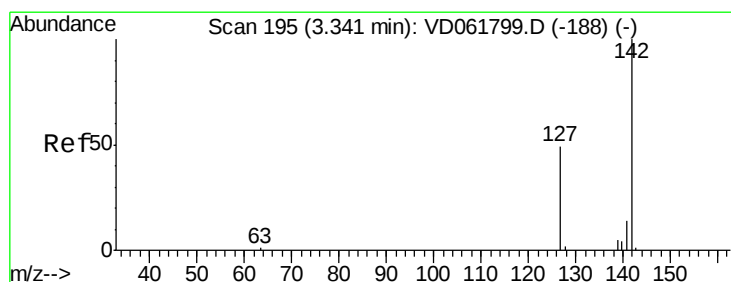
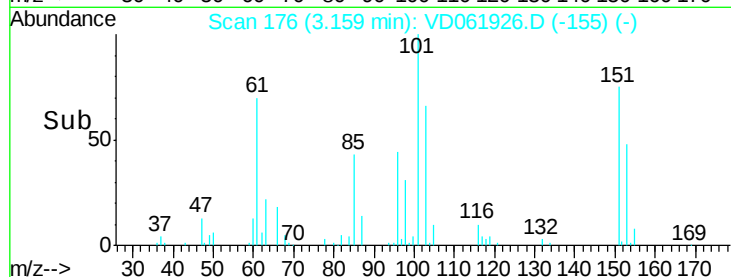
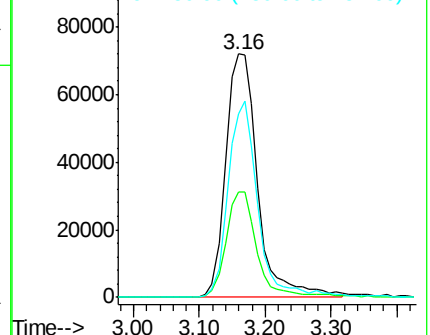
151 75.5 59.4 89.0



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: 42.074 ug/l

RT: 3.32 min Scan# 192

Delta R.T. 0.01 min

Lab File: VD061926.D

Acq: 20 Apr 2019 1:06

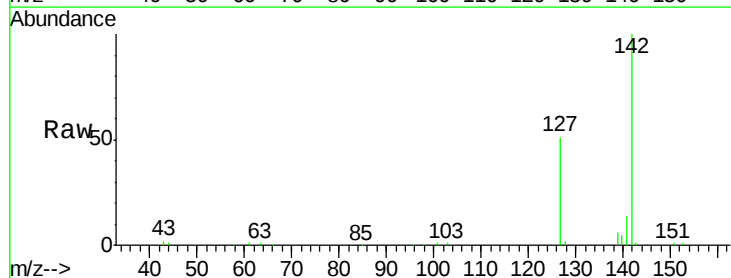
Tgt Ion:142 Resp: 395620

Ion Ratio Lower Upper

142 100

127 51.2 38.8 58.2

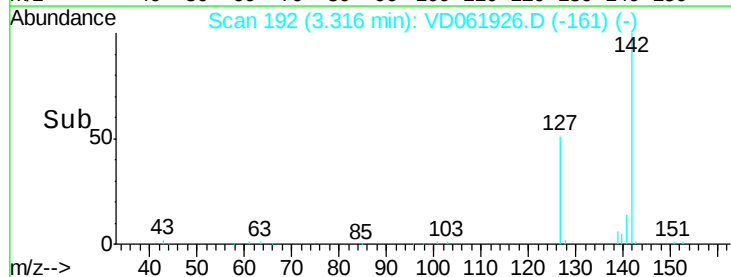
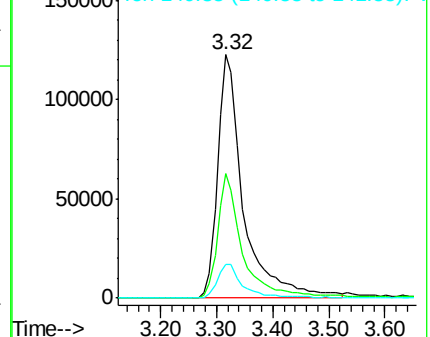
141 14.0 11.4 17.0

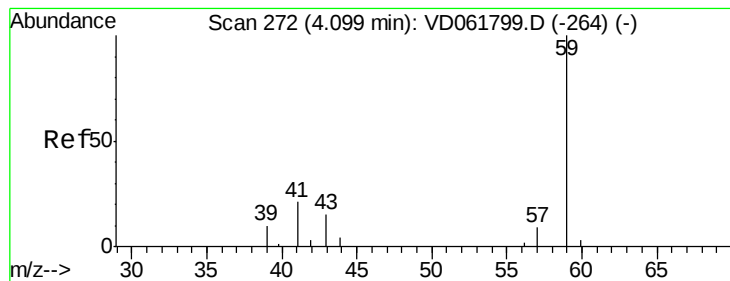


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



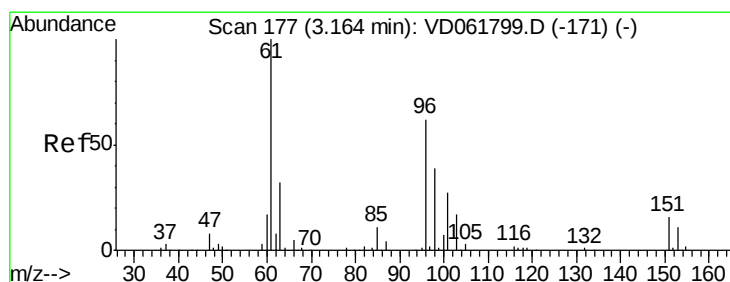
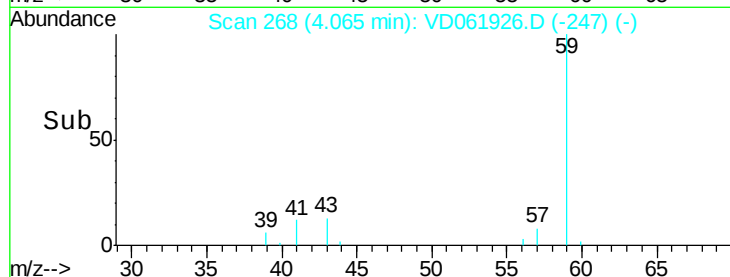
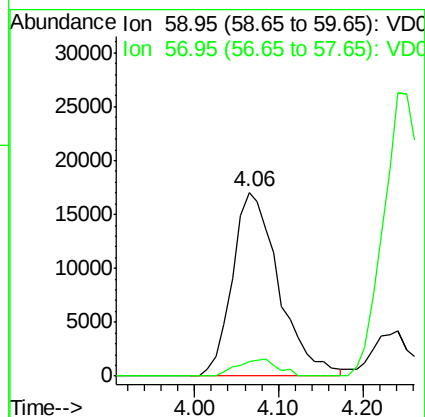
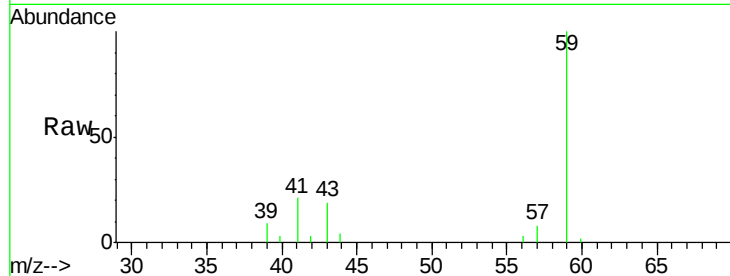


#11

Tert butyl alcohol
 Concen: 247.916 ug/l
 RT: 4.06 min Scan# 268
 Delta R.T. 0.01 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 1:06

Instrument :
 MSVOA_D
 ClientSampled :

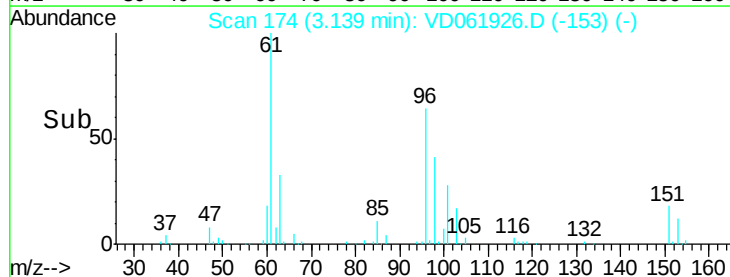
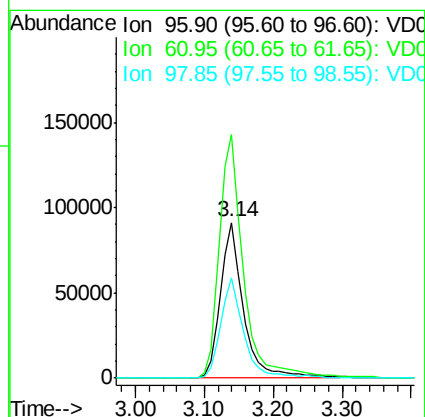
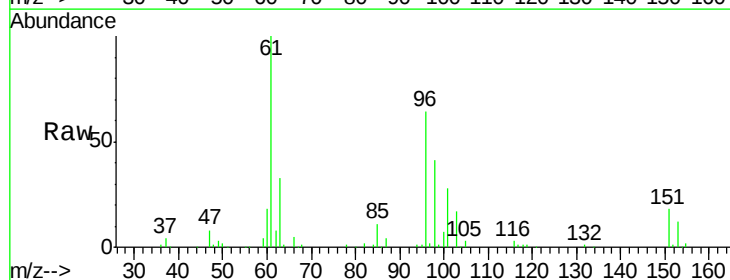
Tot Ion: 59 Resp: 65581
 Ion Ratio Lower Upper
 59 100
 57 8.3 6.9 10.3

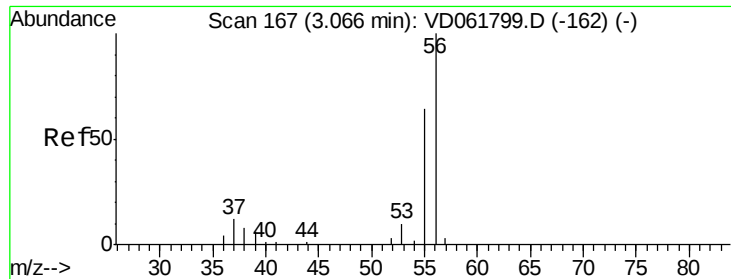


#12

1,1-Dichloroethene
 Concen: 42.365 ug/l
 RT: 3.14 min Scan# 174
 Delta R.T. 0.01 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 1:06

Tgt Ion: 96 Resp: 212806
 Ion Ratio Lower Upper
 96 100
 61 156.4 129.8 194.8
 98 64.3 51.2 76.8

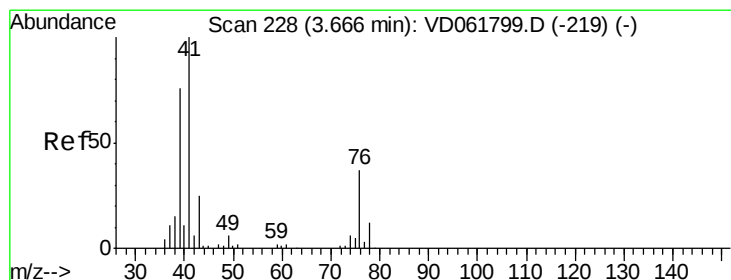
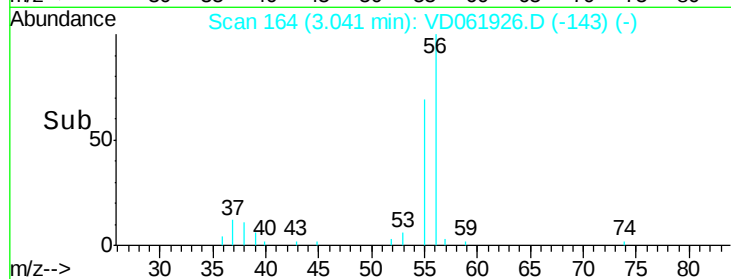
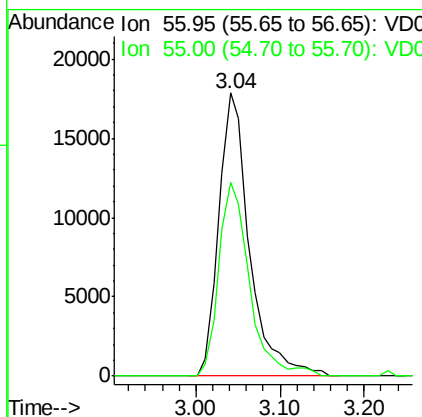
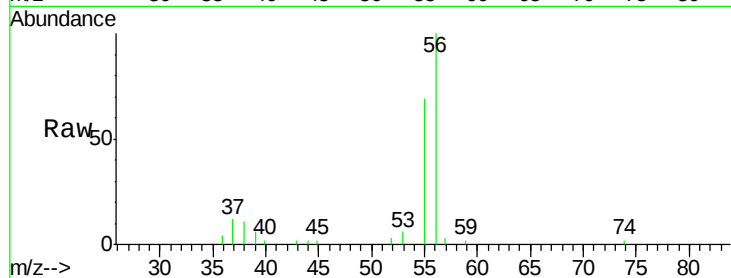




#13
Acrolein
Concen: 176.366 ug/l
RT: 3.04 min Scan# 164
Delta R.T. 0.01 min
Lab File: VD061926.D
Acq: 20 Apr 2019 1:06

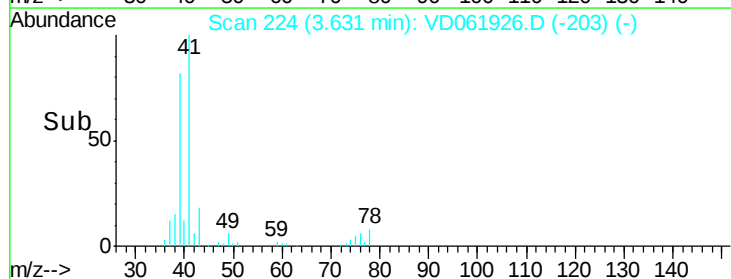
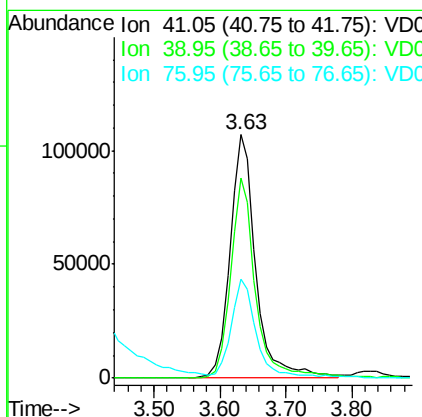
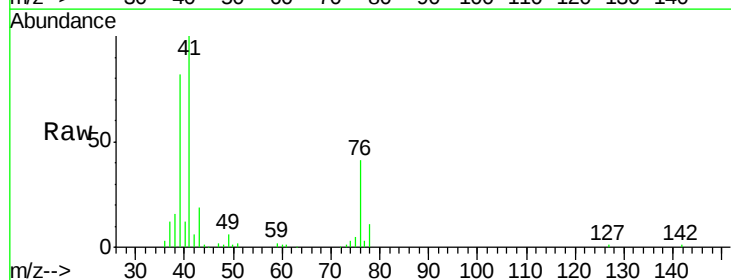
Instrument :
MSVOA_D
ClientSampleId :

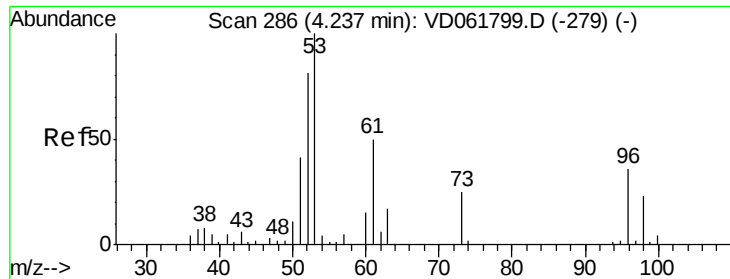
Tot Ion: 56 Resp: 45165
Ion Ratio Lower Upper
56 100
55 68.6 51.4 77.2



#14
Allyl chloride
Concen: 42.899 ug/l
RT: 3.63 min Scan# 224
Delta R.T. 0.01 min
Lab File: VD061926.D
Acq: 20 Apr 2019 1:06

Tgt Ion: 41 Resp: 293719
Ion Ratio Lower Upper
41 100
39 82.2 60.5 90.7
76 40.5 31.8 47.8

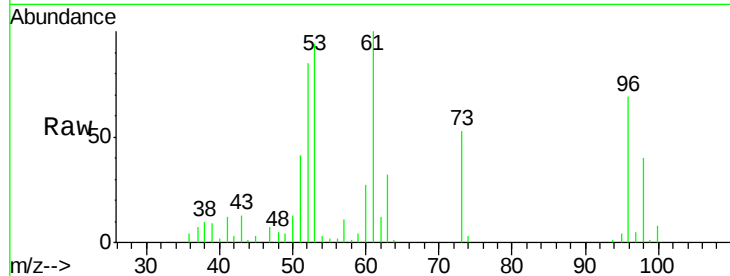




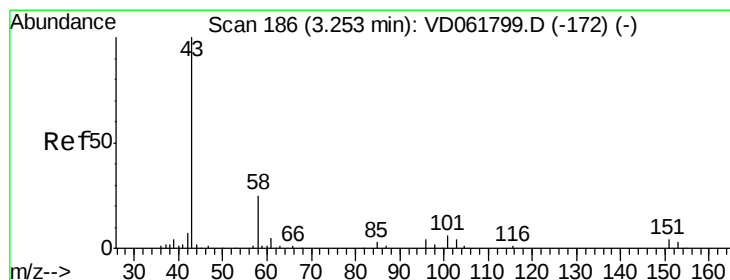
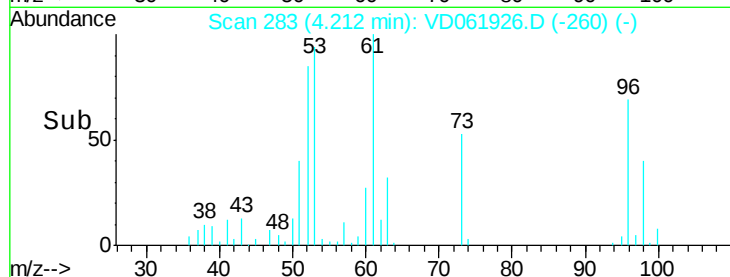
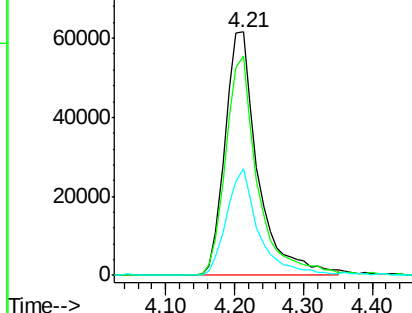
#15
 Acrylonitrile
 Concen: 245.485 ug/l
 RT: 4.21 min Scan# 283
 Delta R.T. 0.03 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 1:06

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 53 Resp: 203865
 Ion Ratio Lower Upper
 53 100
 52 90.2 65.0 97.4
 51 43.7 32.6 48.8

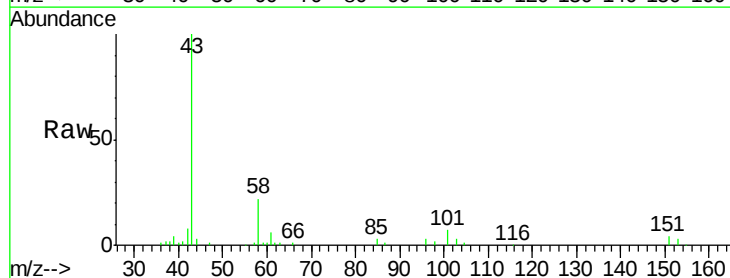


Abundance Ion 53.00 (52.70 to 53.70): VDC
 Ion 52.00 (51.70 to 52.70): VDC
 Ion 51.00 (50.70 to 51.70): VDC

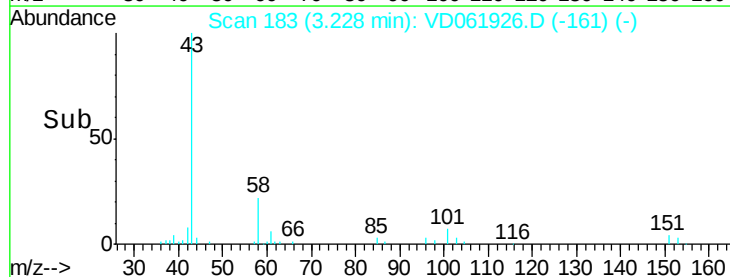
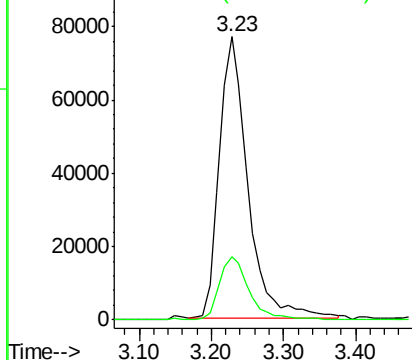


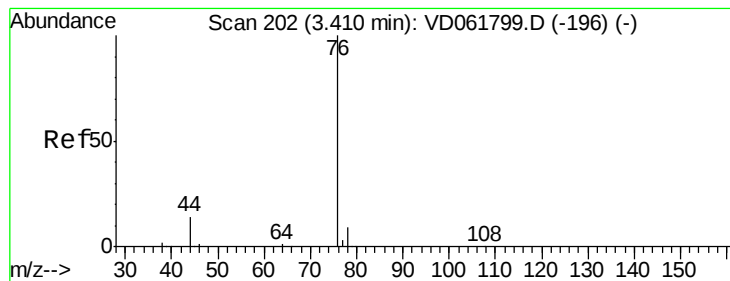
#16
 Acetone
 Concen: 188.488 ug/l
 RT: 3.23 min Scan# 183
 Delta R.T. 0.02 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 1:06

Tgt Ion: 43 Resp: 208381
 Ion Ratio Lower Upper
 43 100
 58 22.2 19.9 29.9



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





#17

Carbon Disulfide

Concen: 39.865 ug/l

RT: 3.39 min Scan# 199

Delta R.T. 0.01 min

Lab File: VD061926.D

Acq: 20 Apr 2019 1:06

Instrument :

MSVOA_D

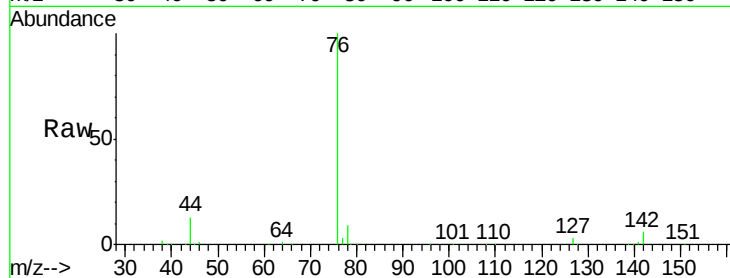
ClientSampleId :

Tot Ion: 76 Resp: 647013

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.39

250000

200000

150000

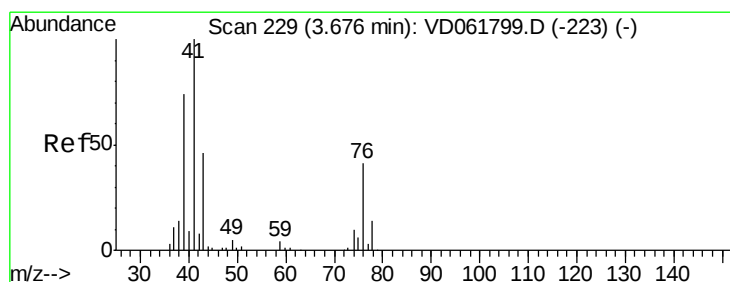
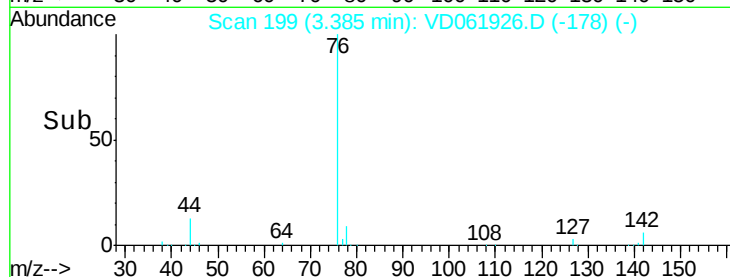
100000

50000

0

Time-->

3.30 3.40 3.50 3.60



#18

Methyl Acetate

Concen: 43.700 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD061926.D

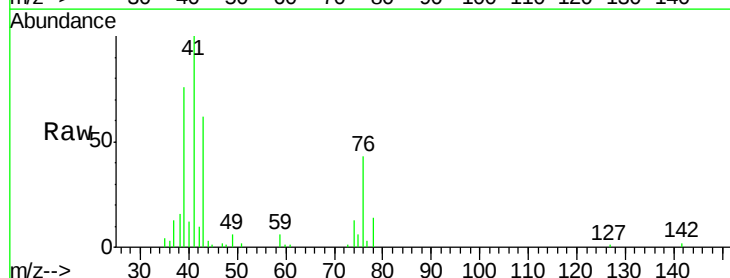
Acq: 20 Apr 2019 1:06

Tgt Ion: 43 Resp: 96832

Ion Ratio Lower Upper

43 100

74 20.9 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.65

40000

30000

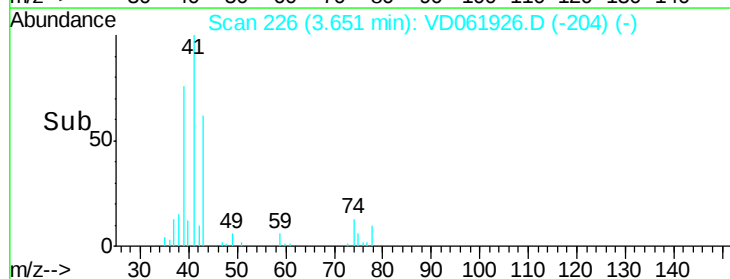
20000

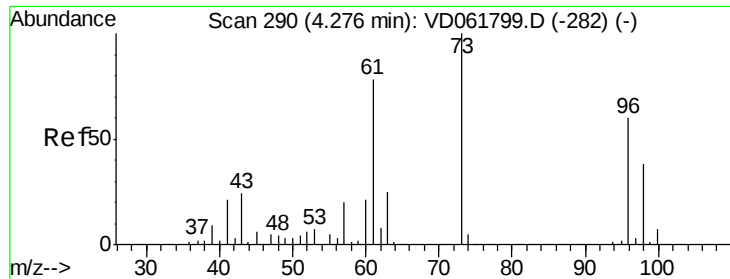
10000

0

Time-->

3.50 3.60 3.70 3.80

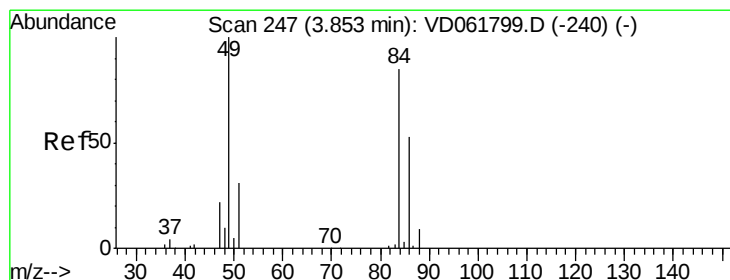
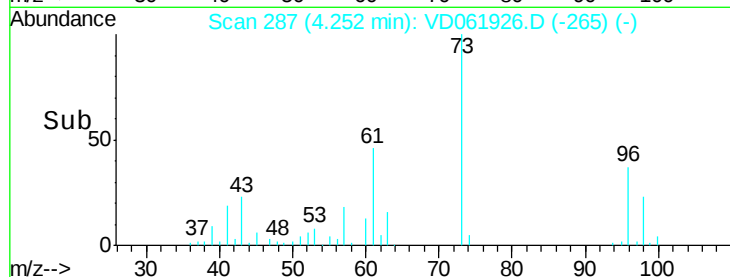
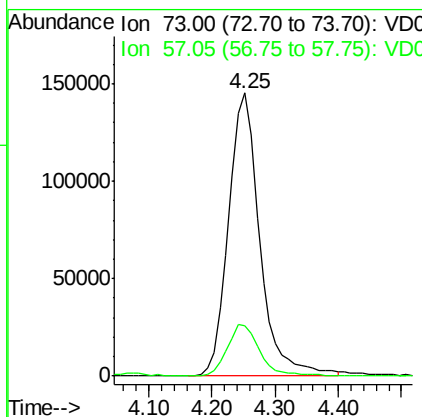
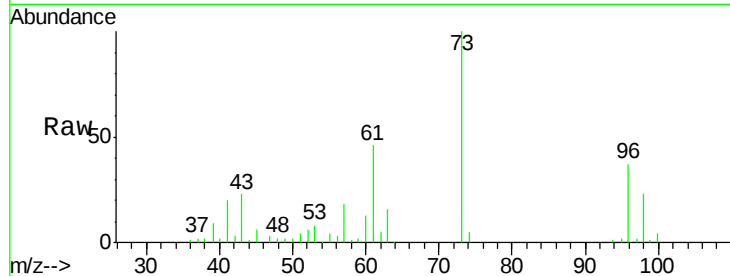




#19
Methvl tert-butvl Ether
Concen: 53.312 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.02 min
Lab File: VD061926.D
Acq: 20 Apr 2019 1:06

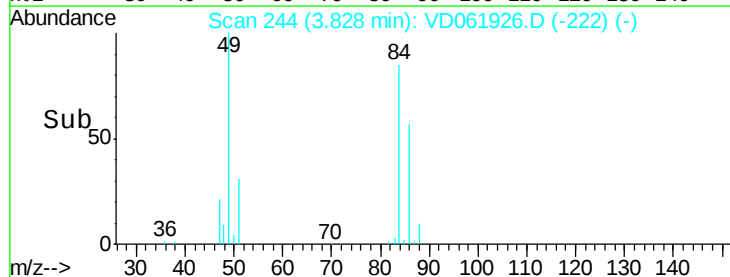
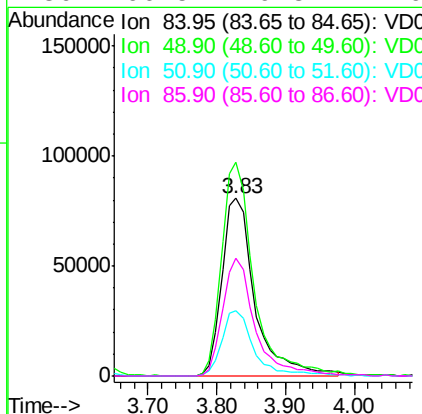
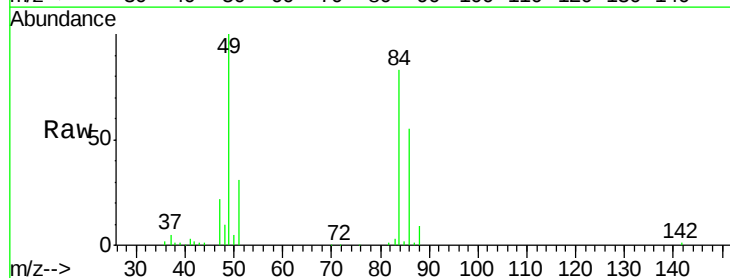
Instrument :
MSVOA_D
ClientSampleId :

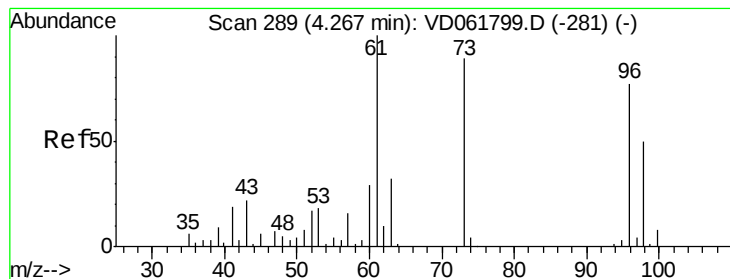
Tot Ion: 73 Resp: 499755
Ion Ratio Lower Upper
73 100
57 18.0 16.3 24.5



#20
Methylene Chloride
Concen: 48.713 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD061926.D
Acq: 20 Apr 2019 1:06

Tgt Ion: 84 Resp: 268340
Ion Ratio Lower Upper
84 100
49 120.3 94.0 141.0
51 37.0 29.0 43.4
86 66.5 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 48.530 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.02 min

Lab File: VD061926.D

Acq: 20 Apr 2019 1:06

Instrument :

MSVOA_D

ClientSampleId :

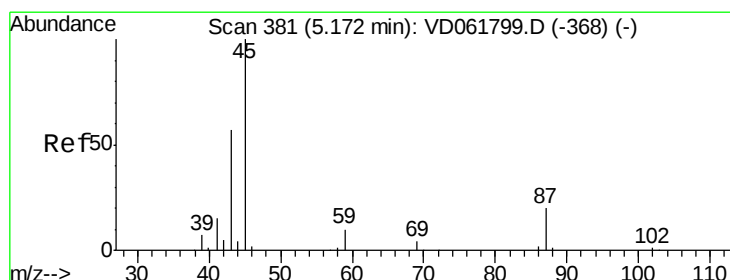
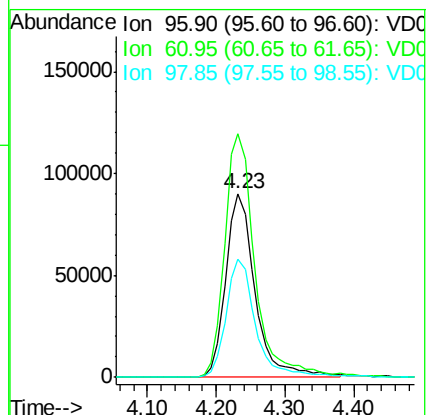
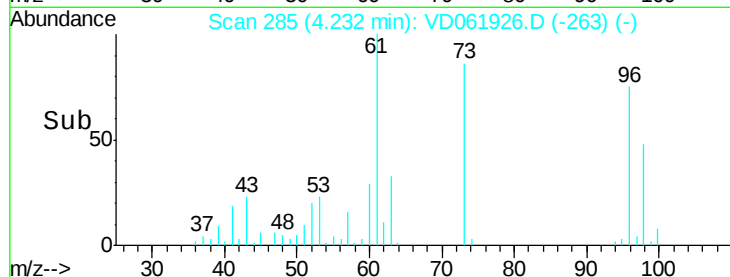
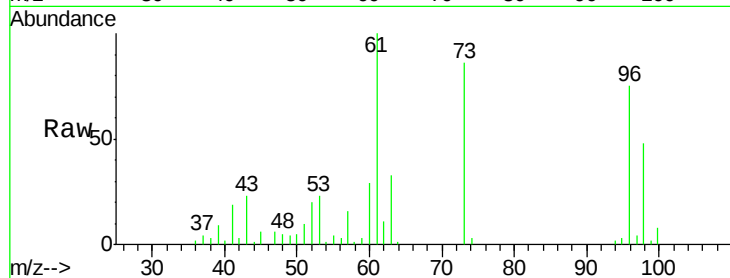
Tot Ion: 96 Resp: 267903

Ion Ratio Lower Upper

96 100

61 132.7 104.4 156.6

98 64.1 51.8 77.8



#22

Diisopropyl ether

Concen: 49.655 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.02 min

Lab File: VD061926.D

Acq: 20 Apr 2019 1:06

Tgt Ion: 45 Resp: 726741

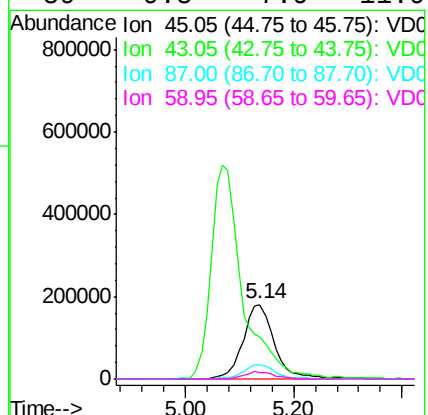
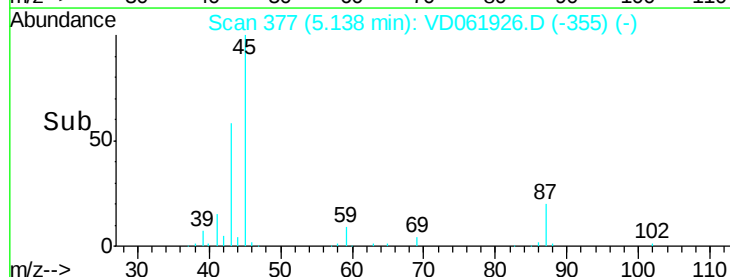
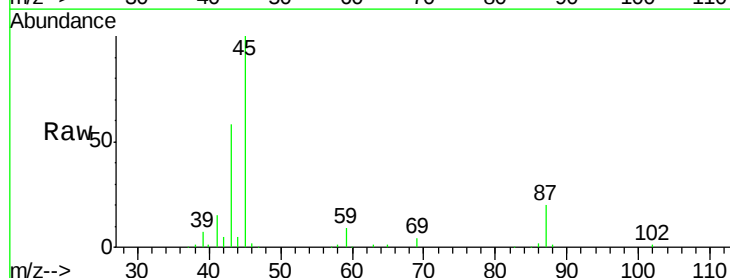
Ion Ratio Lower Upper

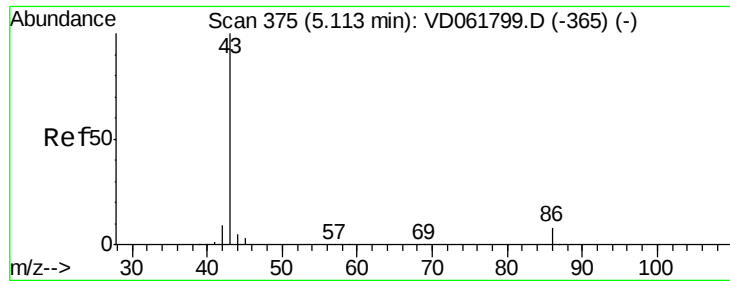
45 100

43 57.5 46.2 69.2

87 19.6 15.9 23.9

59 9.5 7.9 11.9





#23

Vinyl Acetate

Concen: 265.097 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.02 min

Lab File: VD061926.D

Acq: 20 Apr 2019 1:06

Instrument :

MSVOA_D

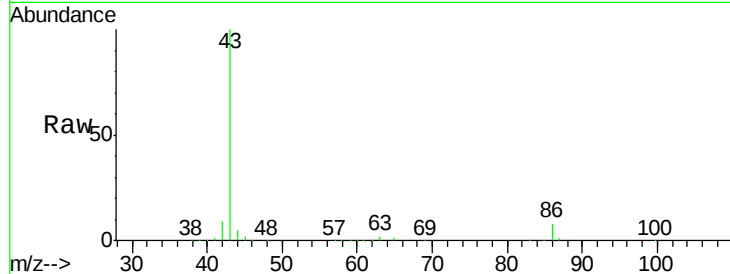
ClientSampleId :

Tot Ion: 43 Resp: 2074044

Ion Ratio Lower Upper

43 100

86 7.8 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.07

600000

500000

400000

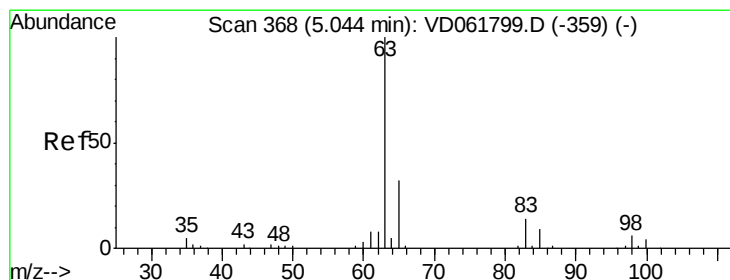
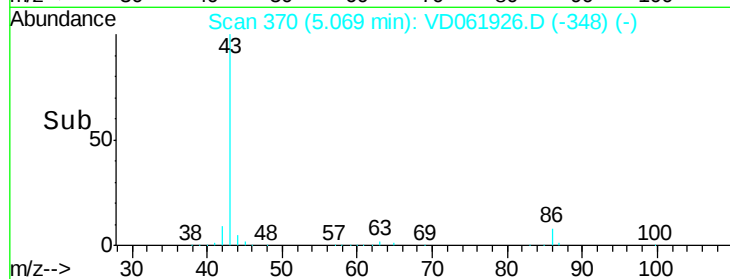
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.364 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.02 min

Lab File: VD061926.D

Acq: 20 Apr 2019 1:06

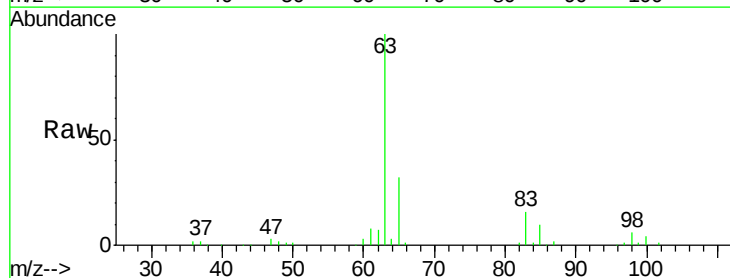
Tgt Ion: 63 Resp: 455780

Ion Ratio Lower Upper

63 100

98 5.5 2.8 8.4

100 3.6 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

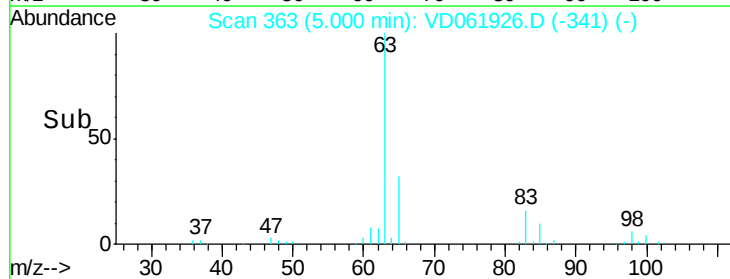
150000

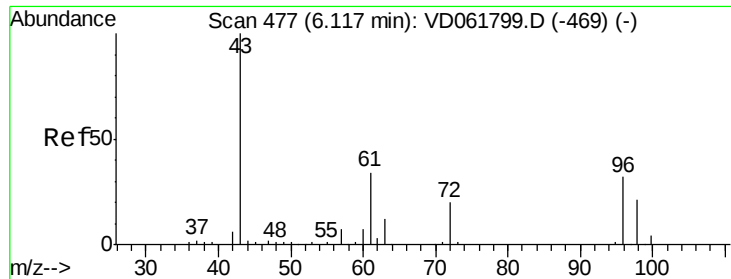
100000

50000

0

Time-->





#25

2-Butanone

Concen: 249.278 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.02 min

Lab File: VD061926.D

Acq: 20 Apr 2019 1:06

Instrument :

MSVOA_D

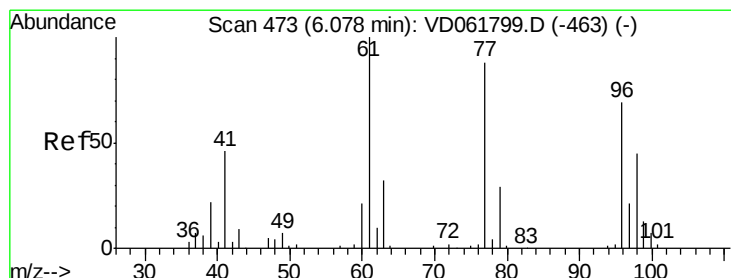
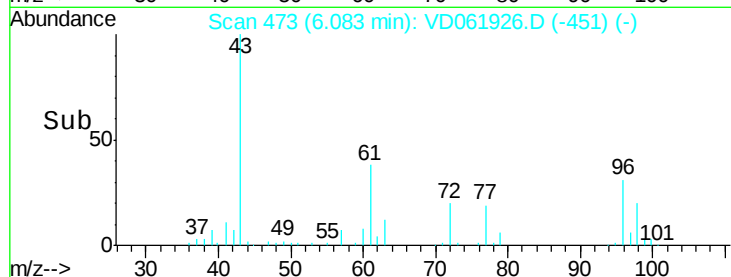
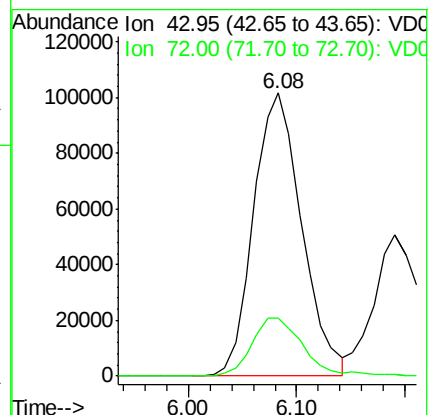
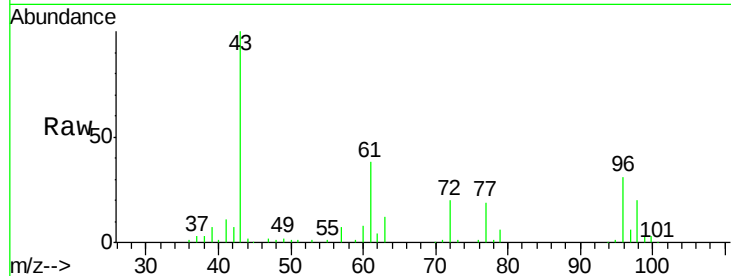
ClientSampleId :

Tot Ion: 43 Resp: 313748

Ion Ratio Lower Upper

43 100

72 20.5 16.2 24.4



#26

2,2-Dichloropropane

Concen: 46.332 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.03 min

Lab File: VD061926.D

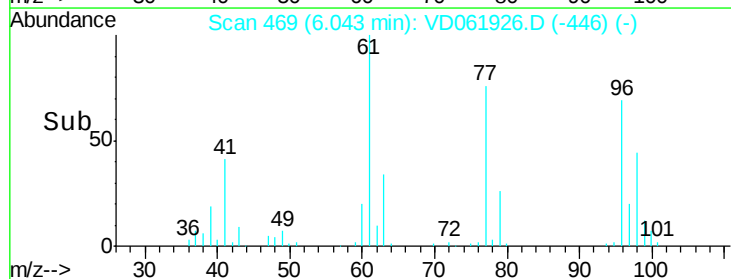
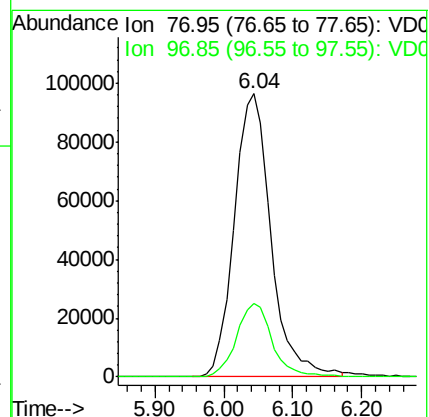
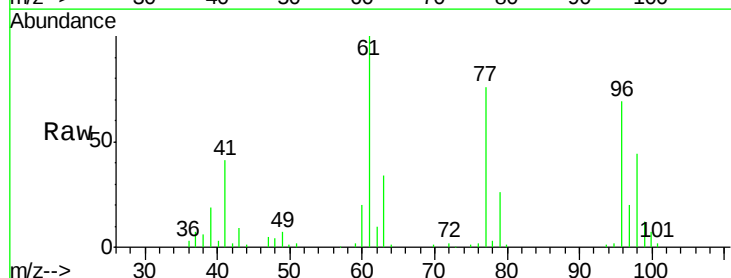
Acq: 20 Apr 2019 1:06

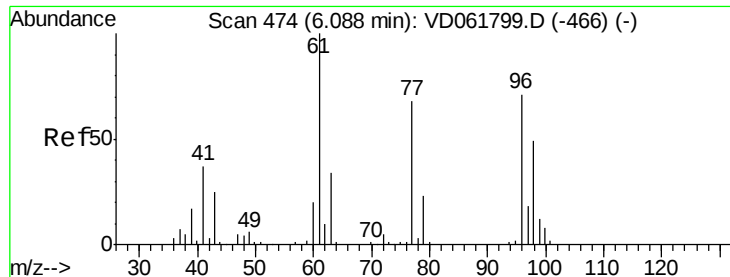
Tgt Ion: 77 Resp: 355363

Ion Ratio Lower Upper

77 100

97 26.0 11.9 35.9



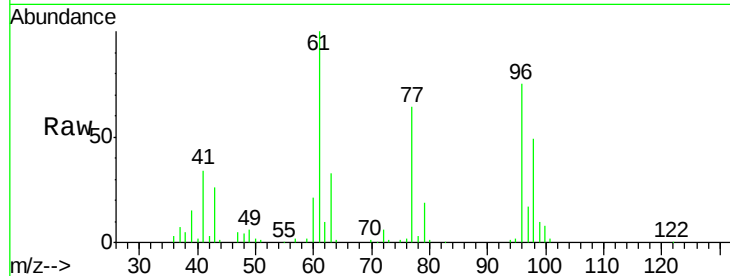


#27

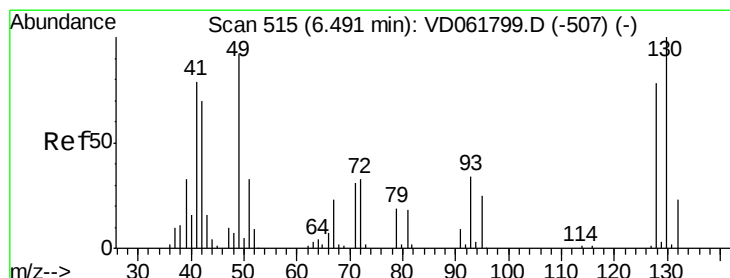
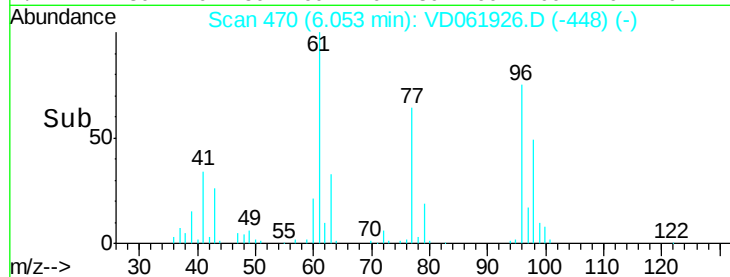
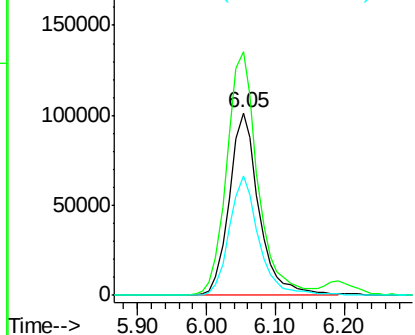
cis-1,2-Dichloroethene
 Concen: 50.720 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. 0.02 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 1:06

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.4	0.0	279.8
98	65.2	0.0	136.0



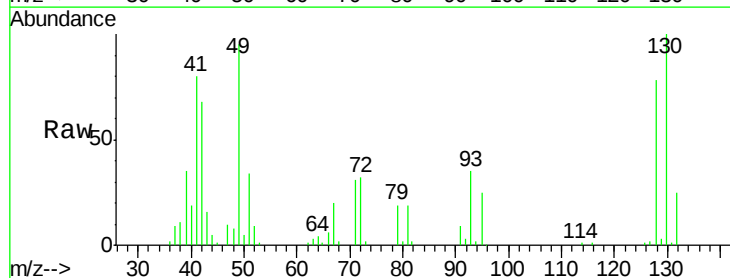
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



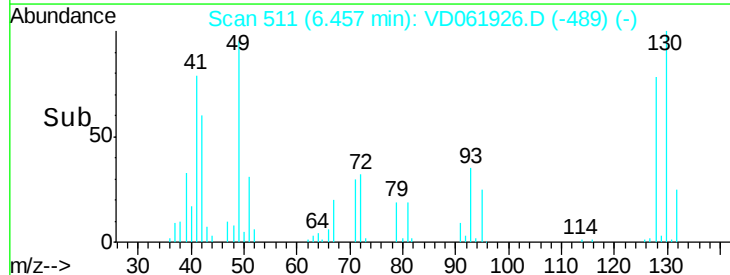
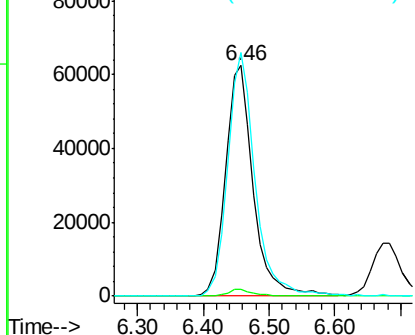
#28

Bromochloromethane
 Concen: 54.434 ug/l
 RT: 6.46 min Scan# 511
 Delta R.T. 0.02 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 1:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	6.6
130	105.6	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

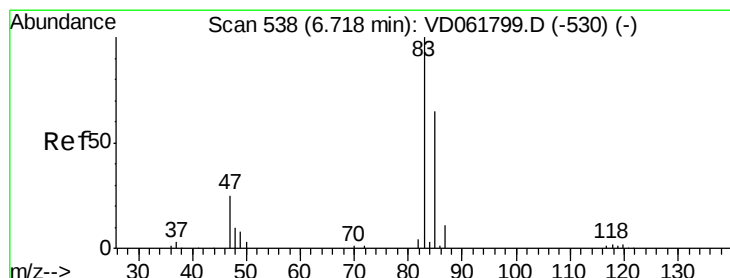
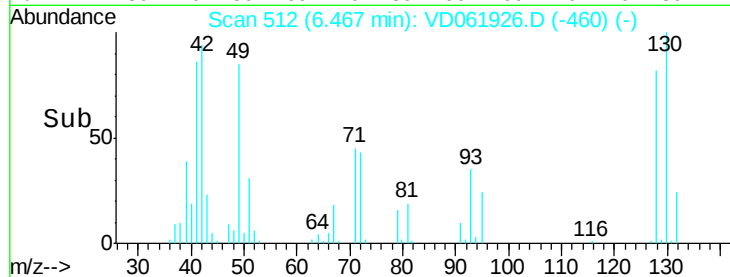
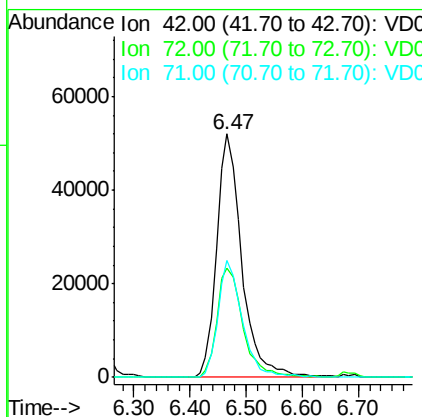
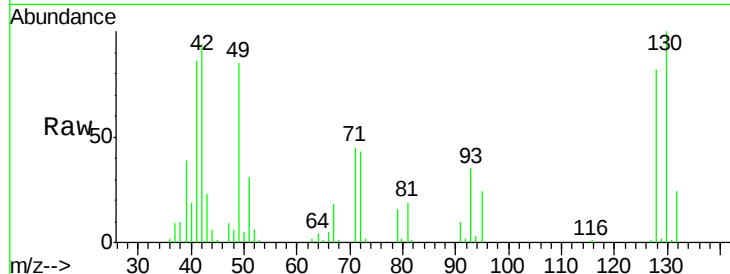




#29
Tetrahydrofuran
Concen: 266.642 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD061926.D
Acq: 20 Apr 2019 1:06

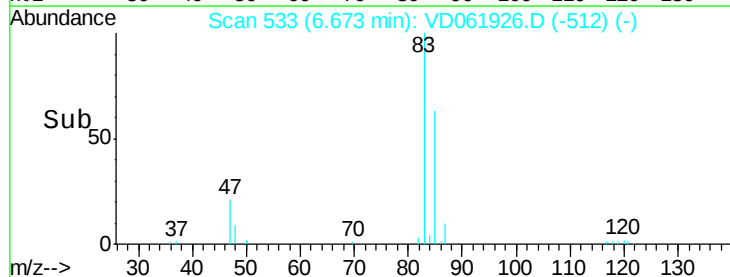
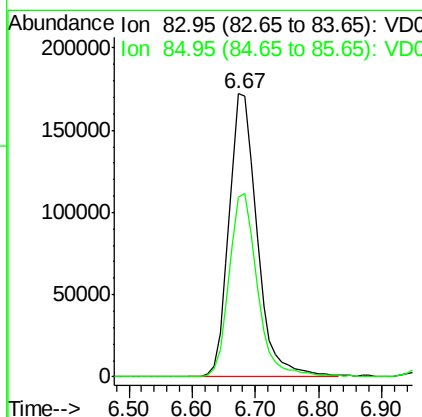
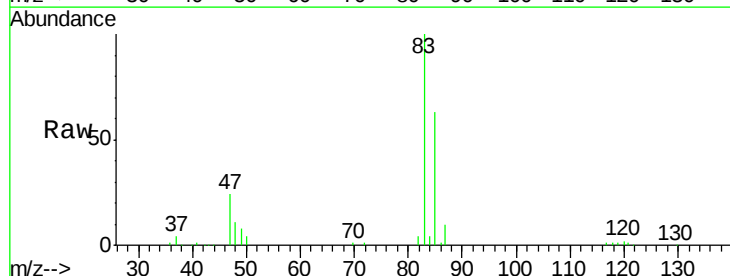
Instrument :
MSVOA_D
ClientSampleId :

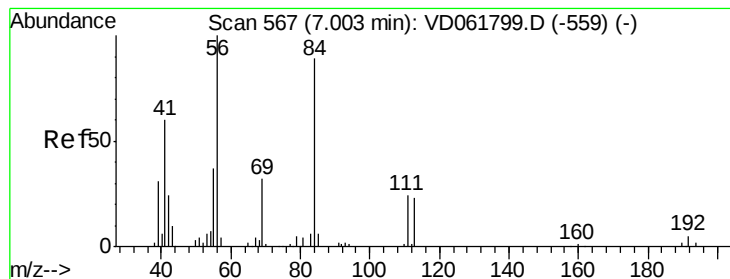
Tot Ion: 42 Resp: 163477
Ion Ratio Lower Upper
42 100
72 46.5 37.8 56.6
71 46.1 36.7 55.1



#30
Chloroform
Concen: 53.615 ug/l
RT: 6.67 min Scan# 533
Delta R.T. 0.01 min
Lab File: VD061926.D
Acq: 20 Apr 2019 1:06

Tgt Ion: 83 Resp: 530650
Ion Ratio Lower Upper
83 100
85 63.4 51.7 77.5





#31

Cyclohexane

Concen: 47.880 ug/l

RT: 6.97 min Scan# 563

Delta R.T. 0.02 min

Lab File: VD061926.D

Acq: 20 Apr 2019 1:06

Instrument :

MSVOA_D

ClientSampled :

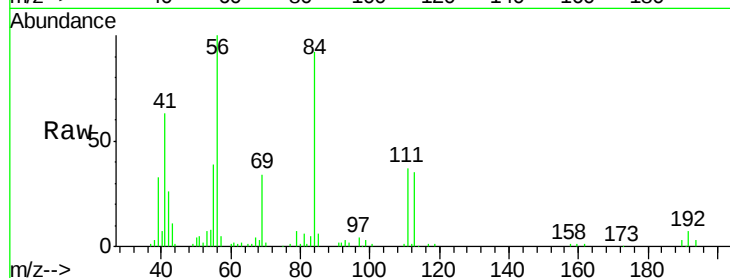
Tot Ion: 56 Resp: 325251

Ion Ratio Lower Upper

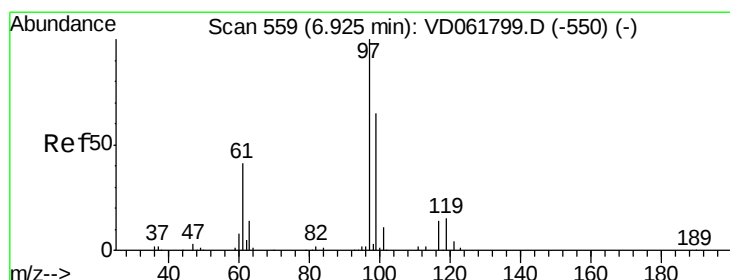
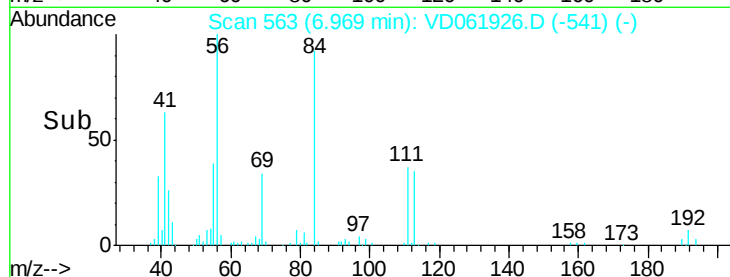
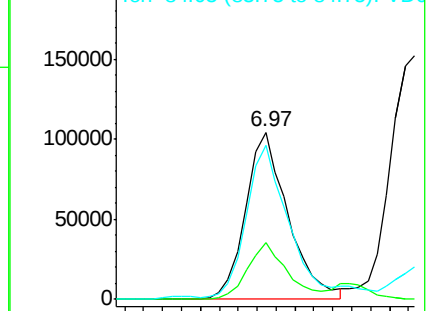
56 100

69 34.1 25.8 38.6

84 92.0 72.2 108.4



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



#32

1,1,1-Trichloroethane

Concen: 51.521 ug/l

RT: 6.88 min Scan# 554

Delta R.T. 0.01 min

Lab File: VD061926.D

Acq: 20 Apr 2019 1:06

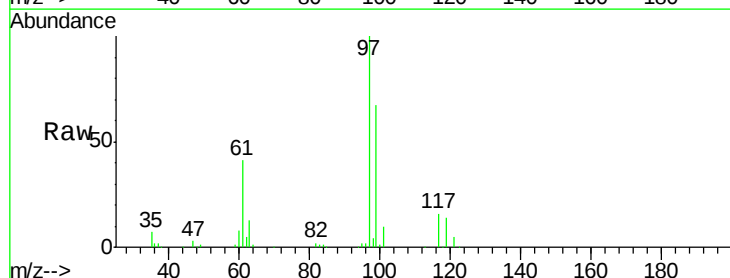
Tgt Ion: 97 Resp: 452026

Ion Ratio Lower Upper

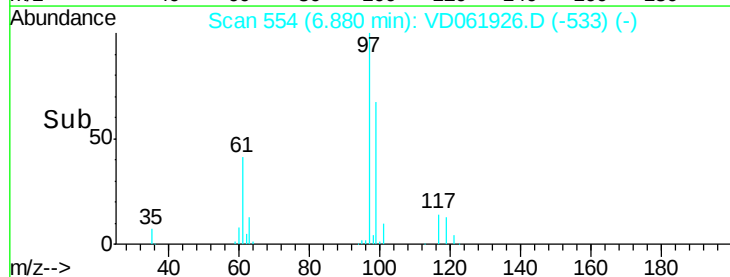
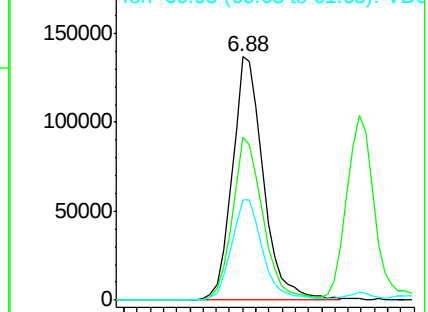
97 100

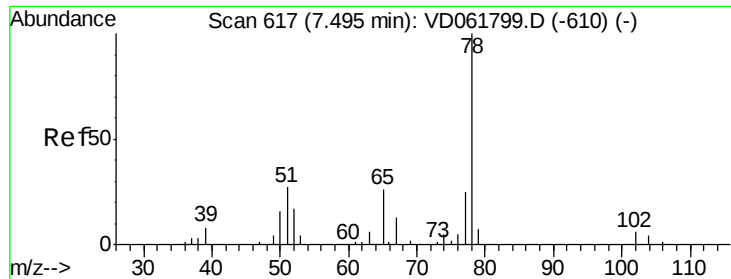
99 67.1 52.2 78.2

61 41.4 32.4 48.6



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





#33

1,2-Dichloroethane-d4

Concen: 51.521 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.02 min

Lab File: VD061926.D

Acq: 20 Apr 2019 1:06

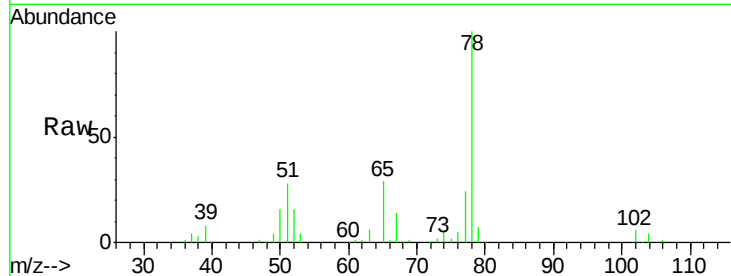
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 65 Resp: 243202

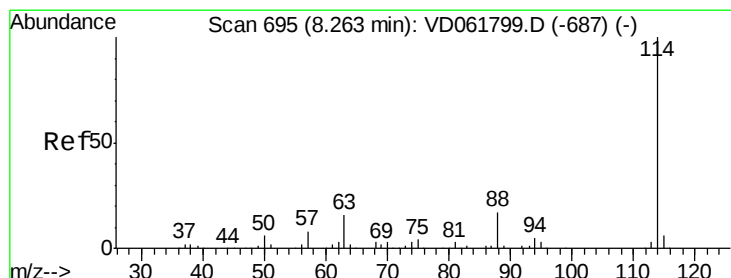
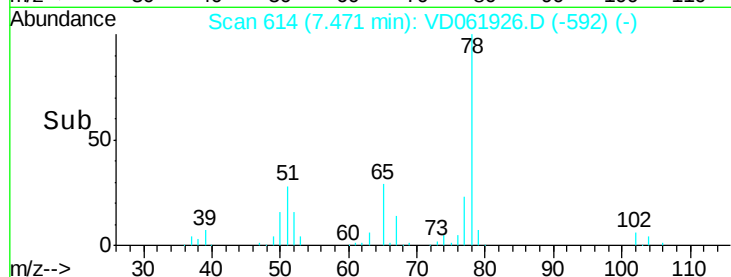
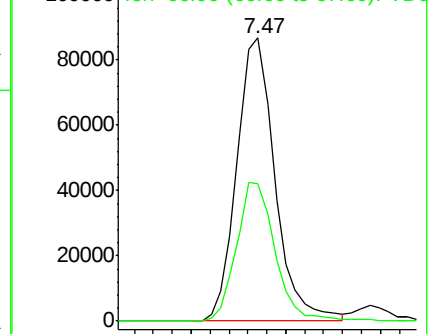
Ion Ratio Lower Upper

65 100

67 48.5 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD061926.D

Acq: 20 Apr 2019 1:06

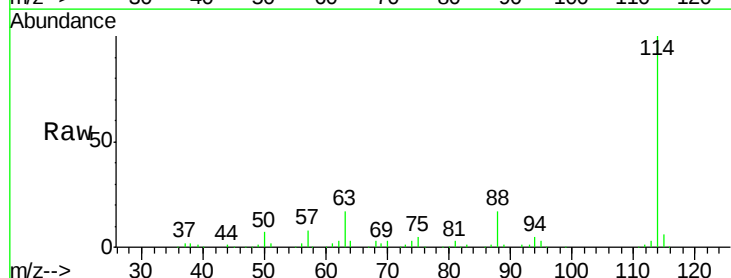
Tgt Ion: 114 Resp: 873959

Ion Ratio Lower Upper

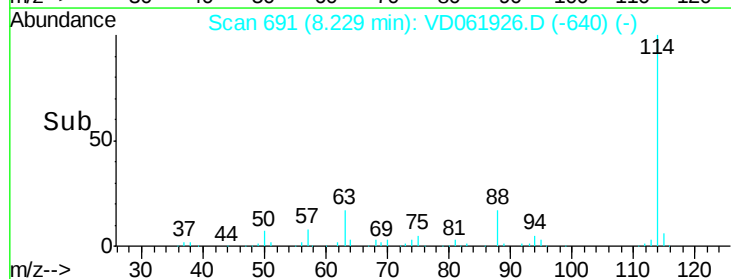
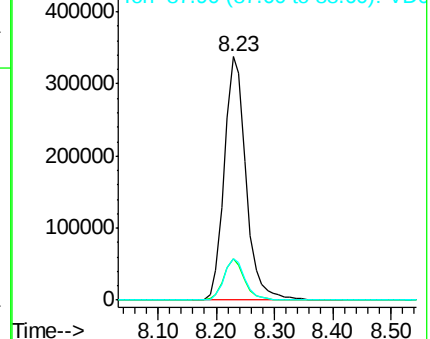
114 100

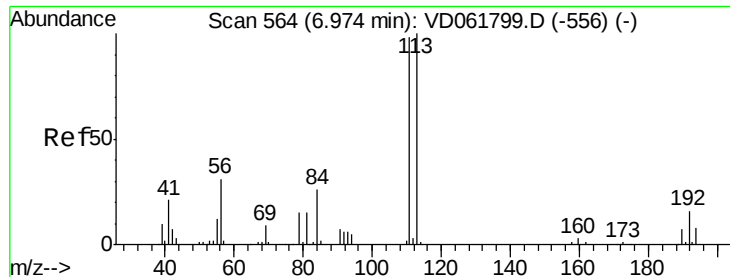
63 16.7 0.0 32.4

88 17.2 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): VDC
Ion 62.95 (62.65 to 63.65): VDC
Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.02 min

Lab File: VD061926.D

Acq: 20 Apr 2019 1:06

Instrument :
MSVOA_D
ClientSampleId :

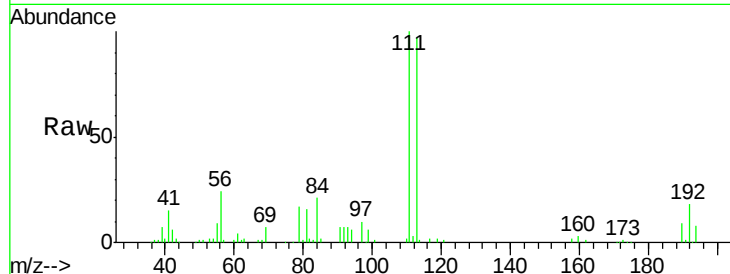
Tot Ion:113 Resp: 366126

Ion Ratio Lower Upper

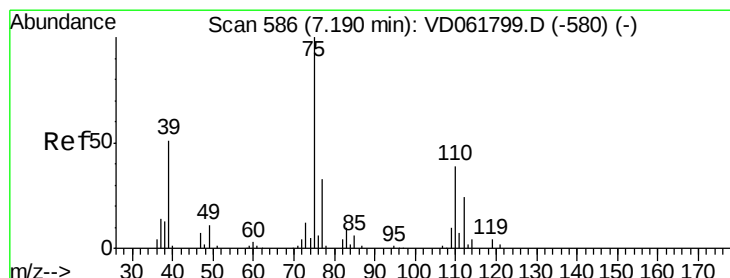
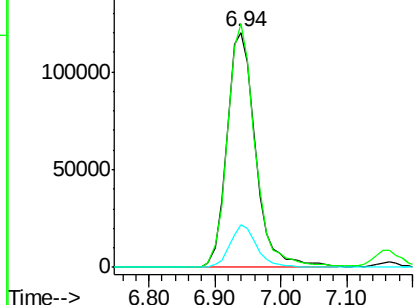
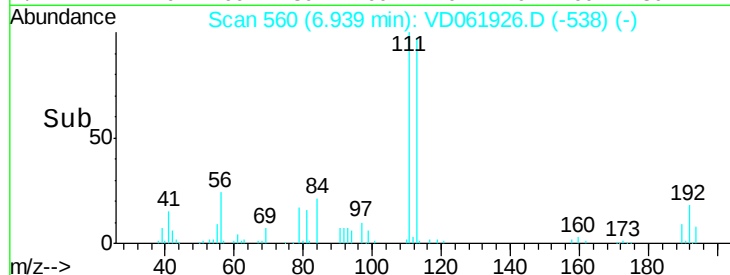
113 100

111 103.5 78.5 117.7

192 18.4 13.0 19.4



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



#36

1,1-Dichloropropene

Concen: 52.574 ug/l

RT: 7.16 min Scan# 582

Delta R.T. 0.01 min

Lab File: VD061926.D

Acq: 20 Apr 2019 1:06

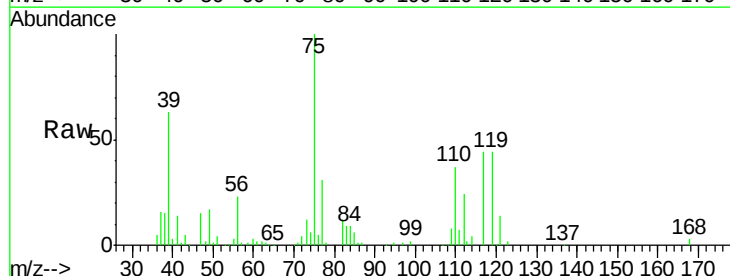
Tgt Ion: 75 Resp: 375463

Ion Ratio Lower Upper

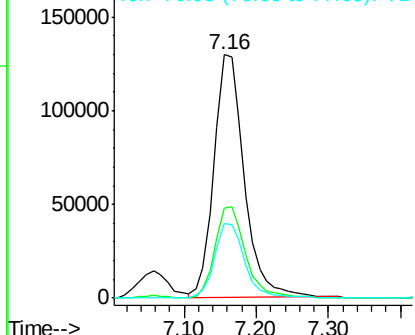
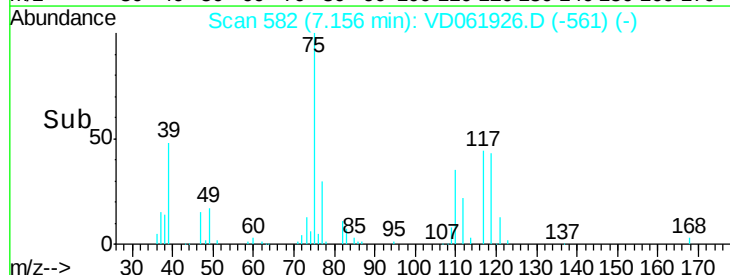
75 100

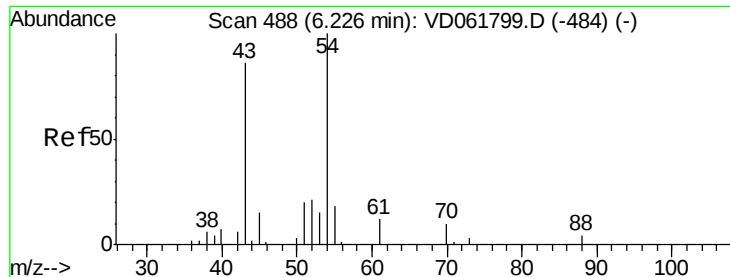
110 36.9 19.1 57.1

77 30.8 25.6 38.4



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





#37

Ethyl Acetate

Concen: 50.969 ug/l

RT: 6.19 min Scan# 484

Delta R.T. 0.02 min

Lab File: VD061926.D

Acq: 20 Apr 2019 1:06

Instrument :

MSVOA_D

ClientSampleId :

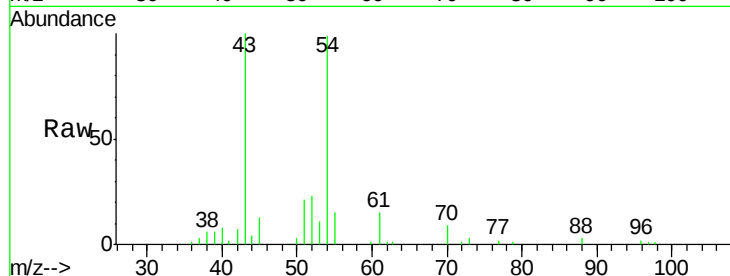
Tot Ion: 43 Resp: 155791

Ion Ratio Lower Upper

43 100

61 15.2 14.7 22.1

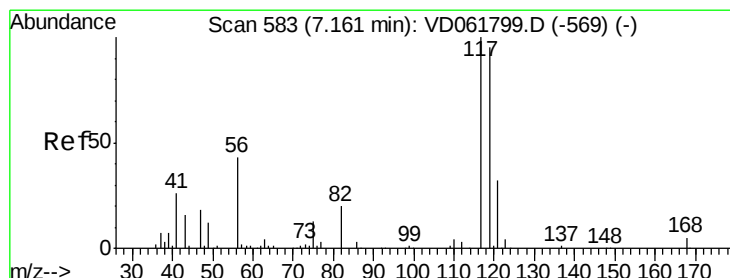
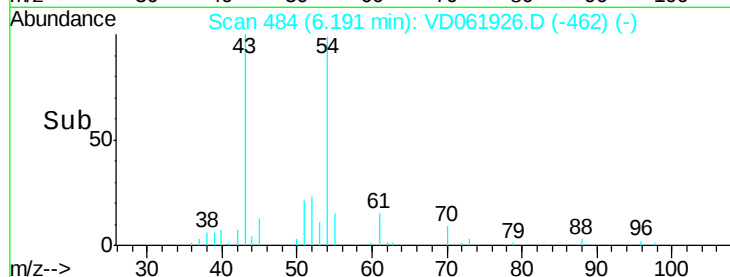
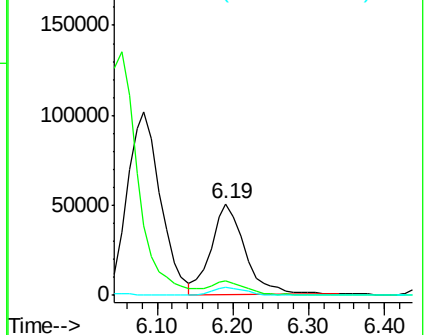
70 9.0 7.8 11.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 50.432 ug/l

RT: 7.13 min Scan# 579

Delta R.T. 0.02 min

Lab File: VD061926.D

Acq: 20 Apr 2019 1:06

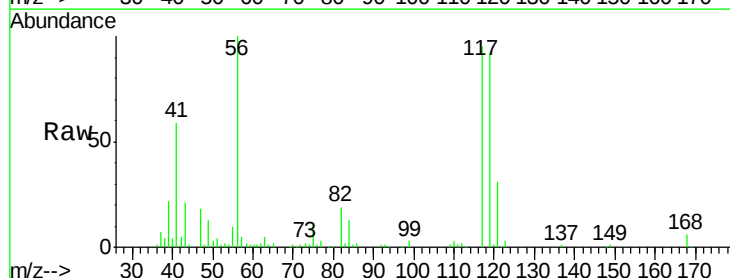
Tgt Ion: 117 Resp: 454793

Ion Ratio Lower Upper

117 100

119 96.6 75.8 113.8

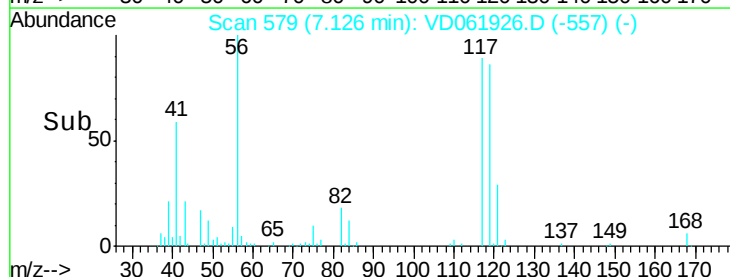
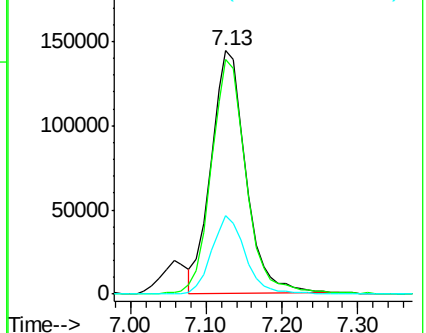
121 32.3 25.9 38.9

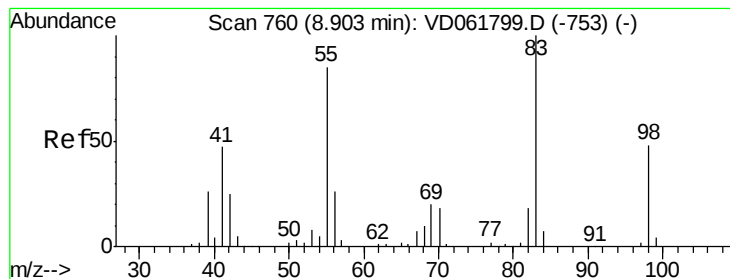


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 48.322 ug/l

RT: 8.88 min Scan# 757

Delta R.T. 0.02 min

Lab File: VD061926.D

Acq: 20 Apr 2019 1:06

Instrument :

MSVOA_D

ClientSampleId :

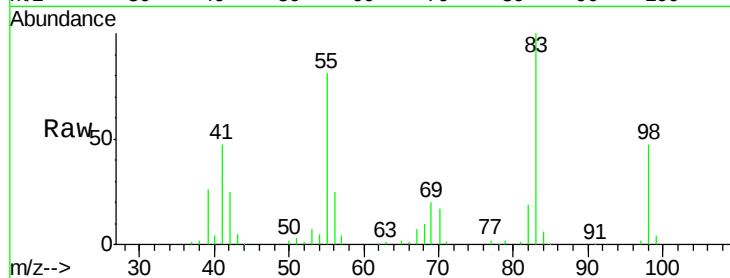
Tot Ion: 83 Resp: 358361

Ion Ratio Lower Upper

83 100

55 81.0 68.2 102.4

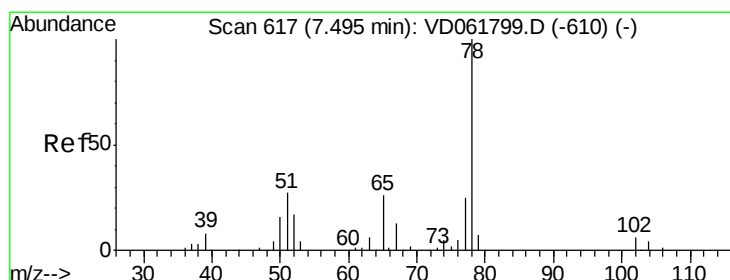
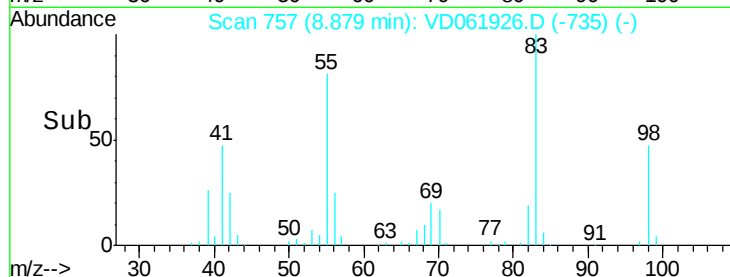
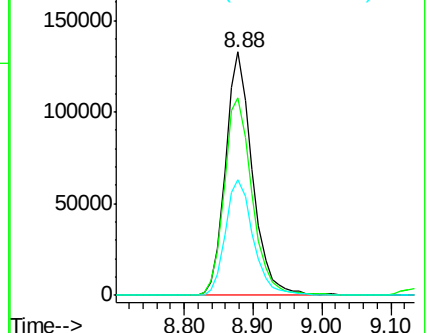
98 47.5 38.2 57.4



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 50.929 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.02 min

Lab File: VD061926.D

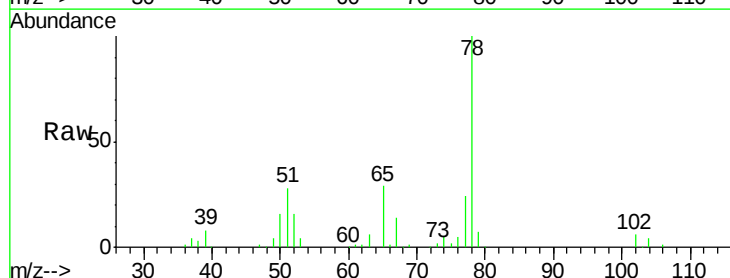
Acq: 20 Apr 2019 1:06

Tgt Ion: 78 Resp: 873212

Ion Ratio Lower Upper

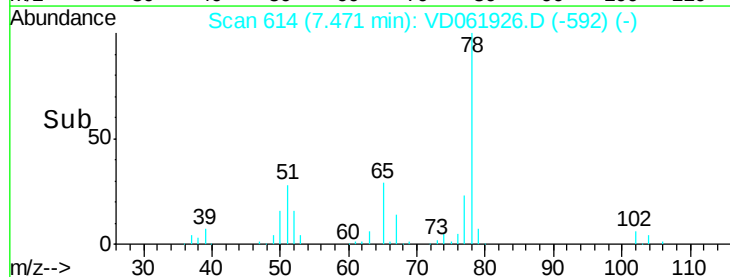
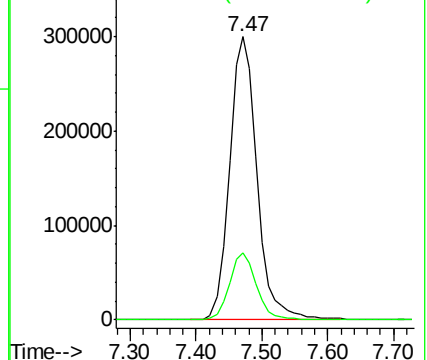
78 100

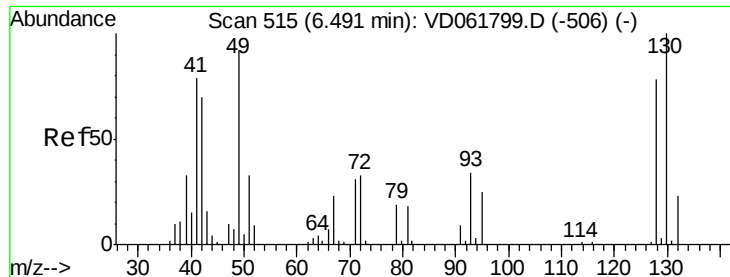
77 23.7 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 53.718 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD061926.D

Acq: 20 Apr 2019 1:06

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 41 Resp: 194070

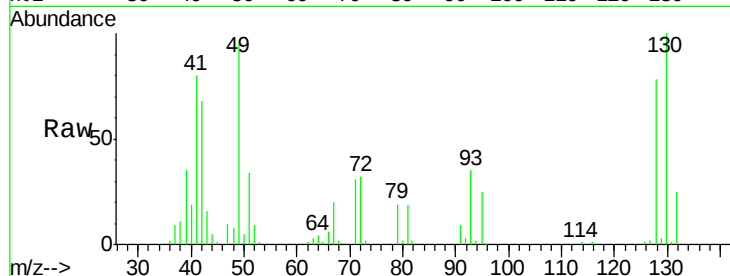
Ion Ratio Lower Upper

41 100

39 43.9 34.1 51.1

67 25.3 23.8 35.6

52 11.3 8.8 13.2

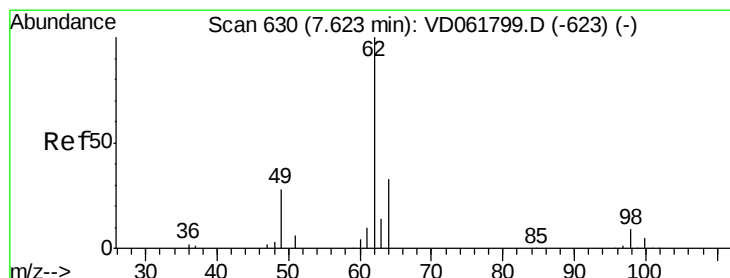
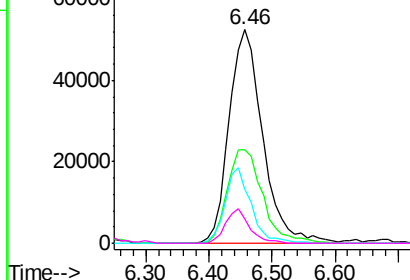
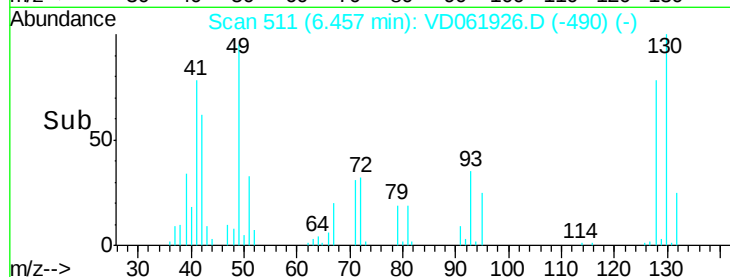


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 50.456 ug/l

RT: 7.59 min Scan# 626

Delta R.T. 0.02 min

Lab File: VD061926.D

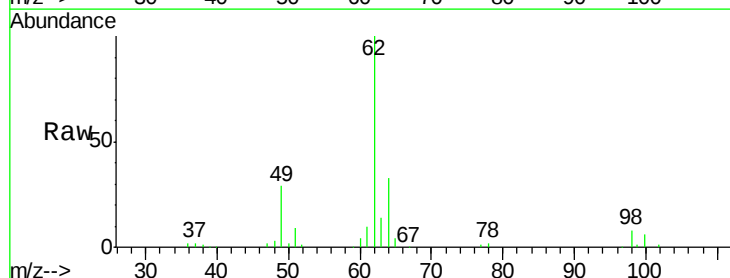
Acq: 20 Apr 2019 1:06

Tgt Ion: 62 Resp: 301289

Ion Ratio Lower Upper

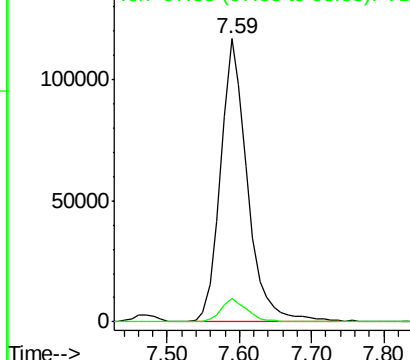
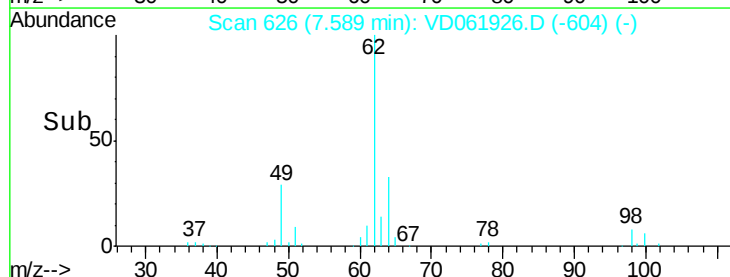
62 100

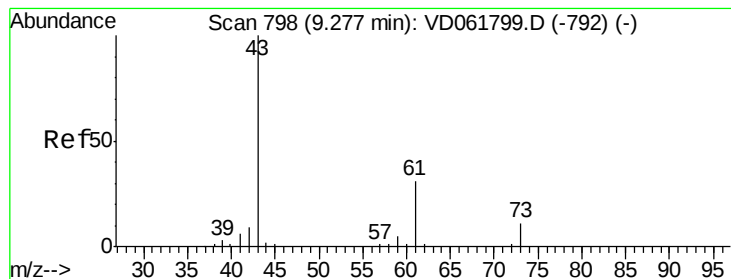
98 8.2 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



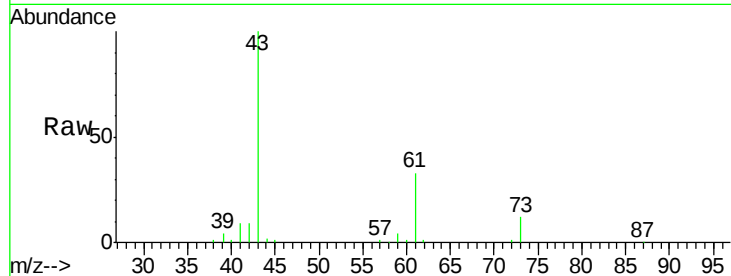


#43

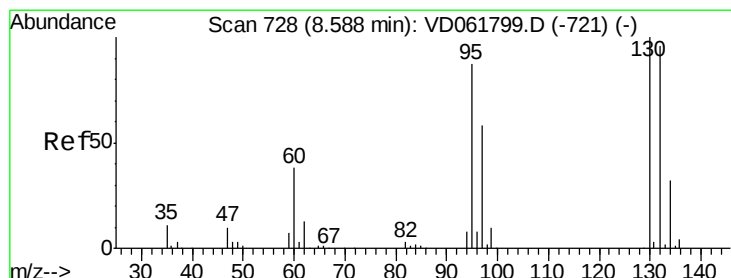
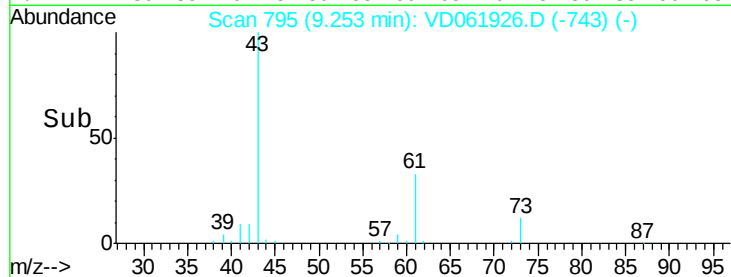
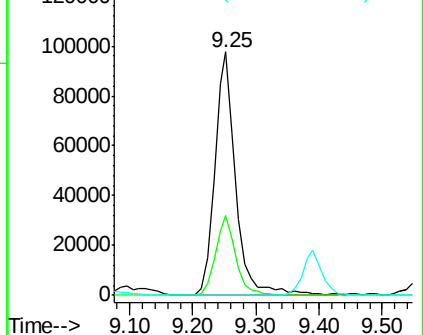
Isopropyl Acetate
 Concen: 52.834 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.02 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 1:06

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 227254
 Ion Ratio Lower Upper
 43 100
 61 32.7 25.1 37.7
 87 0.4 0.0 0.0#



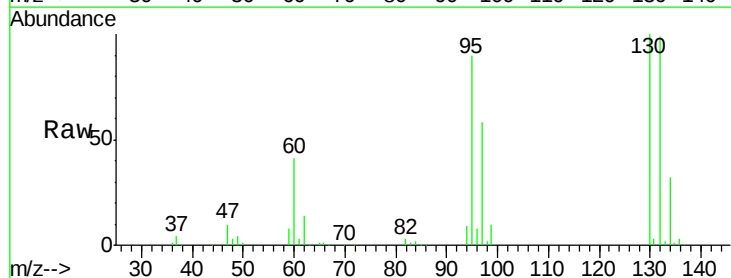
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



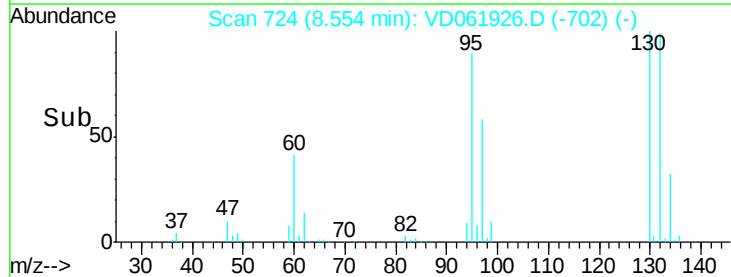
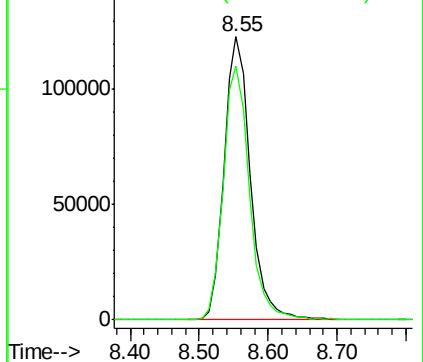
#44

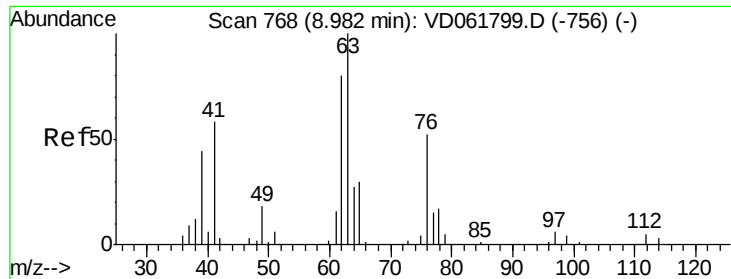
Trichloroethene
 Concen: 49.136 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.02 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 1:06

Tgt Ion: 130 Resp: 324318
 Ion Ratio Lower Upper
 130 100
 95 89.8 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: 50.082 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD061926.D

Acq: 20 Apr 2019 1:06

Instrument :

MSVOA_D

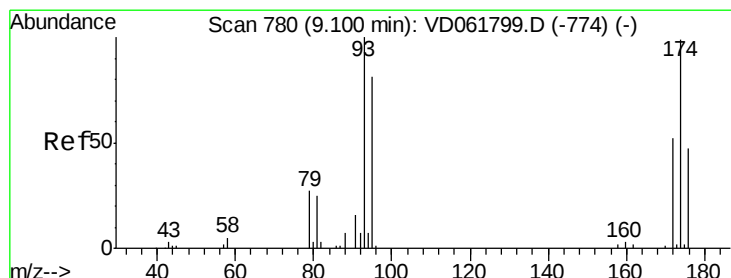
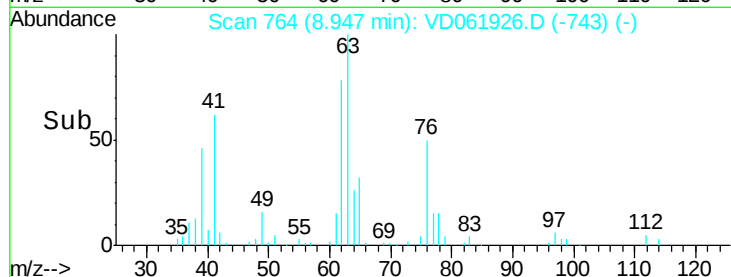
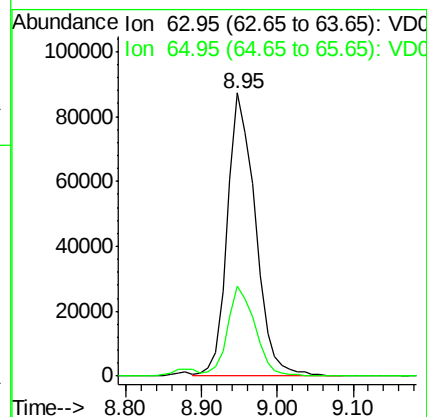
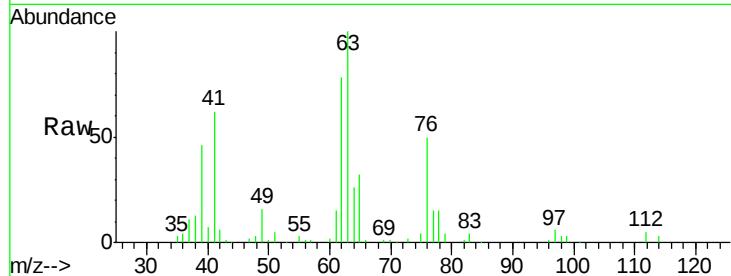
ClientSampleId :

Tot Ion: 63 Resp: 223667

Ion Ratio Lower Upper

63 100

65 31.8 23.8 35.6



#46

Dibromomethane

Concen: 52.463 ug/l

RT: 9.08 min Scan# 777

Delta R.T. 0.02 min

Lab File: VD061926.D

Acq: 20 Apr 2019 1:06

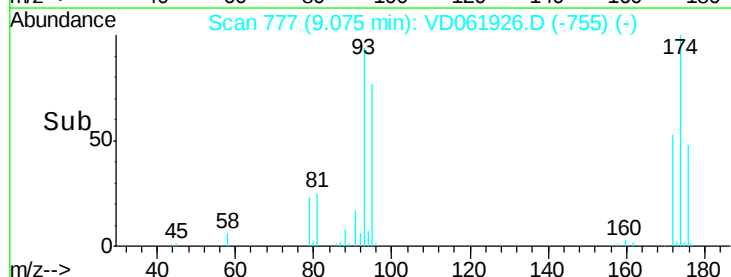
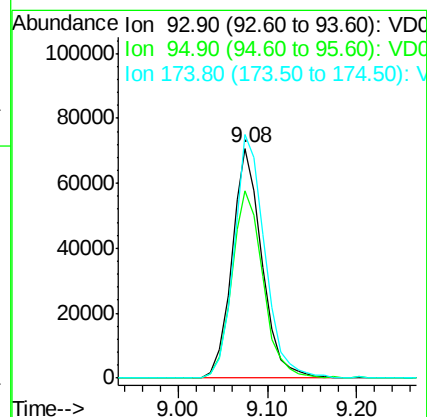
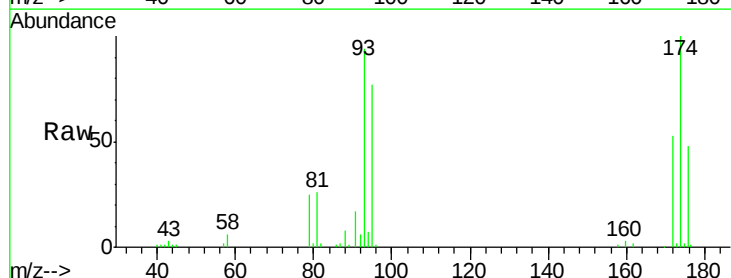
Tgt Ion: 93 Resp: 166948

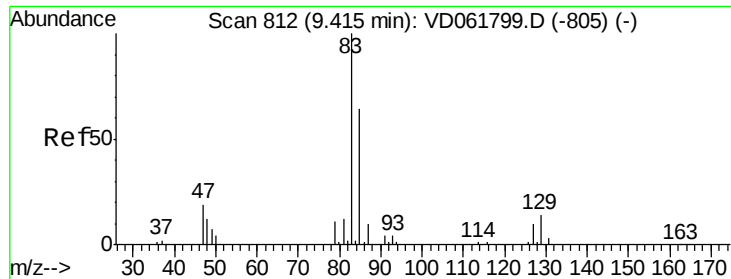
Ion Ratio Lower Upper

93 100

95 81.7 64.8 97.2

174 106.0 79.3 118.9





#47

Bromodichloromethane

Concen: 52.425 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.02 min

Lab File: VD061926.D

Acq: 20 Apr 2019 1:06

Instrument :

MSVOA_D

ClientSampleId :

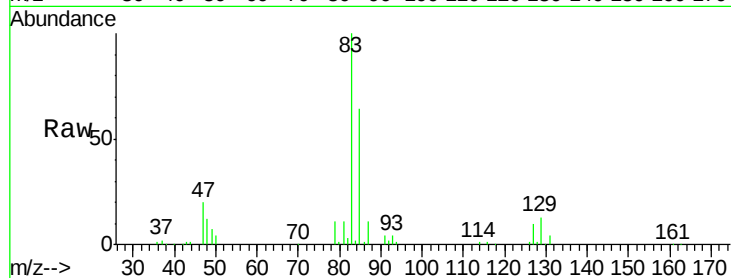
Tot Ion: 83 Resp: 384870

Ion Ratio Lower Upper

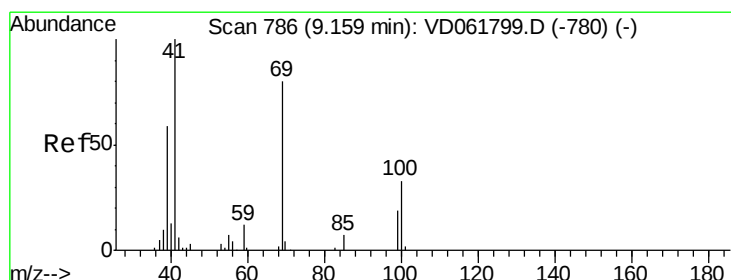
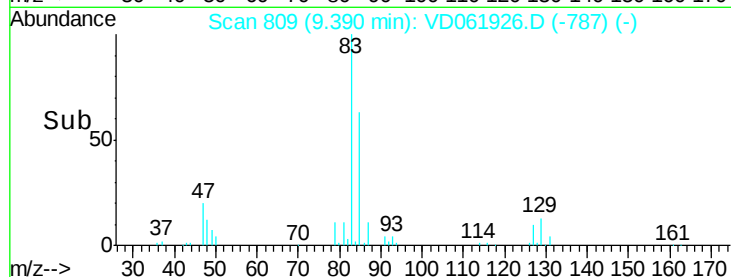
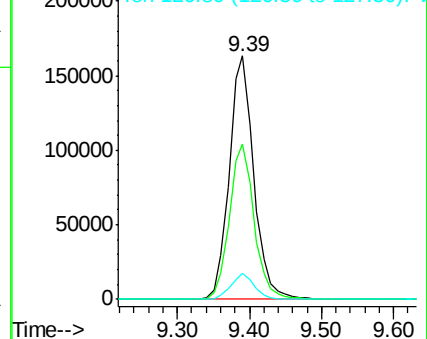
83 100

85 63.6 50.9 76.3

127 10.4 8.1 12.1



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



#48

Methyl methacrylate

Concen: 51.269 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.01 min

Lab File: VD061926.D

Acq: 20 Apr 2019 1:06

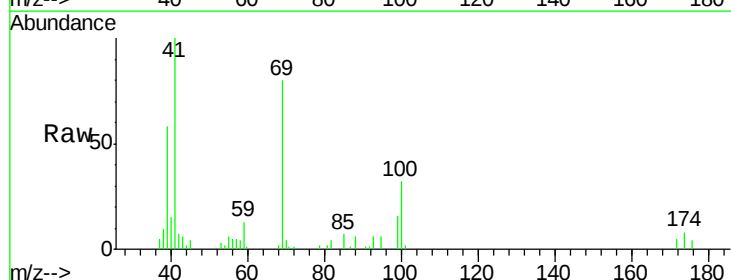
Tgt Ion: 41 Resp: 129628

Ion Ratio Lower Upper

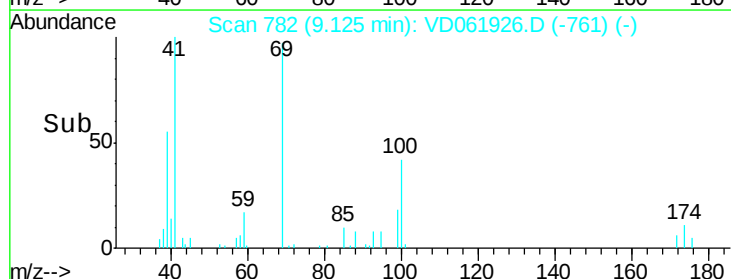
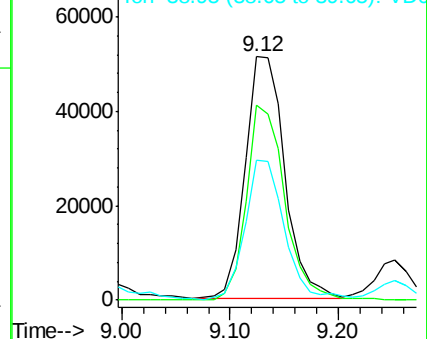
41 100

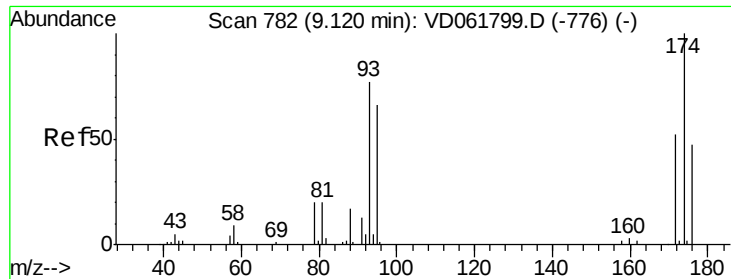
69 80.3 64.2 96.2

39 57.7 46.8 70.2



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





#49

1,4-Dioxane

Concen: 1104.525 ug/l

RT: 9.10 min Scan# 779

Delta R.T. 0.02 min

Lab File: VD061926.D

Acq: 20 Apr 2019 1:06

Instrument :

MSVOA_D

ClientSampleId :

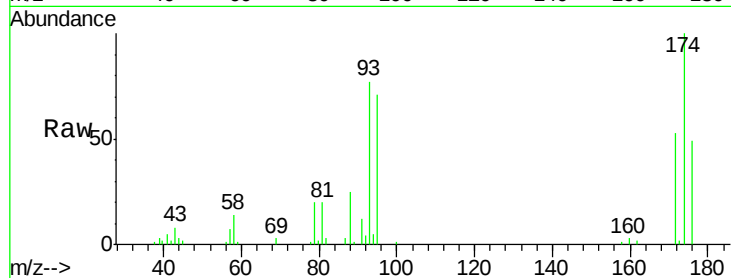
Tot Ion: 88 Resp: 30524

Ion Ratio Lower Upper

88 100

43 32.8 23.4 35.0

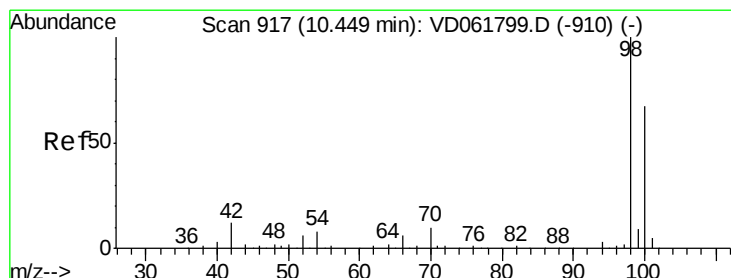
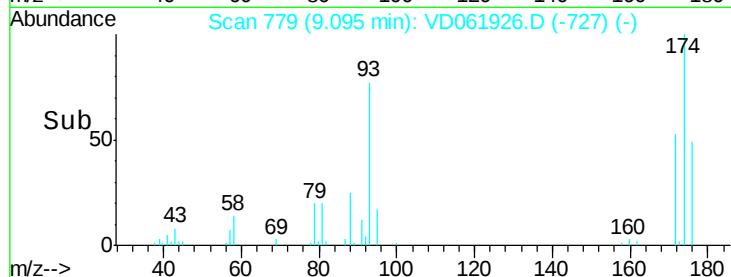
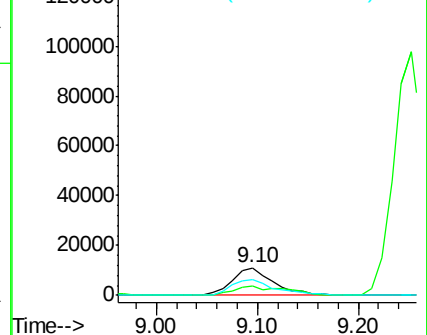
58 55.6 44.0 66.0



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 1104.525 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD061926.D

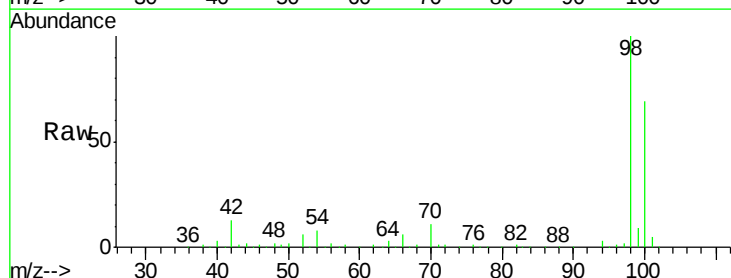
Acq: 20 Apr 2019 1:06

Tgt Ion: 98 Resp: 842282

Ion Ratio Lower Upper

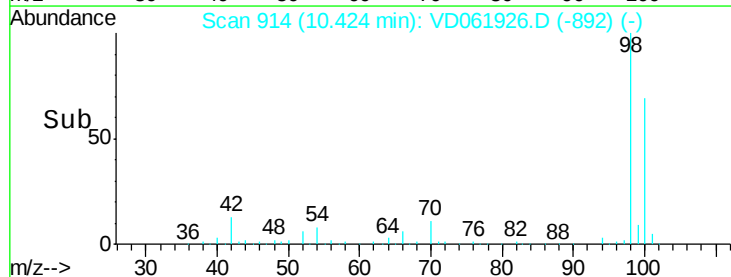
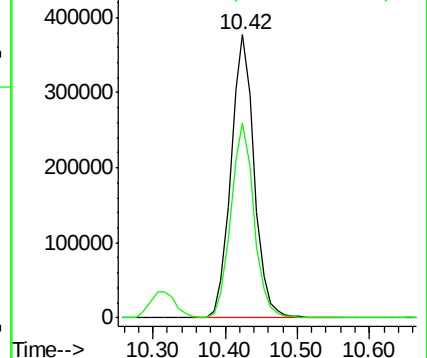
98 100

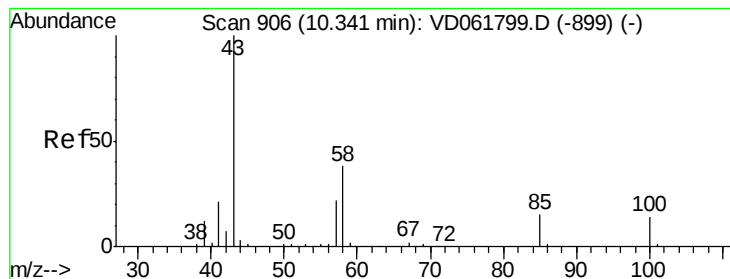
100 68.9 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 263.876 ug/l

RT: 10.31 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD061926.D

Acq: 20 Apr 2019 1:06

Instrument :

MSVOA_D

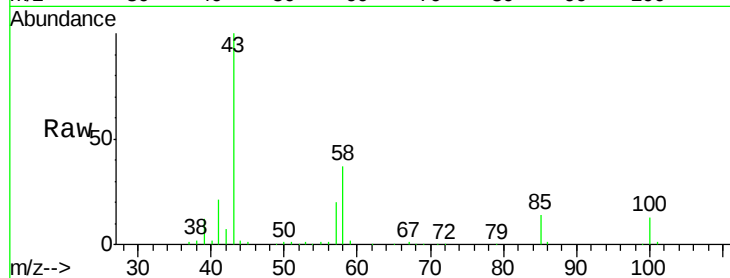
ClientSampleId :

Tot Ion: 43 Resp: 694104

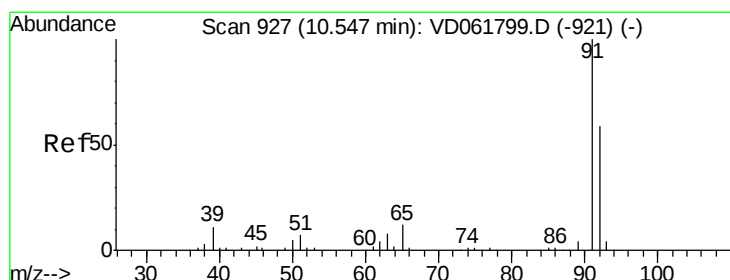
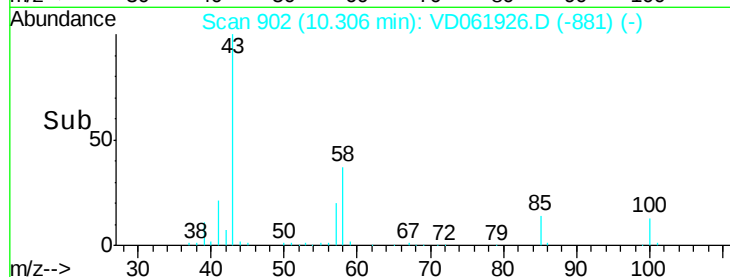
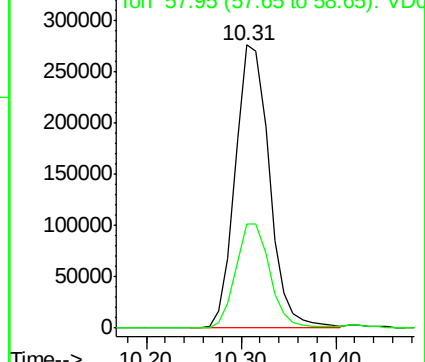
Ion Ratio Lower Upper

43 100

58 36.8 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC



#52

Toluene

Concen: 43.932 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.02 min

Lab File: VD061926.D

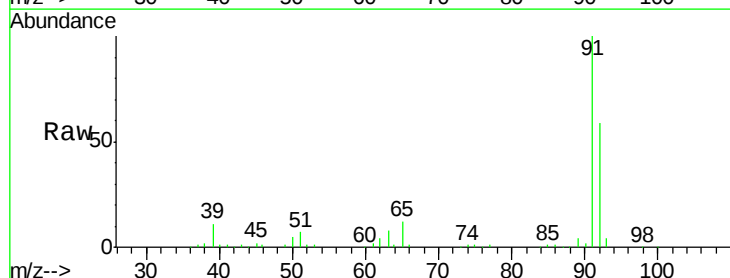
Acq: 20 Apr 2019 1:06

Tgt Ion: 92 Resp: 482699

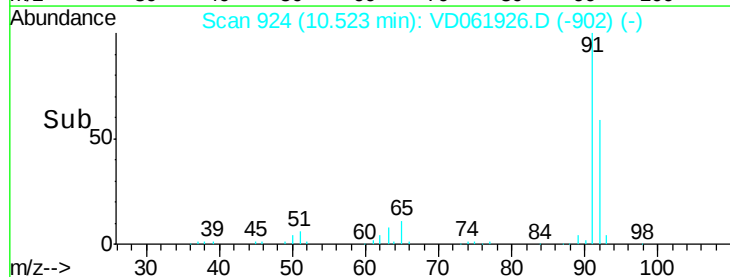
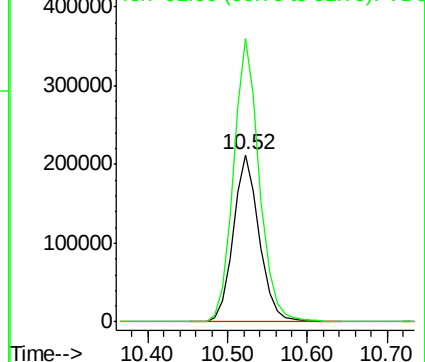
Ion Ratio Lower Upper

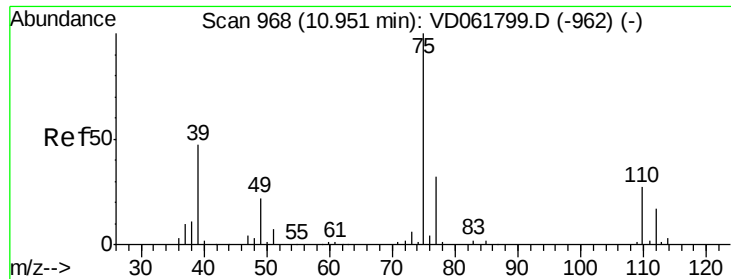
92 100

91 169.2 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

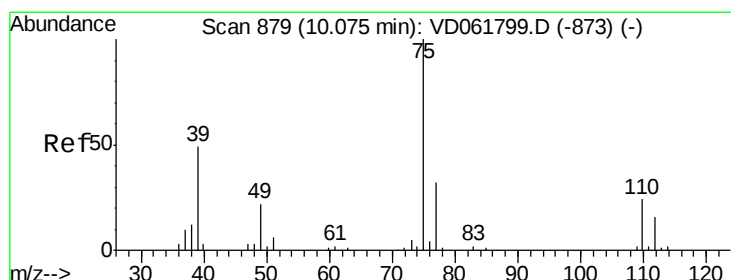
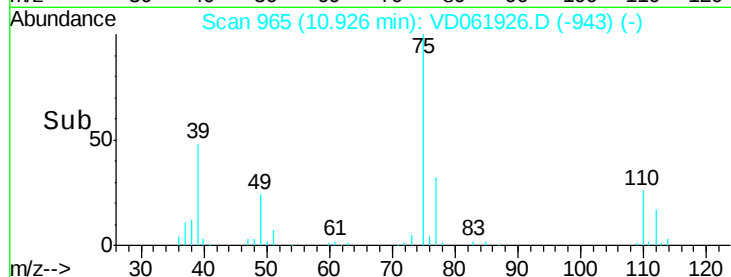
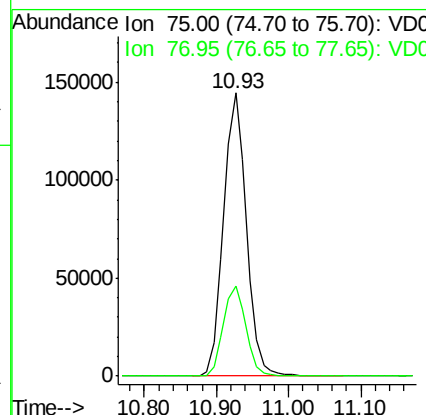
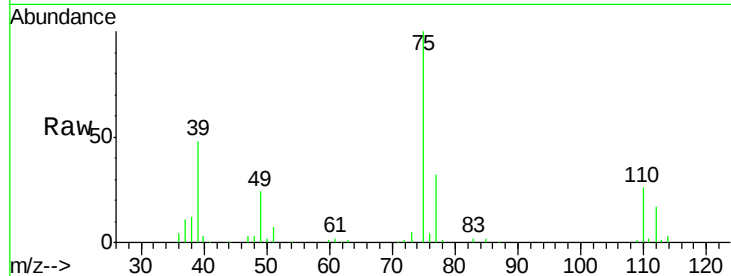




#53
 t-1,3-Dichloropropene
 Concen: 47.570 ug/l
 RT: 10.93 min Scan# 965
 Delta R.T. 0.02 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 1:06

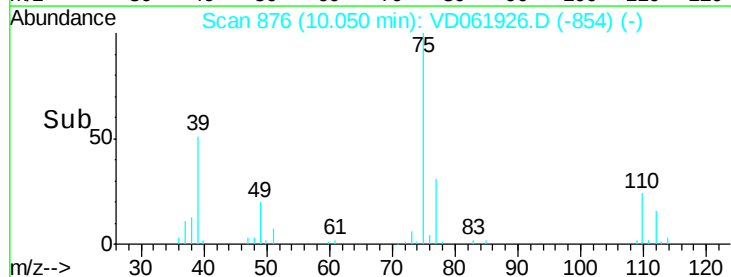
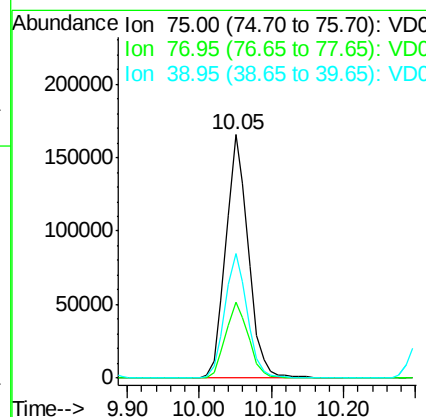
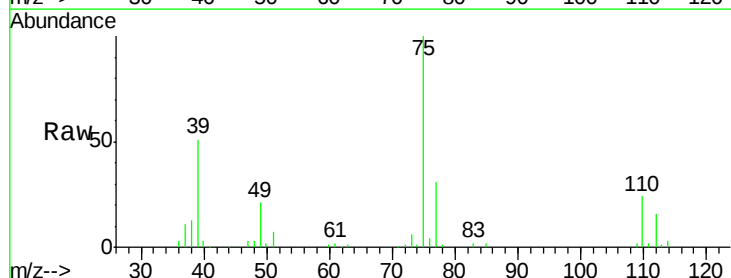
Instrument :
 MSVOA_D
 ClientSampleId :

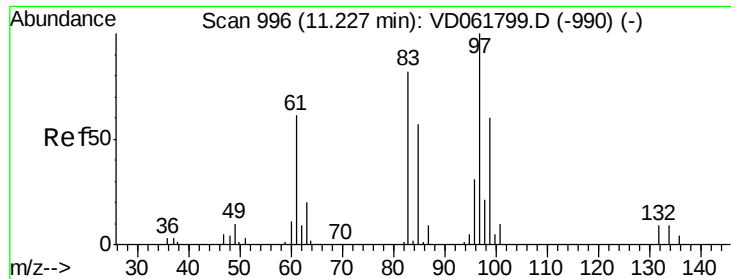
Tot Ion: 75 Resp: 314679
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 46.156 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.02 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 1:06

Tgt Ion: 75 Resp: 358401
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.5 38.3
 39 51.3 39.4 59.2





#55

1,1,2-Trichloroethane

Concen: 53.342 ug/l

RT: 11.20 min Scan# 993

Delta R.T. 0.02 min

Lab File: VD061926.D

Acq: 20 Apr 2019 1:06

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 197489

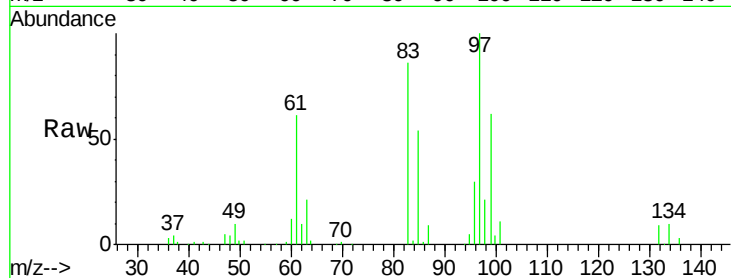
Ion Ratio Lower Upper

97 100

83 86.0 65.7 98.5

85 53.6 45.6 68.4

99 62.3 48.4 72.6

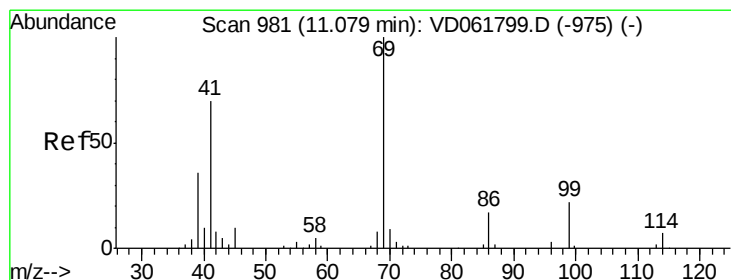
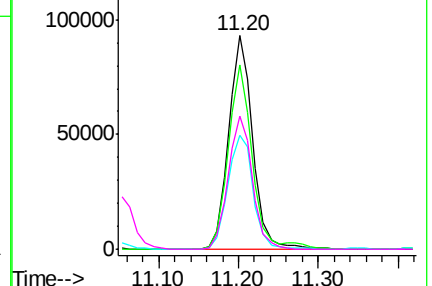
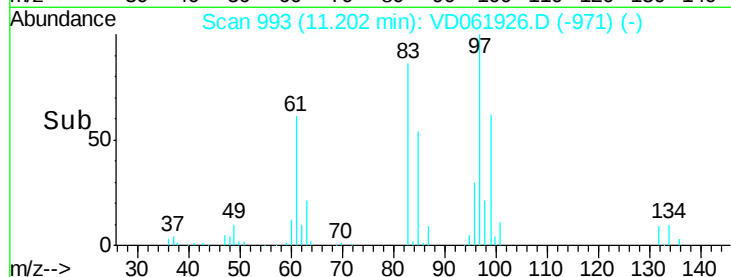


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 50.095 ug/l

RT: 11.05 min Scan# 978

Delta R.T. 0.02 min

Lab File: VD061926.D

Acq: 20 Apr 2019 1:06

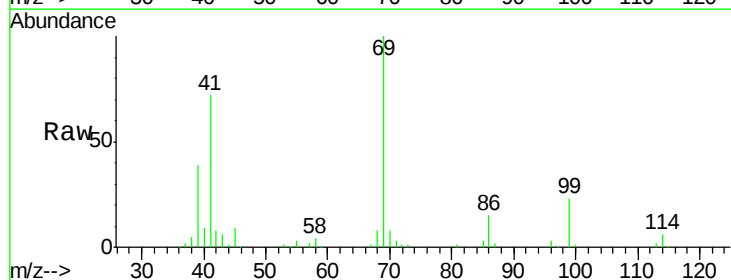
Tgt Ion: 69 Resp: 203560

Ion Ratio Lower Upper

69 100

41 71.6 56.3 84.5

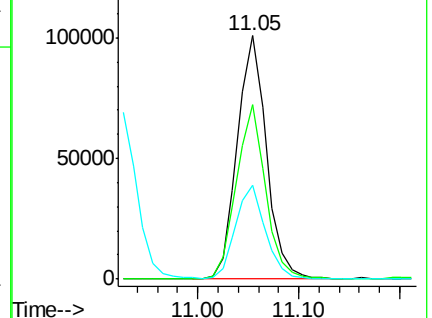
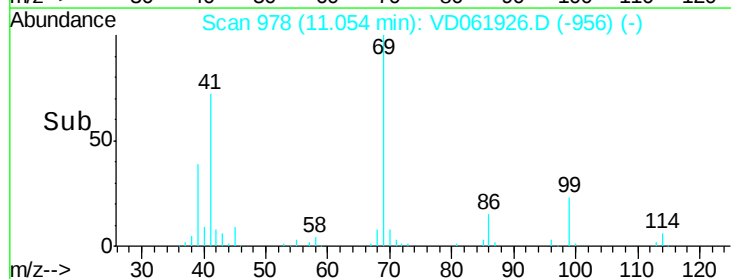
39 38.6 29.4 44.2

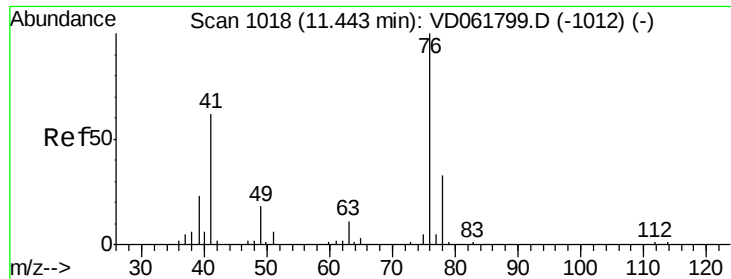


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

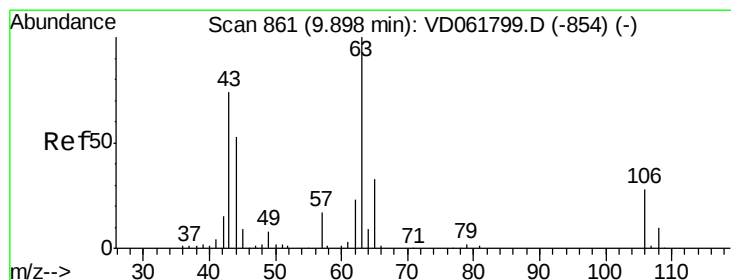
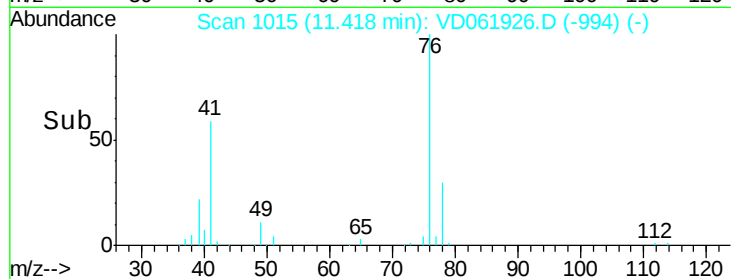
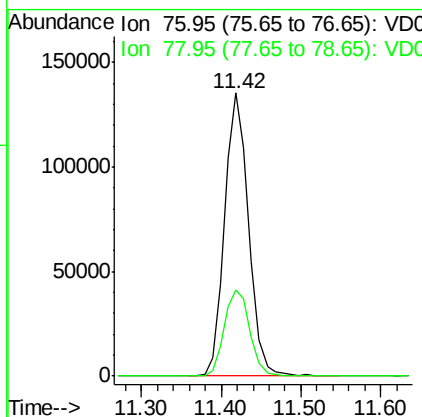
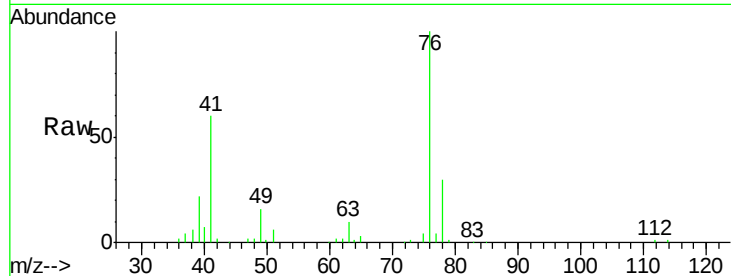




#57
 1,3-Dichloropropane
 Concen: 51.385 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. 0.01 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 1:06

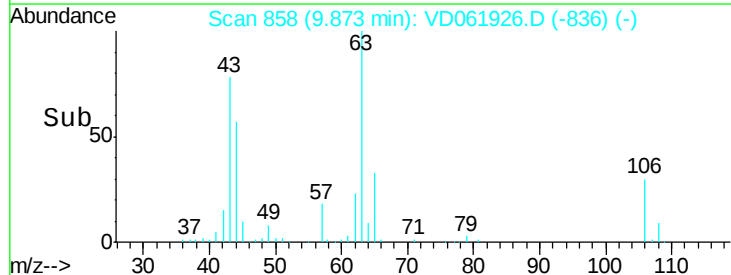
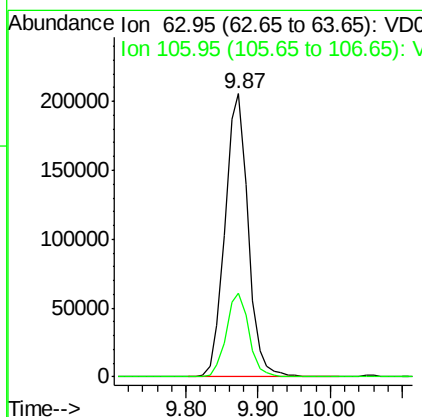
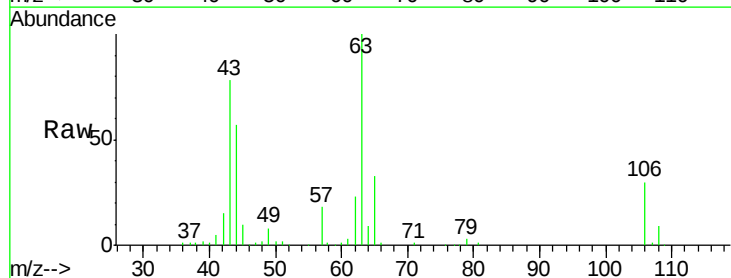
Instrument :
 MSVOA_D
 ClientSampled :

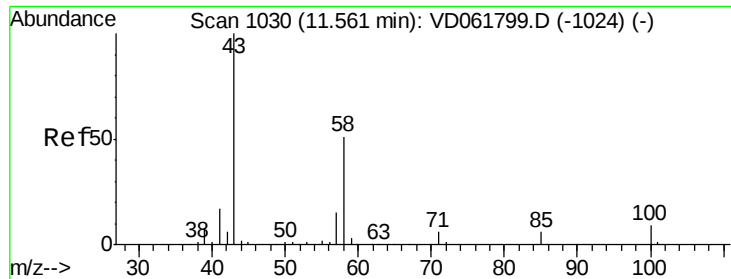
Tot Ion: 76 Resp: 286013
 Ion Ratio Lower Upper
 76 100
 78 30.5 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 236.566 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.02 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 1:06

Tgt Ion: 63 Resp: 457225
 Ion Ratio Lower Upper
 63 100
 106 29.8 22.6 34.0

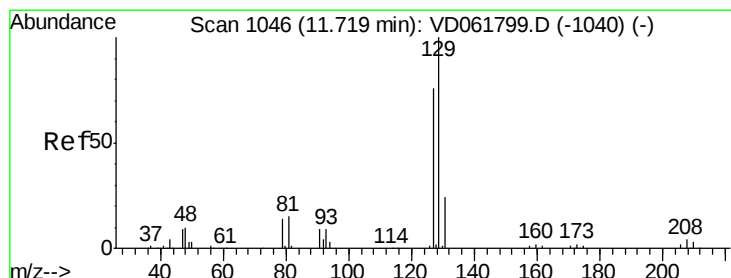
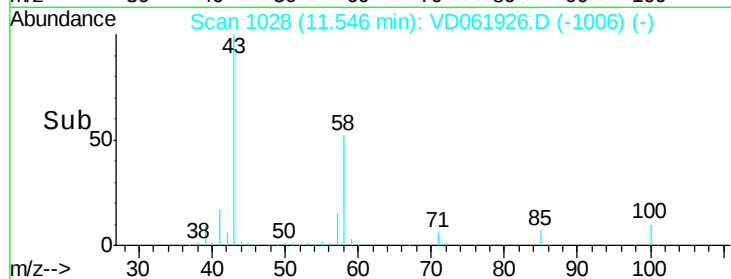
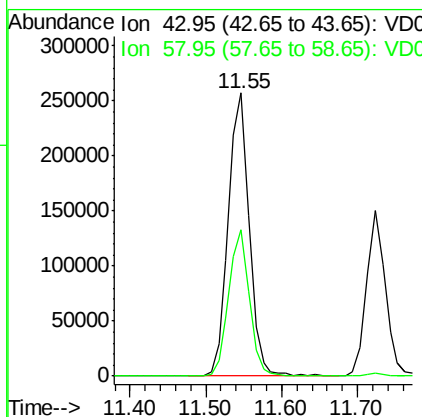
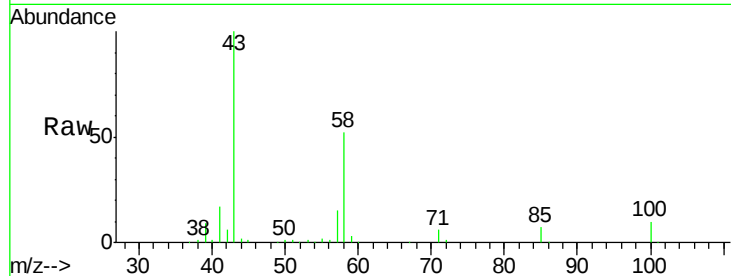




#59
2-Hexanone
Concen: 251.627 ug/l
RT: 11.55 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VD061926.D
Acq: 20 Apr 2019 1:06

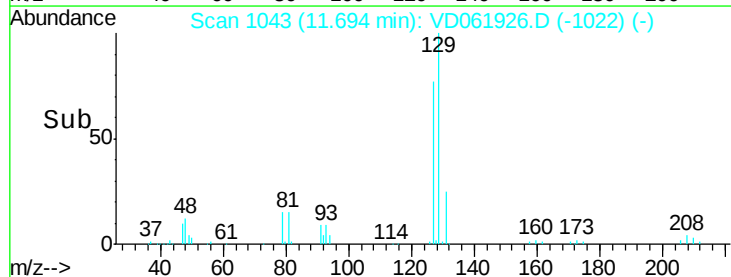
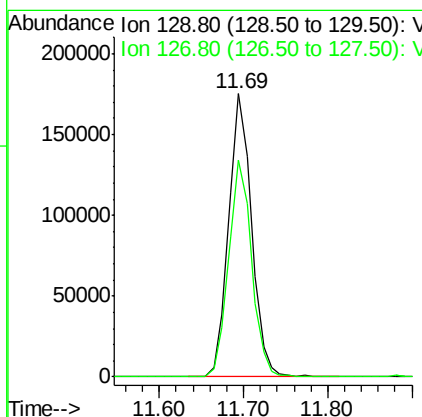
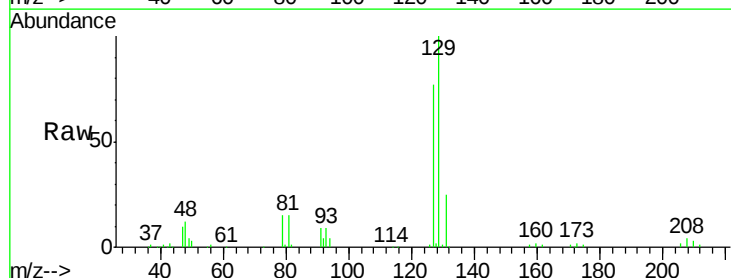
Instrument :
MSVOA_D
ClientSampleId :

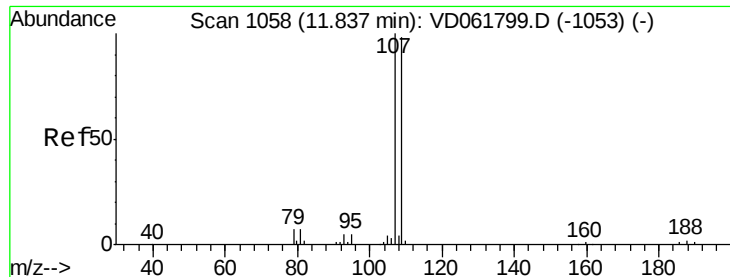
Tot Ion: 43 Resp: 491596
Ion Ratio Lower Upper
43 100
58 51.6 25.4 76.4



#60
Dibromochloromethane
Concen: 54.789 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD061926.D
Acq: 20 Apr 2019 1:06

Tgt Ion: 129 Resp: 331909
Ion Ratio Lower Upper
129 100
127 76.5 38.0 113.9

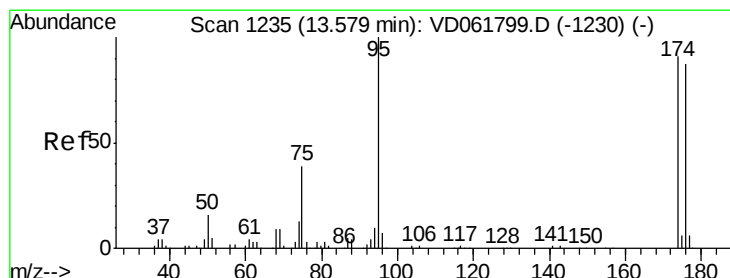
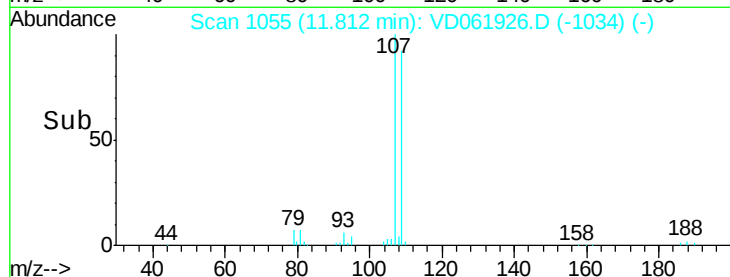
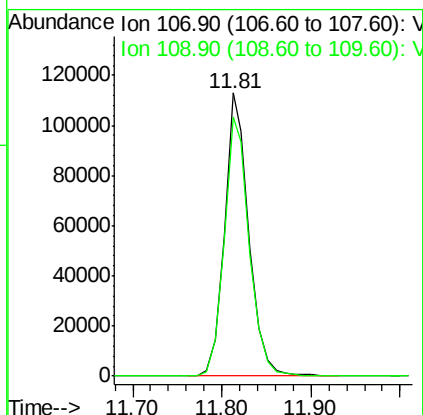
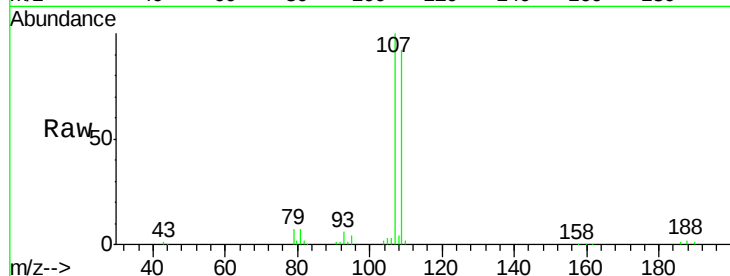




#61
 1,2-Dibromoethane
 Concen: 47.432 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 1:06

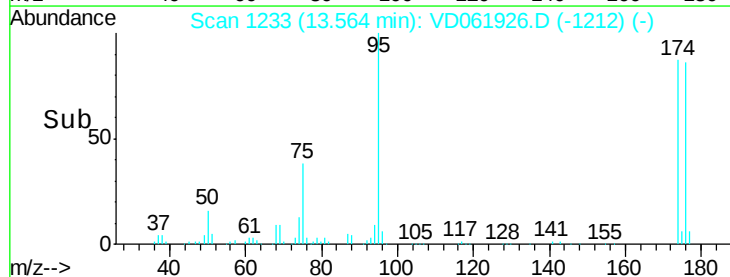
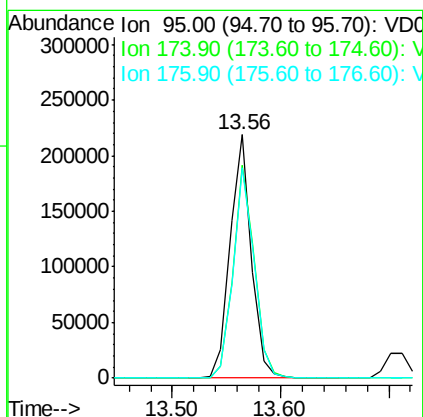
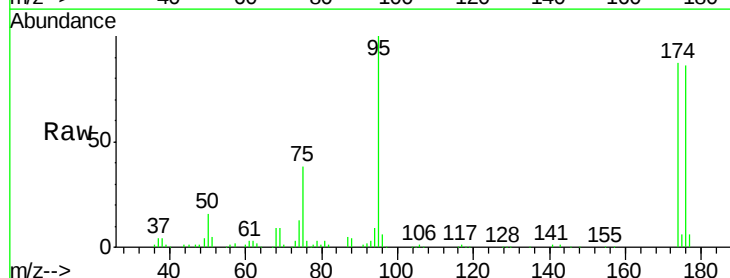
Instrument :
 MSVOA_D
 ClientSampleId :

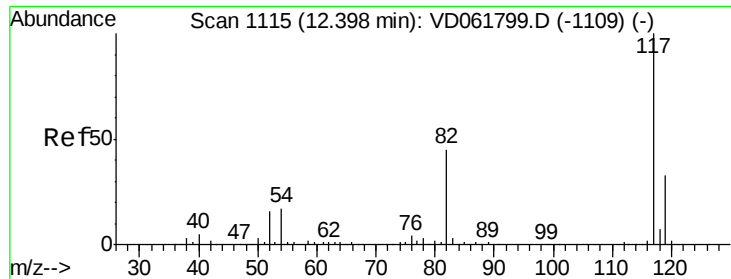
Tot Ion:107 Resp: 215932
 Ion Ratio Lower Upper
 107 100
 109 91.7 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 47.432 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 1:06

Tgt Ion: 95 Resp: 298074
 Ion Ratio Lower Upper
 95 100
 174 87.2 0.0 181.8
 176 86.2 0.0 174.4

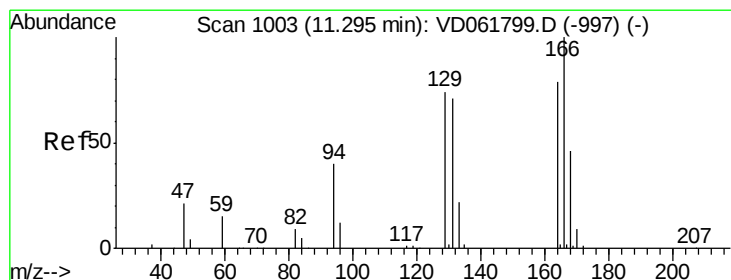
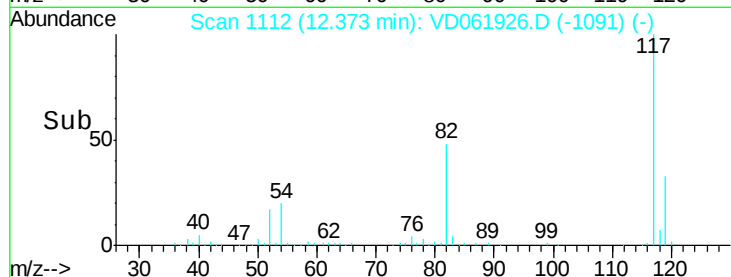
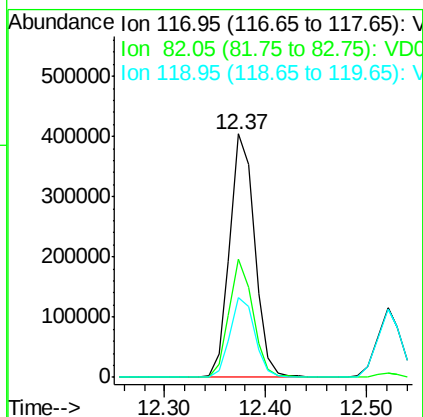
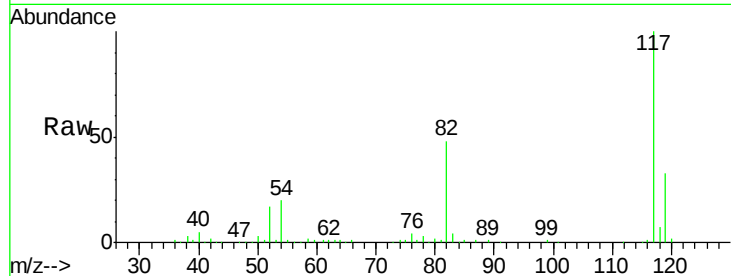




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061926.D
Acq: 20 Apr 2019 1:06

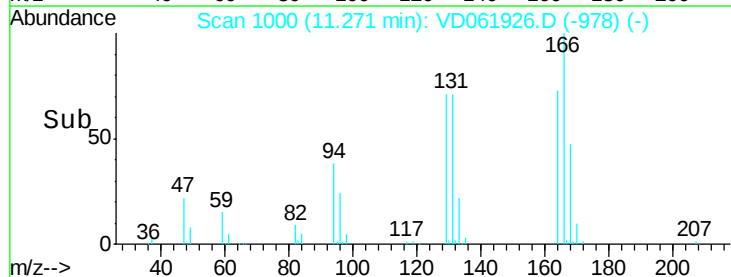
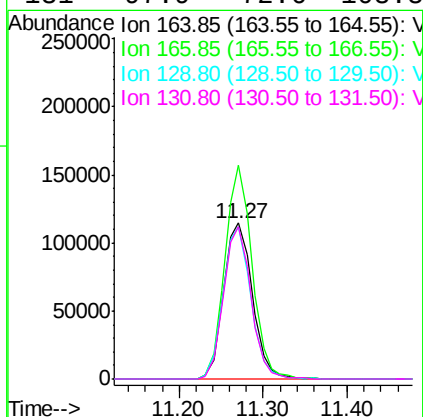
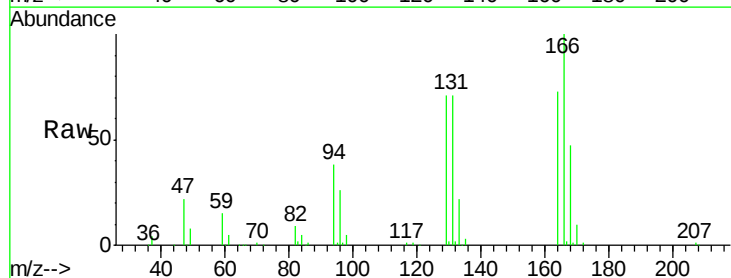
Instrument :
MSVOA_D
ClientSampleId :

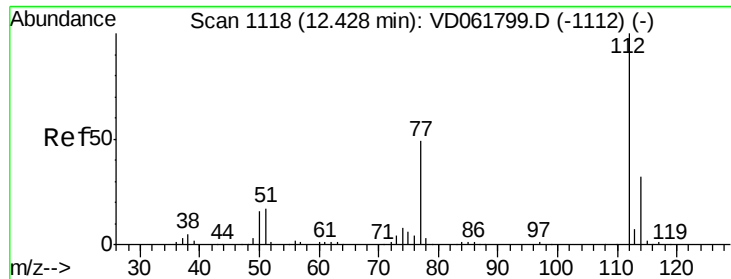
Tot Ion:117 Resp: 697267
Ion Ratio Lower Upper
117 100
82 48.4 36.2 54.2
119 32.9 26.2 39.4



#64
Tetrachloroethene
Concen: 52.056 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.02 min
Lab File: VD061926.D
Acq: 20 Apr 2019 1:06

Tgt Ion:164 Resp: 272212
Ion Ratio Lower Upper
164 100
166 137.1 101.5 152.3
129 97.6 74.6 112.0
131 97.9 72.6 108.8

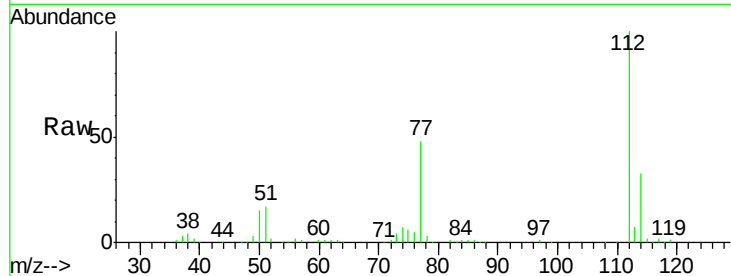




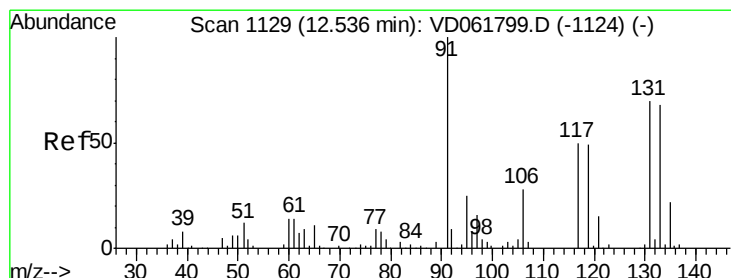
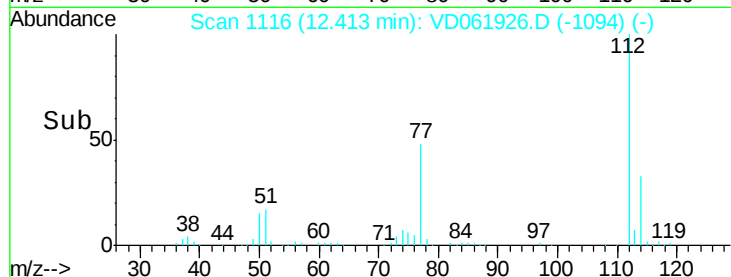
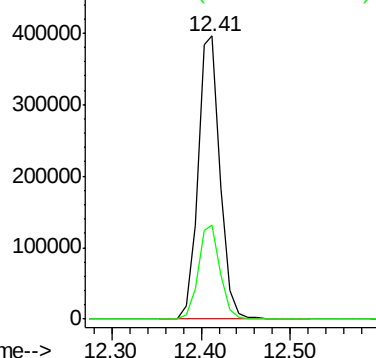
#65
Chlorobenzene
Concen: 53.160 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD061926.D
Acq: 20 Apr 2019 1:06

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:112 Resp: 690305
Ion Ratio Lower Upper
112 100
114 33.1 25.8 38.8

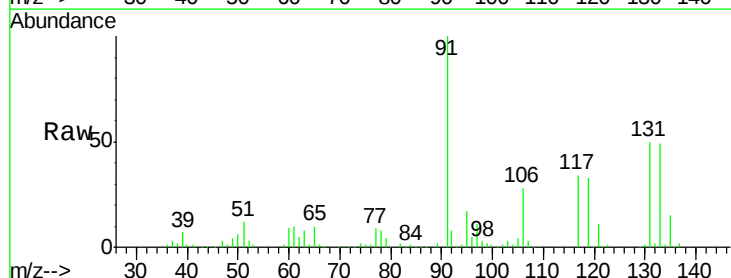


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V

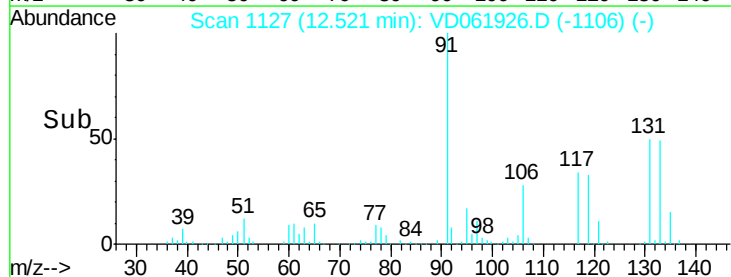
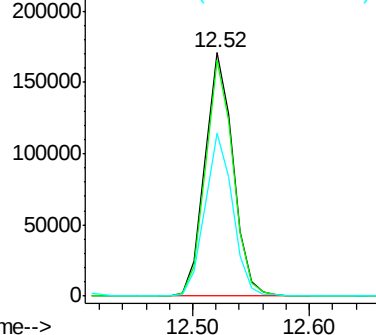


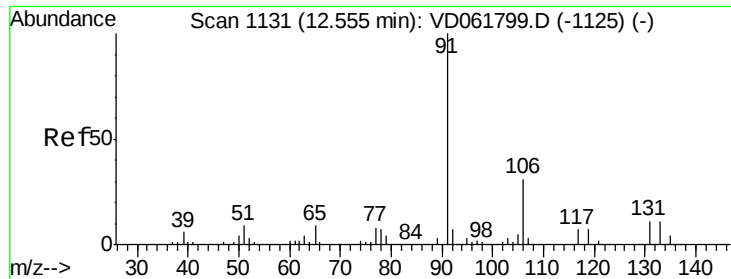
#66
1,1,1,2-Tetrachloroethane
Concen: 52.620 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD061926.D
Acq: 20 Apr 2019 1:06

Tgt Ion:131 Resp: 286346
Ion Ratio Lower Upper
131 100
133 97.0 48.6 145.8
119 66.7 34.7 104.1



Abundance Ion 130.90 (130.60 to 131.60): V
Ion 132.90 (132.60 to 133.60): V
Ion 118.85 (118.55 to 119.55): V

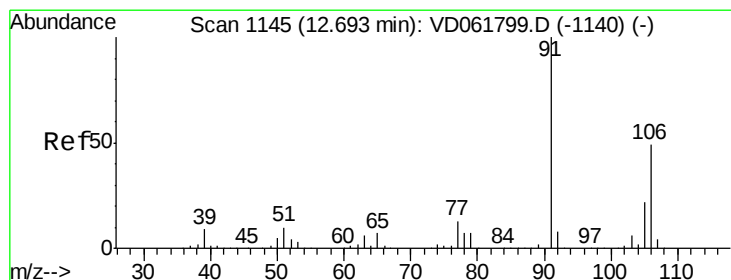
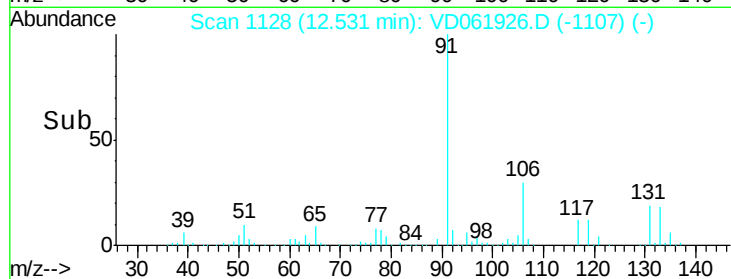
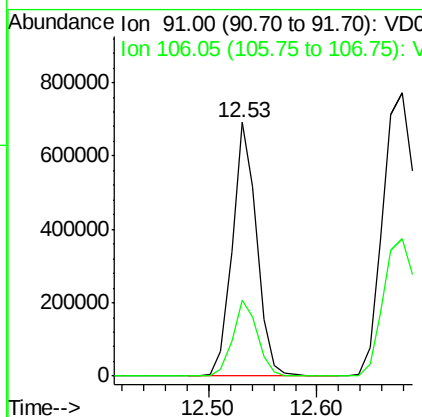
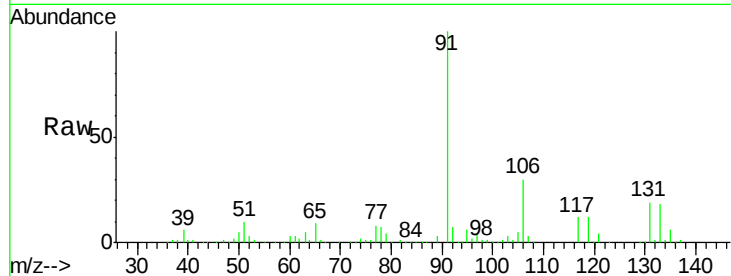




#67
Ethvl Benzene
Concen: 51.695 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061926.D
Acq: 20 Apr 2019 1:06

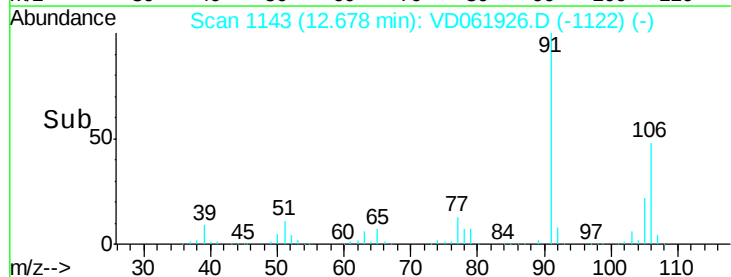
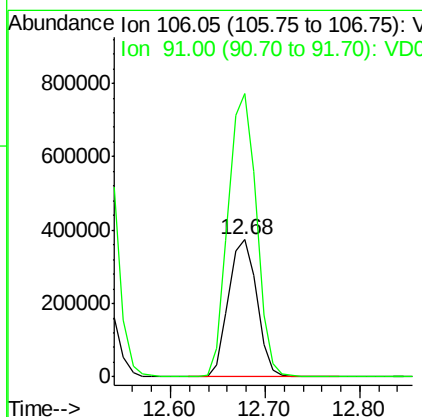
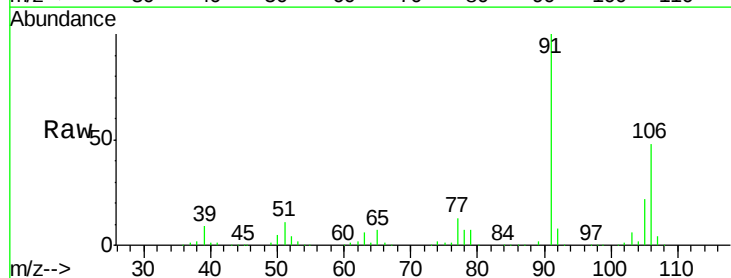
Instrument :
MSVOA_D
ClientSampleId :

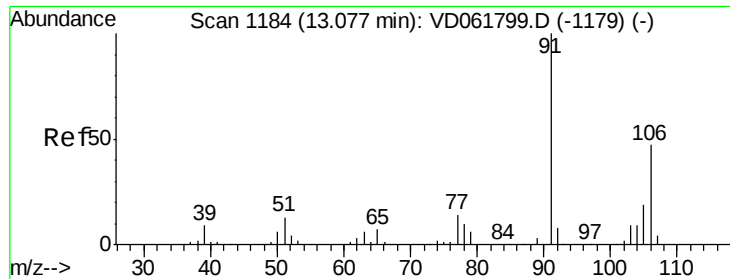
Tot Ion: 91 Resp: 1075028
Ion Ratio Lower Upper
91 100
106 30.2 24.7 37.1



#68
m/p-Xylenes
Concen: 99.780 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD061926.D
Acq: 20 Apr 2019 1:06

Tgt Ion:106 Resp: 779417
Ion Ratio Lower Upper
106 100
91 206.8 164.0 246.0

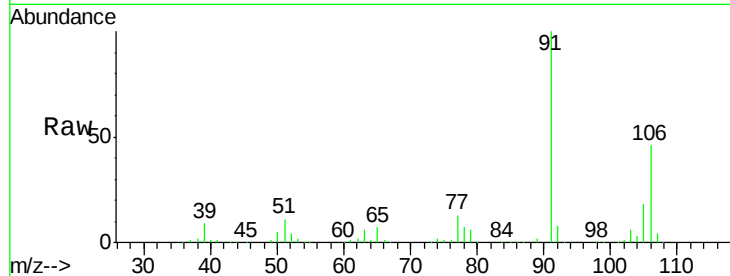




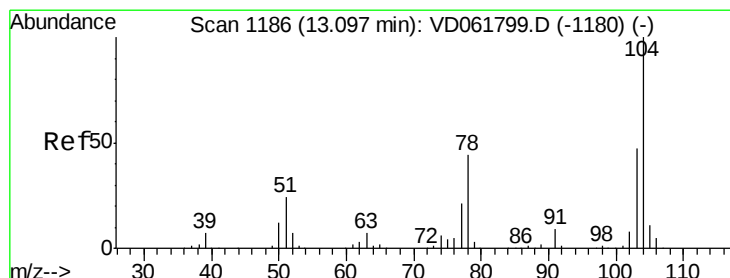
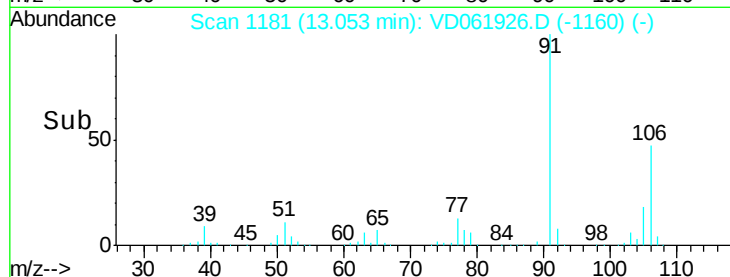
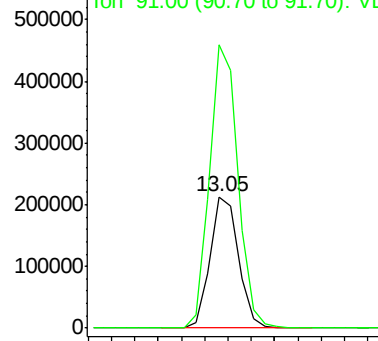
#69
o-Xylene
Concen: 48.924 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD061926.D
Acq: 20 Apr 2019 1:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 359208
Ion Ratio Lower Upper
106 100
91 215.3 106.7 319.9

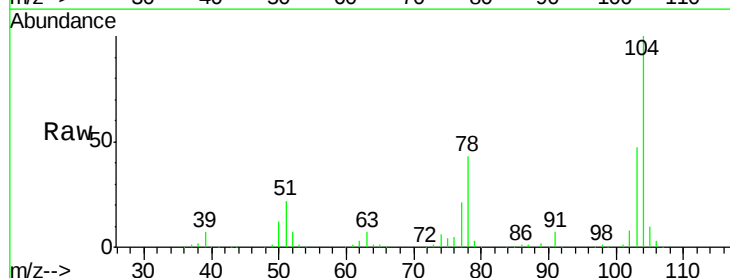


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

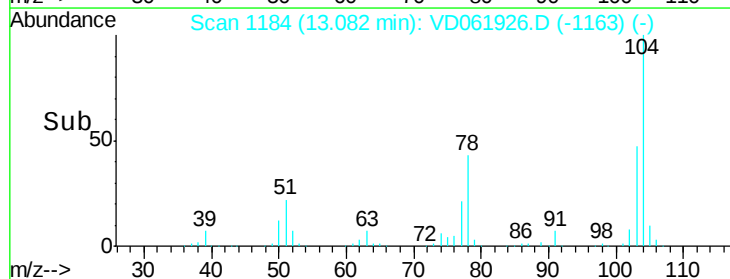
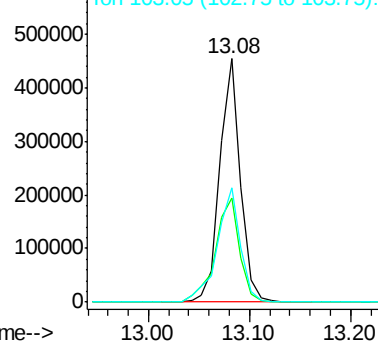


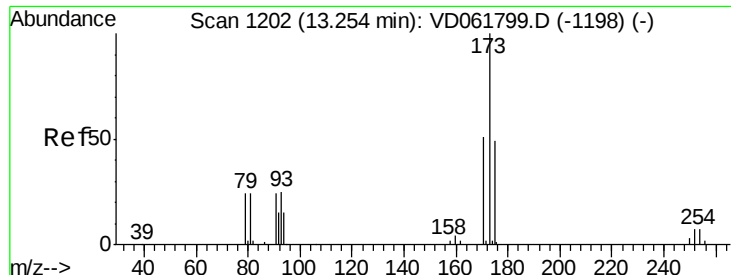
#70
Styrene
Concen: 51.333 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD061926.D
Acq: 20 Apr 2019 1:06

Tgt Ion:104 Resp: 648575
Ion Ratio Lower Upper
104 100
78 42.9 35.4 53.2
103 46.7 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

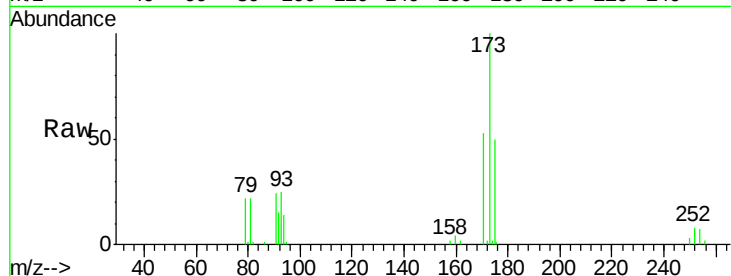




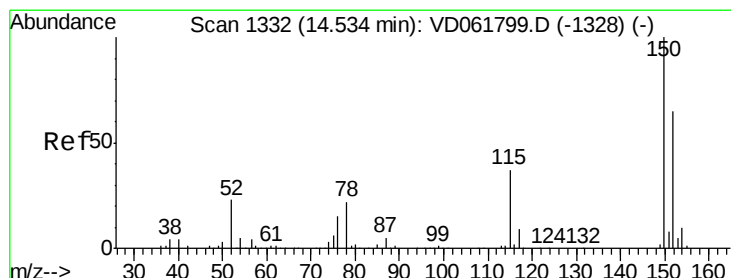
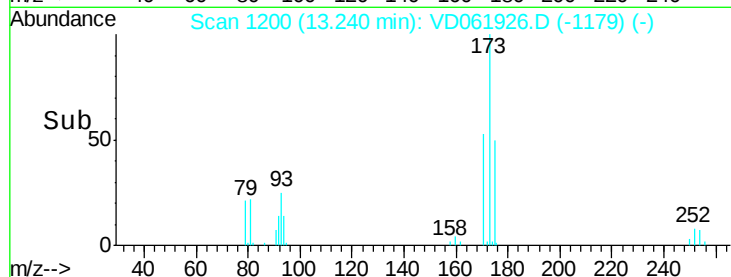
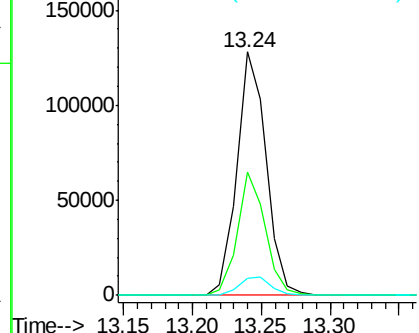
#71
Bromoform
Concen: 58.601 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD061926.D
Acq: 20 Apr 2019 1:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 189289
Ion Ratio Lower Upper
173 100
175 50.5 24.4 73.4
254 6.8 5.4 8.2

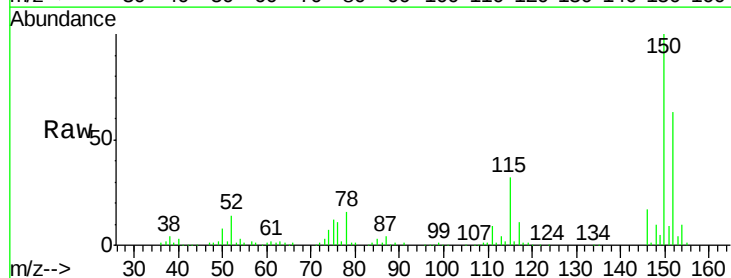


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

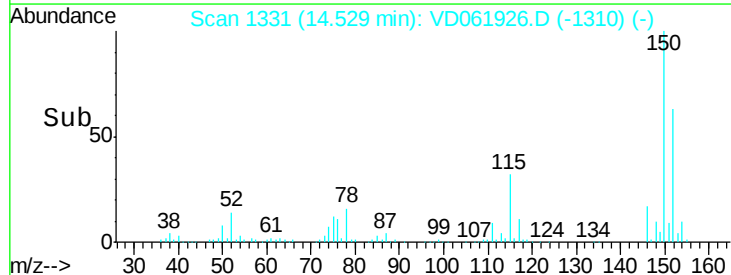
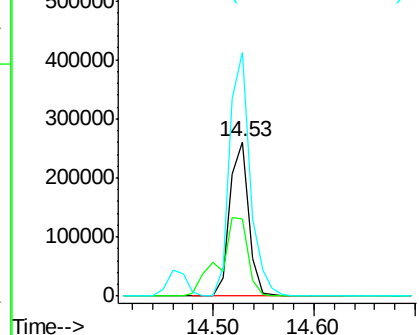


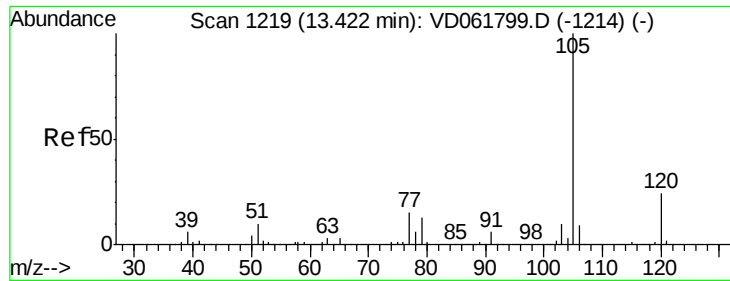
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061926.D
Acq: 20 Apr 2019 1:06

Tgt Ion:152 Resp: 340147
Ion Ratio Lower Upper
152 100
115 50.1 30.9 92.7
150 158.0 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: 51.055 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD061926.D

Acq: 20 Apr 2019 1:06

Instrument :

MSVOA_D

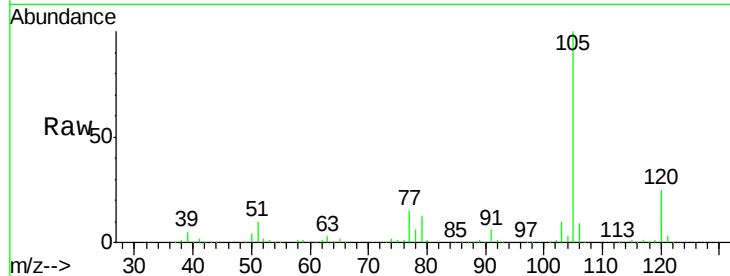
ClientSampleId :

Tot Ion:105 Resp: 1126248

Ion Ratio Lower Upper

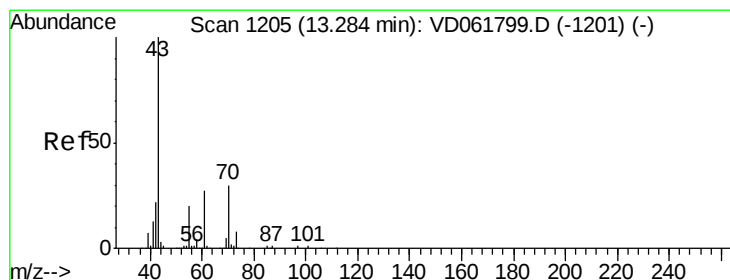
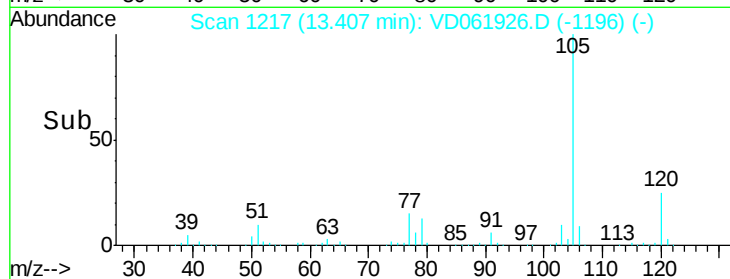
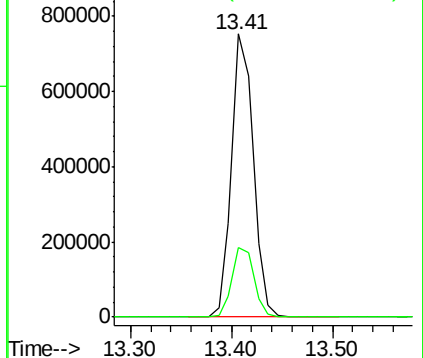
105 100

120 24.7 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: 48.704 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD061926.D

Acq: 20 Apr 2019 1:06

Tgt Ion: 43 Resp: 288910

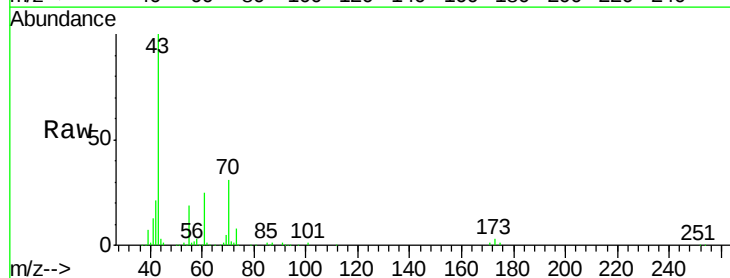
Ion Ratio Lower Upper

43 100

70 31.0 24.2 36.4

55 18.8 16.0 24.0

61 24.7 21.6 32.4

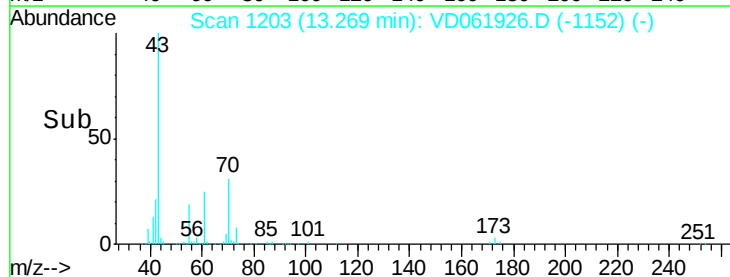
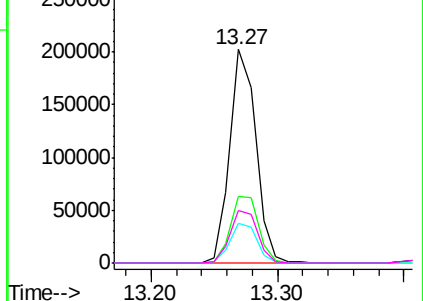


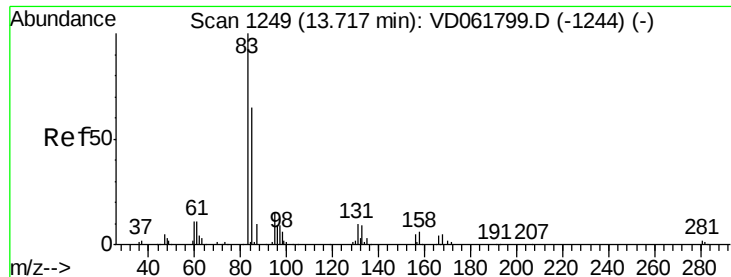
Abundance Ion 42.95 (42.65 to 43.65): V

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: 52.082 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD061926.D

Acq: 20 Apr 2019 1:06

Instrument :

MSVOA_D

ClientSampleId :

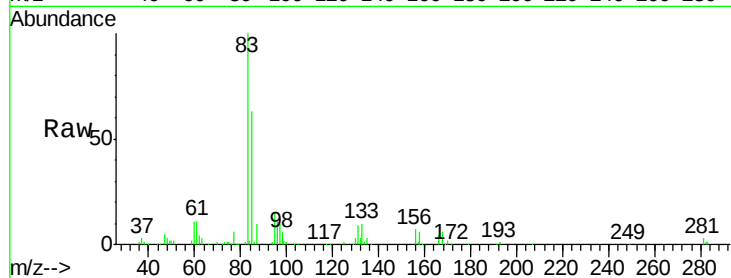
Tot Ion: 83 Resp: 227100

Ion Ratio Lower Upper

83 100

131 9.5 5.0 14.9

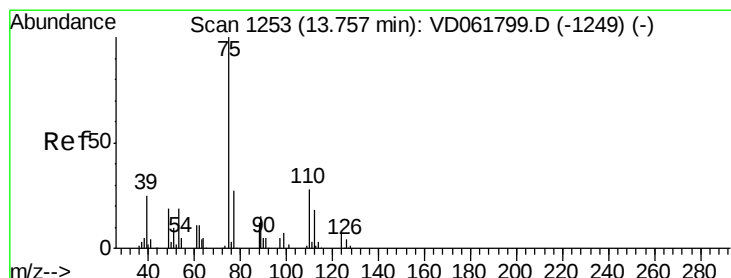
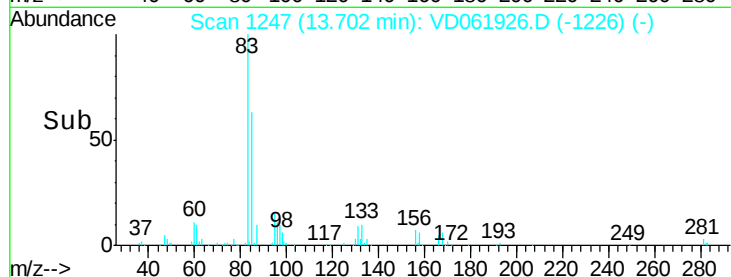
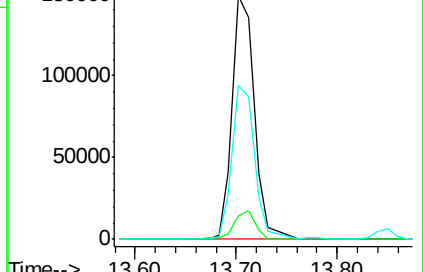
85 63.2 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 50.103 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD061926.D

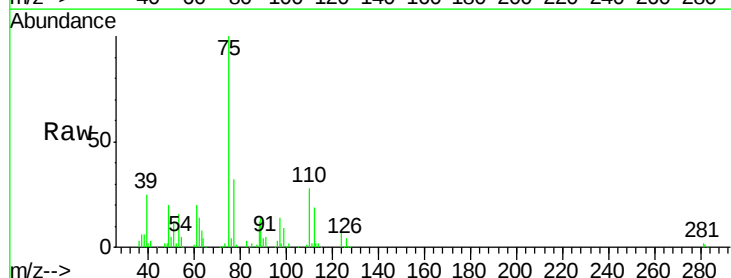
Acq: 20 Apr 2019 1:06

Tgt Ion: 75 Resp: 223812

Ion Ratio Lower Upper

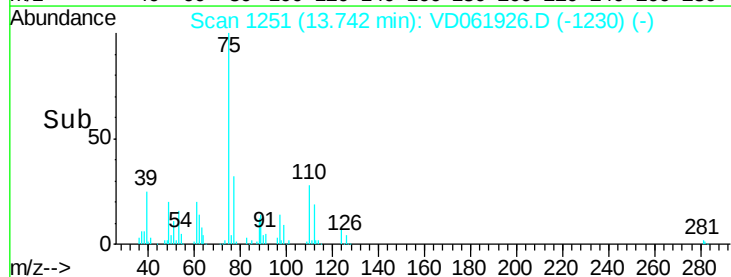
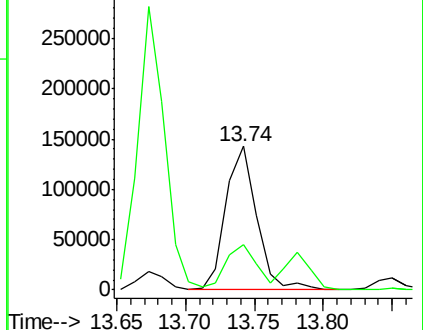
75 100

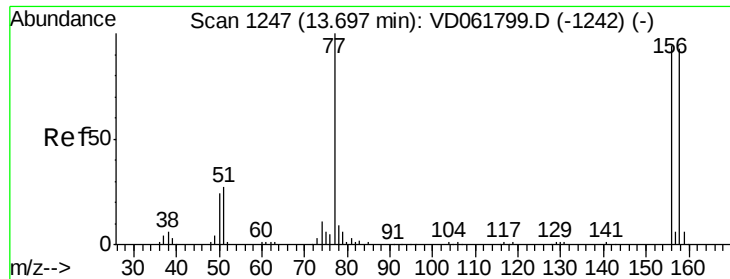
77 31.7 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 49.637 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD061926.D

Acq: 20 Apr 2019 1:06

Instrument :

MSVOA_D

ClientSampleId :

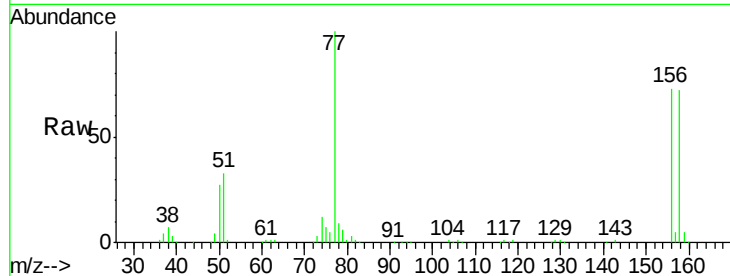
Tot Ion:156 Resp: 311044

Ion Ratio Lower Upper

156 100

77 136.5 53.1 159.4

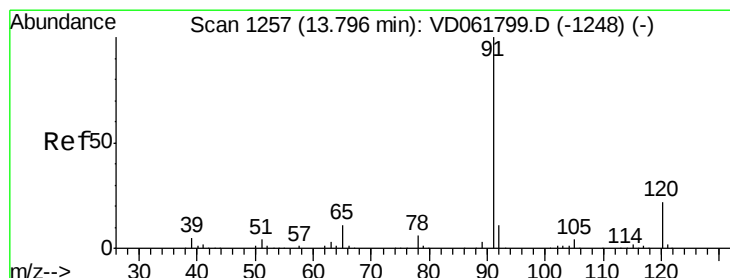
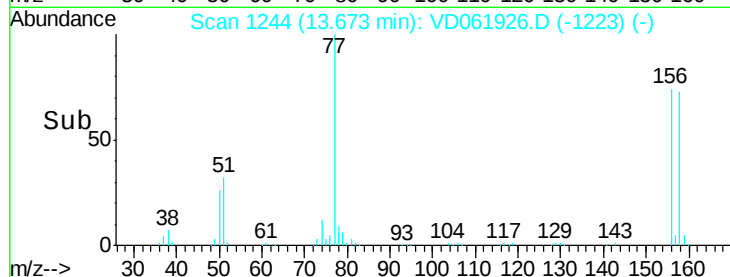
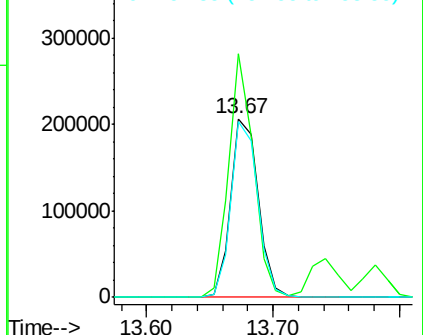
158 98.5 49.4 148.0



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: 51.095 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061926.D

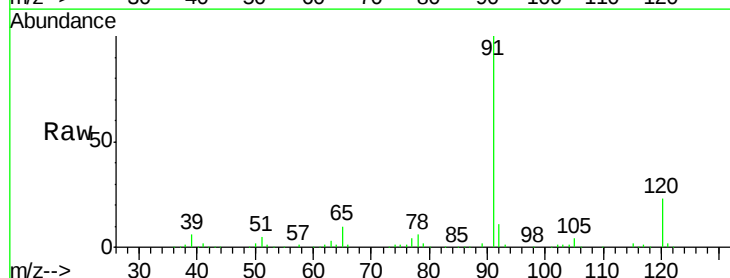
Acq: 20 Apr 2019 1:06

Tgt Ion: 91 Resp: 1302253

Ion Ratio Lower Upper

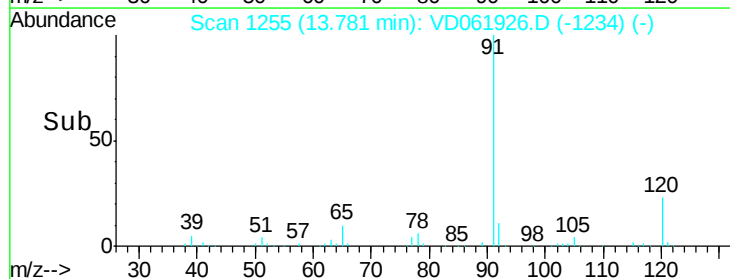
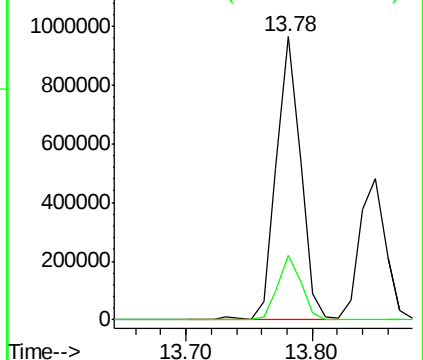
91 100

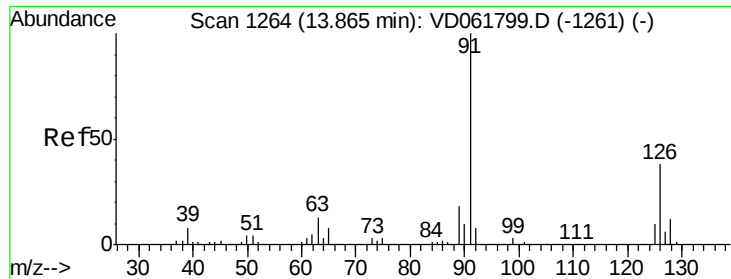
120 22.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

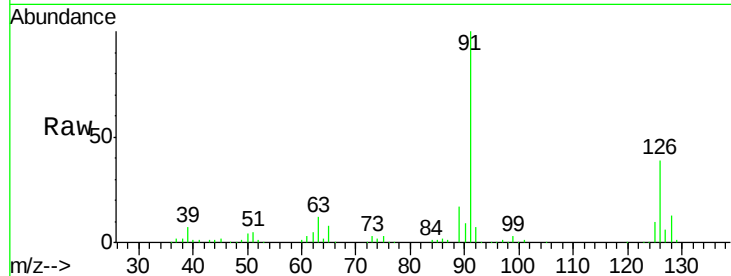




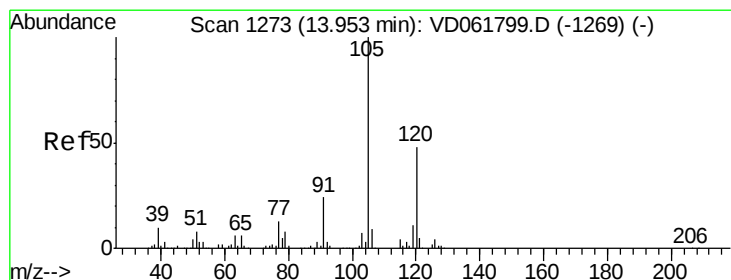
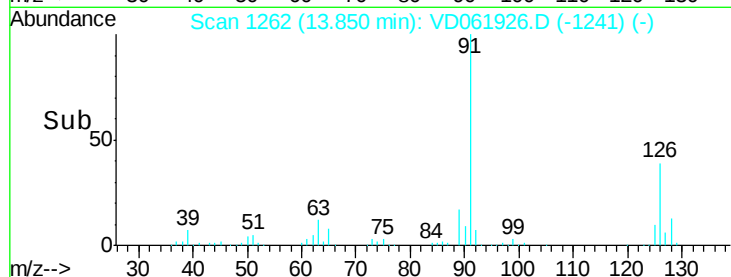
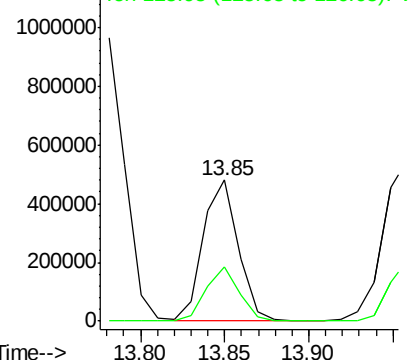
#79
 2-Chlorotoluene
 Concen: 46.578 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 1:06

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 693490
 Ion Ratio Lower Upper
 91 100
 126 38.8 18.6 55.8

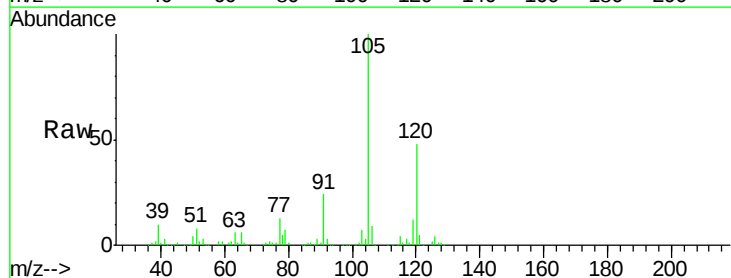


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

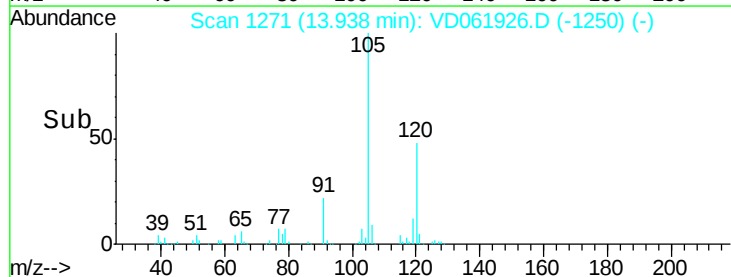
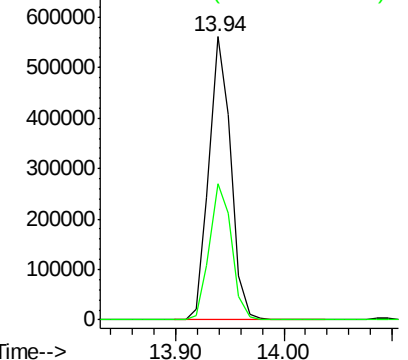


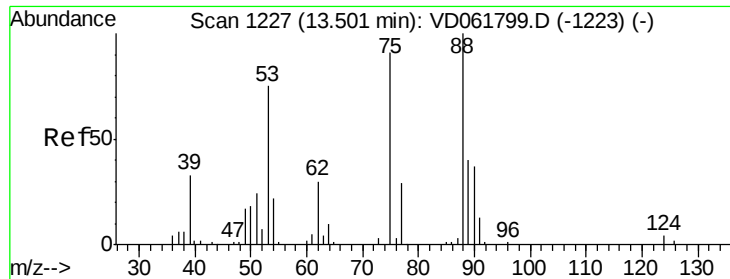
#80
 1,3,5-Trimethylbenzene
 Concen: 44.962 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 1:06

Tgt Ion: 105 Resp: 786997
 Ion Ratio Lower Upper
 105 100
 120 47.9 24.0 72.0



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

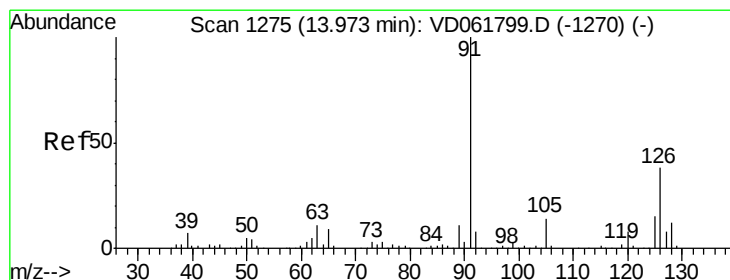
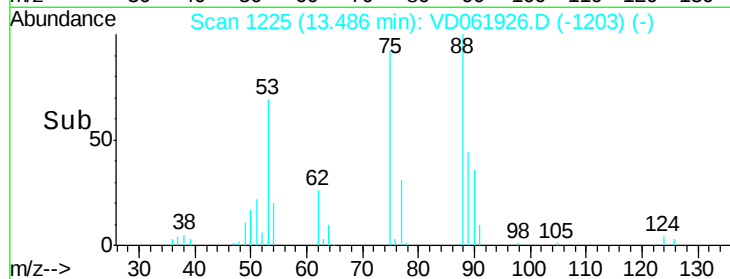
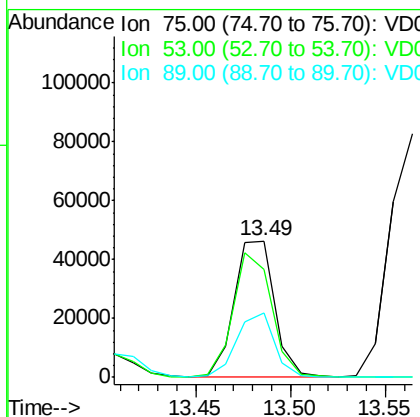
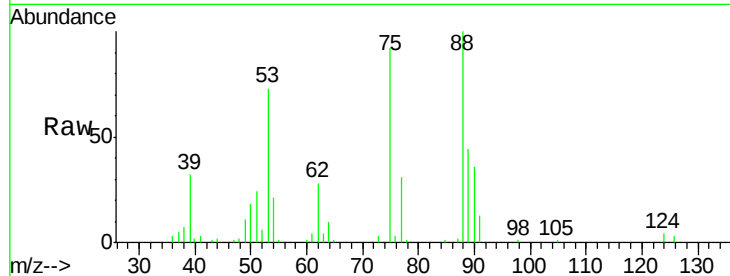




#81
trans-1,4-Dichloro-2-butene
Concen: 47.196 ug/l
RT: 13.49 min Scan# 1225
Delta R.T. 0.02 min
Lab File: VD061926.D
Acq: 20 Apr 2019 1:06

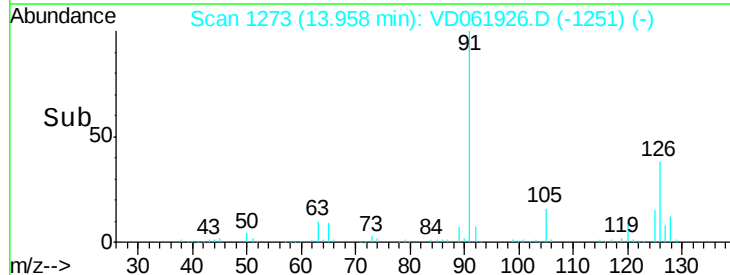
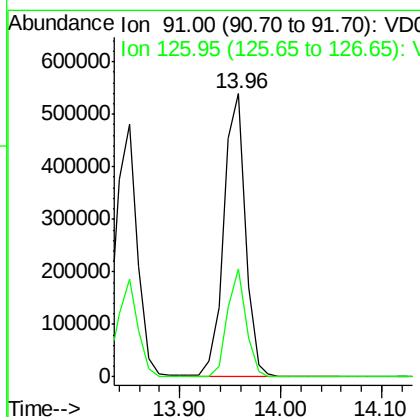
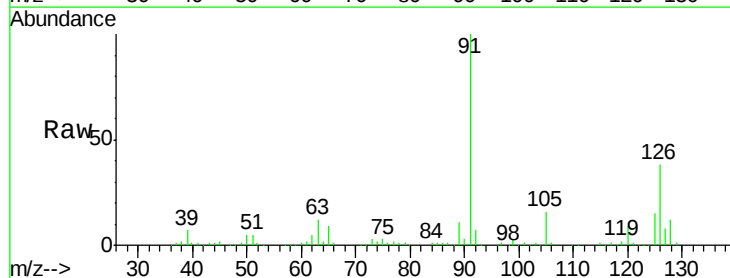
Instrument :
MSVOA_D
ClientSampleId :

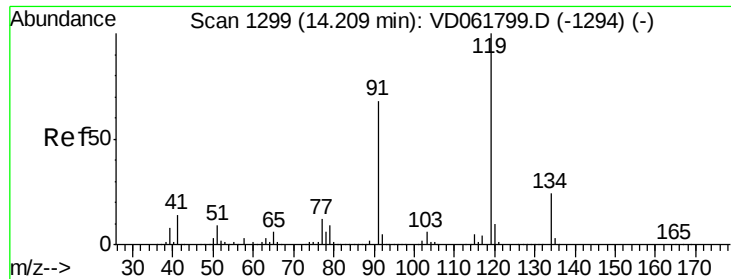
Tot Ion: 75 Resp: 68045
Ion Ratio Lower Upper
75 100
53 79.5 65.8 98.8
89 47.5 35.0 52.6



#82
4-Chlorotoluene
Concen: 46.982 ug/l
RT: 13.96 min Scan# 1273
Delta R.T. 0.02 min
Lab File: VD061926.D
Acq: 20 Apr 2019 1:06

Tgt Ion: 91 Resp: 800652
Ion Ratio Lower Upper
91 100
126 38.4 19.1 57.5

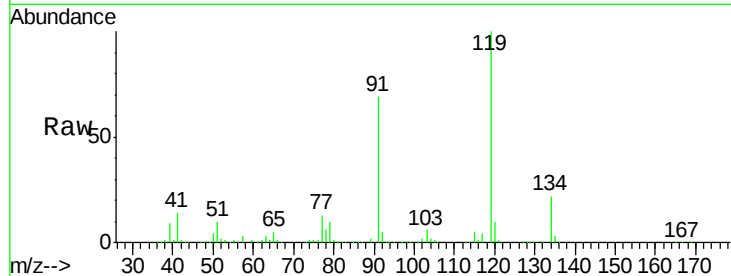




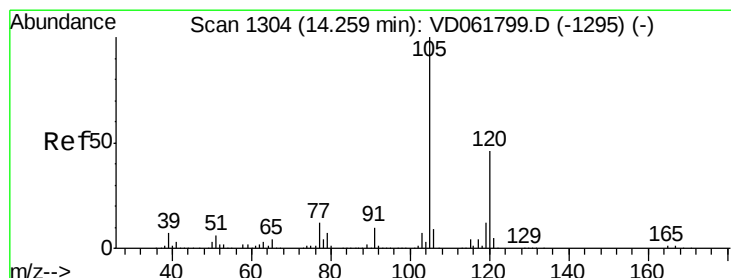
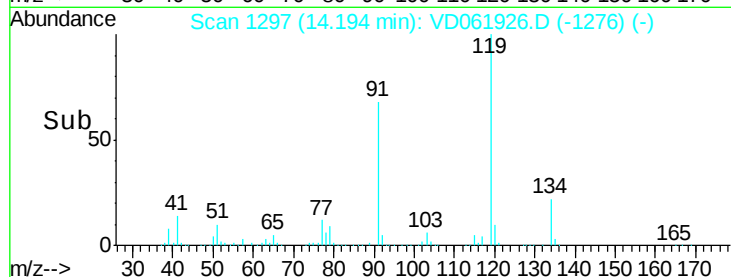
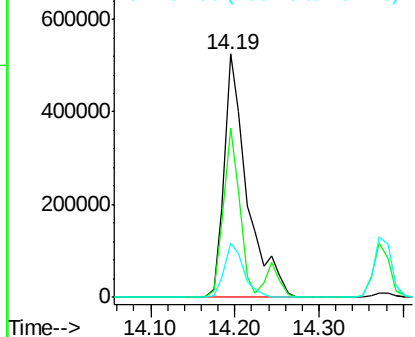
#83
 tert-Butylbenzene
 Concen: 48.559 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.01 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 1:06

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:119 Resp: 997992
 Ion Ratio Lower Upper
 119 100
 91 69.4 34.2 102.6
 134 22.4 12.0 36.0

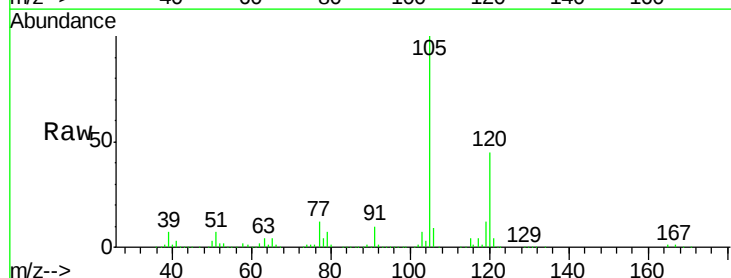


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

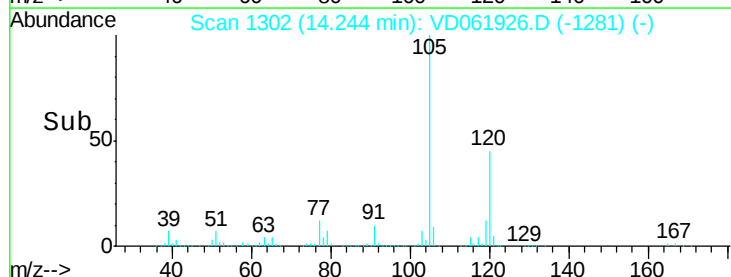
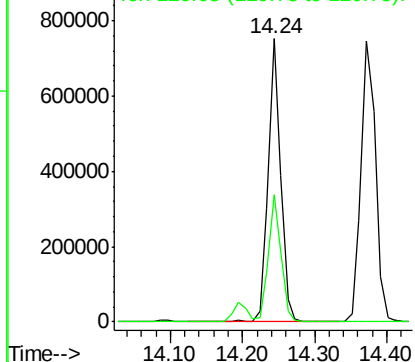


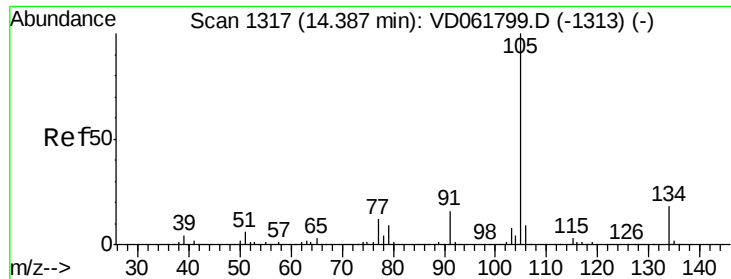
#84
 1,2,4-Trimethylbenzene
 Concen: 52.094 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 1:06

Tgt Ion:105 Resp: 916561
 Ion Ratio Lower Upper
 105 100
 120 45.0 23.1 69.2



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





#85

sec-Butylbenzene

Concen: 48.236 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.01 min

Lab File: VD061926.D

Acq: 20 Apr 2019 1:06

Instrument :

MSVOA_D

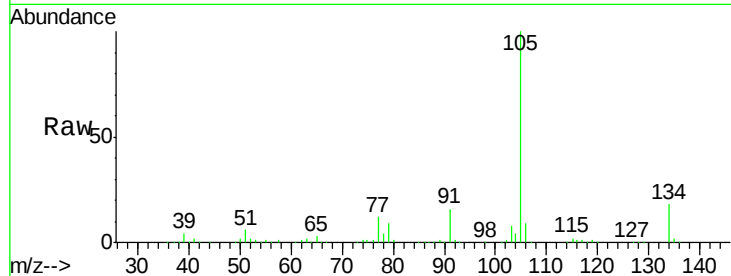
ClientSampleId :

Tot Ion:105 Resp: 1024836

Ion Ratio Lower Upper

105 100

134 17.5 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

800000

600000

400000

200000

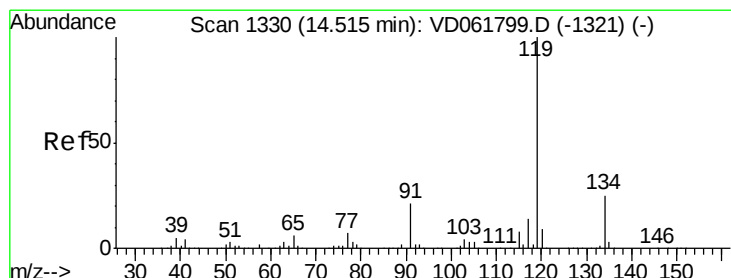
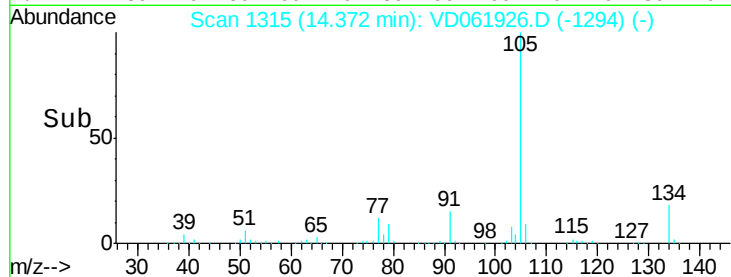
0

14.30

14.40

14.50

Time-->



#86

p-Isopropyltoluene

Concen: 47.089 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD061926.D

Acq: 20 Apr 2019 1:06

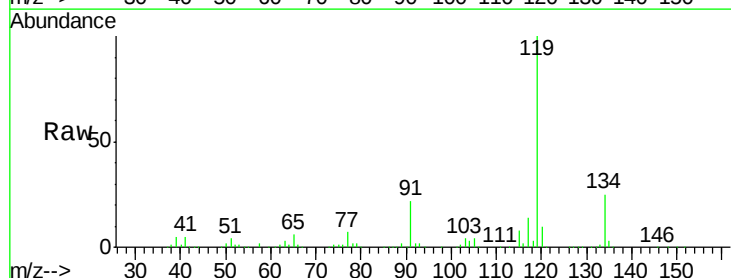
Tgt Ion:119 Resp: 936082

Ion Ratio Lower Upper

119 100

134 25.2 12.8 38.3

91 22.4 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

1000000

800000

600000

400000

200000

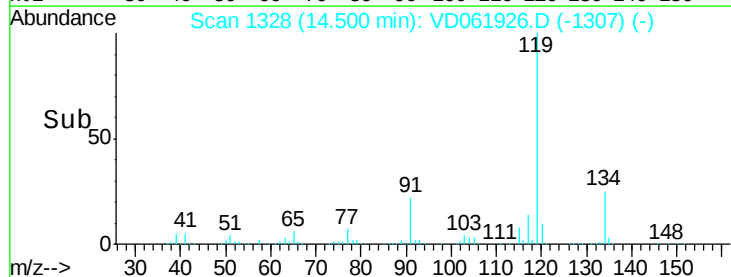
0

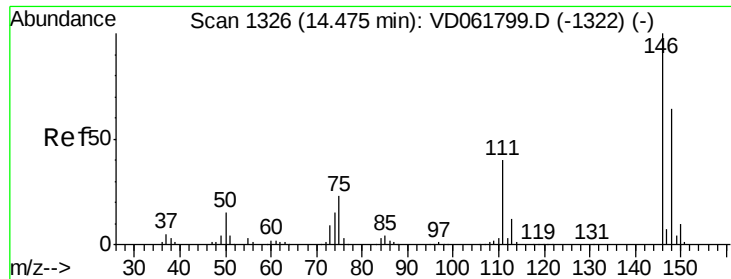
14.40

14.50

14.60

Time-->

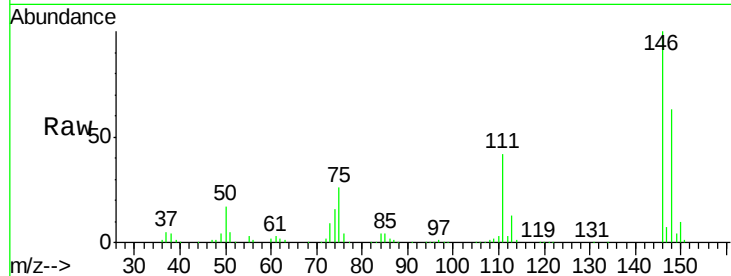




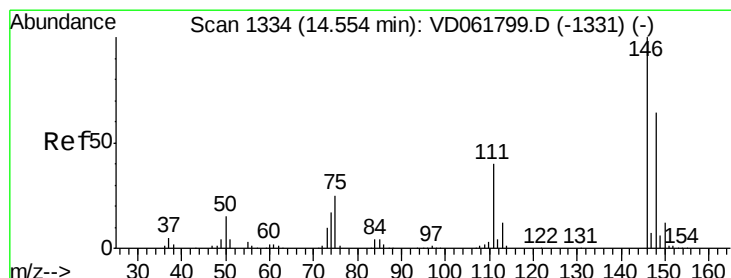
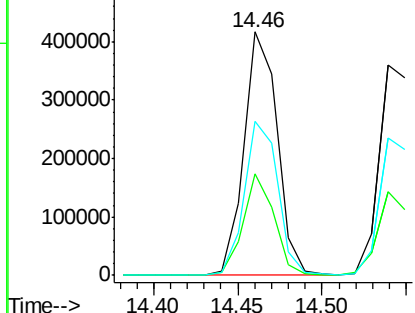
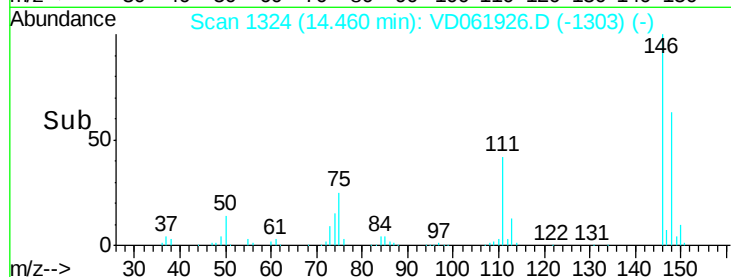
#87
 1,3-Dichlorobenzene
 Concen: 52.181 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 1:06

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 570829
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.0 60.0
 148 63.1 31.8 95.4

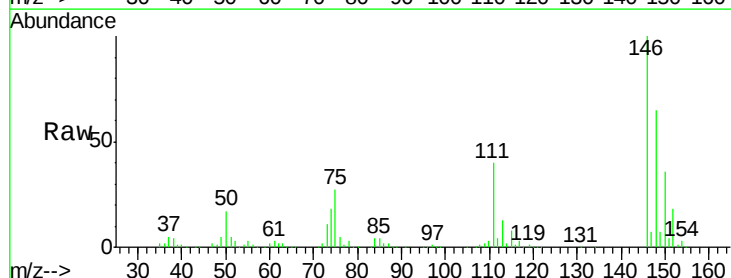


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

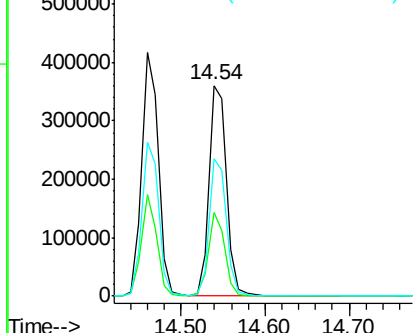
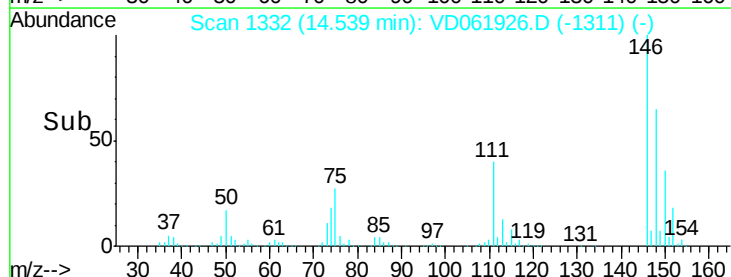


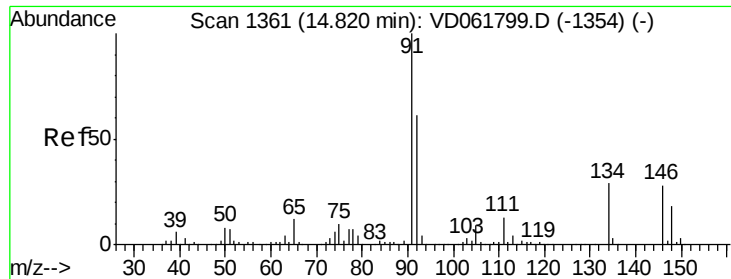
#88
 1,4-Dichlorobenzene
 Concen: 47.635 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.01 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 1:06

Tgt Ion:146 Resp: 515112
 Ion Ratio Lower Upper
 146 100
 111 39.9 20.2 60.5
 148 65.1 32.0 96.2



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





#89

n-Butylbenzene

Concen: 48.699 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD061926.D

Acq: 20 Apr 2019 1:06

Instrument :

MSVOA_D

ClientSampleId :

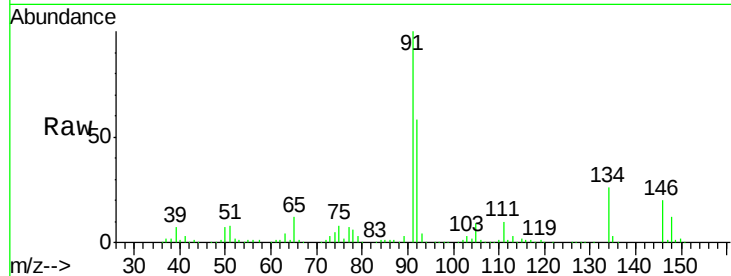
Tot Ion: 91 Resp: 856929

Ion Ratio Lower Upper

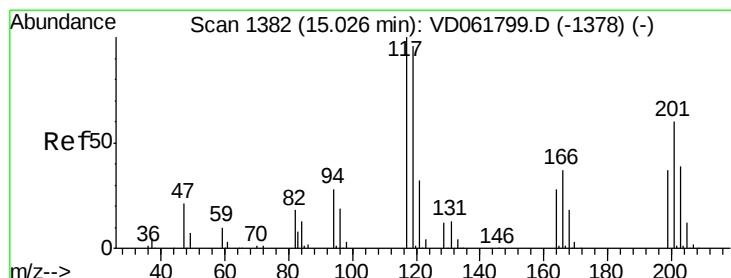
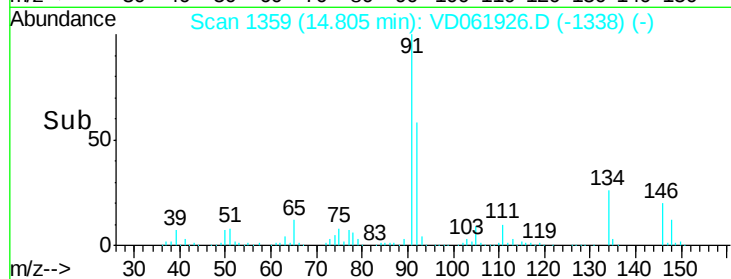
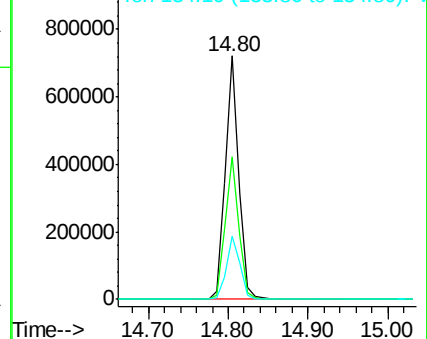
91 100

92 58.5 30.3 91.0

134 26.0 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 49.170 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VD061926.D

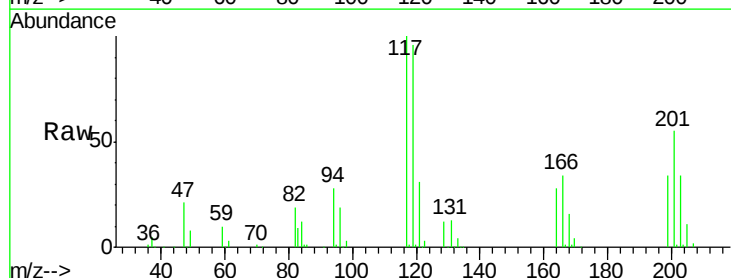
Acq: 20 Apr 2019 1:06

Tgt Ion: 117 Resp: 266415

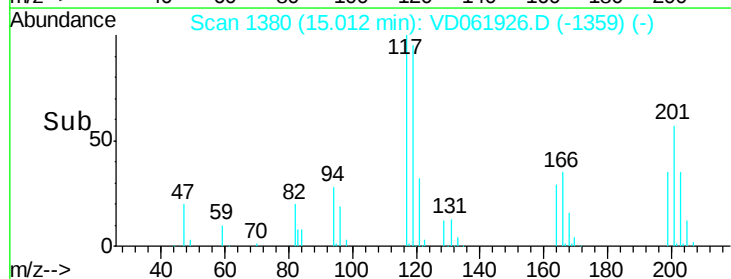
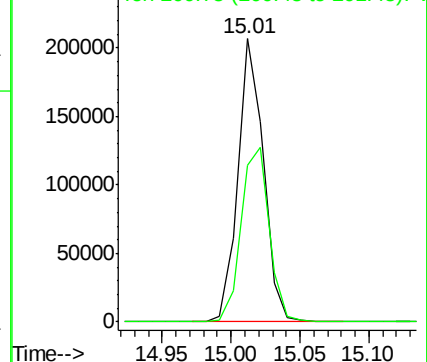
Ion Ratio Lower Upper

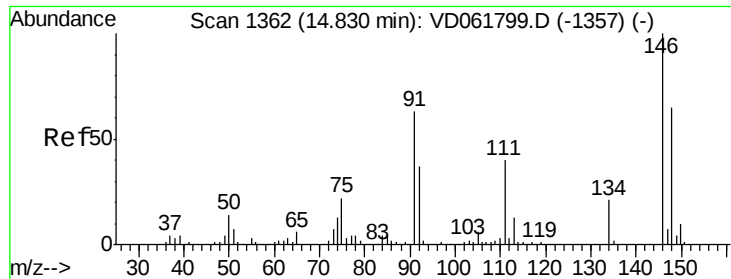
117 100

201 55.5 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

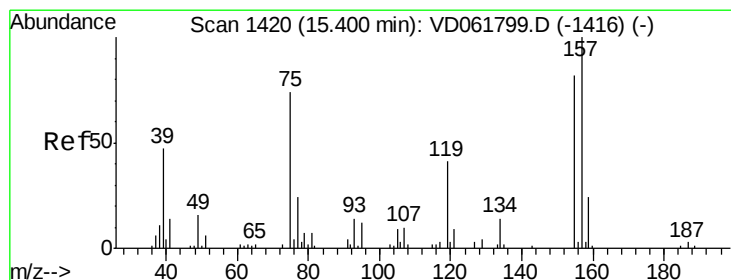
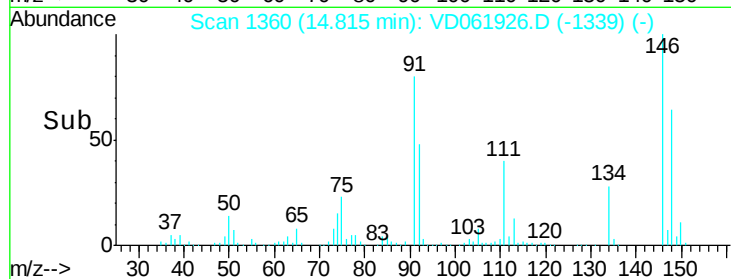
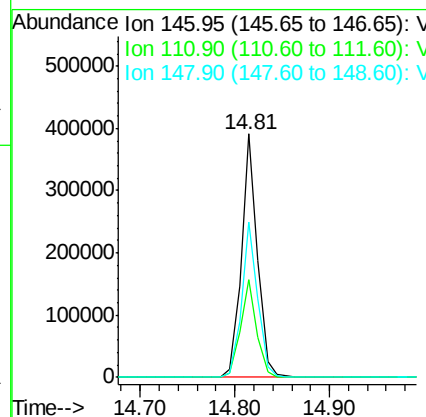
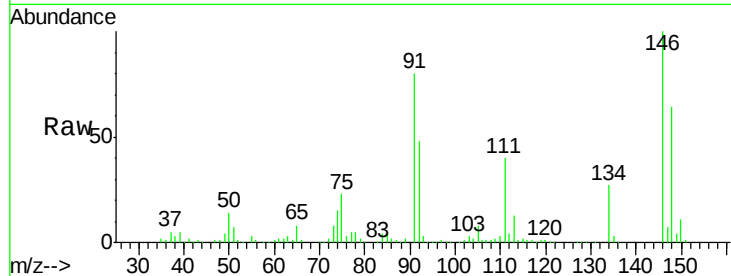




#91
 1,2-Dichlorobenzene
 Concen: 49.764 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 1:06

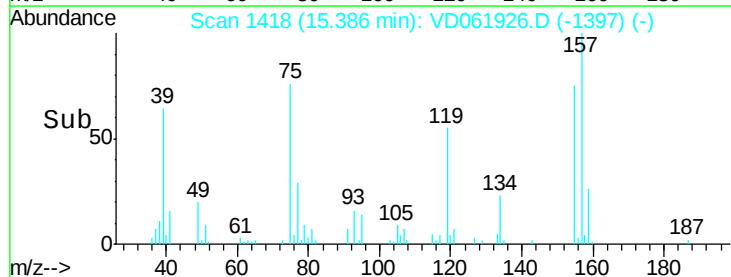
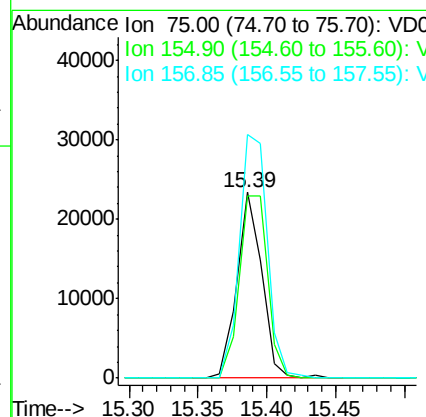
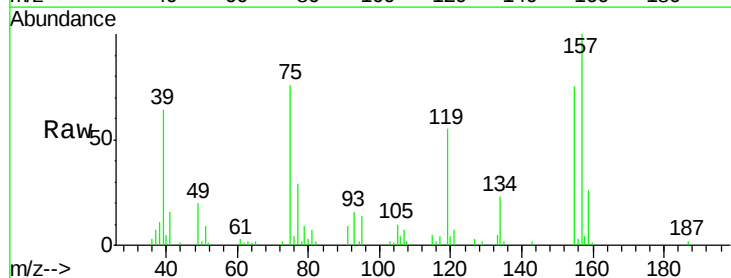
Instrument :
 MSVOA_D
 ClientSampleId :

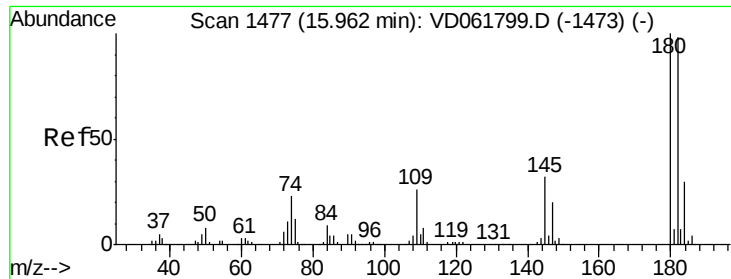
Tot Ion:146 Resp: 456004
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.0 59.9
 148 63.9 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.509 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 1:06

Tgt Ion: 75 Resp: 29454
 Ion Ratio Lower Upper
 75 100
 155 98.4 55.3 165.8
 157 131.1 67.8 203.2

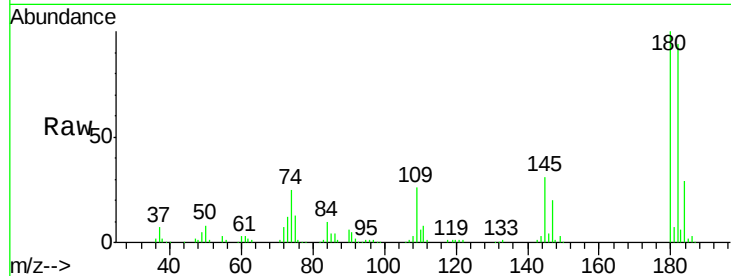




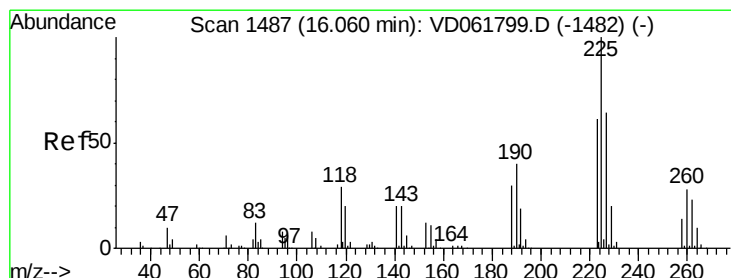
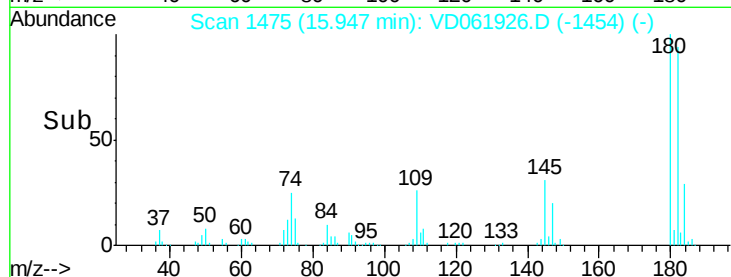
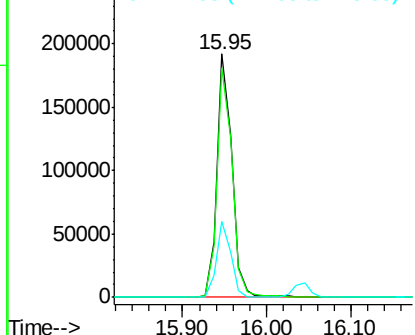
#93
 1,2,4-Trichlorobenzene
 Concen: 47.083 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 1:06

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:180 Resp: 236962
 Ion Ratio Lower Upper
 180 100
 182 94.1 49.3 147.8
 145 31.5 16.2 48.6

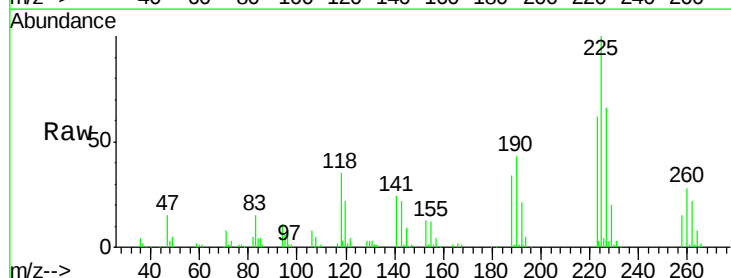


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

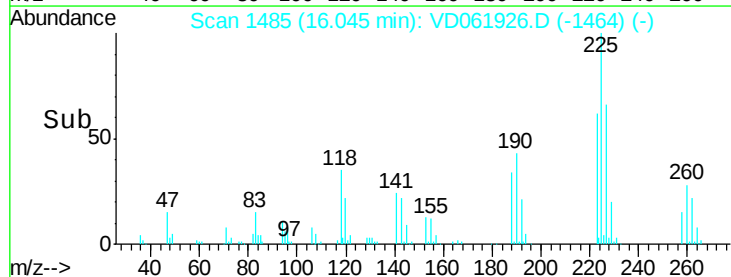
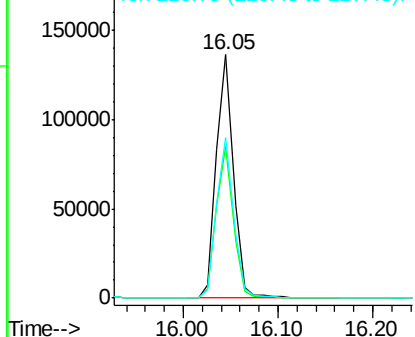


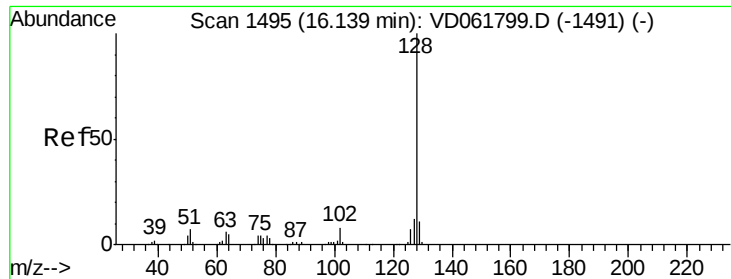
#94
 Hexachlorobutadiene
 Concen: 47.410 ug/l
 RT: 16.05 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061926.D
 Acq: 20 Apr 2019 1:06

Tgt Ion:225 Resp: 172918
 Ion Ratio Lower Upper
 225 100
 223 62.3 30.6 92.0
 227 66.1 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: 55.252 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.01 min

Lab File: VD061926.D

Acq: 20 Apr 2019 1:06

Instrument :

MSVOA_D

ClientSampleId :

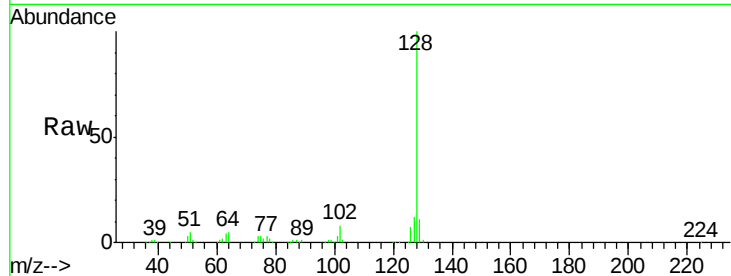
Tot Ion:128 Resp: 426217

Ion Ratio Lower Upper

128 100

127 12.2 9.8 14.8

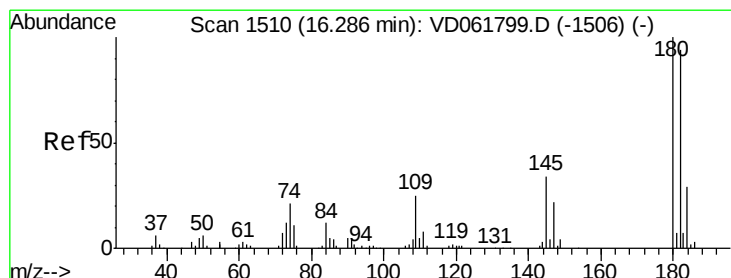
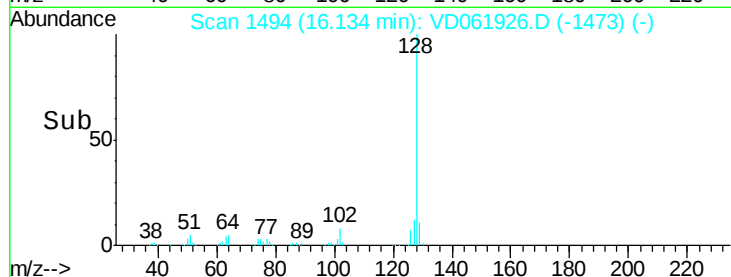
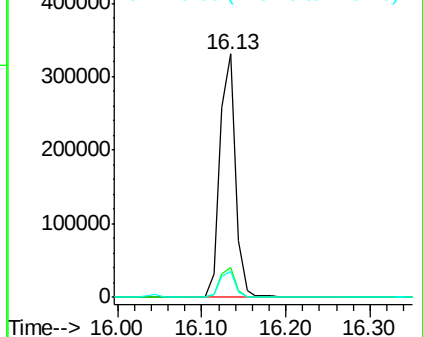
129 10.7 8.8 13.2



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: 60.230 ug/l

RT: 16.28 min Scan# 1509

Delta R.T. 0.02 min

Lab File: VD061926.D

Acq: 20 Apr 2019 1:06

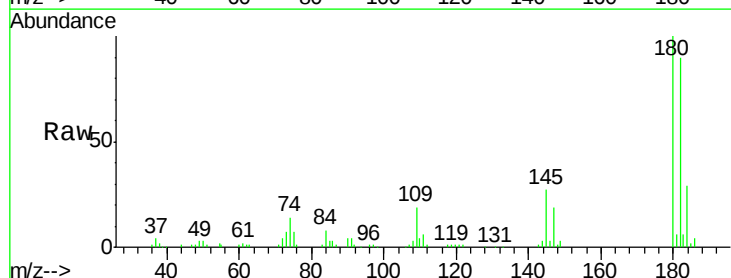
Tgt Ion:180 Resp: 172741

Ion Ratio Lower Upper

180 100

182 90.1 47.0 141.0

145 26.5 17.0 51.0



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

