

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032019\
 Data File : VD061226.D
 Acq On : 21 Mar 2019 1:25
 Operator : VA/AP
 Sample : VD0320SBS02
 Misc : 5.00µg/5ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320SBS02

Quant Time: Mar 22 02:05:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	560709	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1036443	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	779313	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	342676	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	252830	54.17	ug/l	0.00
Spiked Amount 50.000			Recovery =	108.34%		
35) Dibromofluoromethane	6.92	113	402597	52.34	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.68%		
50) Toluene-d8	10.40	98	921028	47.68	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.36%		
62) 4-Bromofluorobenzene	13.55	95	365078	48.71	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.42%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	108808	19.590	ug/l	97
3) Chloromethane	1.76	50	87785	18.973	ug/l	95
4) Vinyl Chloride	1.86	62	81489	19.060	ug/l	98
5) Bromomethane	2.15	94	15058	17.187	ug/l	91
6) Chloroethane	2.26	64	22181	17.333	ug/l #	84
7) Trichlorofluoromethane	2.53	101	108931	17.736	ug/l	97
8) Diethyl Ether	2.87	74	46639	23.019	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.15	101	141516	20.610	ug/l	96
10) Methyl Iodide	3.30	142	180049	20.857	ug/l	97
11) Tert butyl alcohol	4.05	59	32392	109.017	ug/l	97
12) 1,1-Dichloroethene	3.13	96	116276	20.659	ug/l	96
13) Acrolein	3.04	56	27380	63.687	ug/l	93
14) Allyl chloride	3.62	41	185521	20.601	ug/l	99
15) Acrylonitrile	4.19	53	134556	128.131	ug/l	93
16) Acetone	3.22	43	125001	93.659	ug/l	96
17) Carbon Disulfide	3.37	76	318932	16.798	ug/l	100
18) Methyl Acetate	3.64	43	60739	23.125	ug/l #	92
19) Methyl tert-butyl Ether	4.23	73	246835	25.024	ug/l	93
20) Methylene Chloride	3.82	84	149953	22.033	ug/l	90
21) trans-1,2-Dichloroethene	4.21	96	135091	22.175	ug/l	95
22) Diisopropyl ether	5.11	45	407318	21.788	ug/l	94
23) Vinyl Acetate	5.05	43	1144332	119.243	ug/l	99
24) 1,1-Dichloroethane	4.98	63	224518	21.920	ug/l	99
25) 2-Butanone	6.06	43	174650	115.322	ug/l	98
26) 2,2-Dichloropropane	6.02	77	164706	20.599	ug/l	94
27) cis-1,2-Dichloroethene	6.03	96	152050	23.524	ug/l	98
28) Bromochloromethane	6.42	49	80990	18.678	ug/l	99
29) Tetrahydrofuran	6.44	42	91508	111.277	ug/l	98
30) Chloroform	6.66	83	227922	21.470	ug/l	97
31) Cyclohexane	6.95	56	161040	19.499	ug/l	96
32) 1,1,1-Trichloroethane	6.86	97	192161	20.938	ug/l	98
36) 1,1-Dichloropropene	7.13	75	150369	16.831	ug/l	97
37) Ethyl Acetate	6.17	43	89824	21.425	ug/l	98
38) Carbon Tetrachloride	7.10	117	178621	18.151	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	167999	18.135	ug/l	98
40) Benzene	7.45	78	416269	18.647	ug/l	99
41) Methacrylonitrile	6.42	41	98768	20.482	ug/l #	90
42) 1,2-Dichloroethane	7.57	62	142968	22.069	ug/l	99
43) Isopropyl Acetate	9.23	43	125220	21.565	ug/l #	95
44) Trichloroethene	8.53	130	163108	21.179	ug/l	97
45) 1,2-Dichloropropane	8.94	63	118461	20.198	ug/l	99
46) Dibromomethane	9.05	93	79448	21.355	ug/l	97
47) Bromodichloromethane	9.37	83	172552	20.554	ug/l	98
48) Methyl methacrylate	9.11	41	67081	20.518	ug/l	96
49) 1,4-Dioxane	9.07	88	14773	446.868	ug/l	95
51) 4-Methyl-2-Pentanone	10.29	43	368914	103.706	ug/l	98
52) Toluene	10.50	92	276029	19.884	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	168273	21.921	ug/l	100
54) cis-1,3-Dichloropropene	10.03	75	185859	20.151	ug/l	99
55) 1,1,2-Trichloroethane	11.18	97	92164	19.936	ug/l	96
56) Ethyl methacrylate	11.03	69	103560	21.402	ug/l	98
57) 1,3-Dichloropropane	11.40	76	153083	22.159	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.85	63	248148	96.883	ug/l	98
59) 2-Hexanone	11.52	43	268567	103.210	ug/l	97
60) Dibromochloromethane	11.68	129	147850	21.731	ug/l	96
61) 1,2-Dibromoethane	11.80	107	119784	22.274	ug/l	96
64) Tetrachloroethene	11.25	164	123814	23.536	ug/l	96
65) Chlorobenzene	12.39	112	367062	24.026	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	140689	25.834	ug/l	96
67) Ethyl Benzene	12.52	91	554919	24.397	ug/l	100
68) m/p-Xylenes	12.67	106	397345	44.509	ug/l	98
69) o-Xylene	13.04	106	197313	22.485	ug/l	97
70) Styrene	13.07	104	302807	21.133	ug/l	98
71) Bromoform	13.23	173	88519	25.197	ug/l	98
73) Isopropylbenzene	13.39	105	504571	20.431	ug/l	96
74) N-amyl acetate	13.26	43	154937	22.281	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	115208	23.910	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	110894	22.494	ug/l	96
77) Bromobenzene	13.66	156	155745	24.705	ug/l	79
78) n-propylbenzene	13.77	91	607053	20.997	ug/l	99
79) 2-Chlorotoluene	13.84	91	330546	20.767	ug/l	96
80) 1,3,5-Trimethylbenzene	14.23	105	410333	21.886	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	35156	24.188	ug/l	94
82) 4-Chlorotoluene	13.95	91	384581	20.438	ug/l	94
83) tert-Butylbenzene	14.18	119	492775	24.017	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	410333	21.886	ug/l	99
85) sec-Butylbenzene	14.36	105	540168	21.565	ug/l	94
86) p-Isopropyltoluene	14.49	119	414802	20.260	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	262264	23.298	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	252469	22.823	ug/l	97
89) n-Butylbenzene	14.79	91	406349	20.667	ug/l	98
90) Hexachloroethane	15.00	117	113859	19.694	ug/l	74
91) 1,2-Dichlorobenzene	14.80	146	230865	24.601	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	14477	24.933	ug/l	65

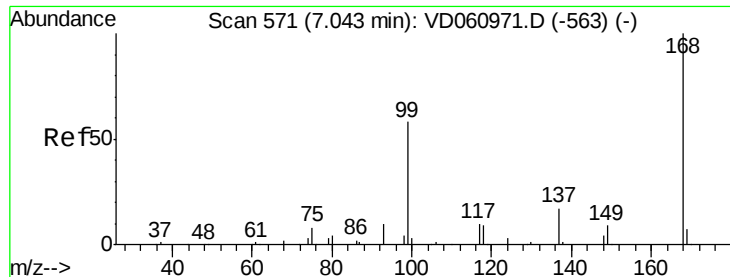
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032019\
Data File : VD061226.D
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Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	93303	21.432	ug/l	98
94) Hexachlorobutadiene	16.03	225	79287	24.078	ug/l	96
95) Naphthalene	16.12	128	173696	26.255	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	52240	24.296	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD061226.D

Acq: 21 Mar 2019 1:25

Instrument :

MSVOA_D

ClientSampleId :

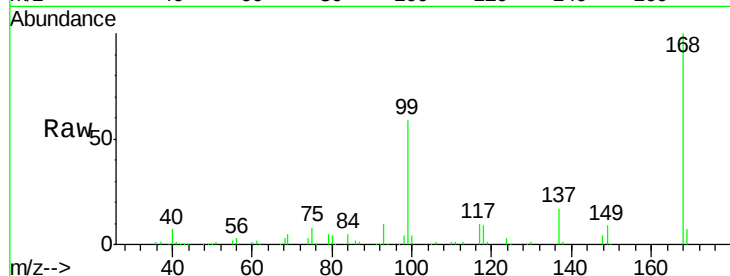
VD0320SBSD02

Tot Ion:168 Resp: 560709

Ion Ratio Lower Upper

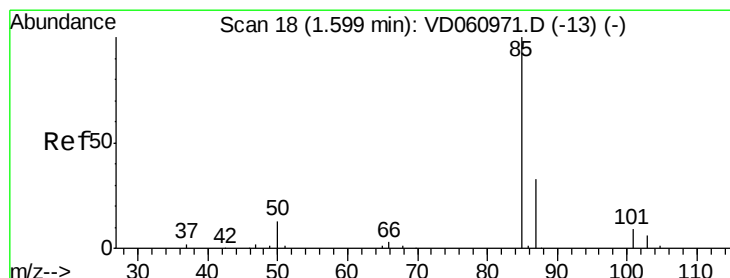
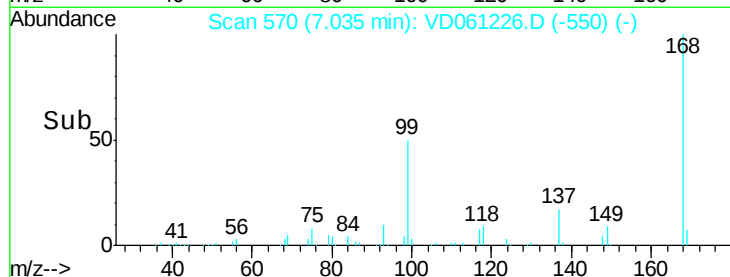
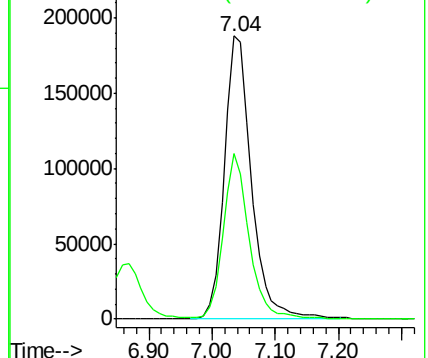
168 100

99 58.6 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 19.590 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.02 min

Lab File: VD061226.D

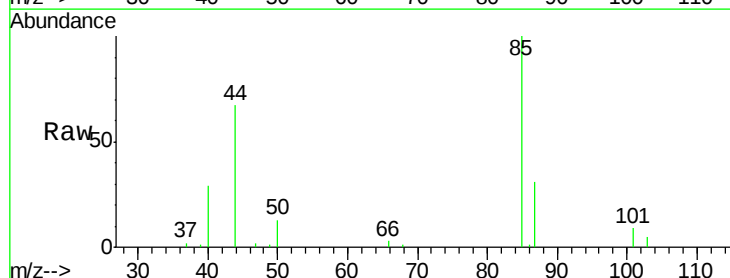
Acq: 21 Mar 2019 1:25

Tgt Ion: 85 Resp: 108808

Ion Ratio Lower Upper

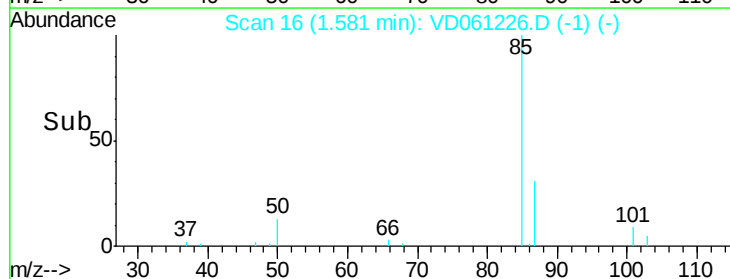
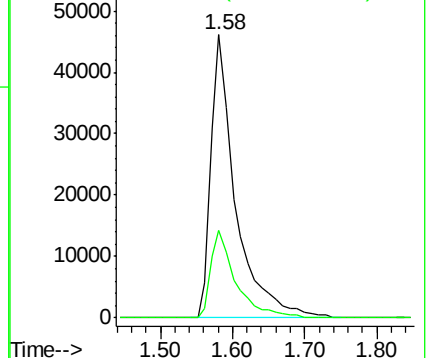
85 100

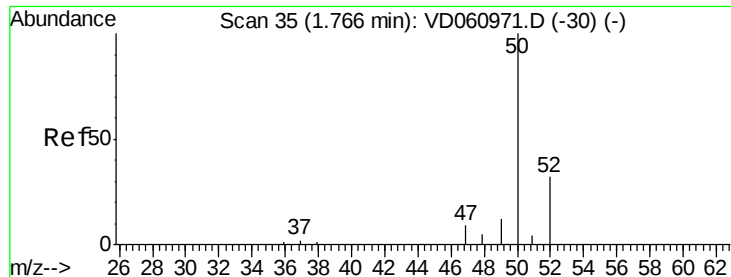
87 31.0 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.973 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.01 min

Lab File: VD061226.D

Acq: 21 Mar 2019 1:25

Instrument :

MSVOA_D

ClientSampleId :

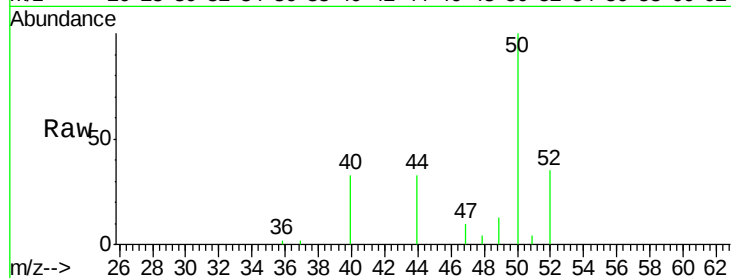
VD0320SBSD02

Tot Ion: 50 Resp: 87785

Ion Ratio Lower Upper

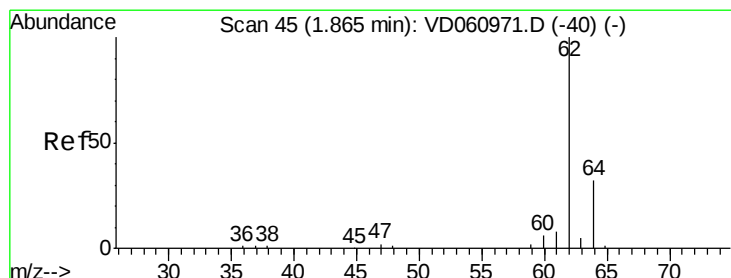
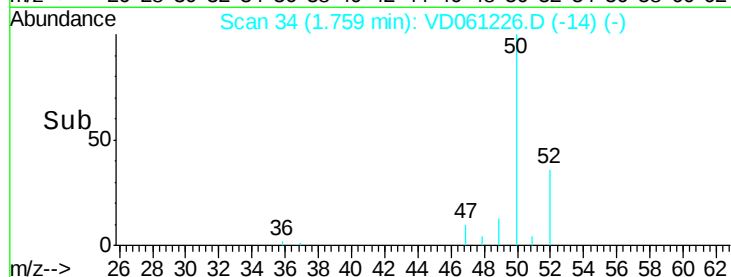
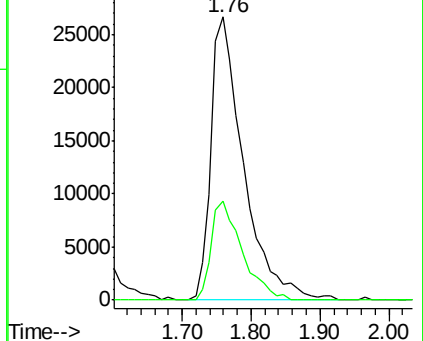
50 100

52 35.1 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.060 ug/l

RT: 1.86 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD061226.D

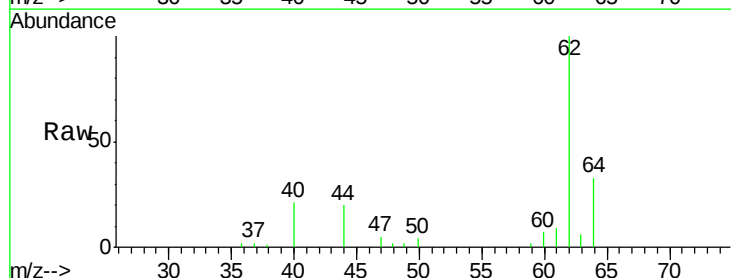
Acq: 21 Mar 2019 1:25

Tgt Ion: 62 Resp: 81489

Ion Ratio Lower Upper

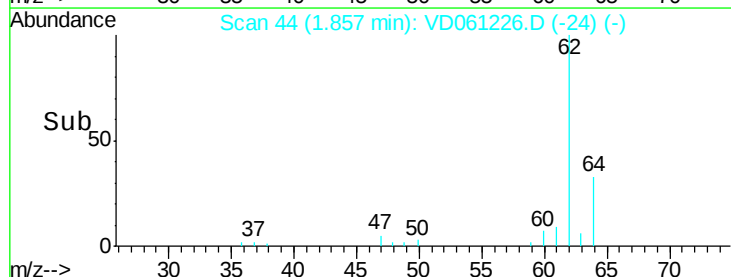
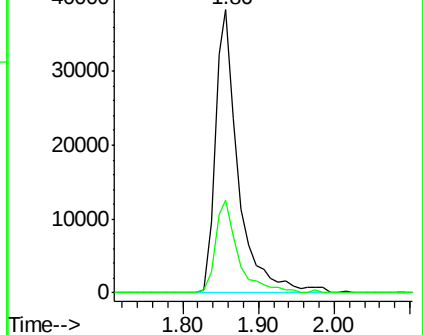
62 100

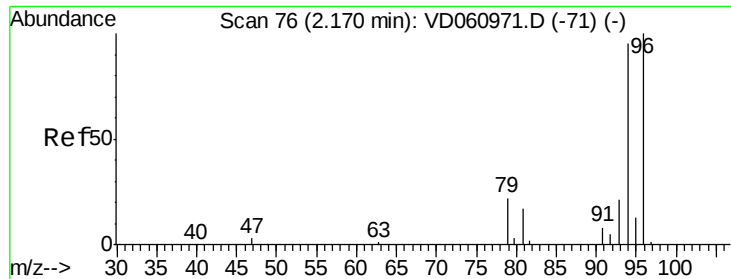
64 32.7 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 17.187 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.02 min

Lab File: VD061226.D

Acq: 21 Mar 2019 1:25

Instrument :

MSVOA_D

ClientSampleId :

VD0320SBSD02

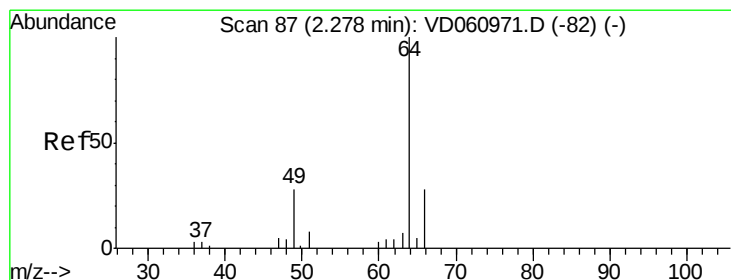
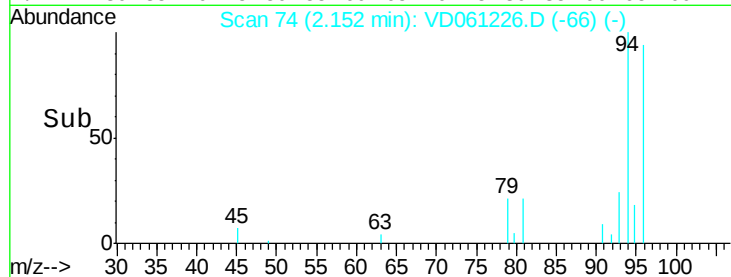
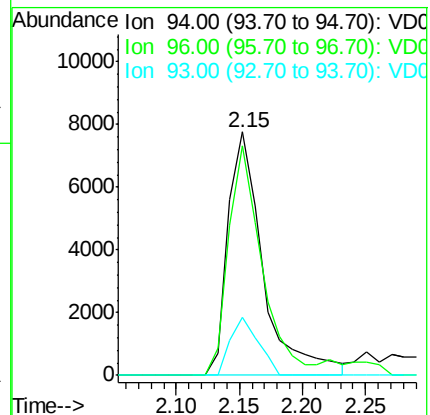
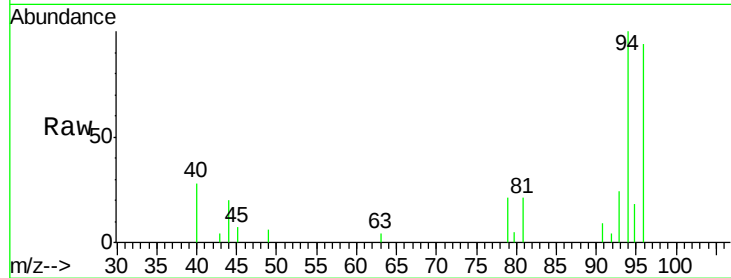
Tot Ion: 94 Resp: 15058

Ion Ratio Lower Upper

94 100

96 94.5 84.0 126.0

93 23.8 17.3 25.9



#6

Chloroethane

Concen: 17.333 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.02 min

Lab File: VD061226.D

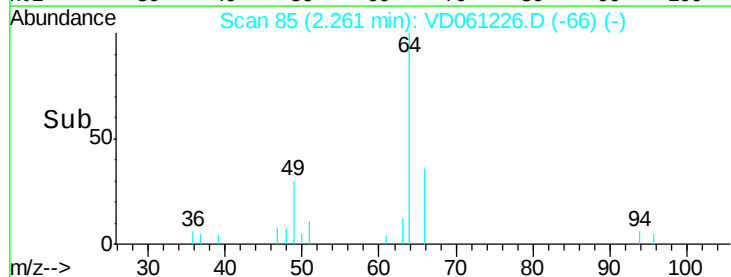
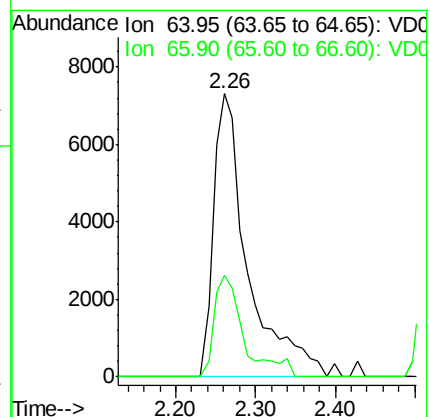
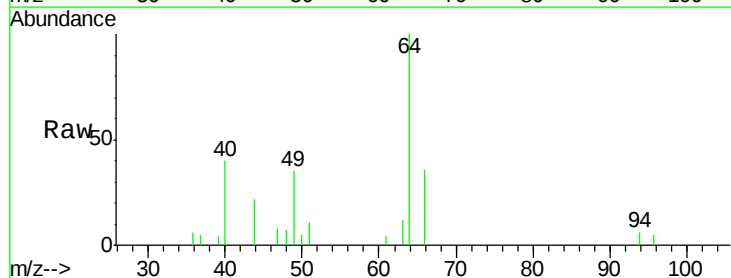
Acq: 21 Mar 2019 1:25

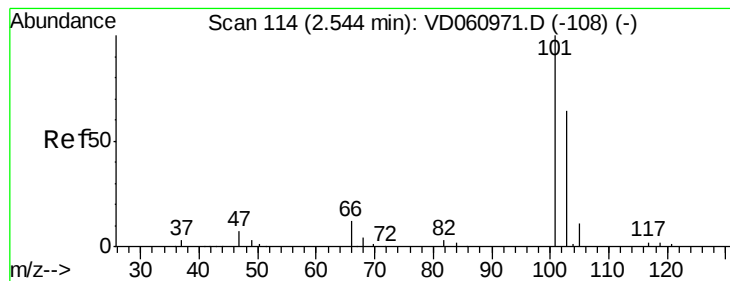
Tgt Ion: 64 Resp: 22181

Ion Ratio Lower Upper

64 100

66 36.0 22.2 33.2#



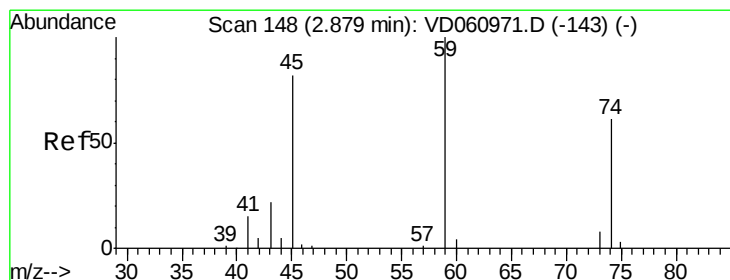
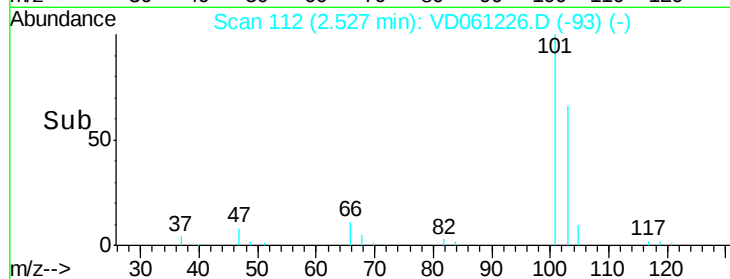
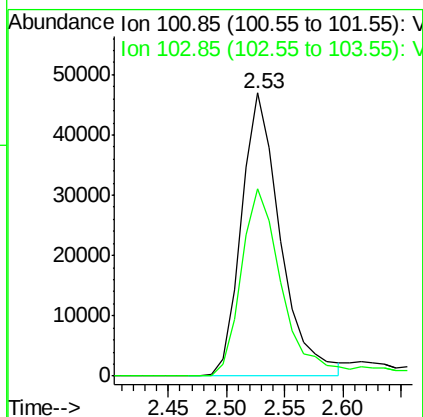
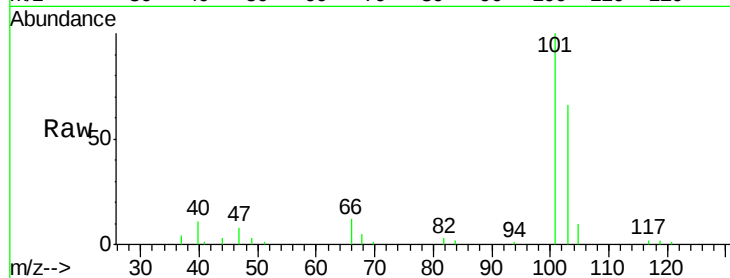


#7

Trichlorofluoromethane
 Concen: 17.736 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.02 min
 Lab File: VD061226.D
 Acq: 21 Mar 2019 1:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320SBSD02

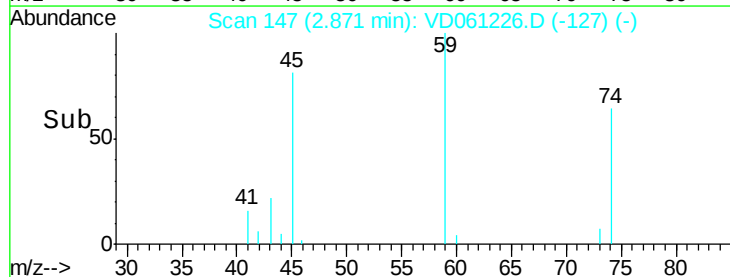
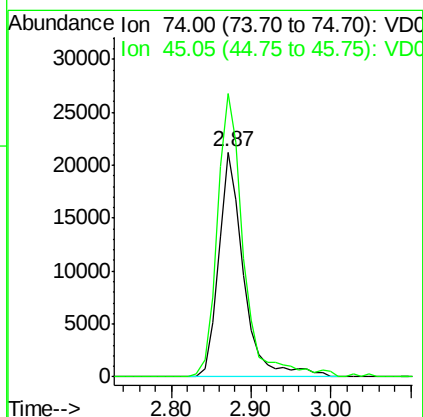
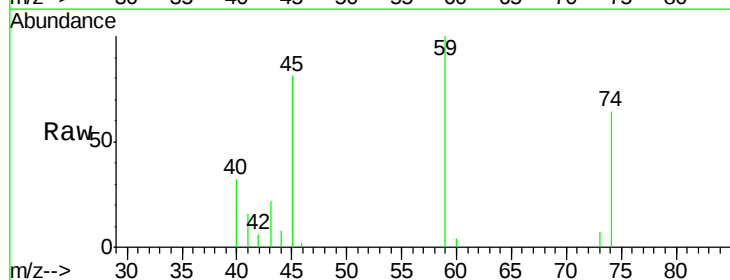
Tot Ion: 101 Resp: 108931
 Ion Ratio Lower Upper
 101 100
 103 66.1 51.2 76.8

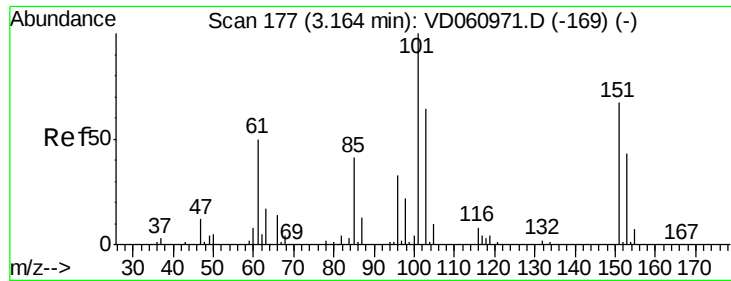


#8

Diethyl Ether
 Concen: 23.019 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.01 min
 Lab File: VD061226.D
 Acq: 21 Mar 2019 1:25

Tgt Ion: 74 Resp: 46639
 Ion Ratio Lower Upper
 74 100
 45 125.8 67.0 201.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.610 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.02 min

Lab File: VD061226.D

Acq: 21 Mar 2019 1:25

Instrument :

MSVOA_D

ClientSampleId :

VD0320SBS02

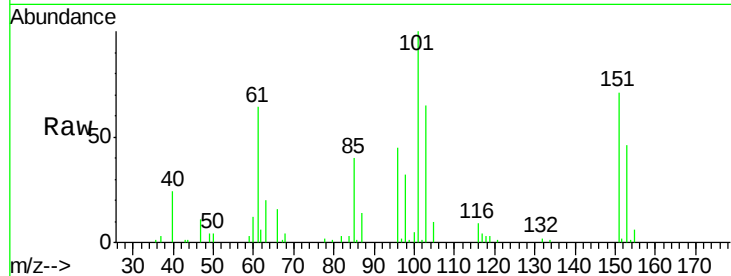
Tot Ion:101 Resp: 141516

Ion Ratio Lower Upper

101 100

85 39.8 32.5 48.7

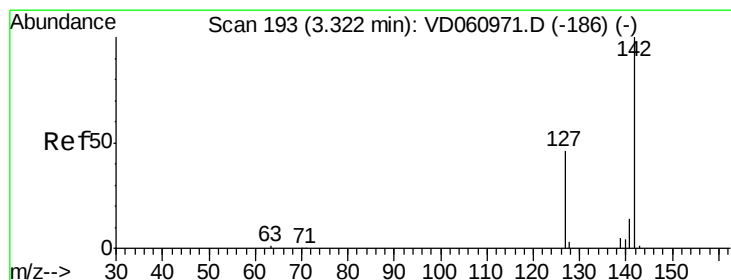
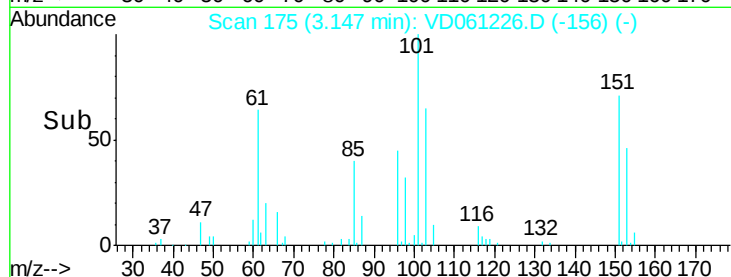
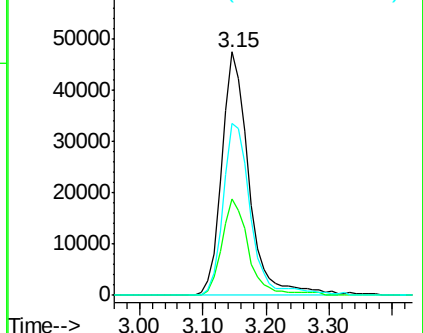
151 70.8 53.3 79.9



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 20.857 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.02 min

Lab File: VD061226.D

Acq: 21 Mar 2019 1:25

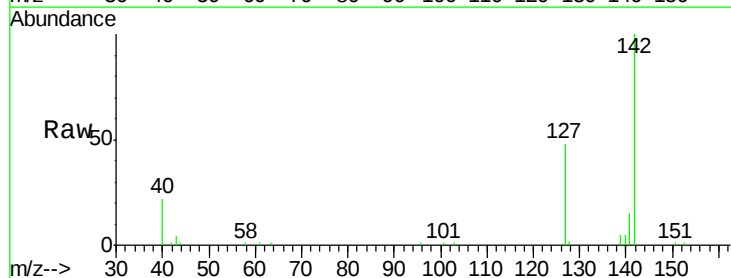
Tgt Ion:142 Resp: 180049

Ion Ratio Lower Upper

142 100

127 47.8 36.8 55.2

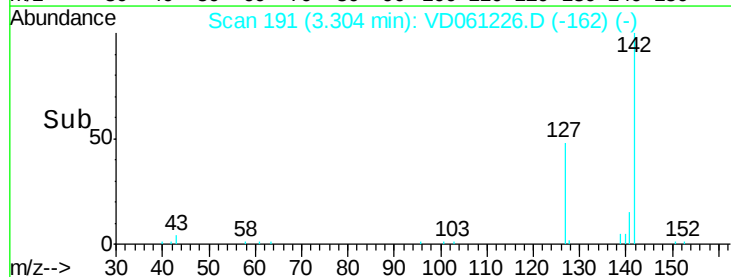
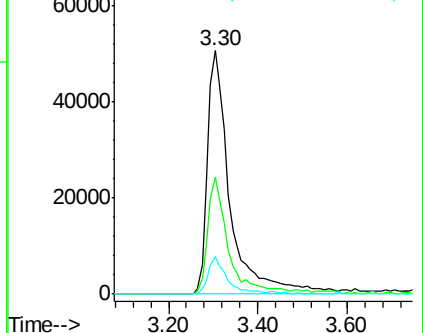
141 15.2 11.2 16.8

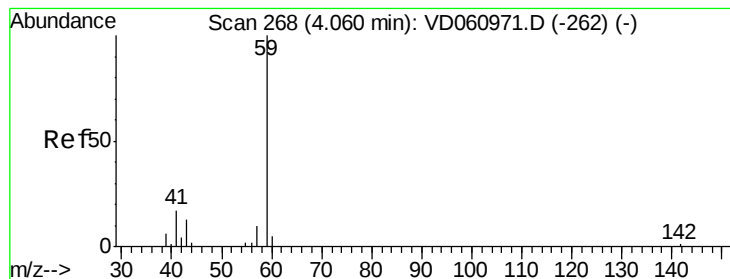


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



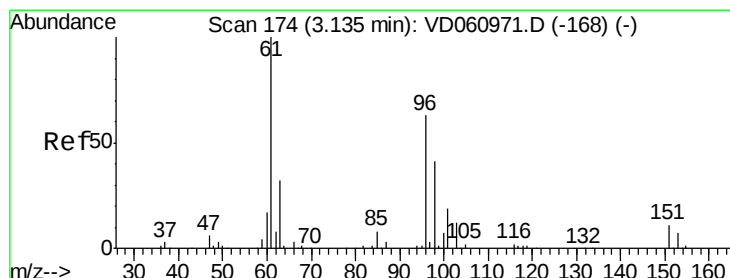
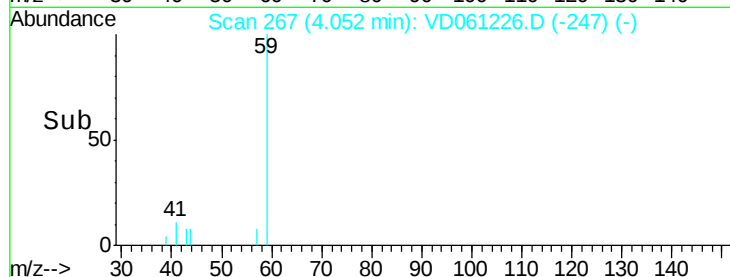
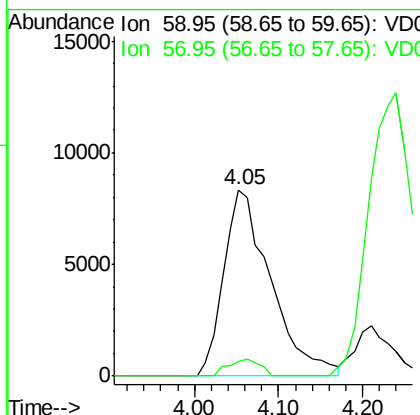
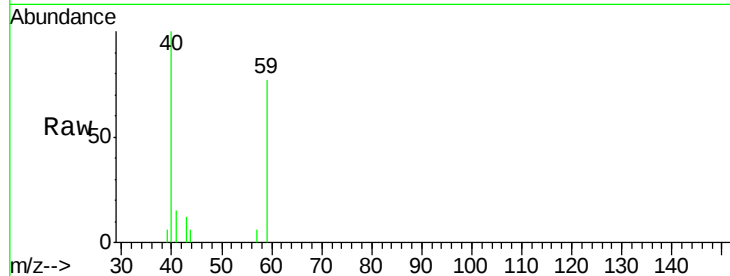


#11

Tert butyl alcohol
Concen: 109.017 ug/l
RT: 4.05 min Scan# 267
Delta R.T. -0.01 min
Lab File: VD061226.D
Acq: 21 Mar 2019 1:25

Instrument :
MSVOA_D
ClientSampleId :
VD0320SBSD02

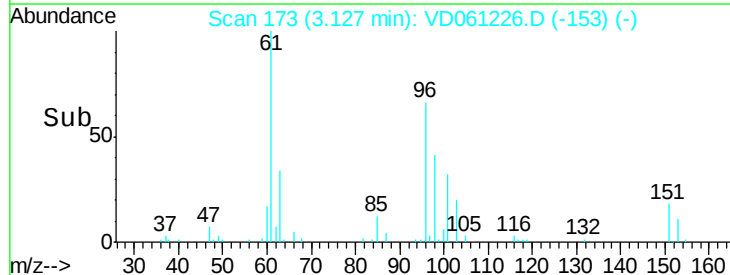
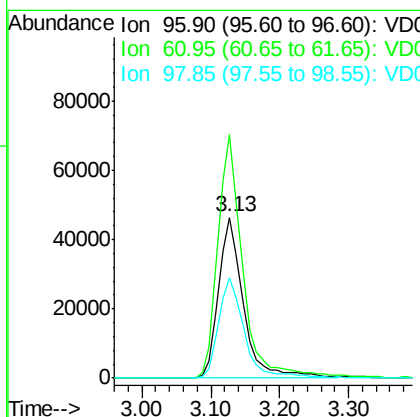
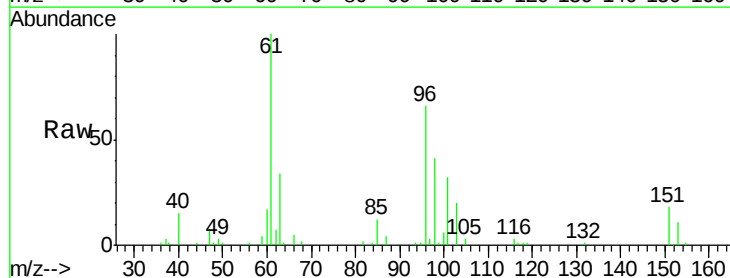
Tot Ion: 59 Resp: 32392
Ion Ratio Lower Upper
59 100
57 7.9 7.1 10.7

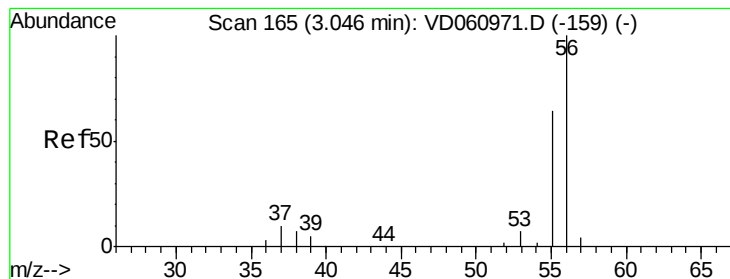


#12

1,1-Dichloroethene
Concen: 20.659 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.01 min
Lab File: VD061226.D
Acq: 21 Mar 2019 1:25

Tgt Ion: 96 Resp: 116276
Ion Ratio Lower Upper
96 100
61 151.7 127.1 190.7
98 62.8 51.5 77.3





#13

Acrolein

Concen: 63.687 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD061226.D

Acq: 21 Mar 2019 1:25

Instrument :

MSVOA_D

ClientSampleId :

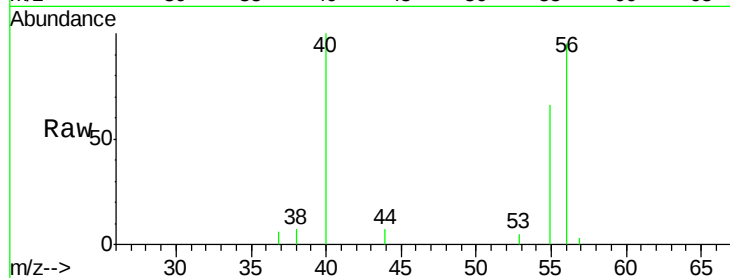
VD0320SBS02

Tot Ion: 56 Resp: 27380

Ion Ratio Lower Upper

56 100

55 69.6 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

12000

10000

8000

6000

4000

2000

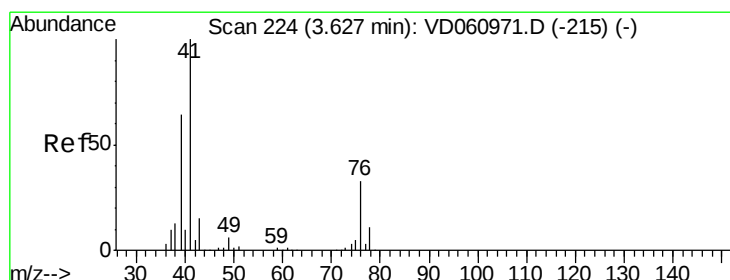
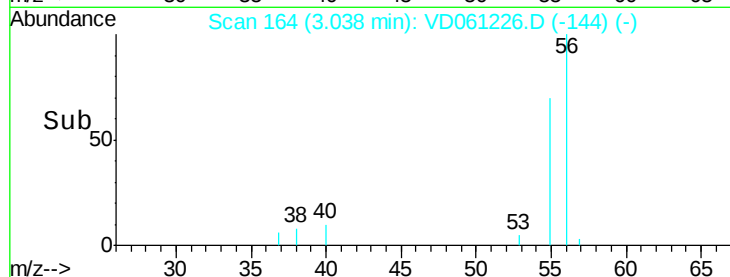
0

Time-->

3.00

3.10

3.20



#14

Allyl chloride

Concen: 20.601 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD061226.D

Acq: 21 Mar 2019 1:25

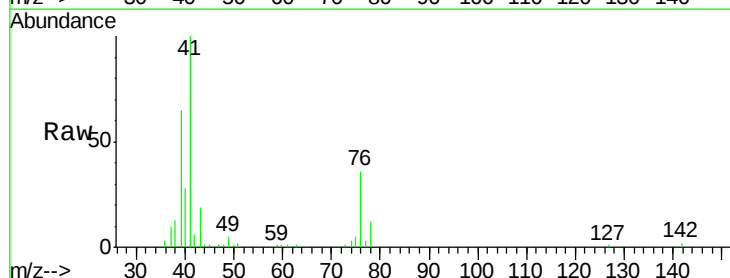
Tgt Ion: 41 Resp: 185521

Ion Ratio Lower Upper

41 100

39 64.9 51.1 76.7

76 36.0 29.1 43.7



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

80000

60000

40000

20000

0

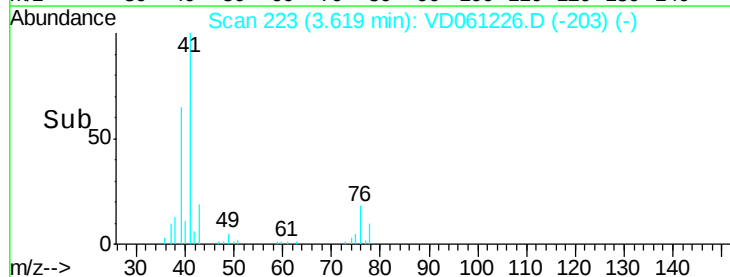
Time-->

3.50

3.60

3.70

3.80





#15

Acrylonitrile

Concen: 128.131 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD061226.D

Acq: 21 Mar 2019 1:25

Instrument :

MSVOA_D

ClientSampleId :

VD0320SBS02

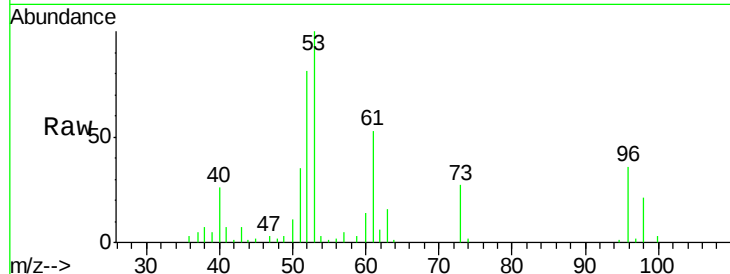
Tot Ion: 53 Resp: 134556

Ion Ratio Lower Upper

53 100

52 81.1 70.2 105.4

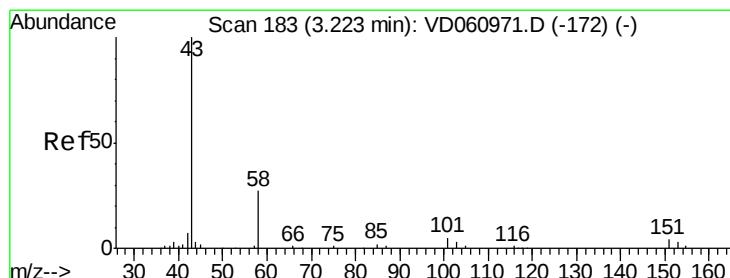
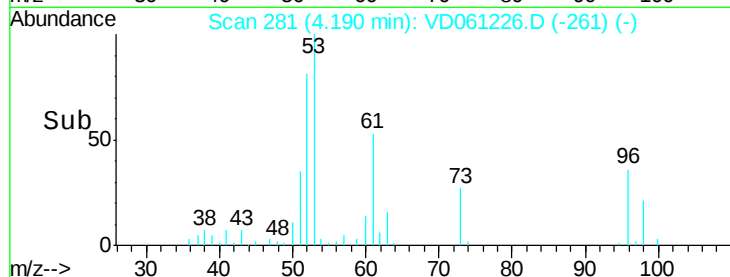
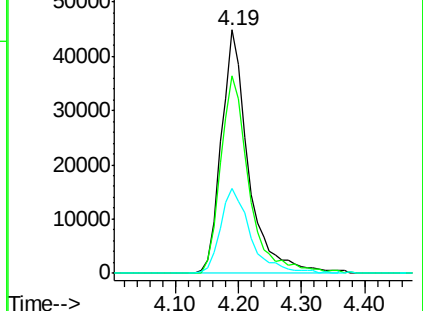
51 34.7 31.7 47.5



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 93.659 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD061226.D

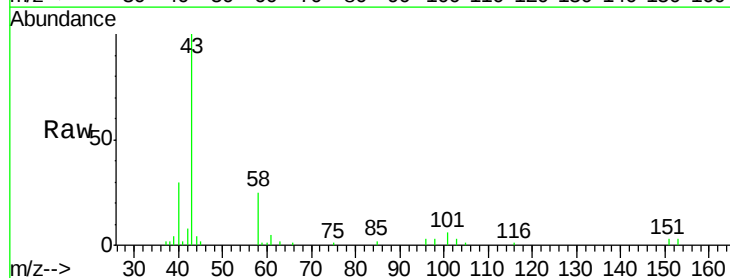
Acq: 21 Mar 2019 1:25

Tgt Ion: 43 Resp: 125001

Ion Ratio Lower Upper

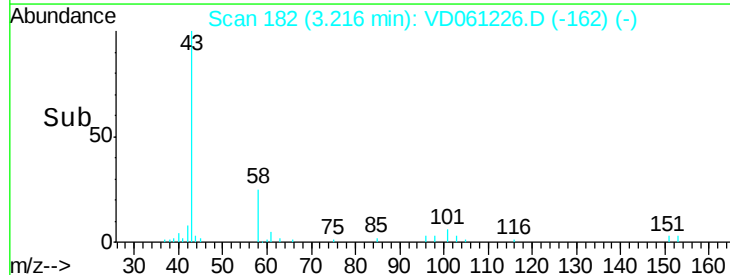
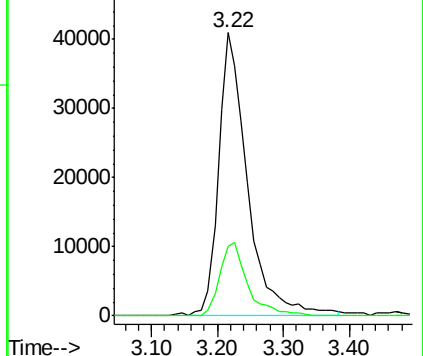
43 100

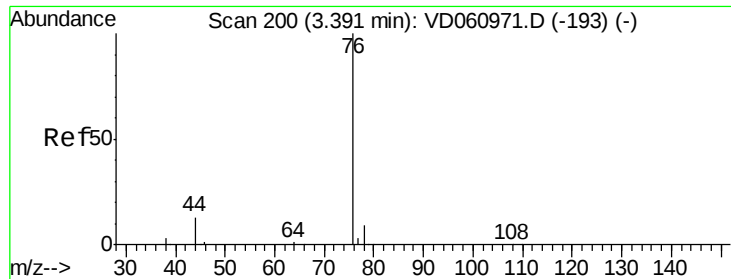
58 24.7 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

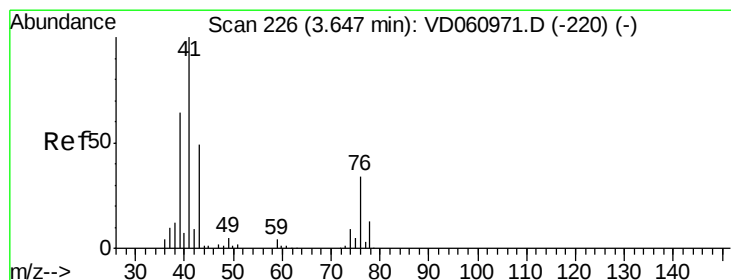
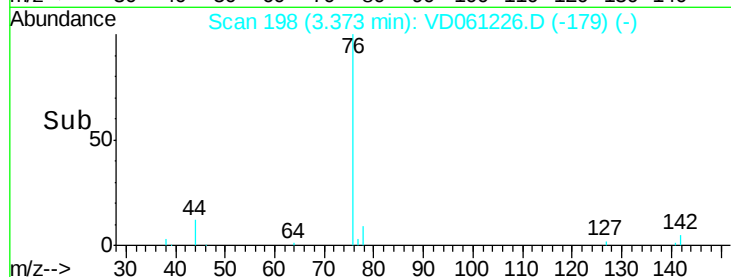
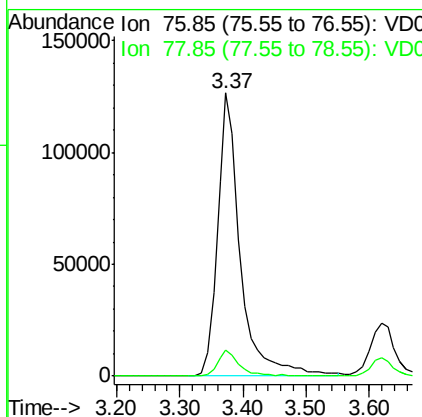
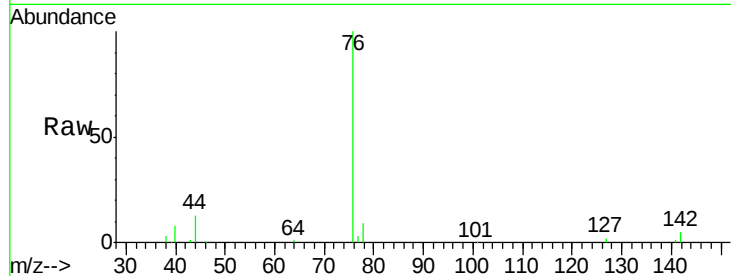




#17
Carbon Disulfide
Concen: 16.798 ug/l
RT: 3.37 min Scan# 198
Delta R.T. -0.02 min
Lab File: VD061226.D
Acq: 21 Mar 2019 1:25

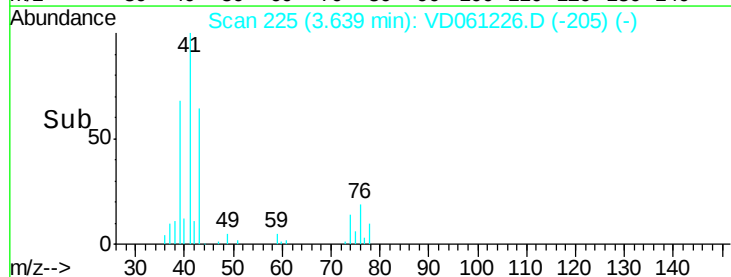
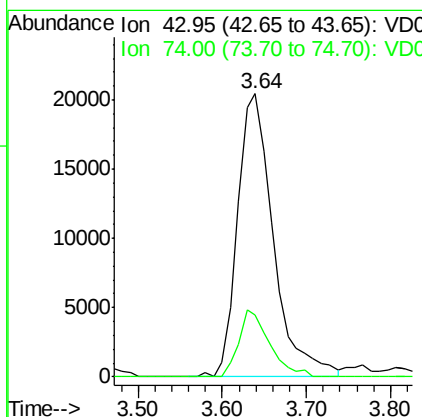
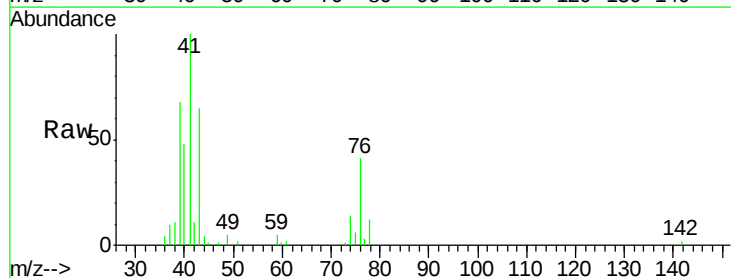
Instrument :
MSVOA_D
ClientSampleId :
VD0320SBSD02

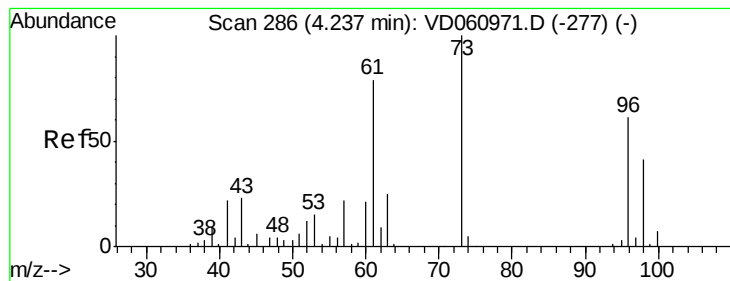
Tot Ion: 76 Resp: 318932
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2



#18
Methyl Acetate
Concen: 23.125 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD061226.D
Acq: 21 Mar 2019 1:25

Tgt Ion: 43 Resp: 60739
Ion Ratio Lower Upper
43 100
74 21.9 14.6 21.8#



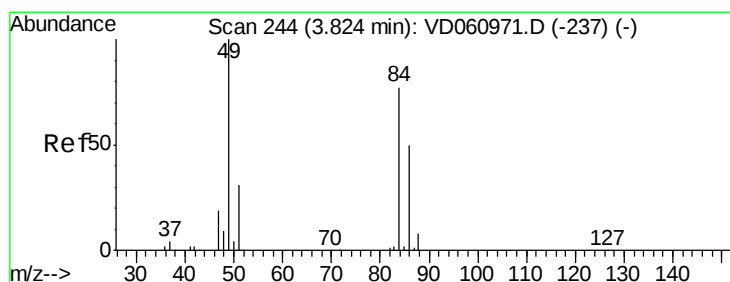
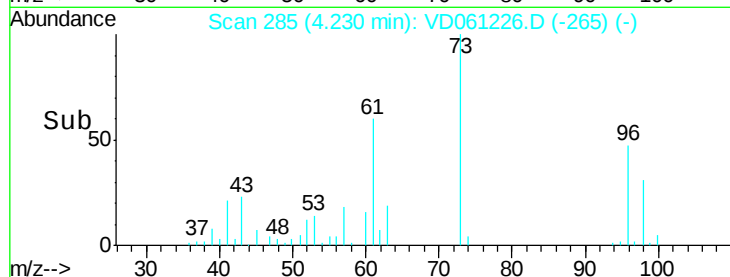
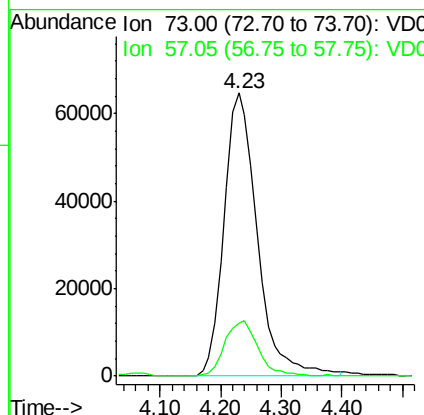
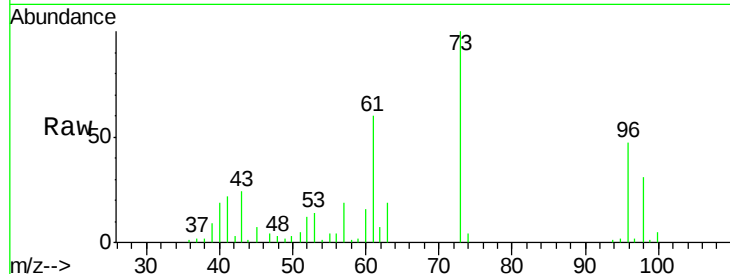


#19

Methyl tert-butyl Ether
 Concen: 25.024 ug/l
 RT: 4.23 min Scan# 285
 Delta R.T. -0.01 min
 Lab File: VD061226.D
 Acq: 21 Mar 2019 1:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320SBS02

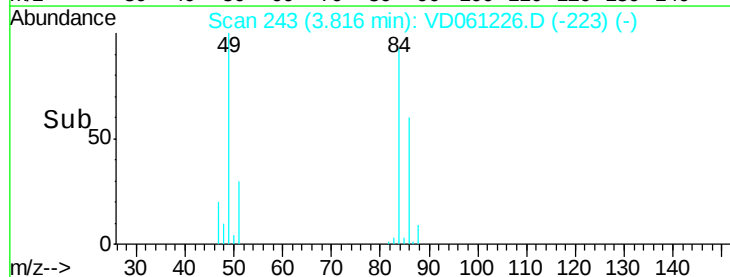
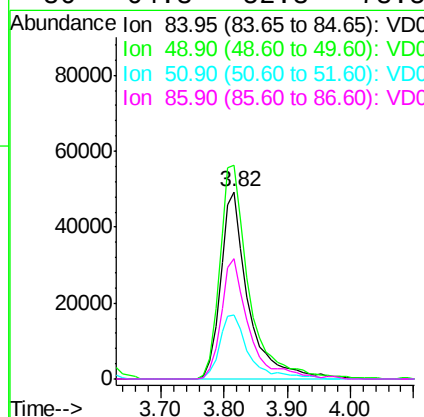
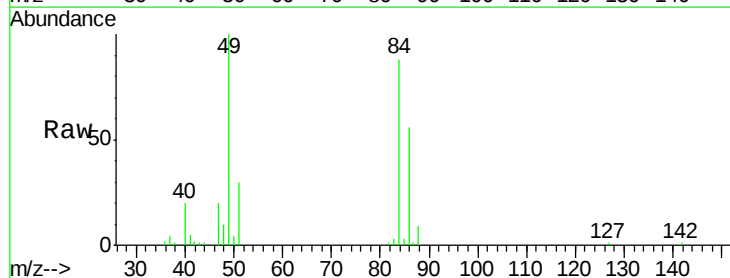
Tot Ion: 73 Resp: 246835
 Ion Ratio Lower Upper
 73 100
 57 18.8 17.7 26.5

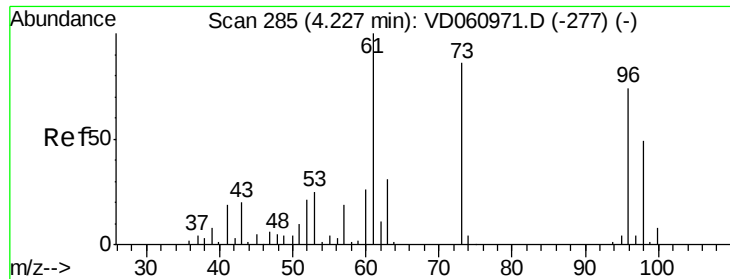


#20

Methylene Chloride
 Concen: 22.033 ug/l
 RT: 3.82 min Scan# 243
 Delta R.T. -0.01 min
 Lab File: VD061226.D
 Acq: 21 Mar 2019 1:25

Tgt Ion: 84 Resp: 149953
 Ion Ratio Lower Upper
 84 100
 49 114.3 104.2 156.2
 51 34.1 32.3 48.5
 86 64.3 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 22.175 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.02 min

Lab File: VD061226.D

Acq: 21 Mar 2019 1:25

Instrument :

MSVOA_D

ClientSampleId :

VD0320SBS02

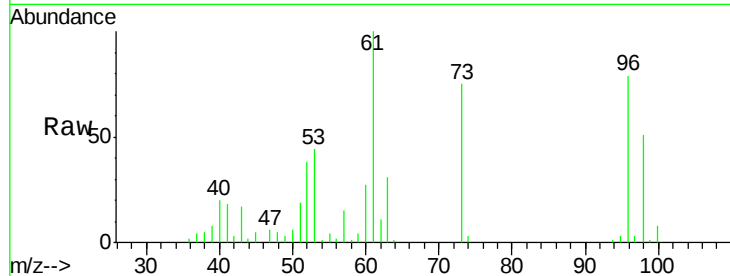
Tot Ion: 96 Resp: 135091

Ion Ratio Lower Upper

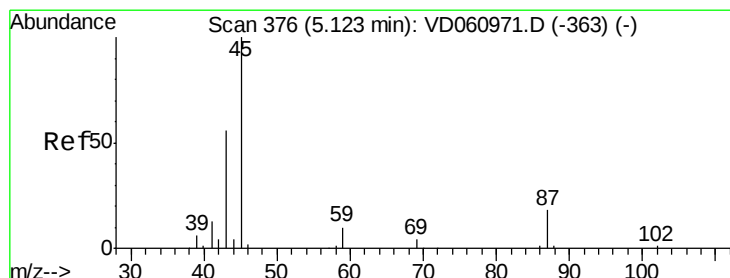
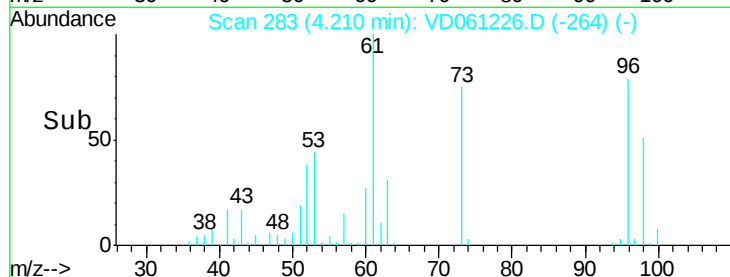
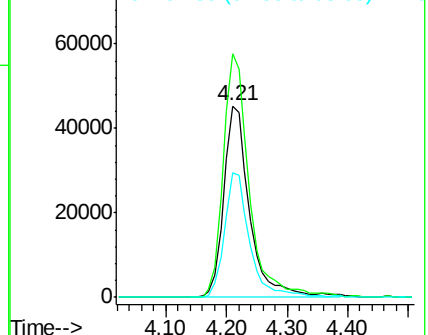
96 100

61 127.2 108.4 162.6

98 64.8 53.0 79.4



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



#22

Diisopropyl ether

Concen: 21.788 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.02 min

Lab File: VD061226.D

Acq: 21 Mar 2019 1:25

Tgt Ion: 45 Resp: 407318

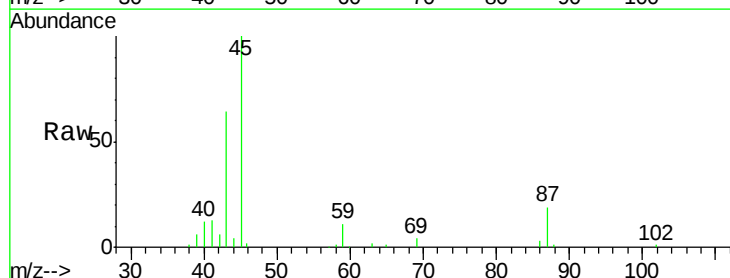
Ion Ratio Lower Upper

45 100

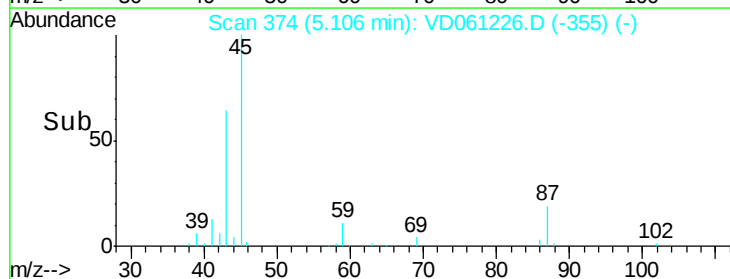
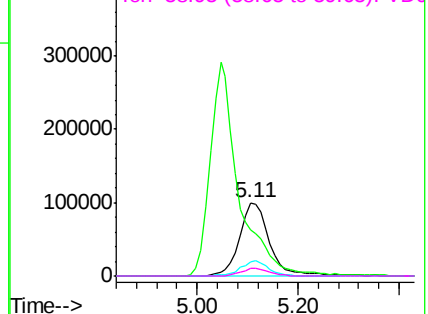
43 63.6 45.8 68.8

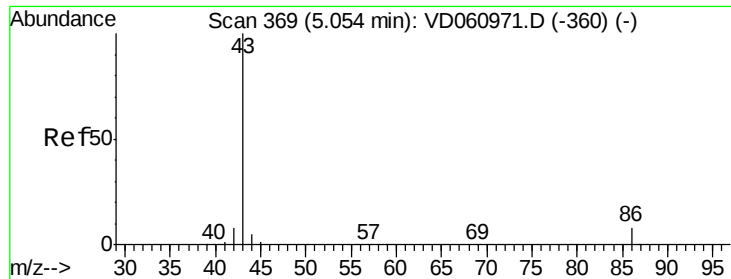
87 19.4 14.9 22.3

59 10.8 8.0 12.0



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





#23

Vinyl Acetate

Concen: 119.243 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD061226.D

Acq: 21 Mar 2019 1:25

Instrument :

MSVOA_D

ClientSampleId :

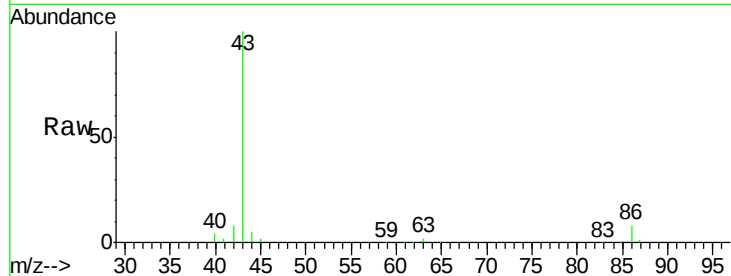
VD0320SBS02

Tot Ion: 43 Resp: 1144332

Ion Ratio Lower Upper

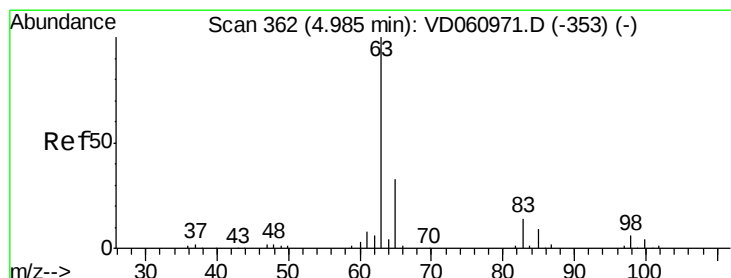
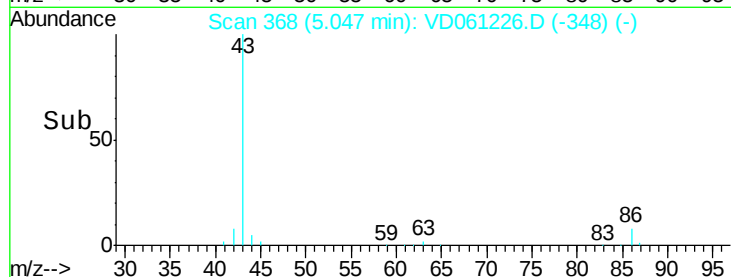
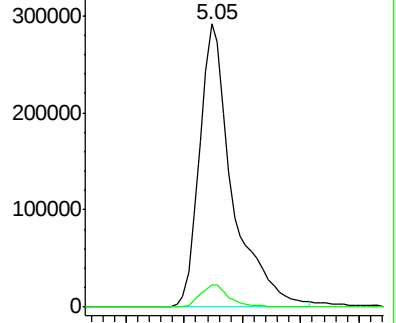
43 100

86 8.1 6.2 9.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.920 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD061226.D

Acq: 21 Mar 2019 1:25

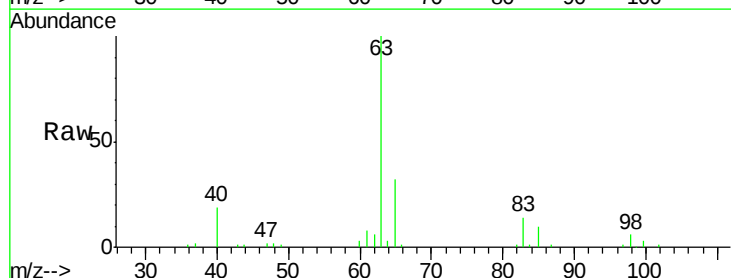
Tgt Ion: 63 Resp: 224518

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

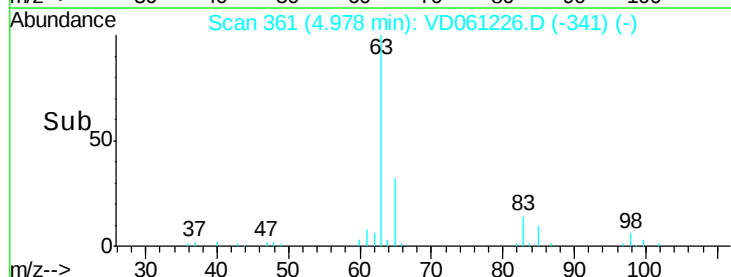
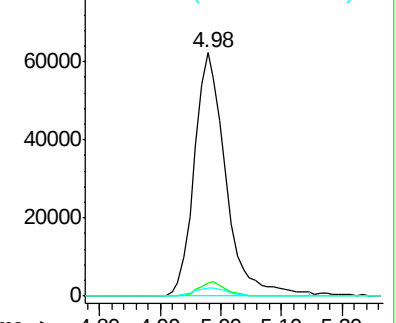
100 3.3 2.0 5.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 115.322 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD061226.D

Acq: 21 Mar 2019 1:25

Instrument :

MSVOA_D

ClientSampleId :

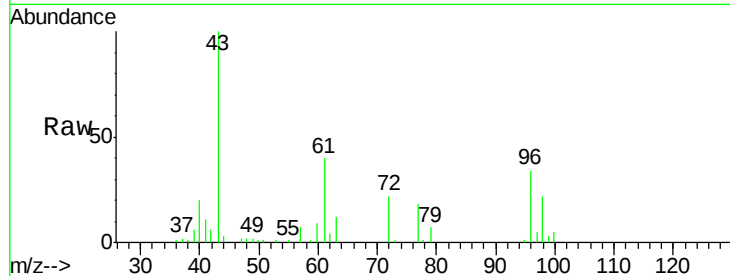
VD0320SBSD02

Tot Ion: 43 Resp: 174650

Ion Ratio Lower Upper

43 100

72 21.7 16.7 25.1

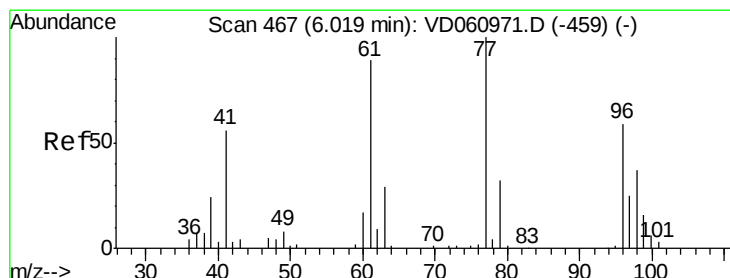
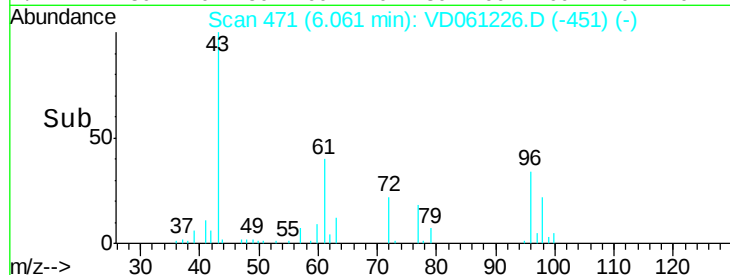


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.06

Time-->



#26

2,2-Dichloropropane

Concen: 20.599 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD061226.D

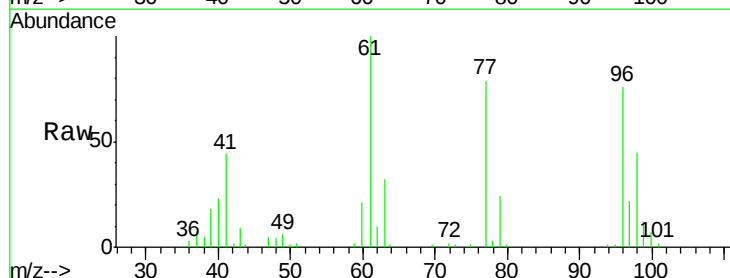
Acq: 21 Mar 2019 1:25

Tgt Ion: 77 Resp: 164706

Ion Ratio Lower Upper

77 100

97 28.1 12.6 37.6

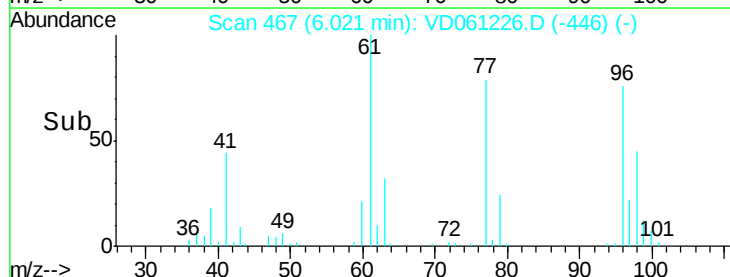


Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.02

Time-->



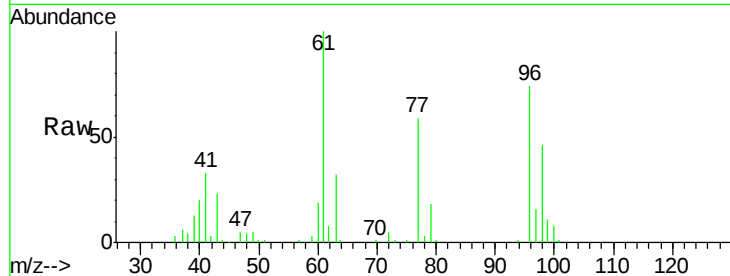


#27

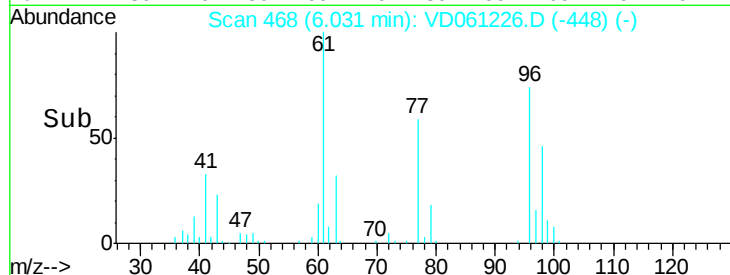
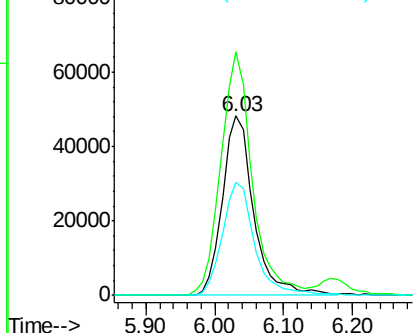
cis-1,2-Dichloroethene
Concen: 23.524 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD061226.D
Acq: 21 Mar 2019 1:25

Instrument :
MSVOA_D
ClientSampleId :
VD0320SBSD02

Tot Ion: 96 Resp: 152050
Ion Ratio Lower Upper
96 100
61 136.0 0.0 273.6
98 62.9 0.0 132.6



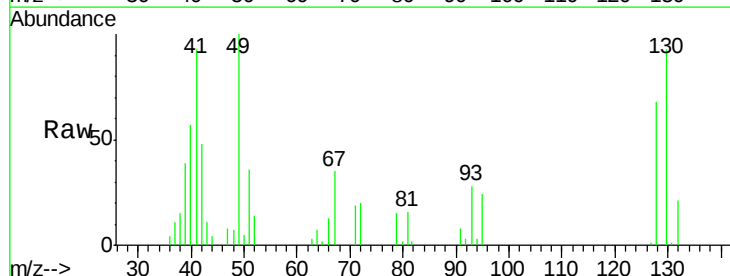
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



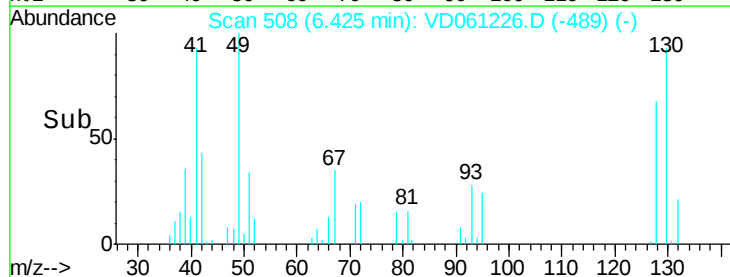
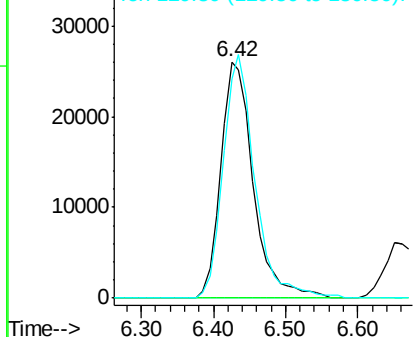
#28

Bromochloromethane
Concen: 18.678 ug/l
RT: 6.42 min Scan# 508
Delta R.T. -0.02 min
Lab File: VD061226.D
Acq: 21 Mar 2019 1:25

Tgt Ion: 49 Resp: 80990
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 92.9 73.8 110.8



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: 111.277 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD061226.D

Acq: 21 Mar 2019 1:25

Instrument :

MSVOA_D

ClientSampleId :

VD0320SBS02

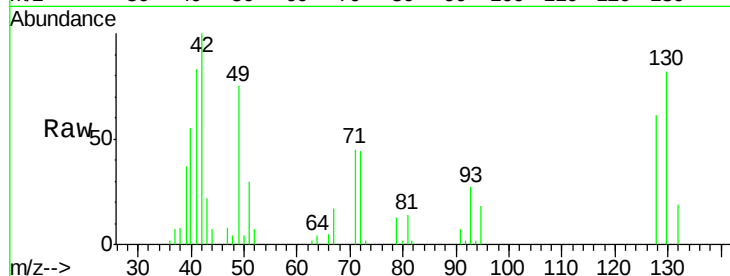
Tot Ion: 42 Resp: 91508

Ion Ratio Lower Upper

42 100

72 45.1 34.5 51.7

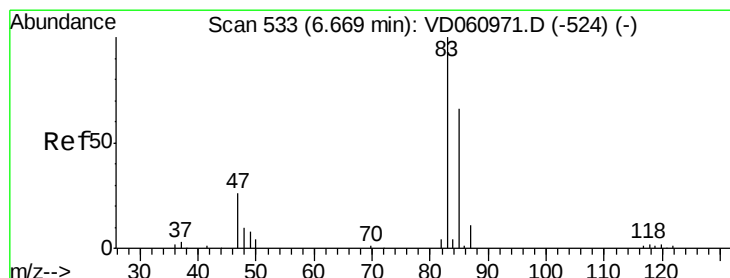
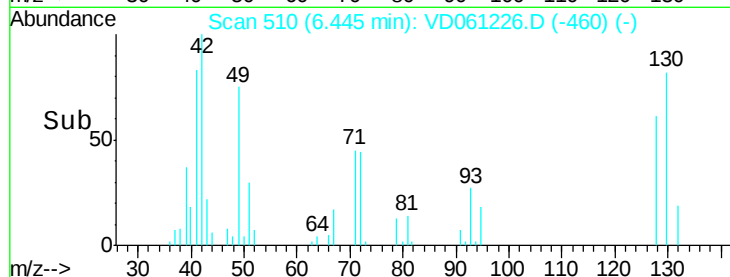
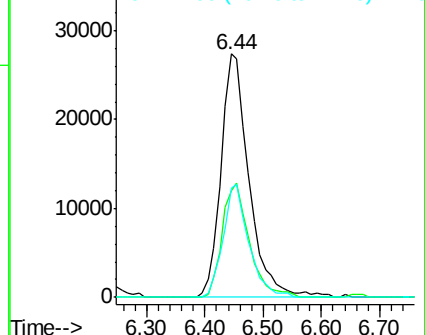
71 42.5 33.8 50.6



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 21.470 ug/l

RT: 6.66 min Scan# 532

Delta R.T. -0.01 min

Lab File: VD061226.D

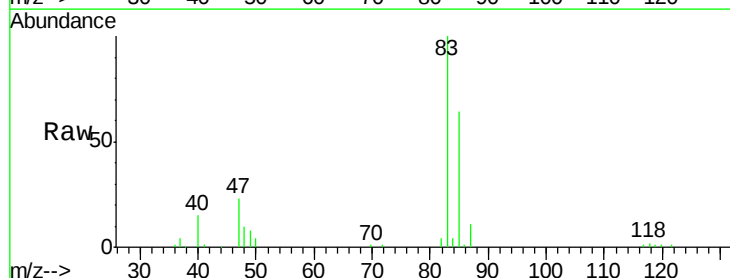
Acq: 21 Mar 2019 1:25

Tgt Ion: 83 Resp: 227922

Ion Ratio Lower Upper

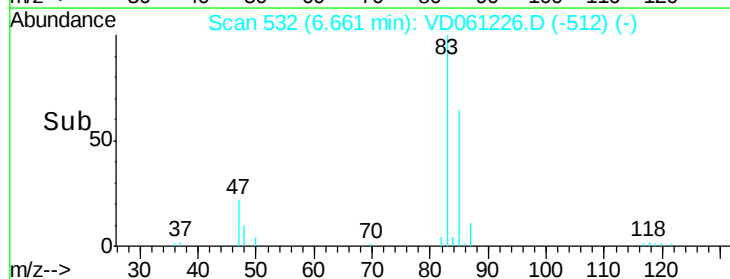
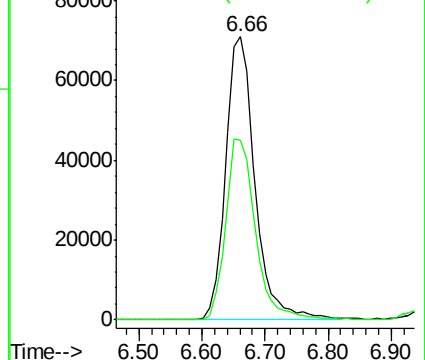
83 100

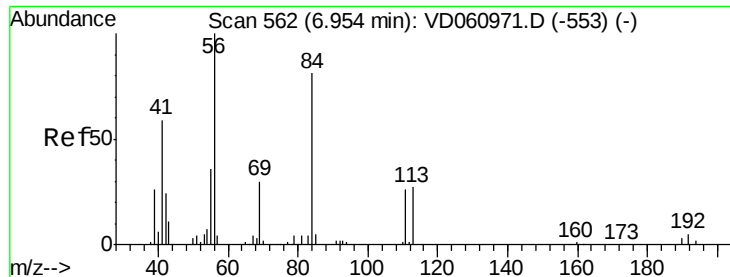
85 63.6 53.0 79.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

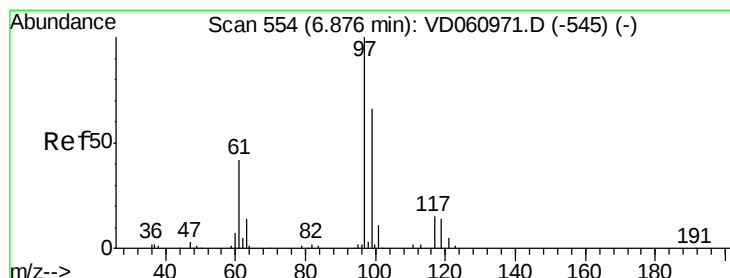
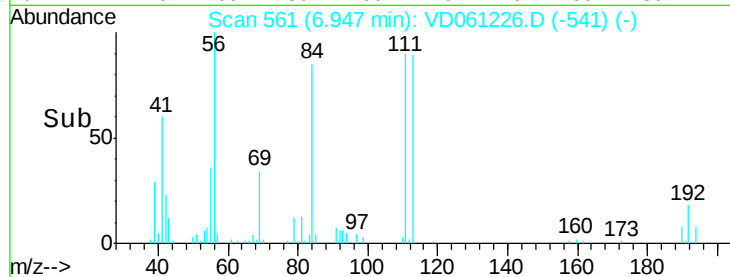
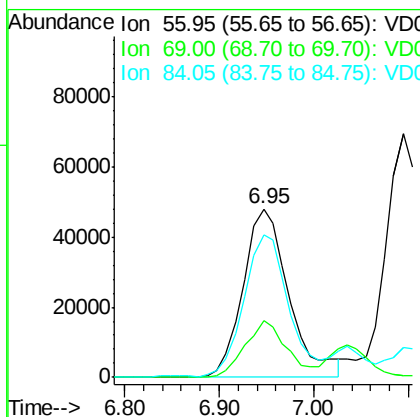
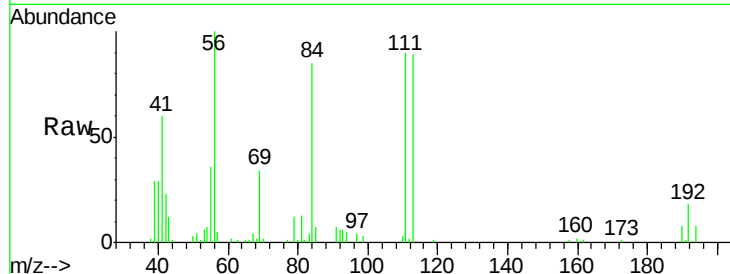




#31
Cyclohexane
Concen: 19.499 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD061226.D
Acq: 21 Mar 2019 1:25

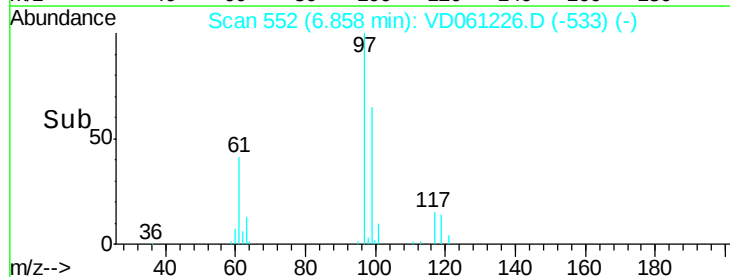
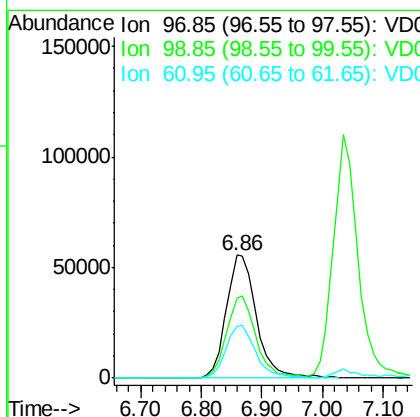
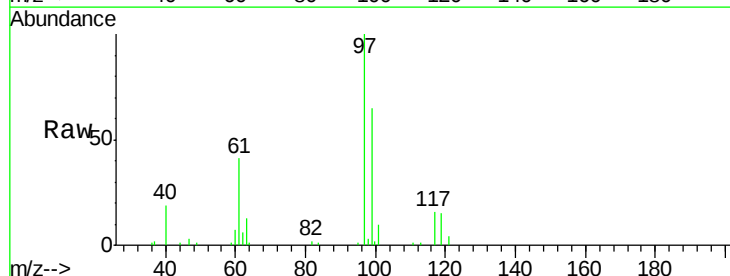
Instrument :
MSVOA_D
ClientSampleId :
VD0320SBSD02

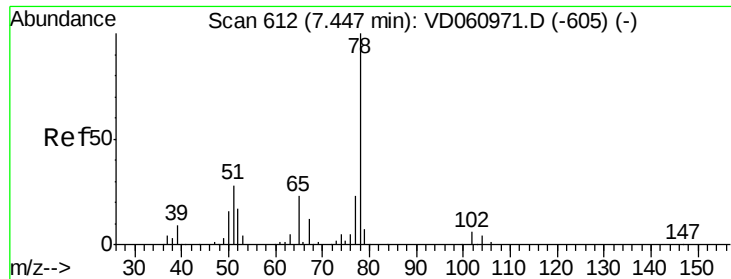
Tot Ion: 56 Resp: 161040
Ion Ratio Lower Upper
56 100
69 33.9 24.0 36.0
84 85.1 65.8 98.6



#32
1,1,1-Trichloroethane
Concen: 20.938 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.02 min
Lab File: VD061226.D
Acq: 21 Mar 2019 1:25

Tgt Ion: 97 Resp: 192161
Ion Ratio Lower Upper
97 100
99 64.8 53.2 79.8
61 41.4 33.8 50.8

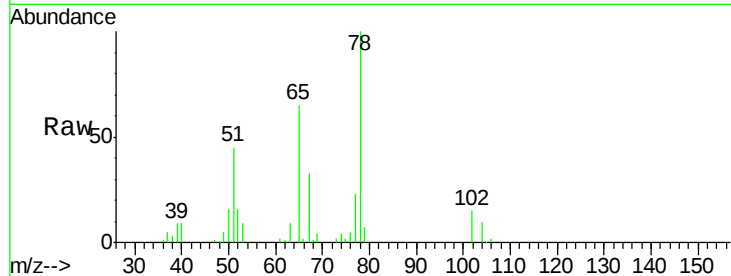




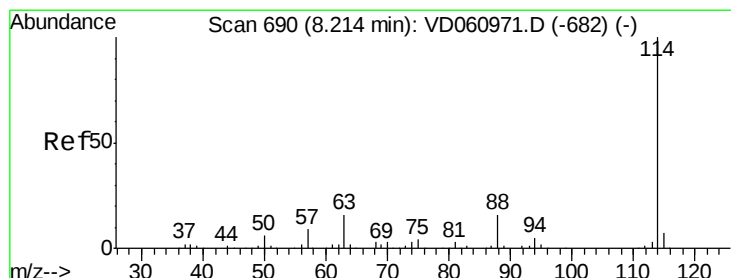
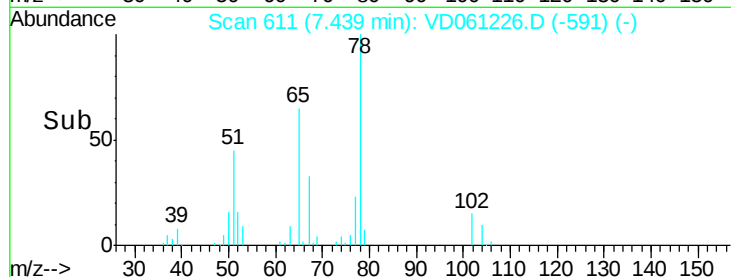
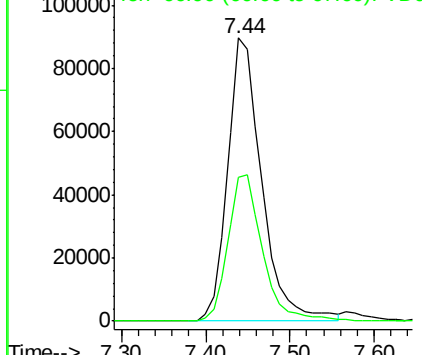
#33
 1,2-Dichloroethane-d4
 Concen: 20.938 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VD061226.D
 Acq: 21 Mar 2019 1:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320SBSD02

Tot Ion: 65 Resp: 252830
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 105.2

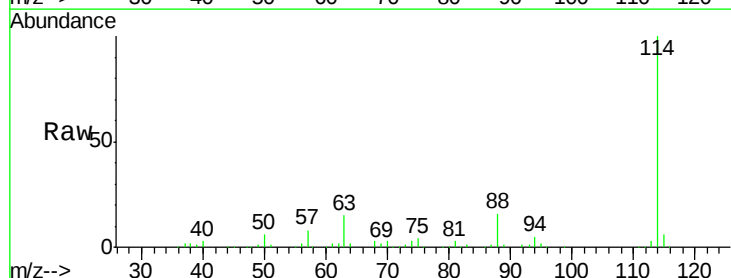


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

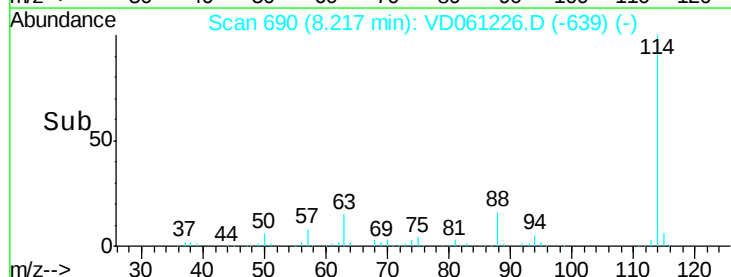
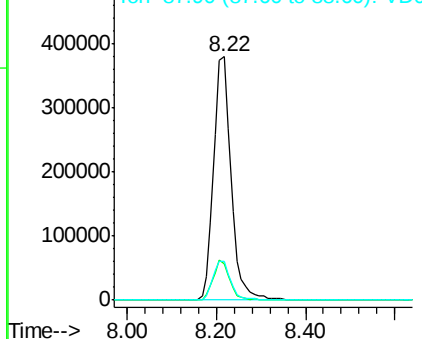


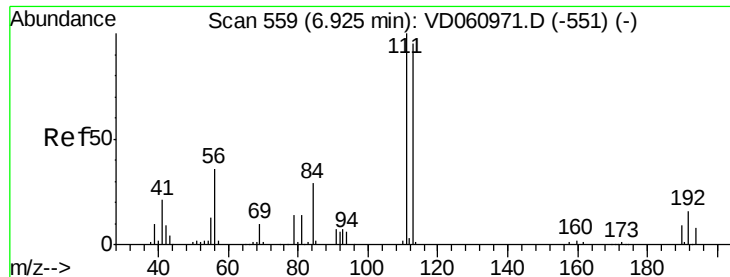
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VD061226.D
 Acq: 21 Mar 2019 1:25

Tgt Ion: 114 Resp: 1036443
 Ion Ratio Lower Upper
 114 100
 63 14.9 0.0 31.4
 88 16.0 0.0 33.0



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

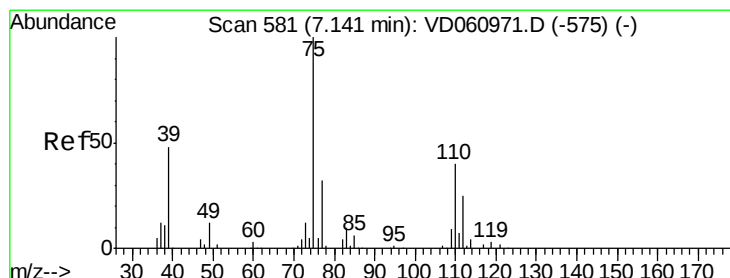
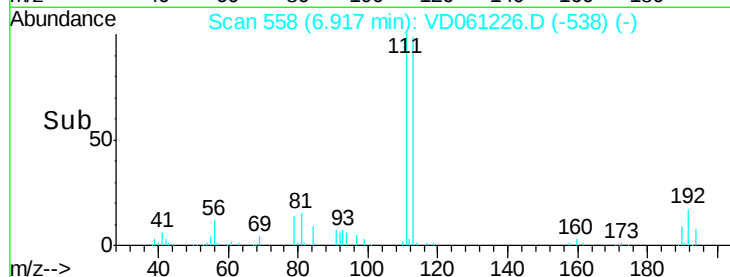
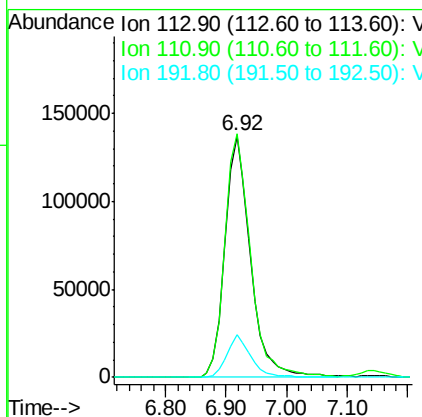
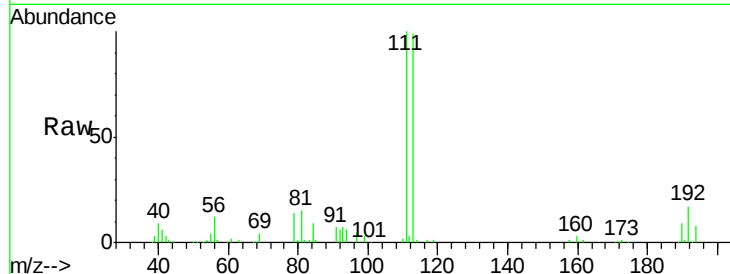




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD061226.D
 Acq: 21 Mar 2019 1:25

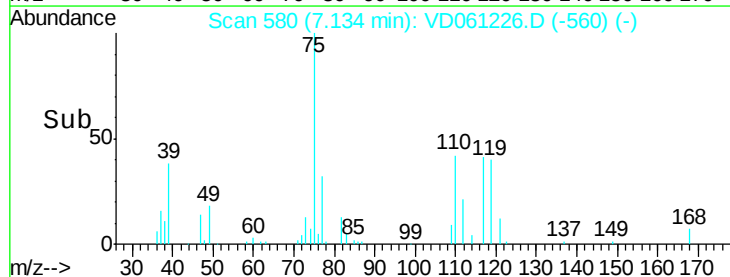
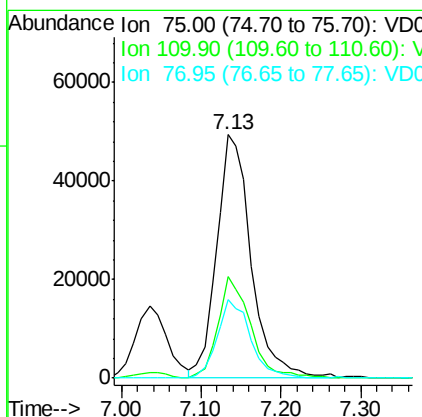
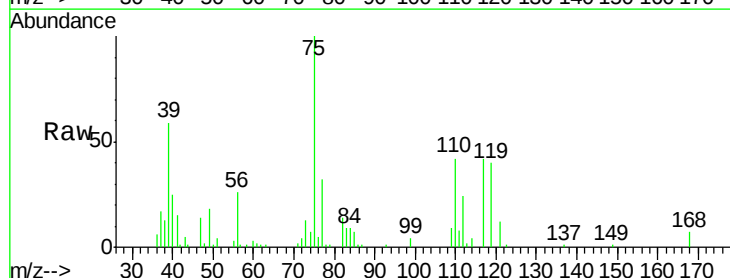
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320SBSD02

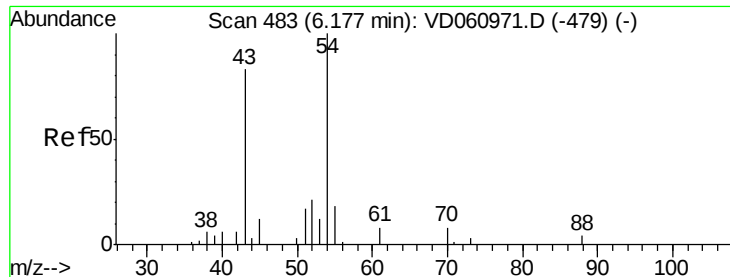
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.9	84.2	126.4
192	17.5	13.1	19.7



#36
 1,1-Dichloropropene
 Concen: 16.831 ug/l
 RT: 7.13 min Scan# 580
 Delta R.T. -0.01 min
 Lab File: VD061226.D
 Acq: 21 Mar 2019 1:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	41.5	19.7	59.1
77	32.3	24.7	37.1

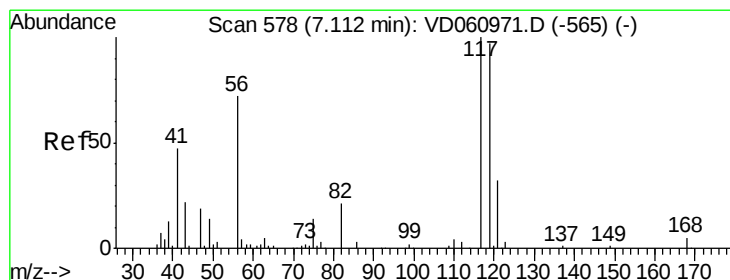
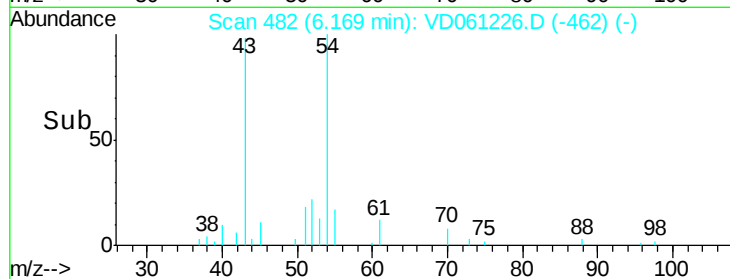
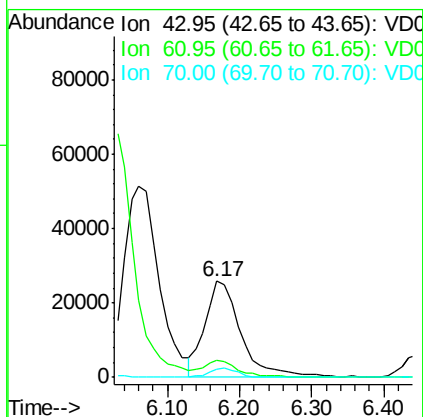
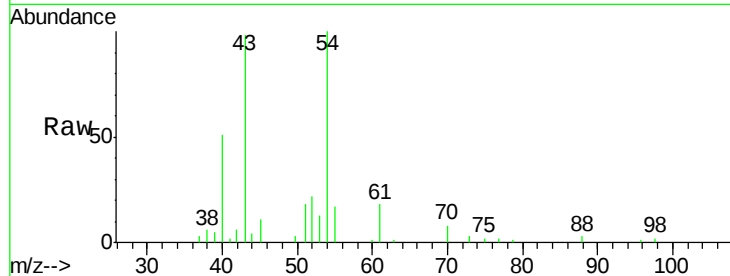




#37
Ethyl Acetate
Concen: 21.425 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.01 min
Lab File: VD061226.D
Acq: 21 Mar 2019 1:25

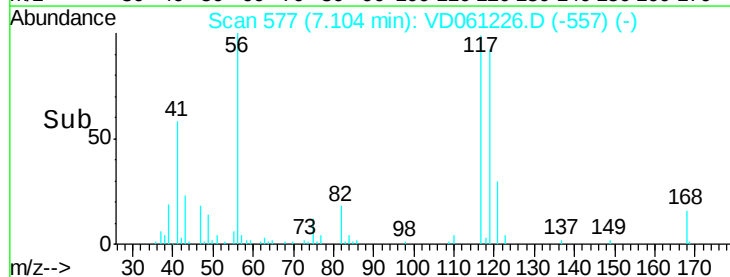
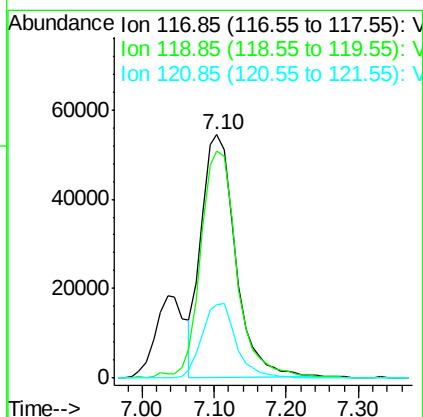
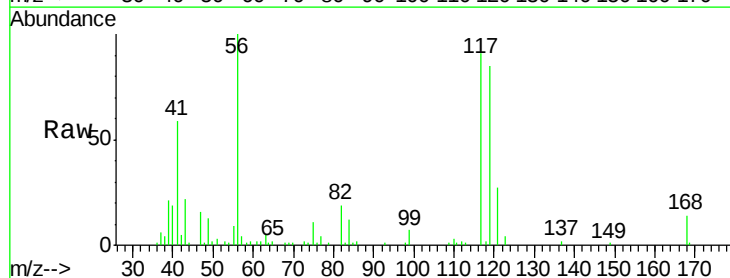
Instrument :
MSVOA_D
ClientSampleID :
VD0320SBS02

Tot Ion: 43 Resp: 89824
Ion Ratio Lower Upper
43 100
61 18.2 13.7 20.5
70 8.0 7.1 10.7



#38
Carbon Tetrachloride
Concen: 18.151 ug/l
RT: 7.10 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD061226.D
Acq: 21 Mar 2019 1:25

Tgt Ion: 117 Resp: 178621
Ion Ratio Lower Upper
117 100
119 93.2 77.8 116.8
121 30.1 25.3 37.9





#39

Methvlcvclohexane

Concen: 18.135 ug/l

RT: 8.86 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD061226.D

Acq: 21 Mar 2019 1:25

Instrument :

MSVOA_D

ClientSampleId :

VD0320SBSD02

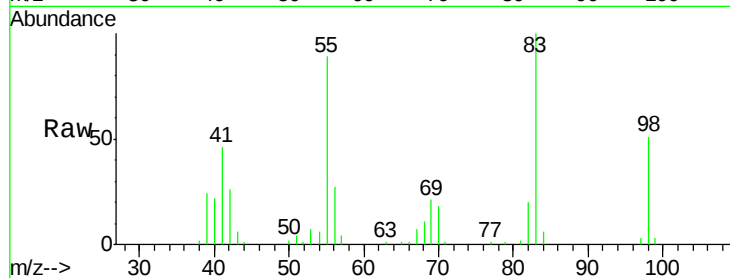
Tot Ion: 83 Resp: 167999

Ion Ratio Lower Upper

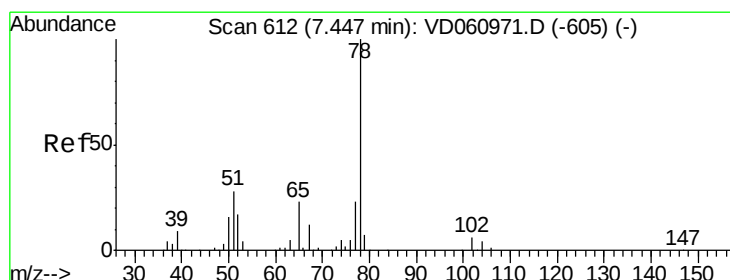
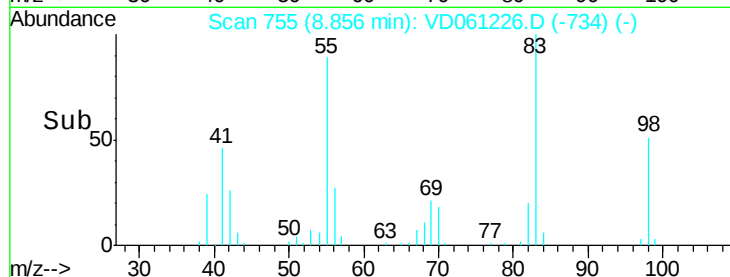
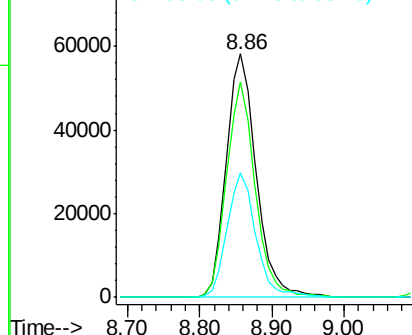
83 100

55 88.7 69.6 104.4

98 51.4 40.0 60.0



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: 18.647 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD061226.D

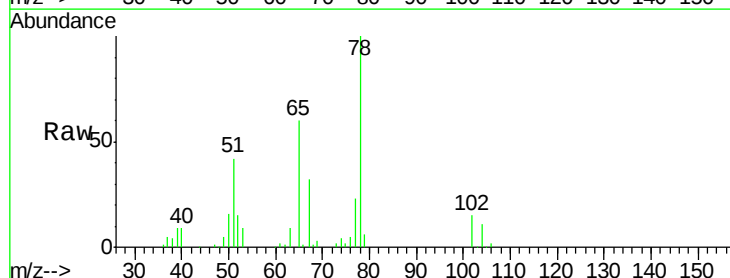
Acq: 21 Mar 2019 1:25

Tgt Ion: 78 Resp: 416269

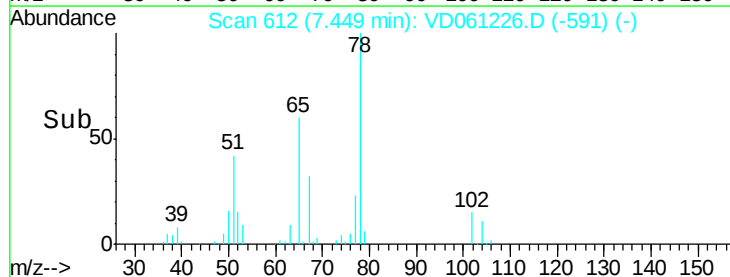
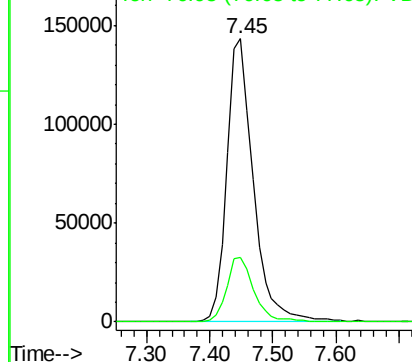
Ion Ratio Lower Upper

78 100

77 22.9 18.8 28.2



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

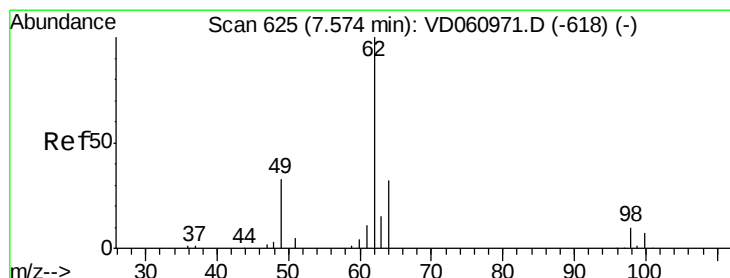
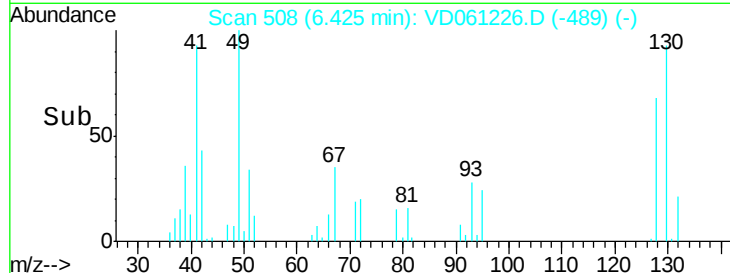
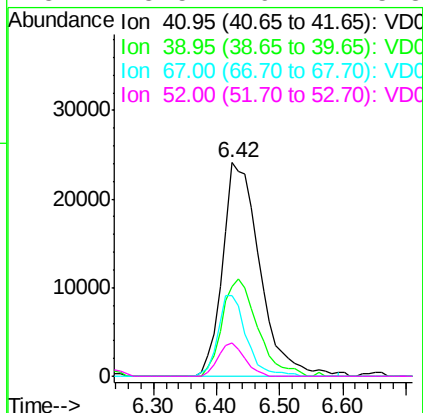
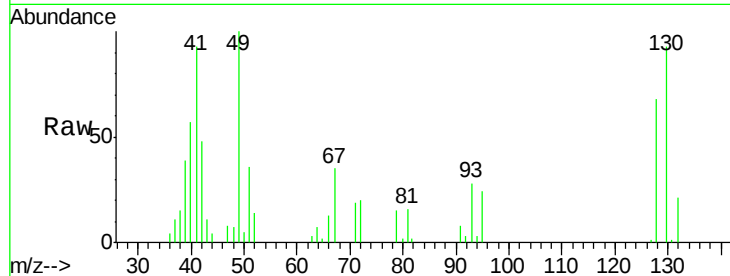




#41
Methacrylonitrile
Concen: 20.482 ug/l
RT: 6.42 min Scan# 508
Delta R.T. -0.02 min
Lab File: VD061226.D
Acq: 21 Mar 2019 1:25

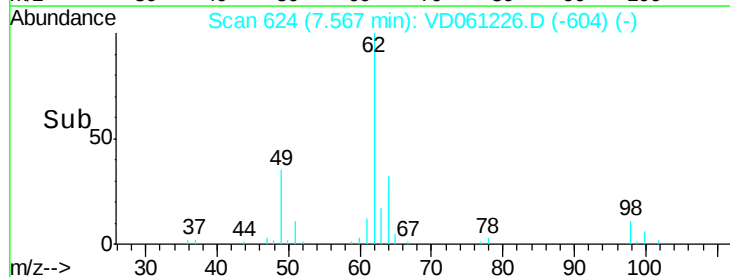
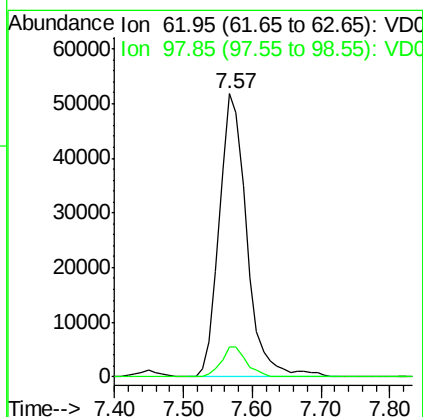
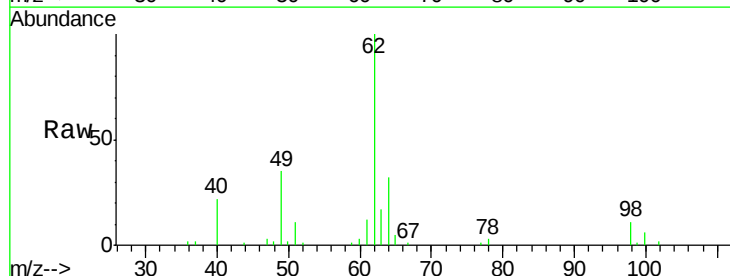
Instrument :
MSVOA_D
ClientSampleId :
VD0320SBSD02

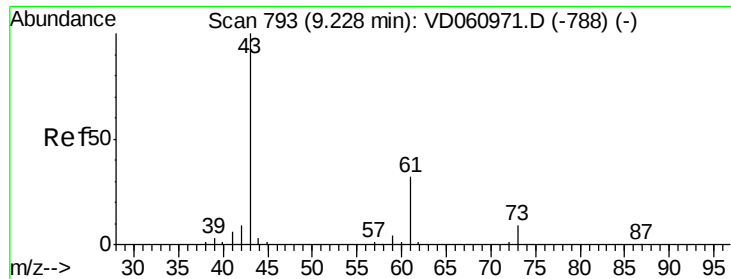
Tot Ion: 41 Resp: 98768
Ion Ratio Lower Upper
41 100
39 41.7 35.7 53.5
67 38.0 23.0 34.6#
52 15.5 9.2 13.8#



#42
1,2-Dichloroethane
Concen: 22.069 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.01 min
Lab File: VD061226.D
Acq: 21 Mar 2019 1:25

Tgt Ion: 62 Resp: 142968
Ion Ratio Lower Upper
62 100
98 10.6 0.0 20.4



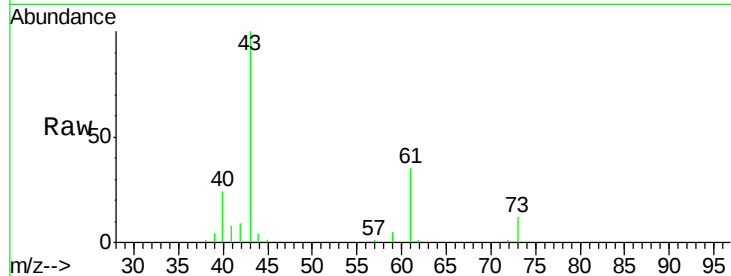


#43

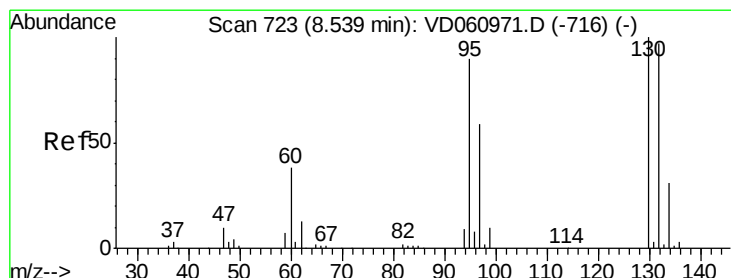
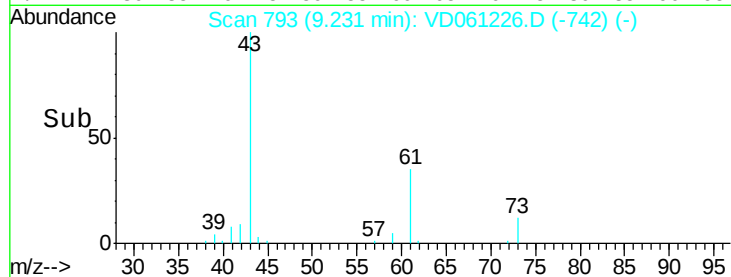
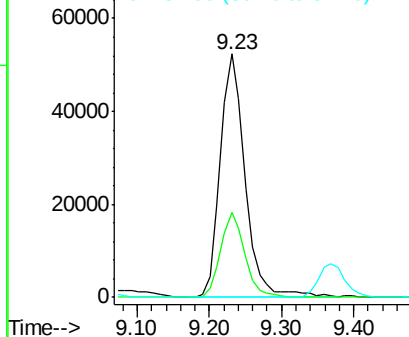
Isopropyl Acetate
 Concen: 21.565 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VD061226.D
 Acq: 21 Mar 2019 1:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320SBS02

Tot Ion: 43 Resp: 125220
 Ion Ratio Lower Upper
 43 100
 61 34.9 25.6 38.4
 87 0.0 0.2 0.4#



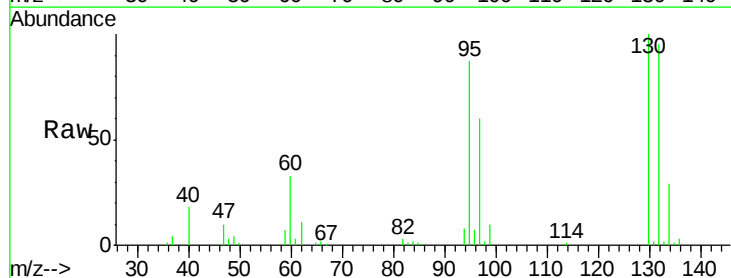
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



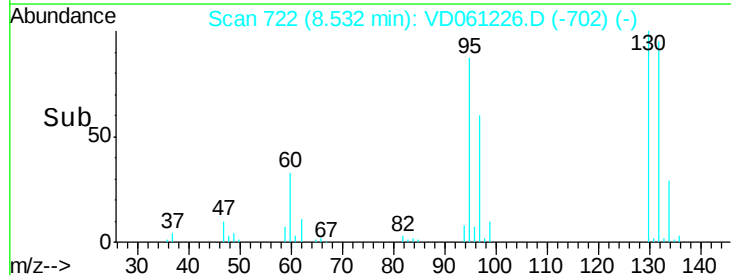
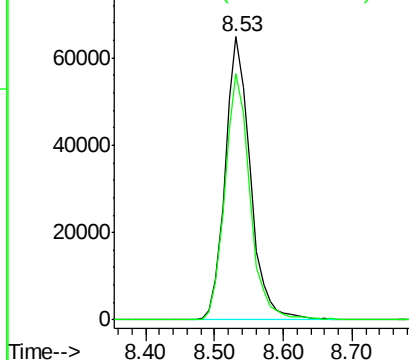
#44

Trichloroethene
 Concen: 21.179 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: VD061226.D
 Acq: 21 Mar 2019 1:25

Tgt Ion: 130 Resp: 163108
 Ion Ratio Lower Upper
 130 100
 95 87.1 0.0 179.4



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





#45

1,2-Dichloropropane

Concen: 20.198 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.00 min

Lab File: VD061226.D

Acq: 21 Mar 2019 1:25

Instrument :

MSVOA_D

ClientSampleId :

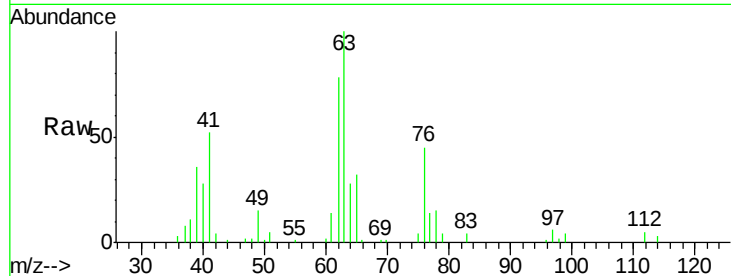
VD0320SBSD02

Tot Ion: 63 Resp: 118461

Ion Ratio Lower Upper

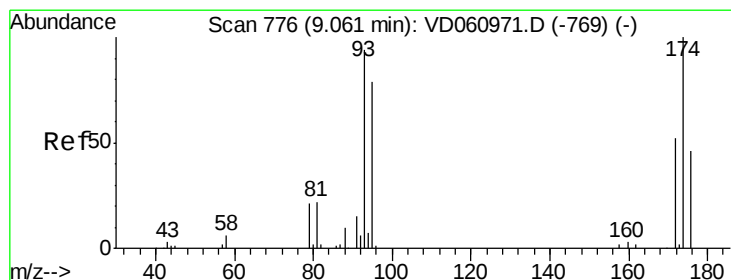
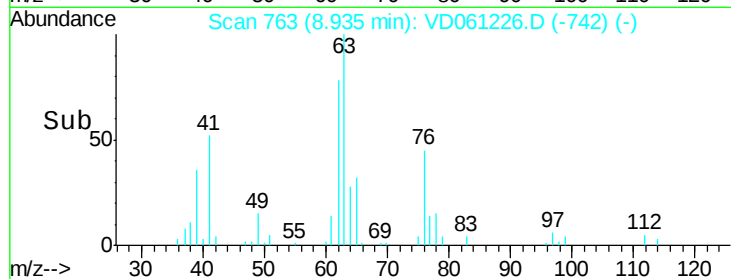
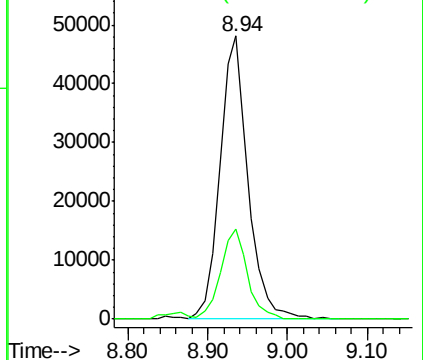
63 100

65 31.8 24.8 37.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.355 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD061226.D

Acq: 21 Mar 2019 1:25

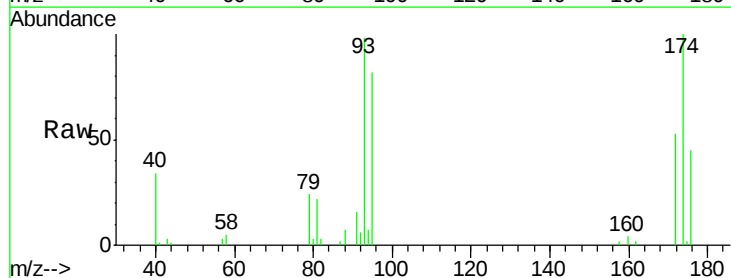
Tgt Ion: 93 Resp: 79448

Ion Ratio Lower Upper

93 100

95 83.7 67.4 101.0

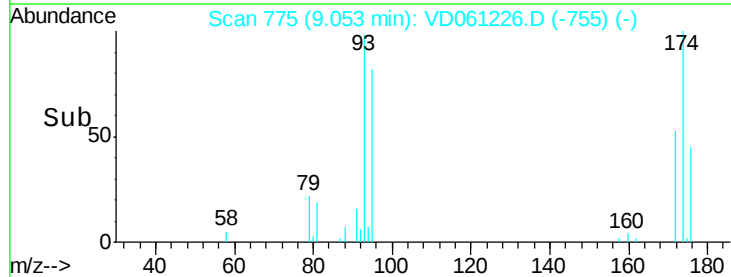
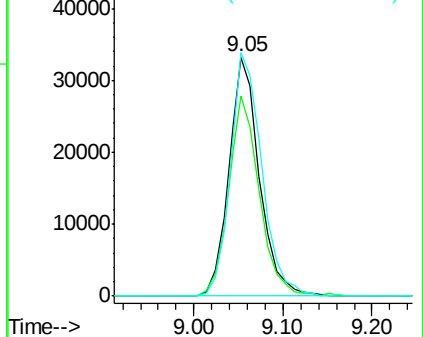
174 101.9 85.4 128.0



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.554 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD061226.D

Acq: 21 Mar 2019 1:25

Instrument :

MSVOA_D

ClientSampleId :

VD0320SBSD02

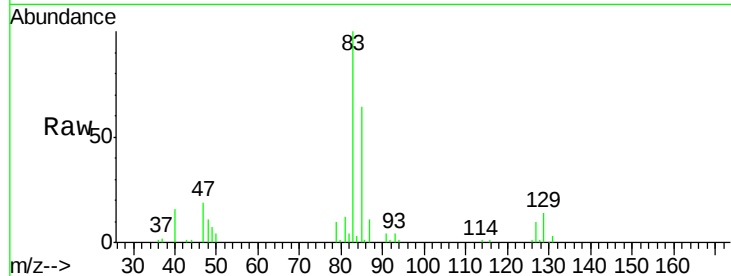
Tot Ion: 83 Resp: 172552

Ion Ratio Lower Upper

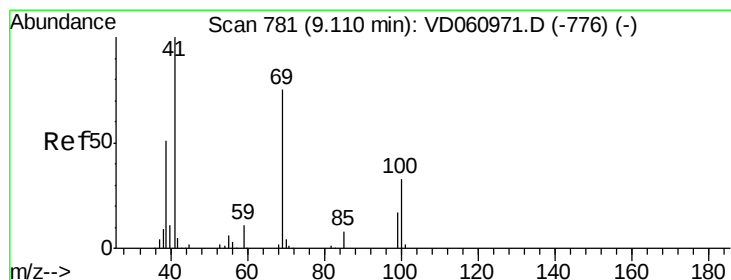
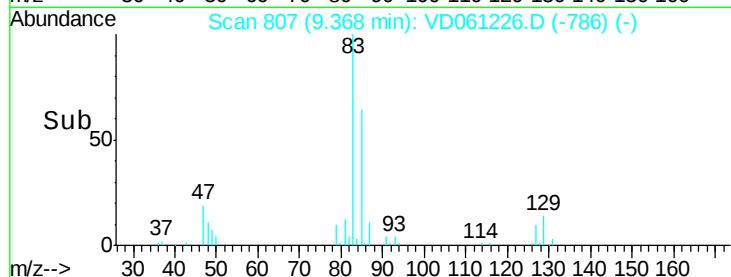
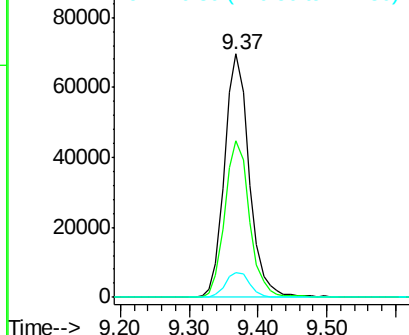
83 100

85 64.2 52.5 78.7

127 10.3 7.5 11.3



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: 20.518 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD061226.D

Acq: 21 Mar 2019 1:25

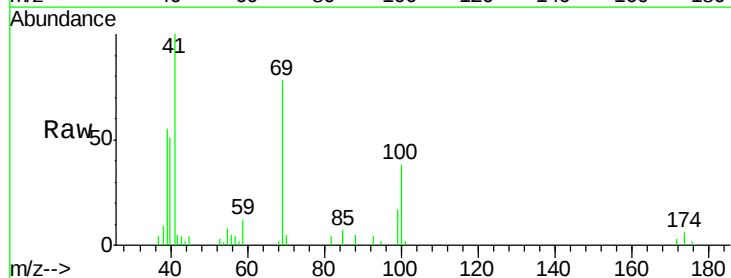
Tgt Ion: 41 Resp: 67081

Ion Ratio Lower Upper

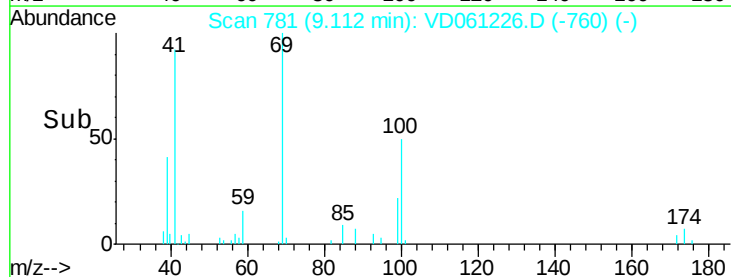
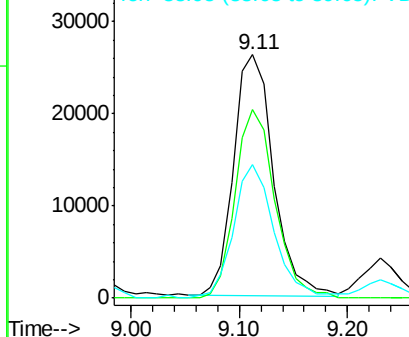
41 100

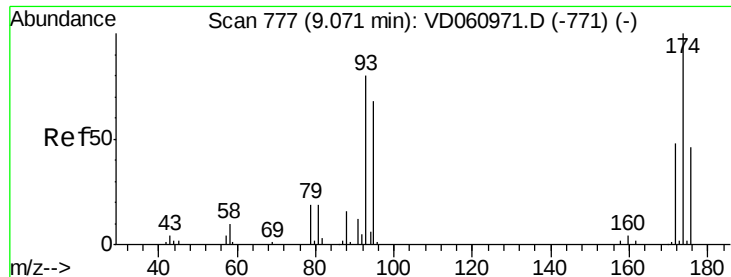
69 77.7 59.9 89.9

39 54.9 40.9 61.3



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

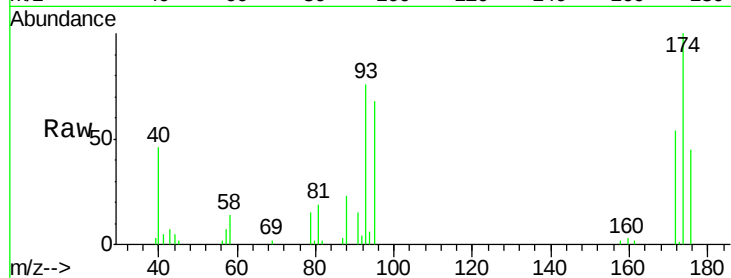




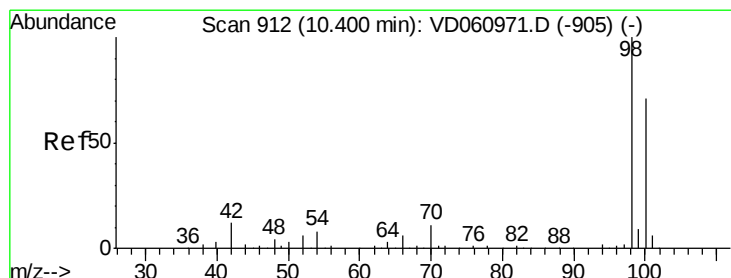
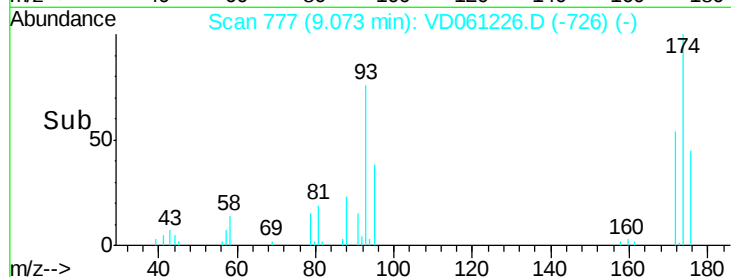
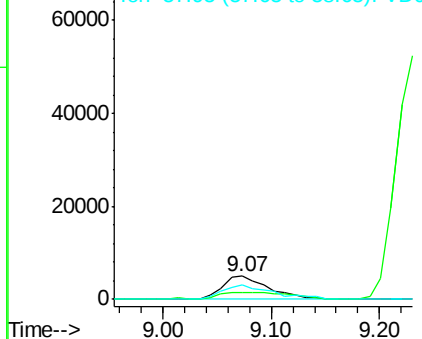
#49
1,4-Dioxane
Concen: 446.868 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD061226.D
Acq: 21 Mar 2019 1:25

Instrument :
MSVOA_D
ClientSampleId :
VD0320SBSD02

Tot Ion: 88 Resp: 14773
Ion Ratio Lower Upper
88 100
43 28.9 21.0 31.6
58 64.3 48.6 72.8

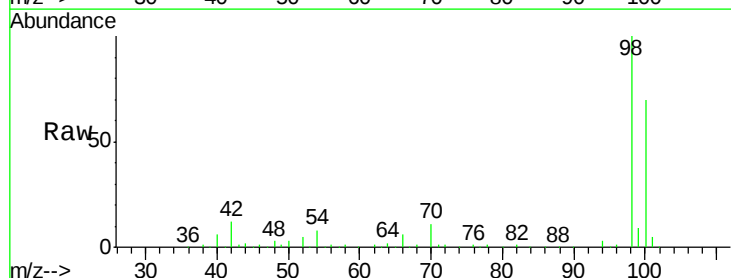


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

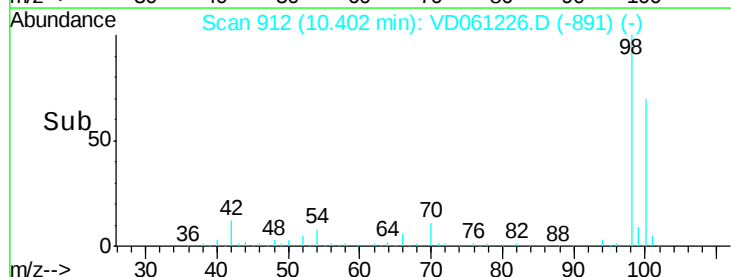
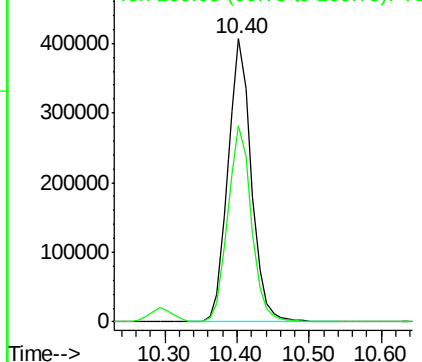


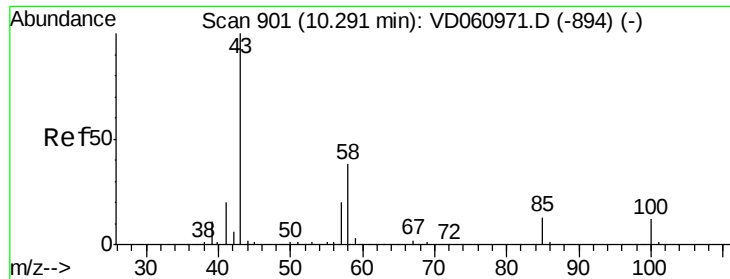
#50
Toluene-d8
Concen: 446.868 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD061226.D
Acq: 21 Mar 2019 1:25

Tgt Ion: 98 Resp: 921028
Ion Ratio Lower Upper
98 100
100 69.5 57.4 86.2



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: 103.706 ug/l

RT: 10.29 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD061226.D

Acq: 21 Mar 2019 1:25

Instrument :

MSVOA_D

ClientSampleId :

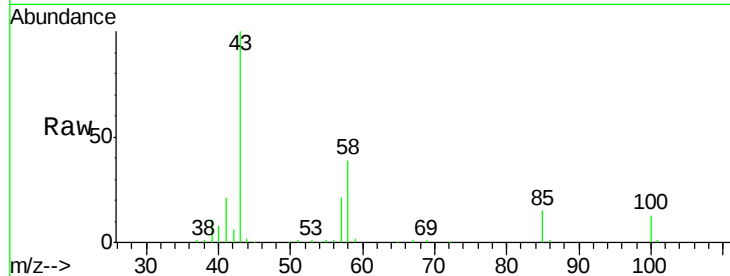
VD0320SBS02

Tot Ion: 43 Resp: 368914

Ion Ratio Lower Upper

43 100

58 39.2 30.2 45.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.29

150000

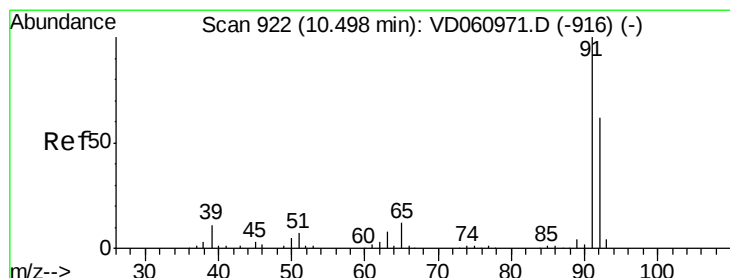
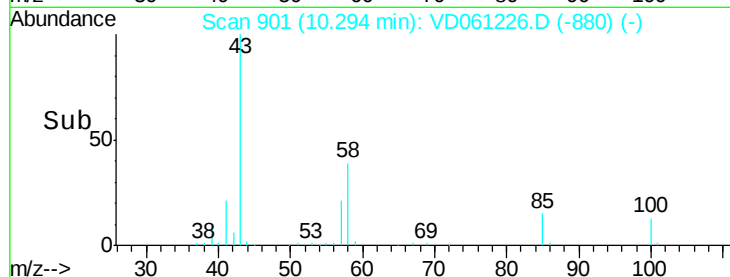
100000

50000

0

Time-->

10.20 10.30 10.40



#52

Toluene

Concen: 19.884 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD061226.D

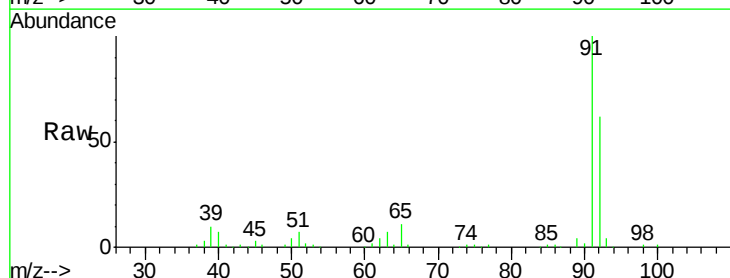
Acq: 21 Mar 2019 1:25

Tgt Ion: 92 Resp: 276029

Ion Ratio Lower Upper

92 100

91 161.5 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.50

200000

150000

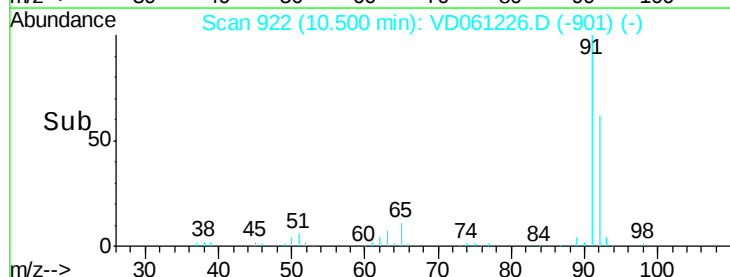
100000

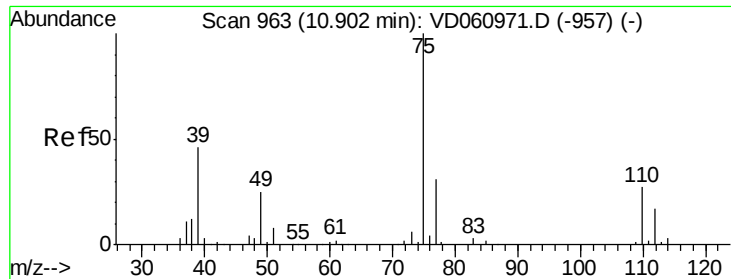
50000

0

Time-->

10.40 10.50 10.60

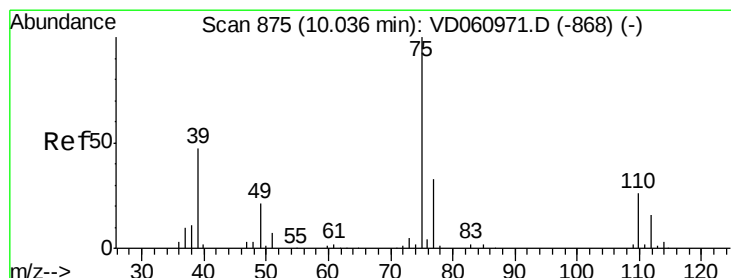
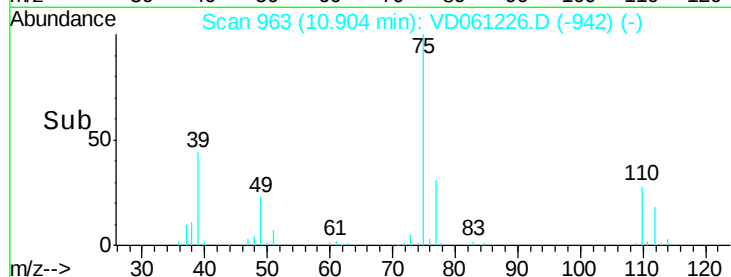
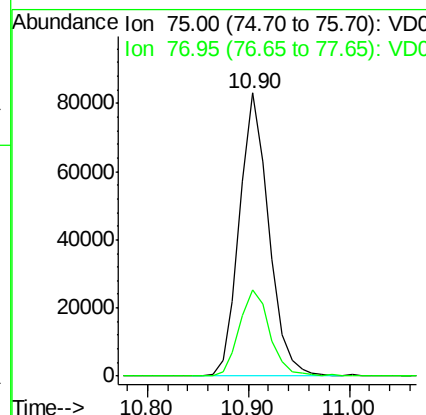
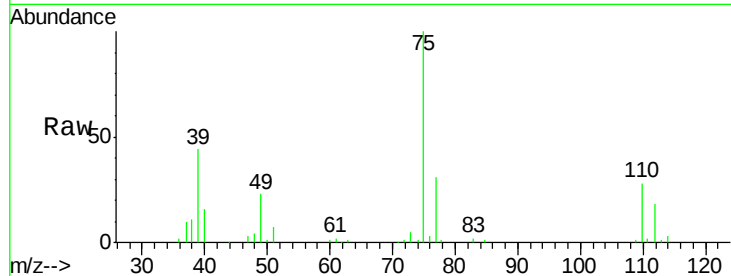




#53
 t-1,3-Dichloropropene
 Concen: 21.921 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. 0.00 min
 Lab File: VD061226.D
 Acq: 21 Mar 2019 1:25

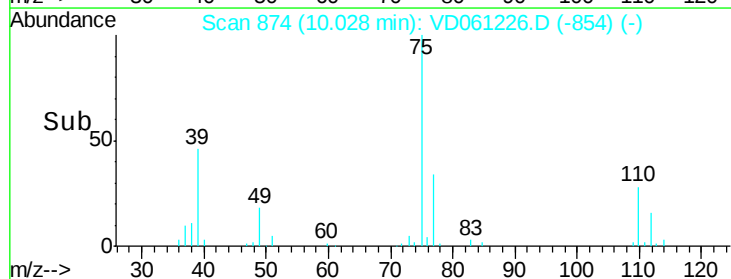
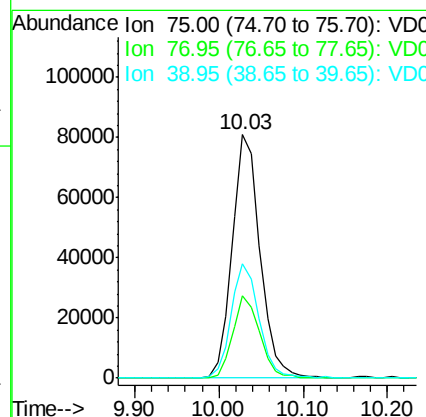
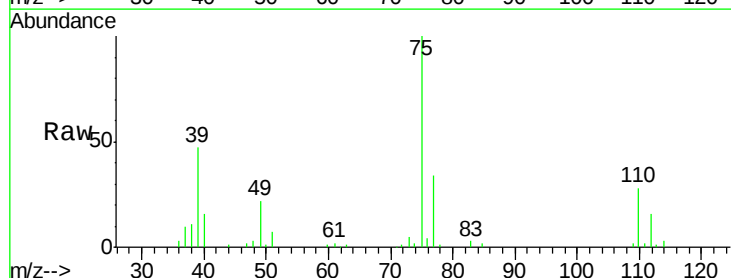
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320SBSD02

Tot Ion: 75 Resp: 168273
 Ion Ratio Lower Upper
 75 100
 77 30.7 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 20.151 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.01 min
 Lab File: VD061226.D
 Acq: 21 Mar 2019 1:25

Tgt Ion: 75 Resp: 185859
 Ion Ratio Lower Upper
 75 100
 77 33.8 26.2 39.4
 39 47.0 37.8 56.8

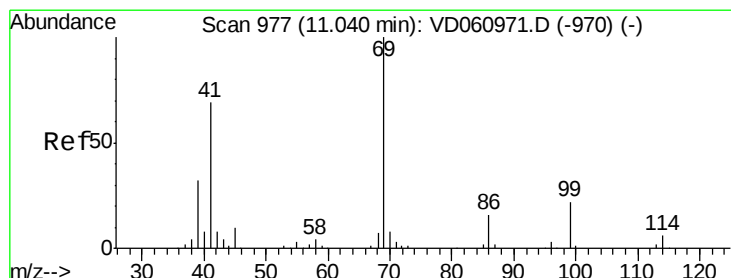
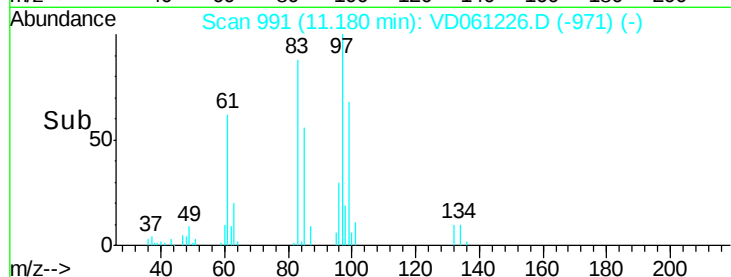
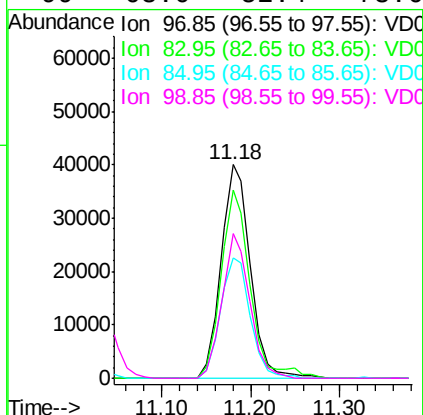
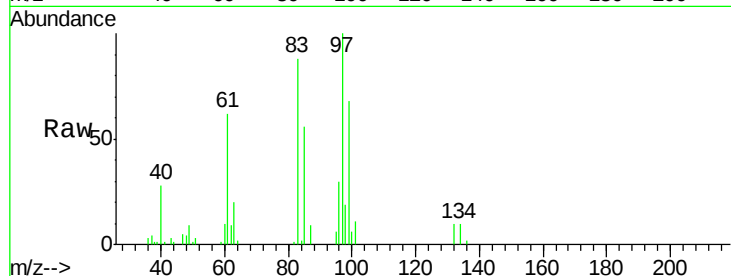




#55
1,1,2-Trichloroethane
Concen: 19.936 ug/l
RT: 11.18 min Scan# 991
Delta R.T. -0.01 min
Lab File: VD061226.D
Acq: 21 Mar 2019 1:25

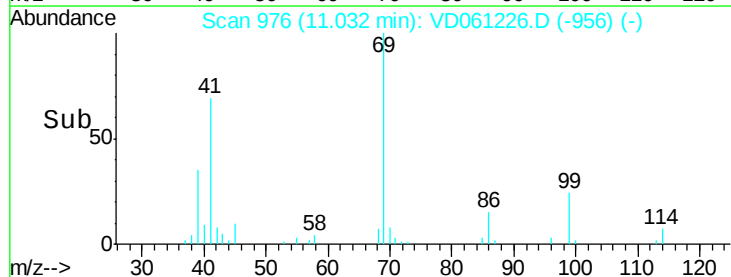
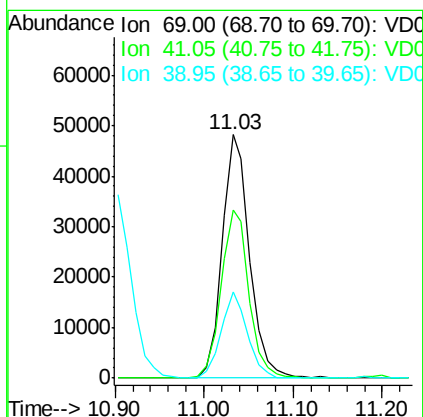
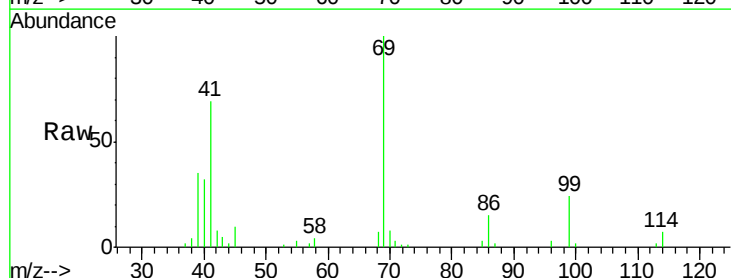
Instrument :
MSVOA_D
ClientSampleId :
VD0320SBSD02

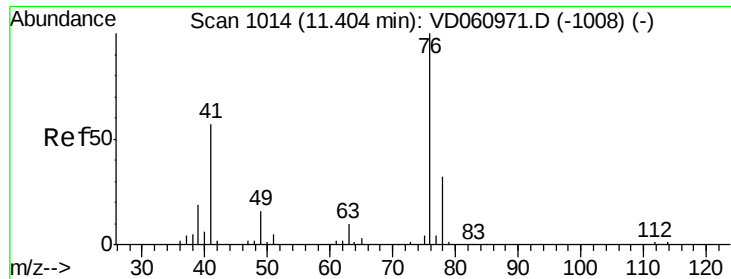
Tot Ion: 97 Resp: 92164
Ion Ratio Lower Upper
97 100
83 88.3 66.6 100.0
85 56.1 46.4 69.6
99 68.0 52.4 78.6



#56
Ethyl methacrylate
Concen: 21.402 ug/l
RT: 11.03 min Scan# 976
Delta R.T. -0.01 min
Lab File: VD061226.D
Acq: 21 Mar 2019 1:25

Tgt Ion: 69 Resp: 103560
Ion Ratio Lower Upper
69 100
41 69.0 55.5 83.3
39 35.2 26.2 39.2

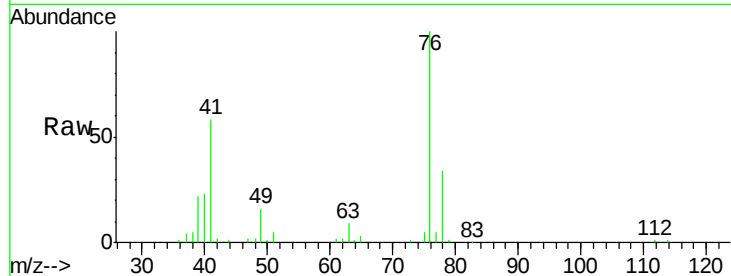




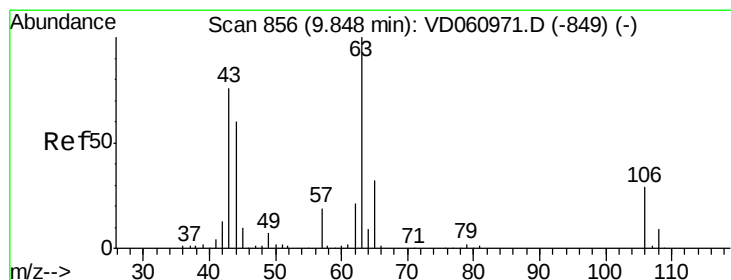
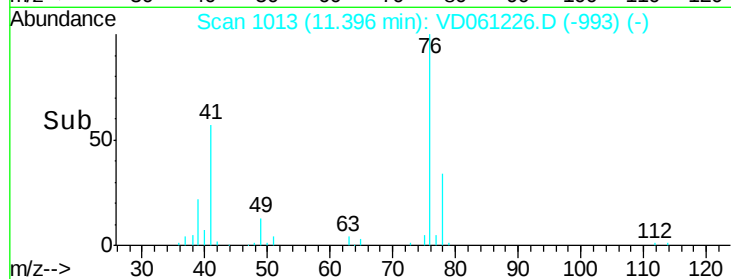
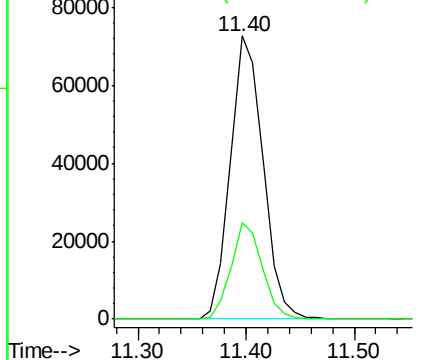
#57
 1,3-Dichloropropane
 Concen: 22.159 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VD061226.D
 Acq: 21 Mar 2019 1:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320SBSD02

Tot Ion: 76 Resp: 153083
 Ion Ratio Lower Upper
 76 100
 78 34.1 25.4 38.0

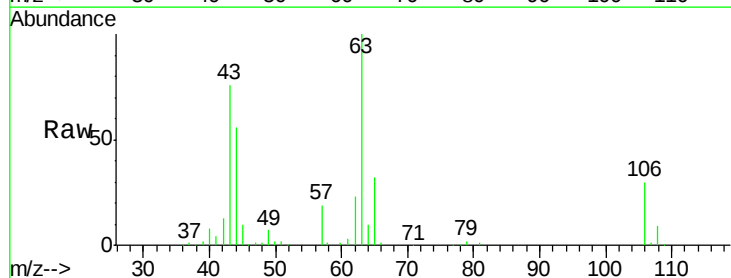


Abundance Ion 75.95 (75.65 to 76.65): VDC
 Ion 77.95 (77.65 to 78.65): VDC

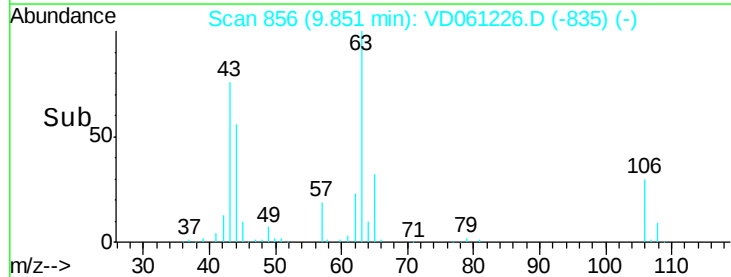
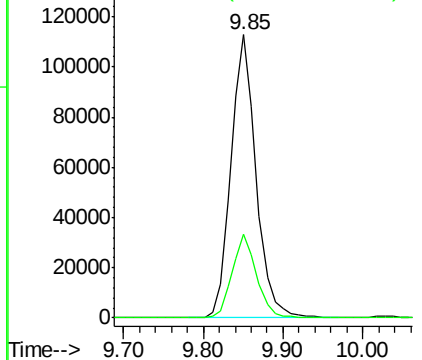


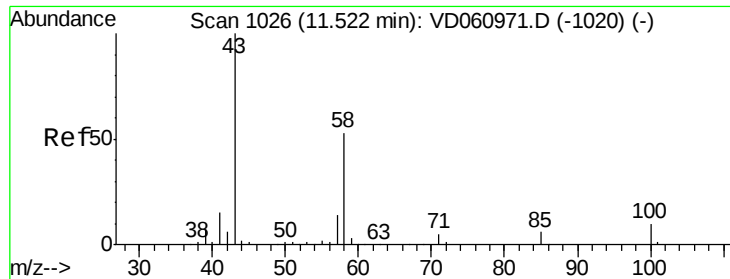
#58
 2-Chloroethyl Vinyl ether
 Concen: 96.883 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VD061226.D
 Acq: 21 Mar 2019 1:25

Tgt Ion: 63 Resp: 248148
 Ion Ratio Lower Upper
 63 100
 106 29.7 22.8 34.2



Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 105.95 (105.65 to 106.65): V

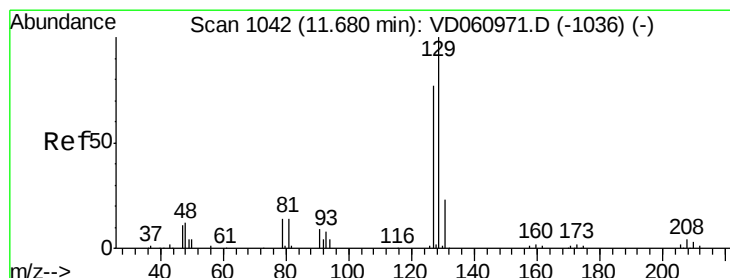
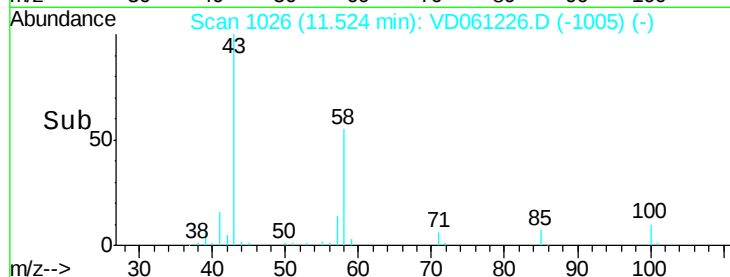
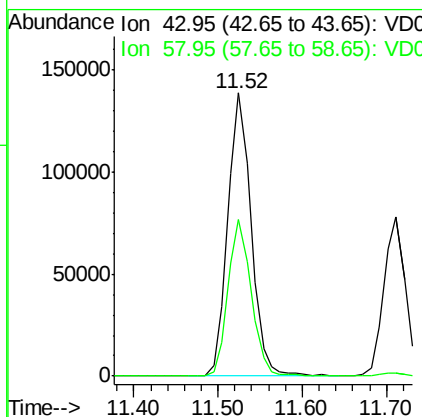
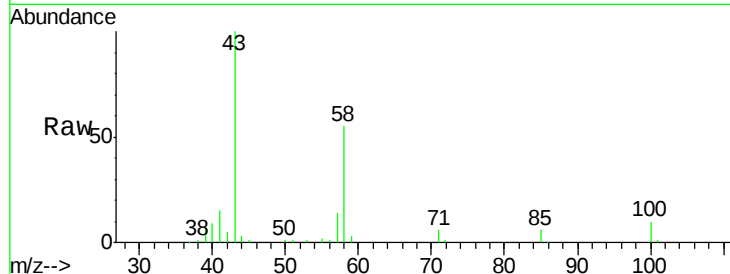




#59
2-Hexanone
Concen: 103.210 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD061226.D
Acq: 21 Mar 2019 1:25

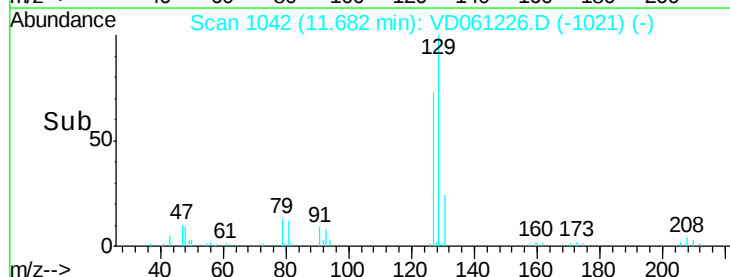
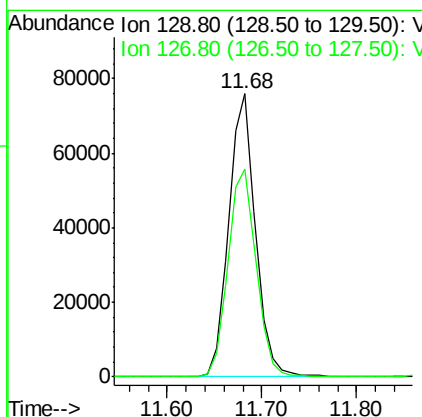
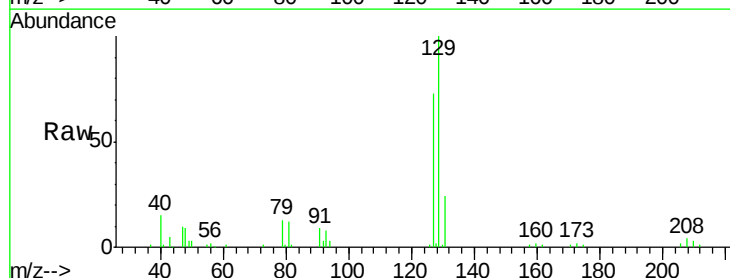
Instrument :
MSVOA_D
ClientSampleId :
VD0320SBSD02

Tot Ion: 43 Resp: 268567
Ion Ratio Lower Upper
43 100
58 55.2 26.5 79.5



#60
Dibromochloromethane
Concen: 21.731 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD061226.D
Acq: 21 Mar 2019 1:25

Tgt Ion: 129 Resp: 147850
Ion Ratio Lower Upper
129 100
127 73.5 38.3 114.9

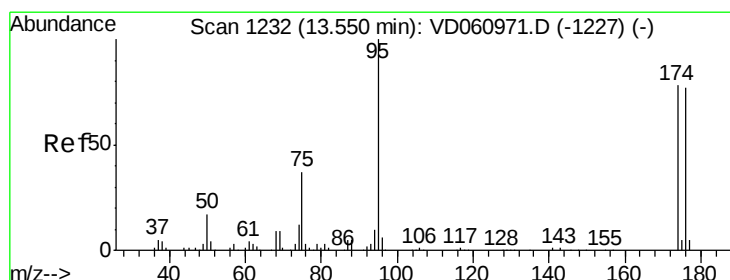
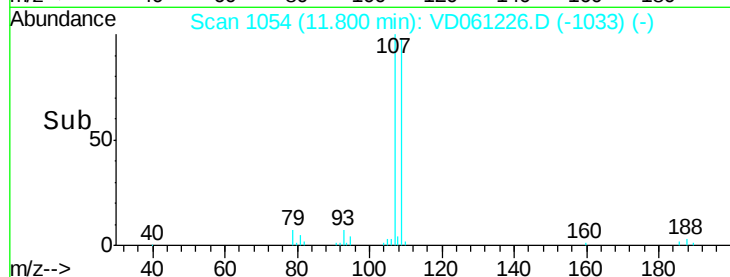
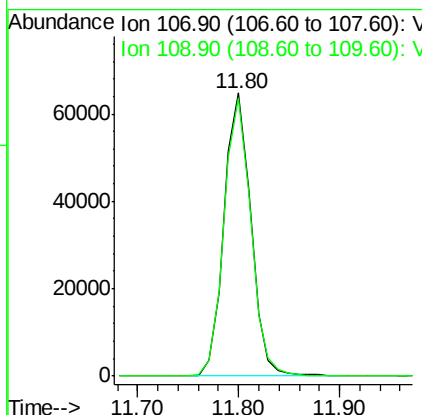
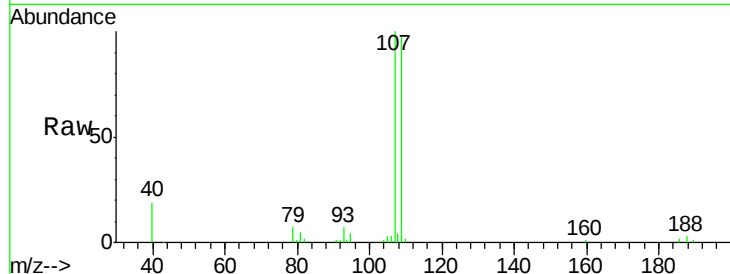




#61
 1,2-Dibromoethane
 Concen: 22.274 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD061226.D
 Acq: 21 Mar 2019 1:25

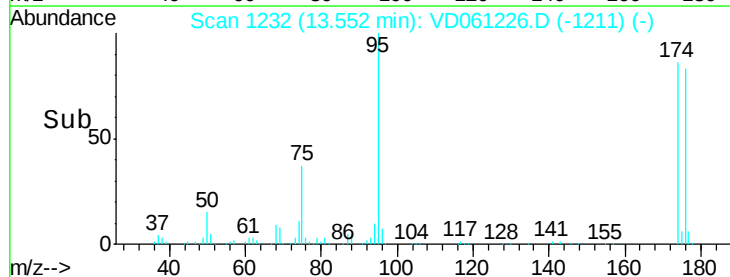
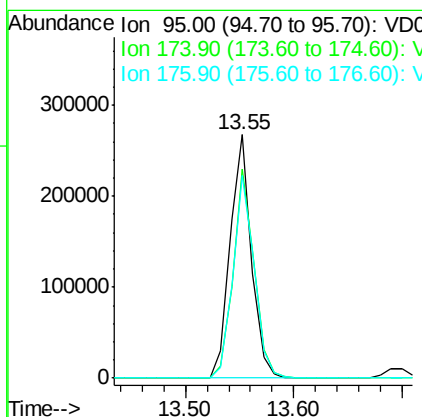
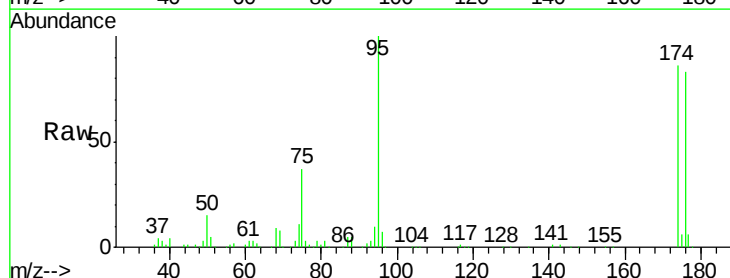
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320SBSD02

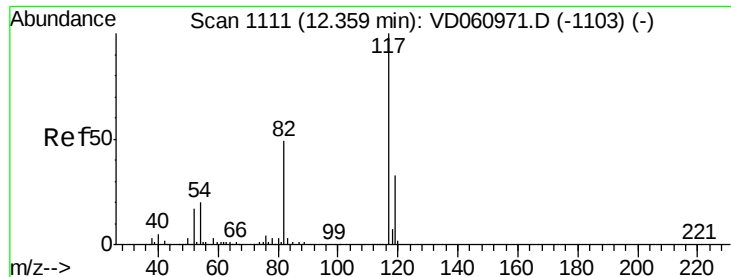
Tot Ion:107 Resp: 119784
 Ion Ratio Lower Upper
 107 100
 109 98.5 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 22.274 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD061226.D
 Acq: 21 Mar 2019 1:25

Tgt Ion: 95 Resp: 365078
 Ion Ratio Lower Upper
 95 100
 174 85.8 0.0 155.6
 176 83.5 0.0 153.8

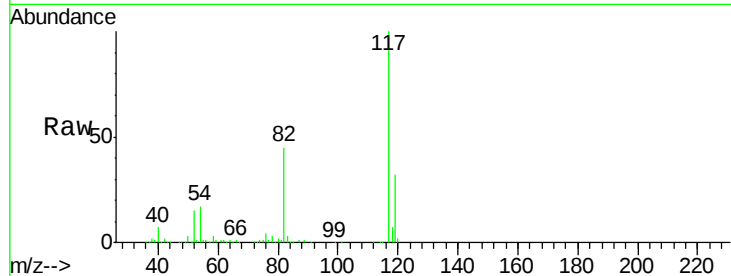




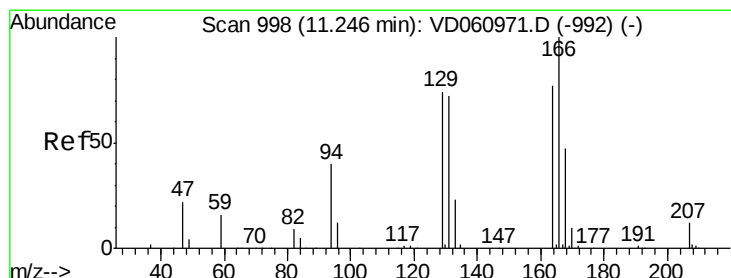
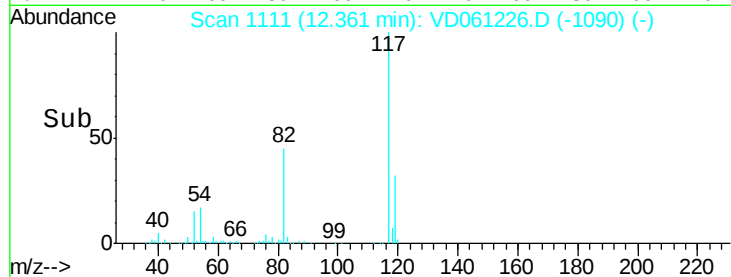
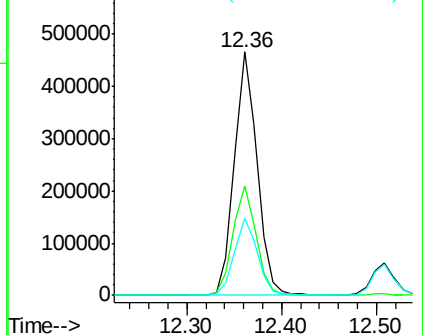
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061226.D
Acq: 21 Mar 2019 1:25

Instrument :
MSVOA_D
ClientSampleId :
VD0320SBSD02

Tot Ion:117 Resp: 779313
Ion Ratio Lower Upper
117 100
82 45.1 38.9 58.3
119 31.6 26.6 39.8

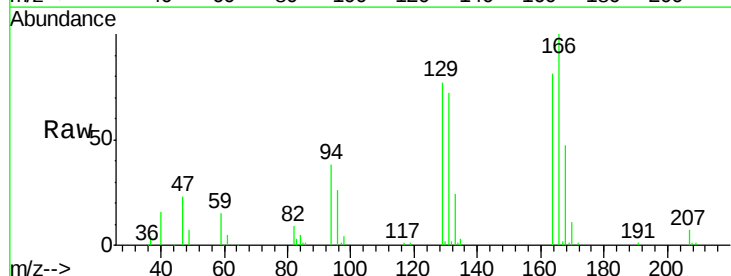


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

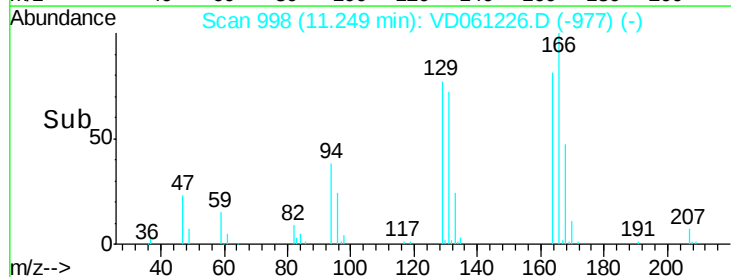
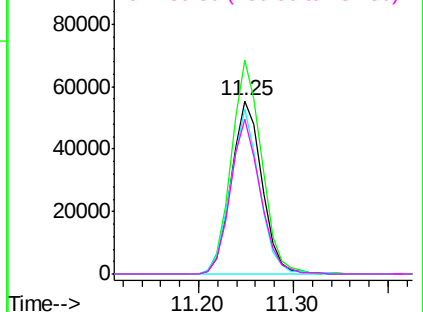


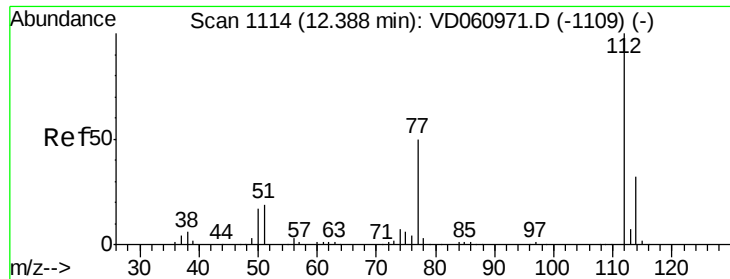
#64
Tetrachloroethene
Concen: 23.536 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD061226.D
Acq: 21 Mar 2019 1:25

Tgt Ion:164 Resp: 123814
Ion Ratio Lower Upper
164 100
166 123.2 103.4 155.0
129 95.1 76.9 115.3
131 89.2 74.4 111.6



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

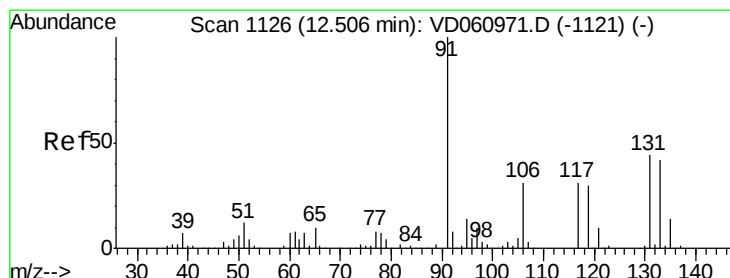
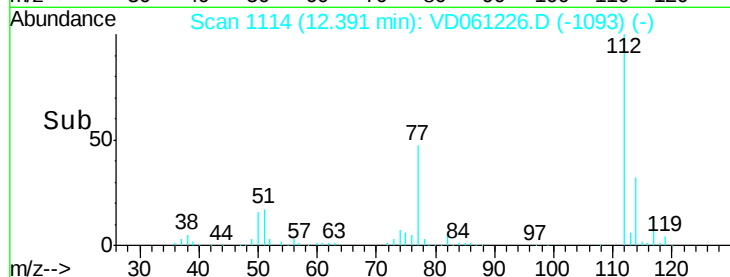
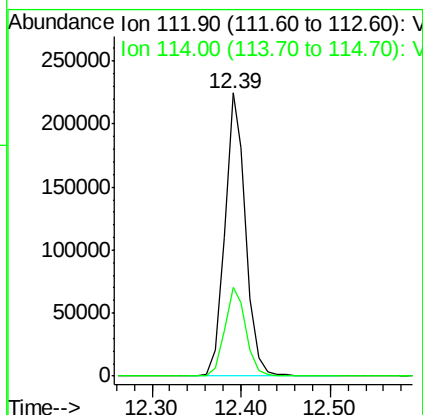
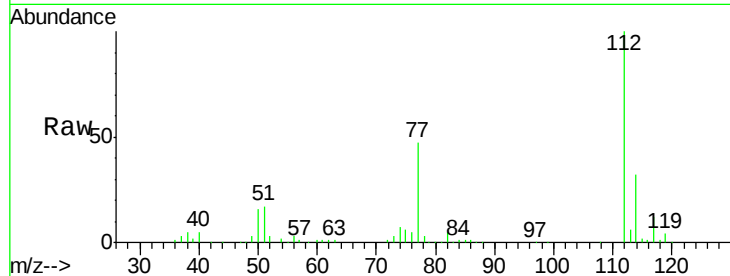




#65
Chlorobenzene
Concen: 24.026 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD061226.D
Acq: 21 Mar 2019 1:25

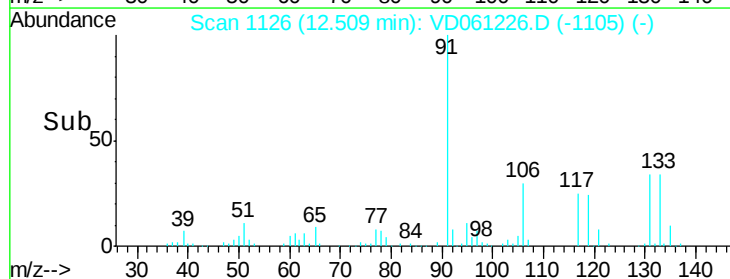
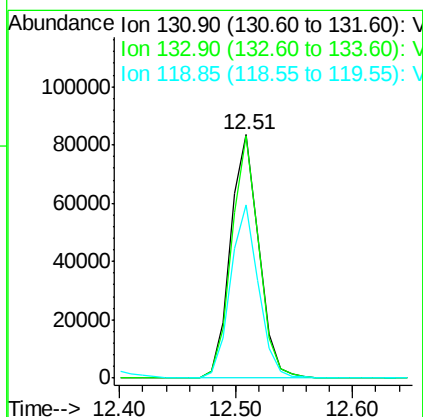
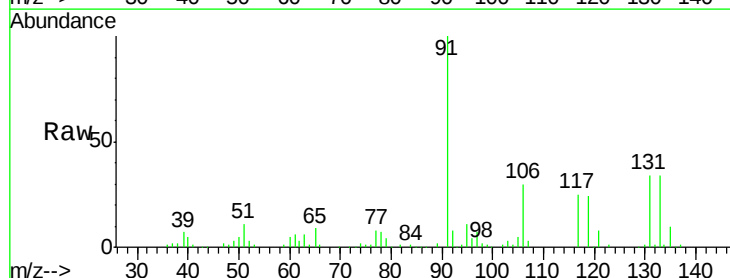
Instrument :
MSVOA_D
ClientSampleId :
VD0320SBSD02

Tot Ion:112 Resp: 367062
Ion Ratio Lower Upper
112 100
114 31.5 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 25.834 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD061226.D
Acq: 21 Mar 2019 1:25

Tgt Ion:131 Resp: 140689
Ion Ratio Lower Upper
131 100
133 99.7 47.8 143.3
119 71.0 34.3 102.9

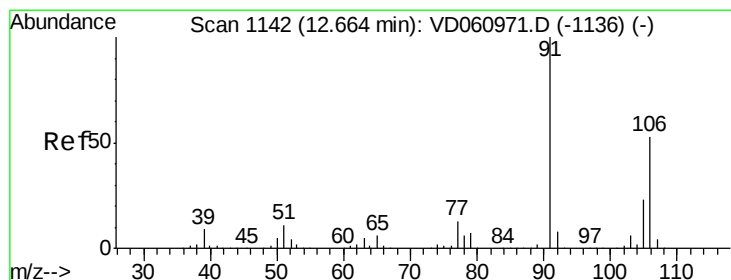
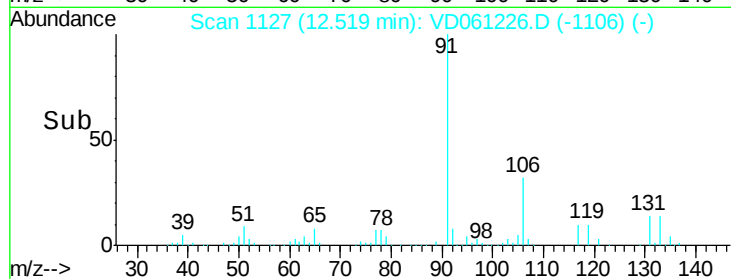
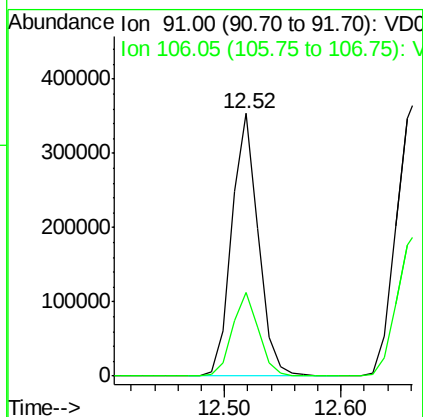
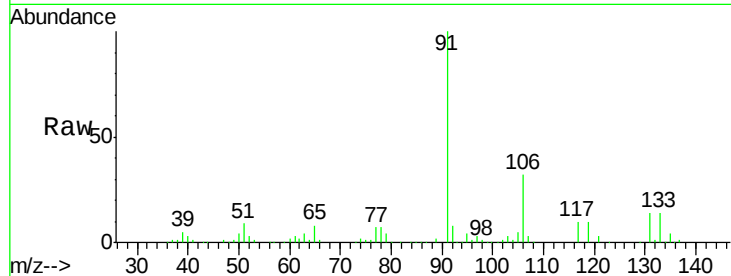




#67
Ethyl Benzene
Concen: 24.397 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD061226.D
Acq: 21 Mar 2019 1:25

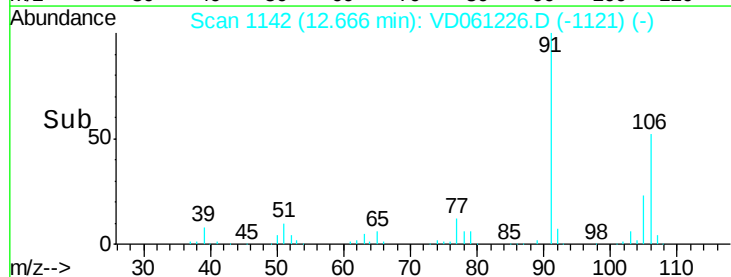
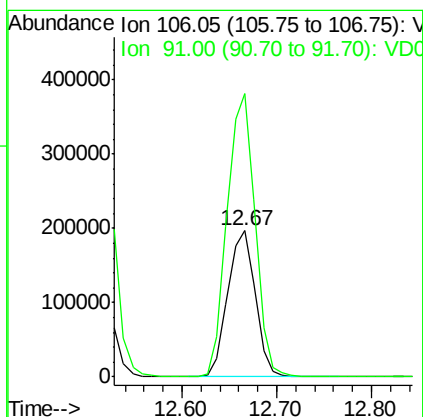
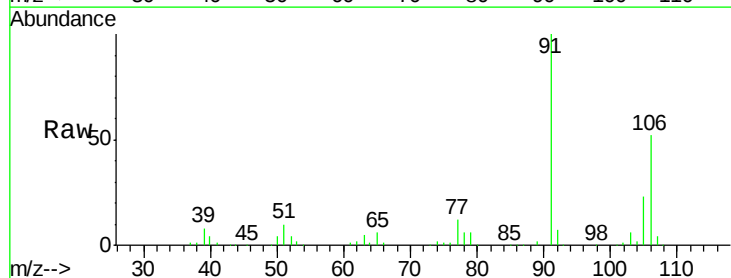
Instrument :
MSVOA_D
ClientSampleId :
VD0320SBSD02

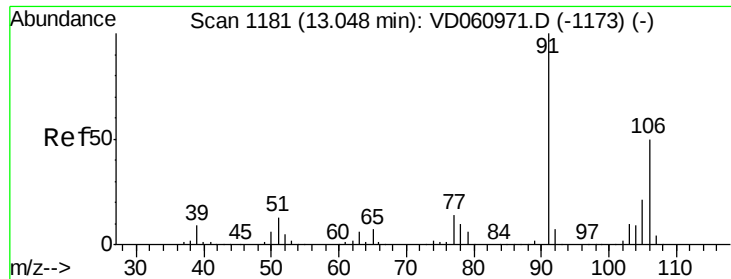
Tot Ion: 91 Resp: 554919
Ion Ratio Lower Upper
91 100
106 31.9 25.7 38.5



#68
m/p-Xylenes
Concen: 44.509 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD061226.D
Acq: 21 Mar 2019 1:25

Tgt Ion:106 Resp: 397345
Ion Ratio Lower Upper
106 100
91 193.6 152.0 228.0

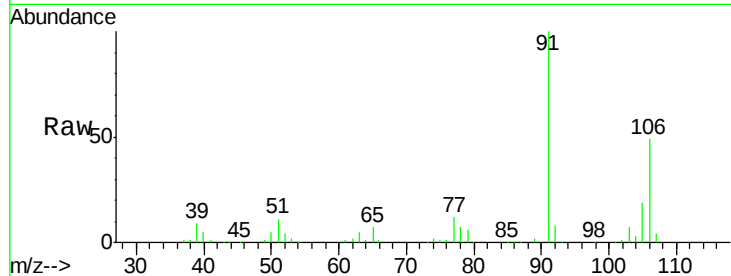




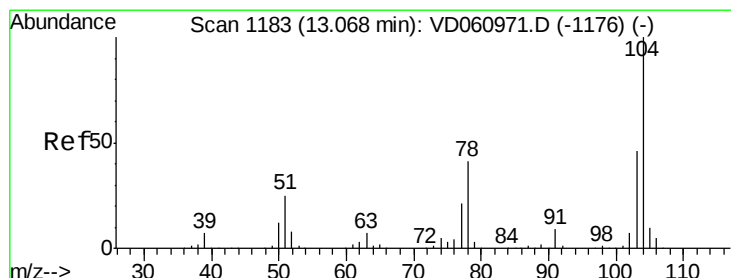
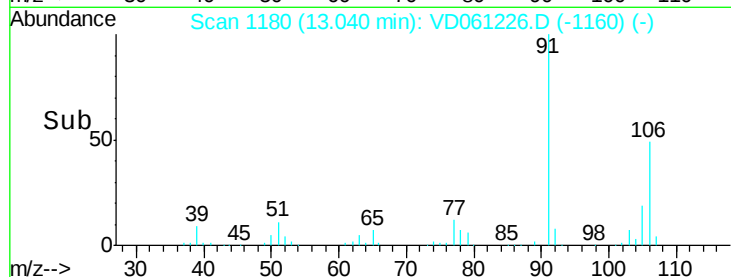
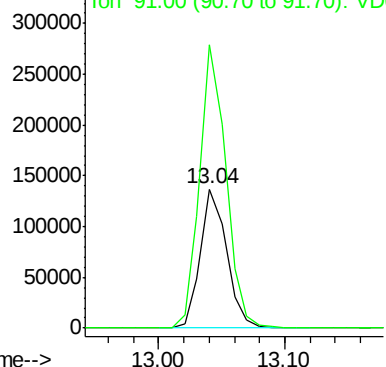
#69
o-Xylene
Concen: 22.485 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD061226.D
Acq: 21 Mar 2019 1:25

Instrument :
MSVOA_D
ClientSampleId :
VD0320SBS02

Tot Ion:106 Resp: 197313
Ion Ratio Lower Upper
106 100
91 203.3 99.8 299.3

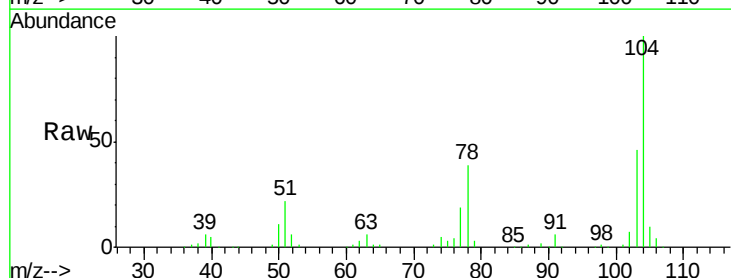


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

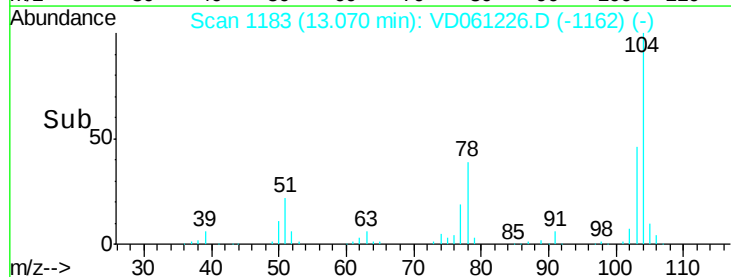
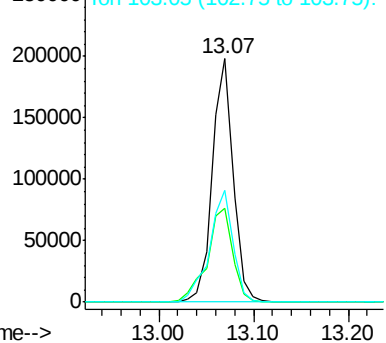


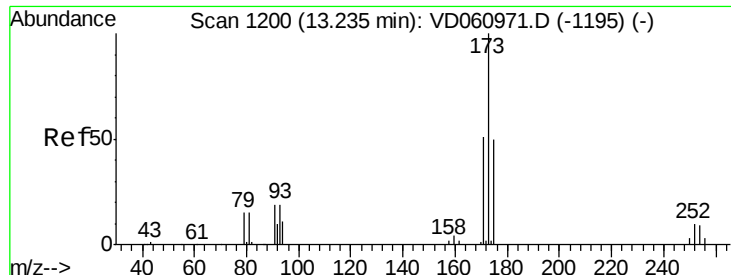
#70
Styrene
Concen: 21.133 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD061226.D
Acq: 21 Mar 2019 1:25

Tgt Ion:104 Resp: 302807
Ion Ratio Lower Upper
104 100
78 38.6 33.0 49.4
103 46.0 37.1 55.7



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: 25.197 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD061226.D

Acq: 21 Mar 2019 1:25

Instrument :

MSVOA_D

ClientSampleId :

VD0320SBS02

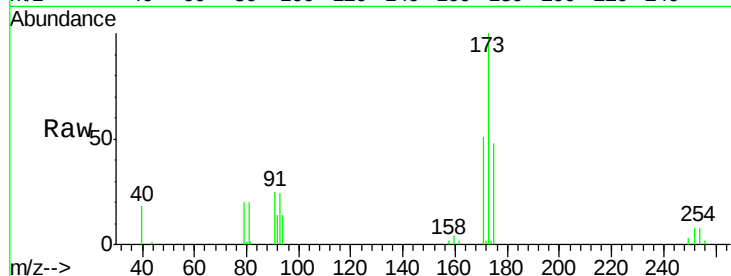
Tot Ion:173 Resp: 88519

Ion Ratio Lower Upper

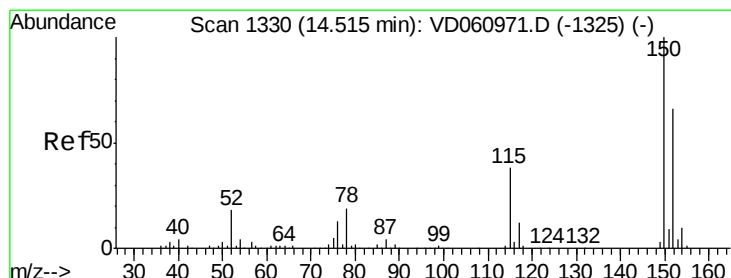
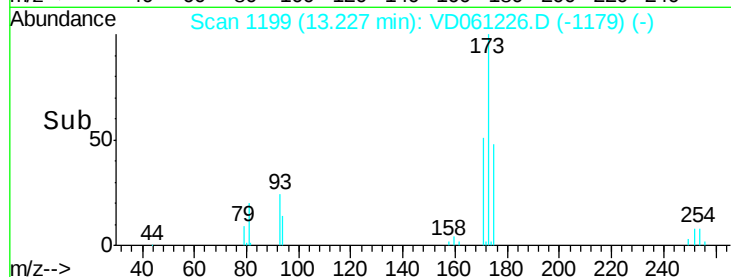
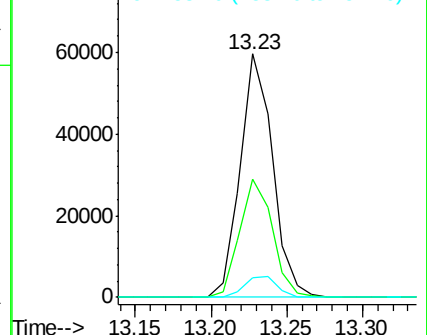
173 100

175 48.3 24.9 74.8

254 8.2 7.3 10.9



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD061226.D

Acq: 21 Mar 2019 1:25

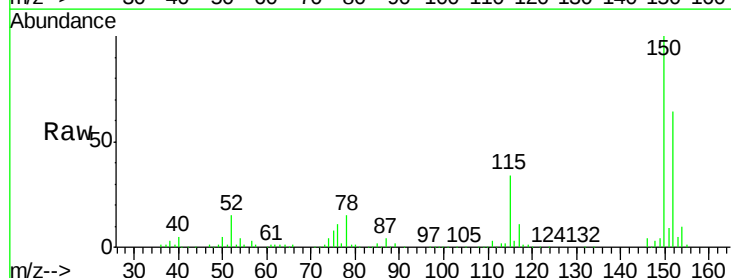
Tgt Ion:152 Resp: 342676

Ion Ratio Lower Upper

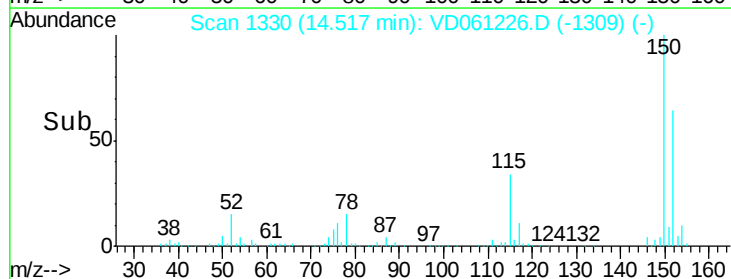
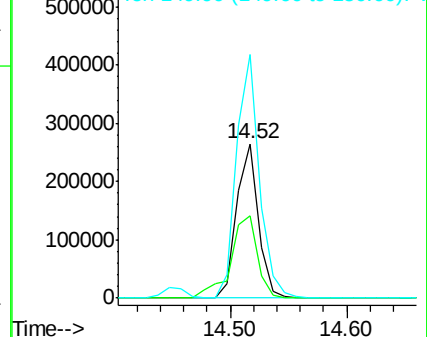
152 100

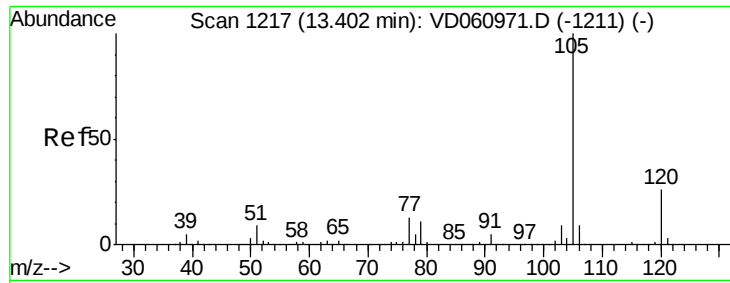
115 53.1 28.6 85.9

150 157.5 0.0 310.6



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





#73

Isopropylbenzene

Concen: 20.431 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD061226.D

Acq: 21 Mar 2019 1:25

Instrument :

MSVOA_D

ClientSampleId :

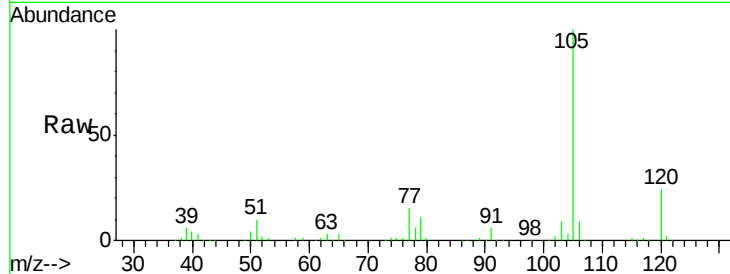
VD0320SBS02

Tot Ion:105 Resp: 504571

Ion Ratio Lower Upper

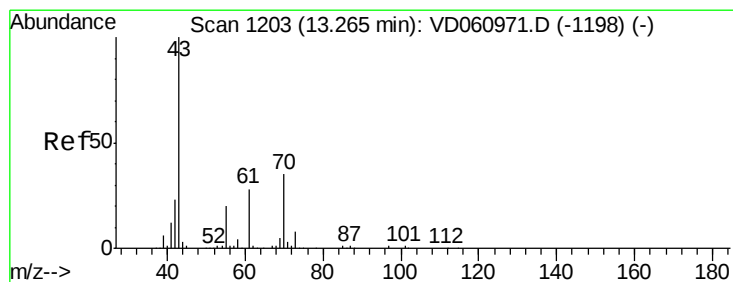
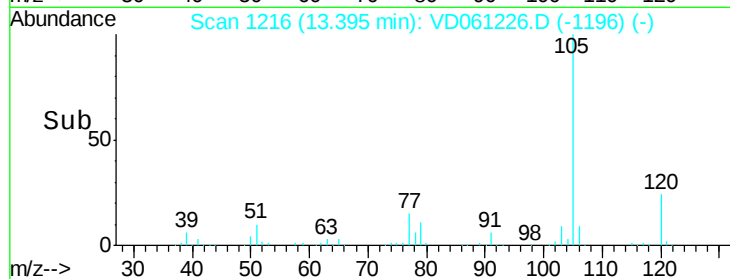
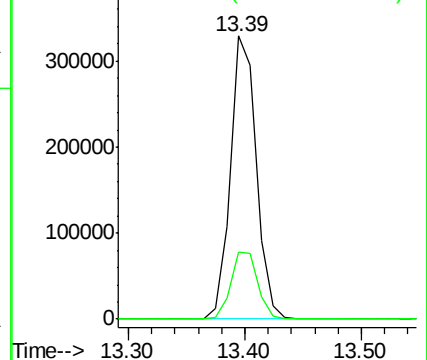
105 100

120 23.8 12.8 38.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 22.281 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD061226.D

Acq: 21 Mar 2019 1:25

Tgt Ion: 43 Resp: 154937

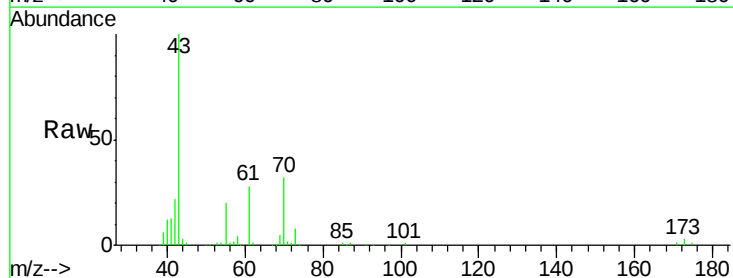
Ion Ratio Lower Upper

43 100

70 32.0 27.7 41.5

55 19.7 16.2 24.2

61 28.1 22.3 33.5

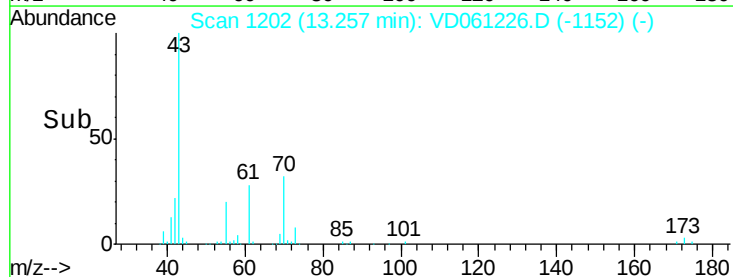
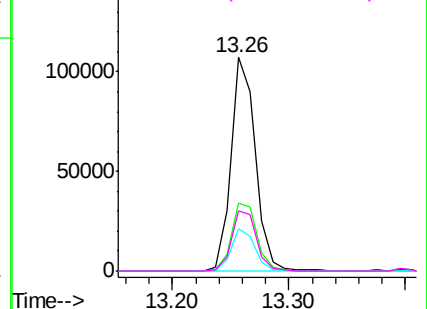


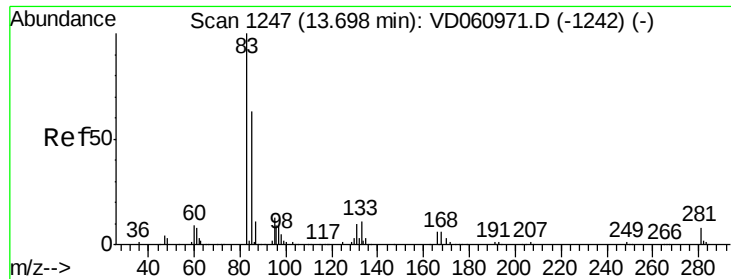
Abundance Ion 42.95 (42.65 to 43.65): V

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: 23.910 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD061226.D

Acq: 21 Mar 2019 1:25

Instrument :

MSVOA_D

ClientSampleId :

VD0320SBS02

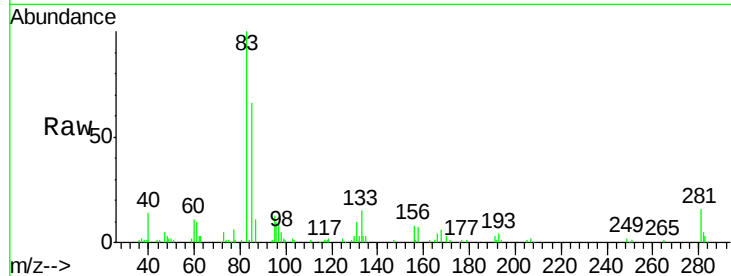
Tot Ion: 83 Resp: 115208

Ion Ratio Lower Upper

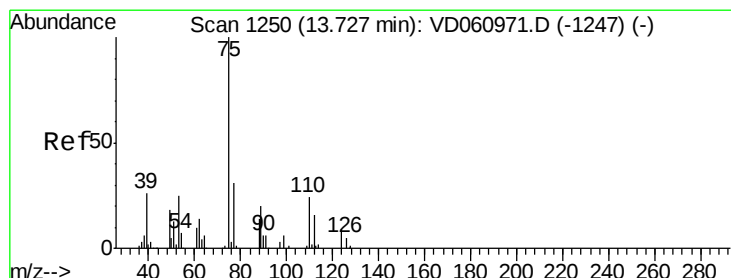
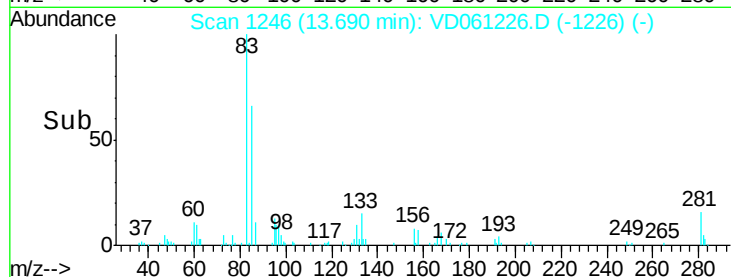
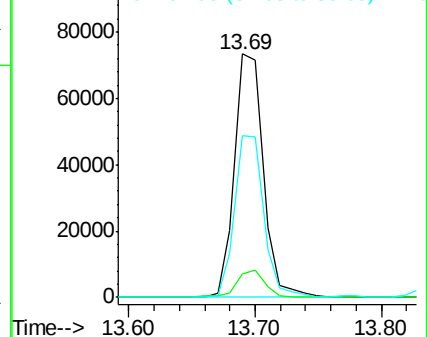
83 100

131 9.5 5.1 15.3

85 66.4 31.5 94.5



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: 22.494 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD061226.D

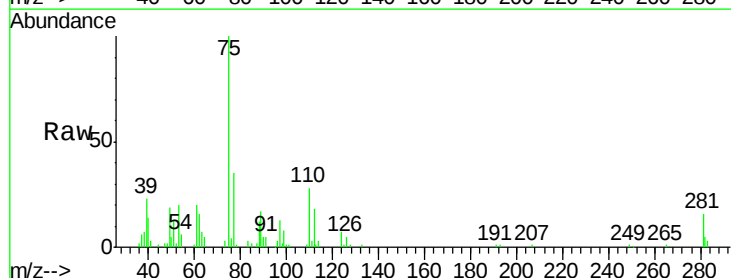
Acq: 21 Mar 2019 1:25

Tgt Ion: 75 Resp: 110894

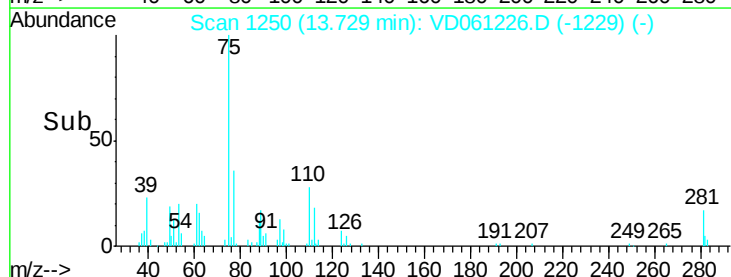
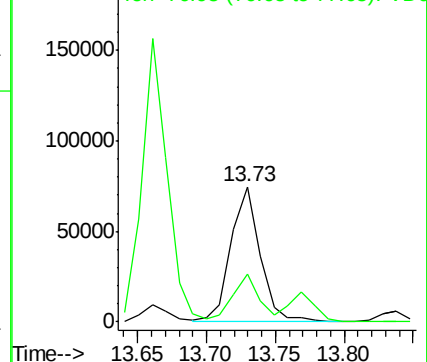
Ion Ratio Lower Upper

75 100

77 35.3 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 24.705 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD061226.D

Acq: 21 Mar 2019 1:25

Instrument :

MSVOA_D

ClientSampleId :

VD0320SBSD02

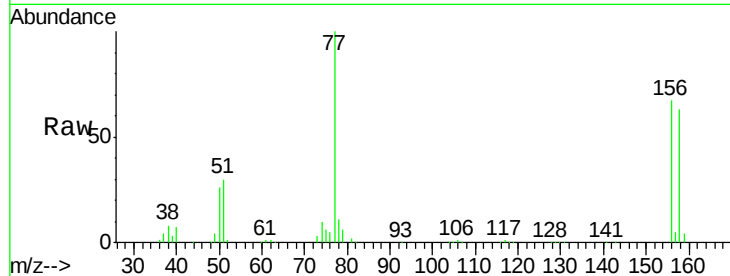
Tot Ion:156 Resp: 155745

Ion Ratio Lower Upper

156 100

77 149.2 55.5 166.7

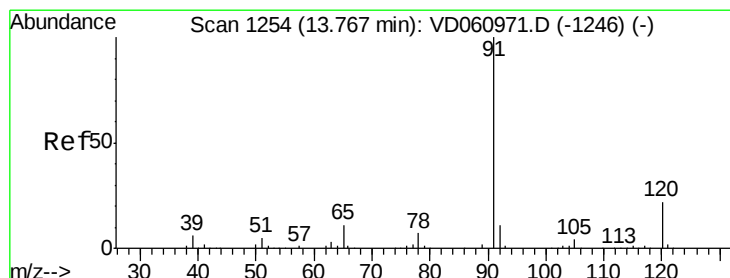
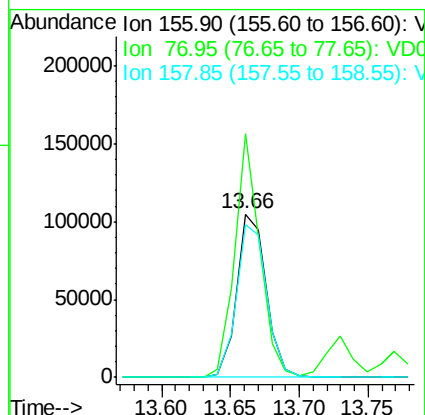
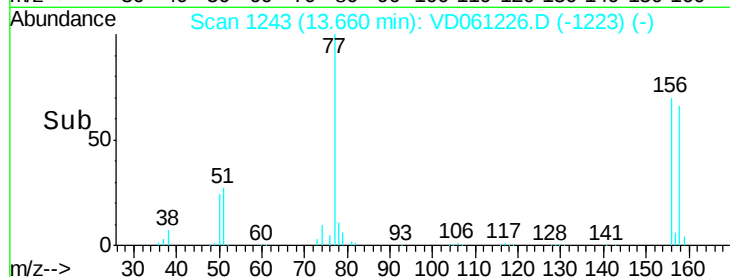
158 93.8 49.0 147.0



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: 20.997 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD061226.D

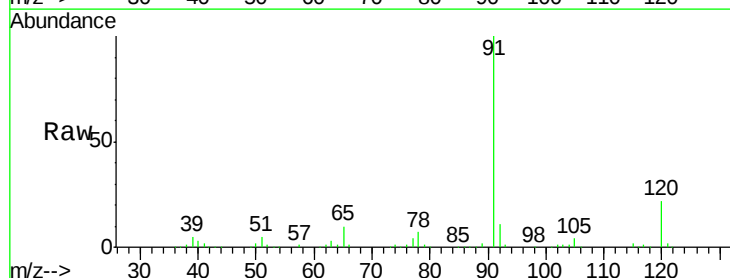
Acq: 21 Mar 2019 1:25

Tgt Ion: 91 Resp: 607053

Ion Ratio Lower Upper

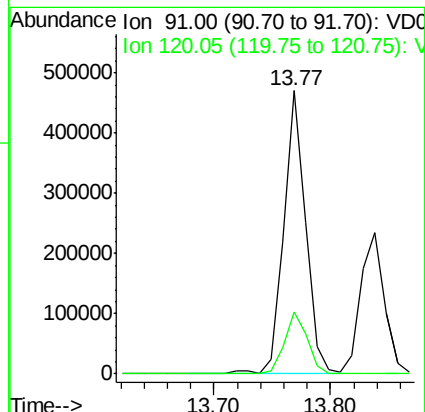
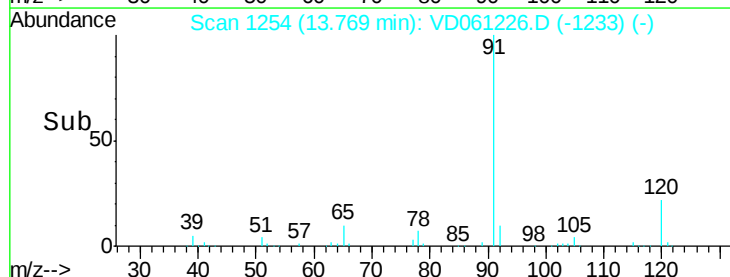
91 100

120 22.1 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 20.767 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD061226.D

Acq: 21 Mar 2019 1:25

Instrument :

MSVOA_D

ClientSampleId :

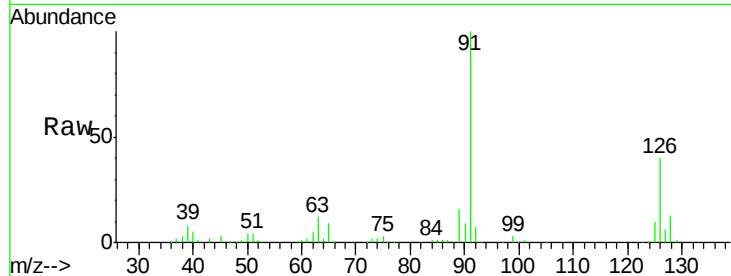
VD0320SBSD02

Tot Ion: 91 Resp: 330546

Ion Ratio Lower Upper

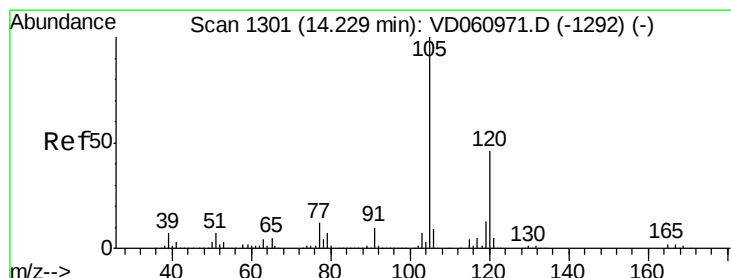
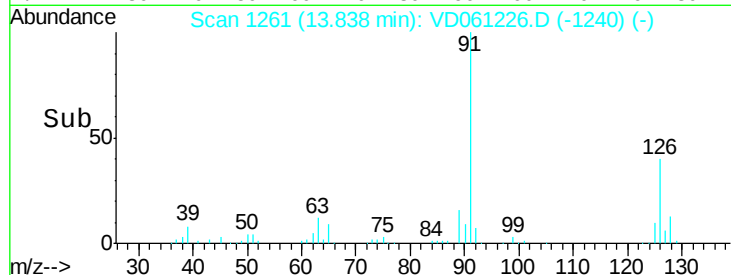
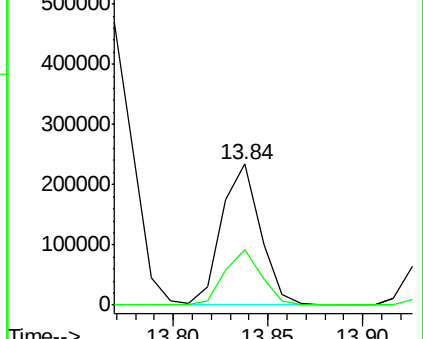
91 100

126 39.8 18.6 55.6



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: 21.886 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VD061226.D

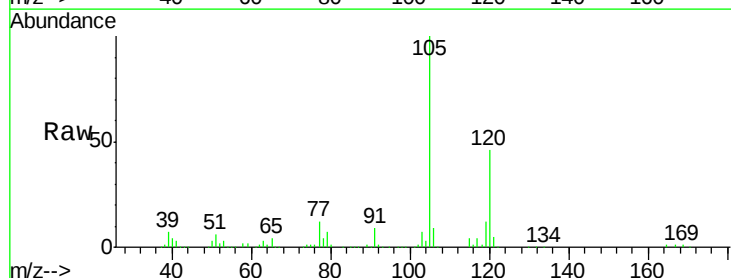
Acq: 21 Mar 2019 1:25

Tgt Ion:105 Resp: 410333

Ion Ratio Lower Upper

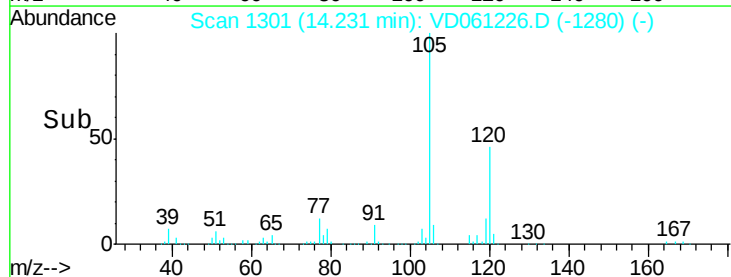
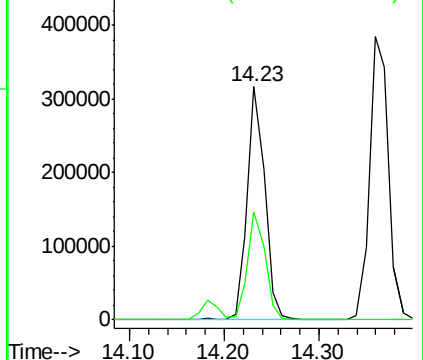
105 100

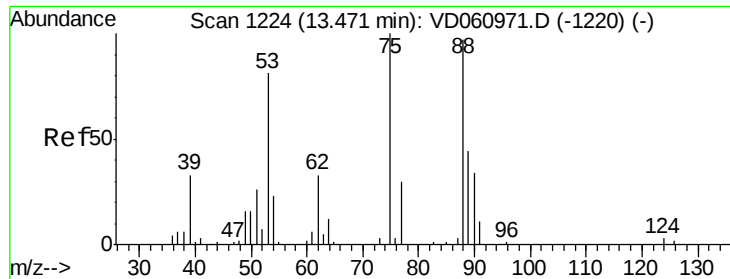
120 46.3 22.9 68.5



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: 24.188 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD061226.D

Acq: 21 Mar 2019 1:25

Instrument :

MSVOA_D

ClientSampleId :

VD0320SBSD02

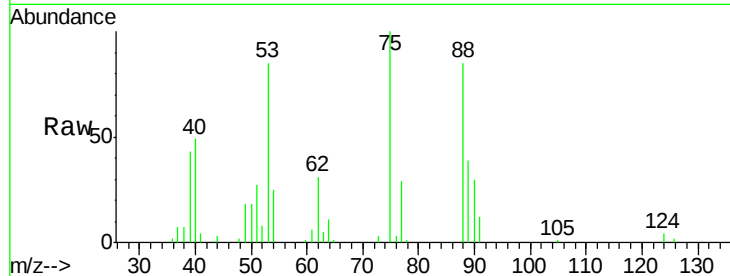
Tot Ion: 75 Resp: 35156

Ion Ratio Lower Upper

75 100

53 85.4 64.4 96.6

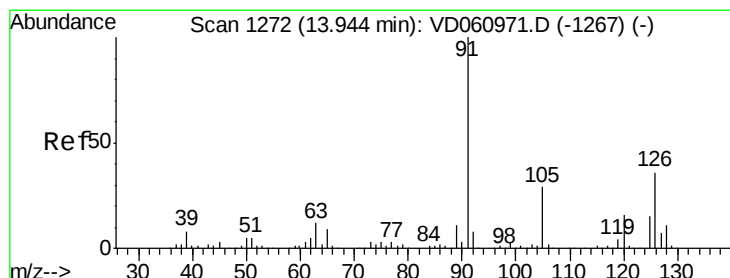
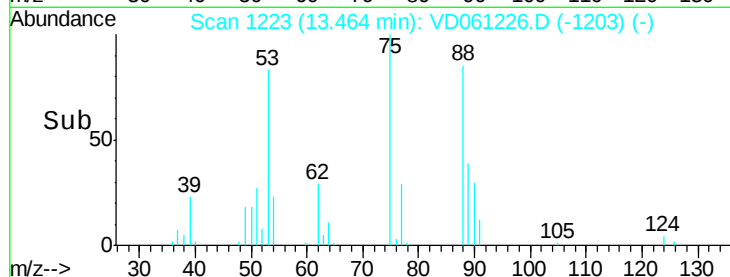
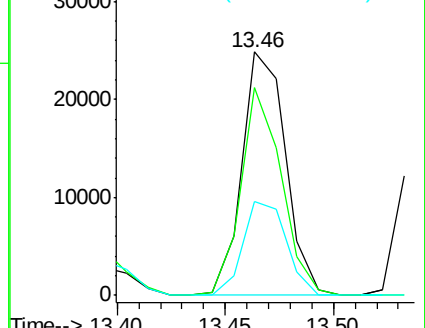
89 38.5 34.8 52.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 20.438 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD061226.D

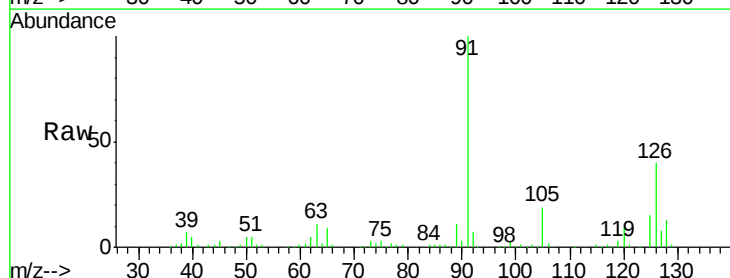
Acq: 21 Mar 2019 1:25

Tgt Ion: 91 Resp: 384581

Ion Ratio Lower Upper

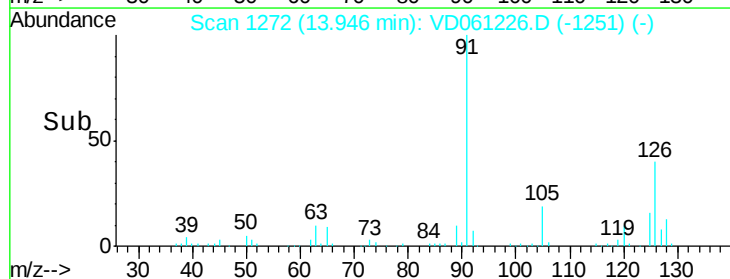
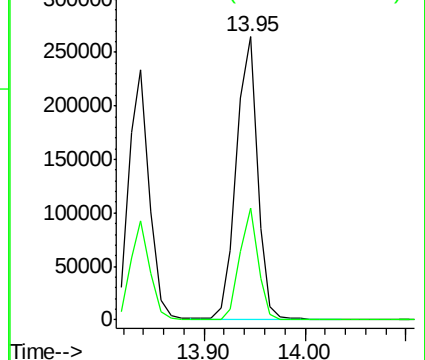
91 100

126 39.7 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

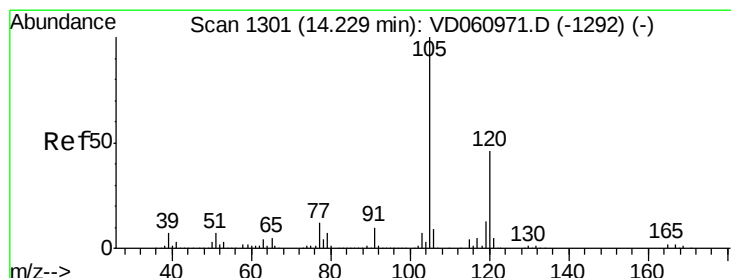
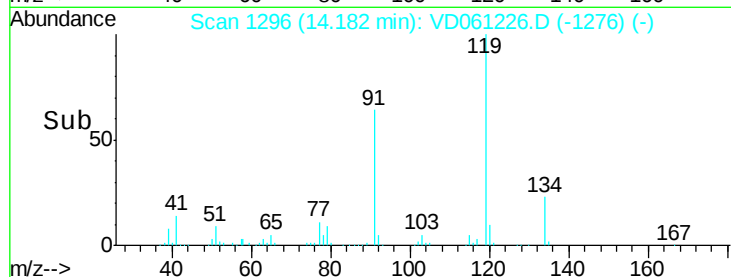
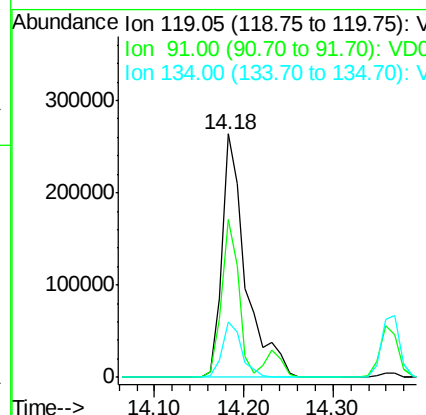
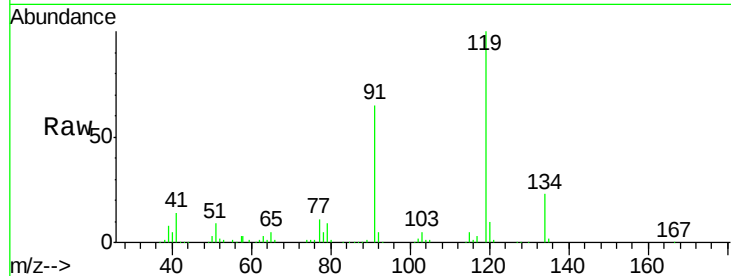




#83
tert-Butylbenzene
Concen: 24.017 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VD061226.D
Acq: 21 Mar 2019 1:25

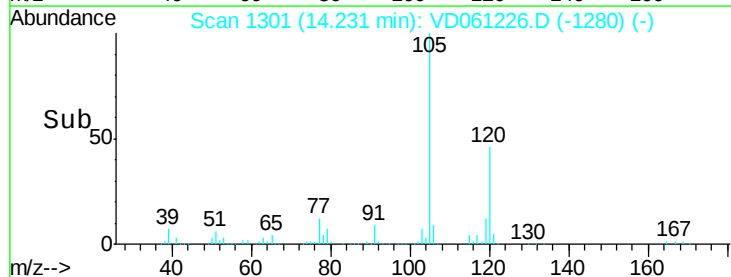
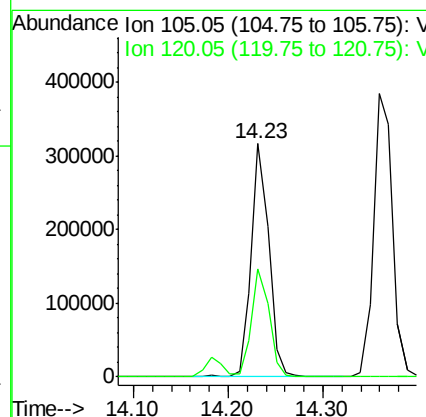
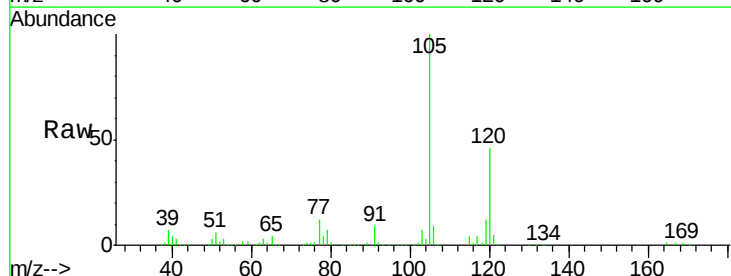
Instrument :
MSVOA_D
ClientSampleId :
VD0320SBS02

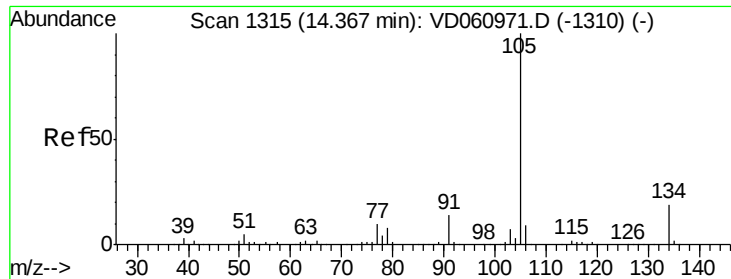
Tot Ion:119 Resp: 492775
Ion Ratio Lower Upper
119 100
91 64.8 30.1 90.3
134 22.8 11.6 34.7



#84
1,2,4-Trimethylbenzene
Concen: 21.886 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VD061226.D
Acq: 21 Mar 2019 1:25

Tgt Ion:105 Resp: 410333
Ion Ratio Lower Upper
105 100
120 46.3 22.9 68.5





#85

sec-Butylbenzene

Concen: 21.565 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD061226.D

Acq: 21 Mar 2019 1:25

Instrument :

MSVOA_D

ClientSampleId :

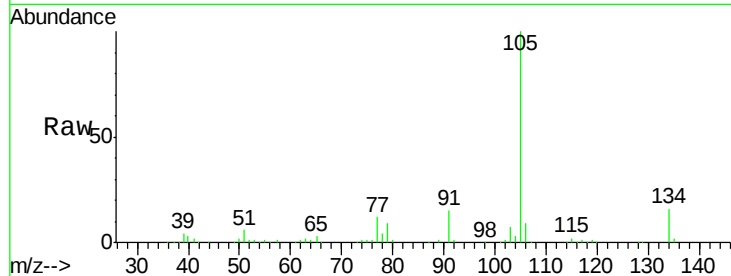
VD0320SBS02

Tot Ion:105 Resp: 540168

Ion Ratio Lower Upper

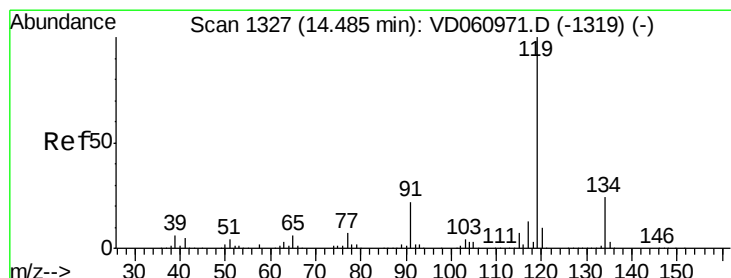
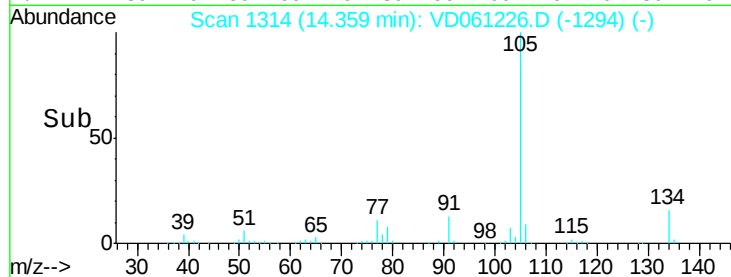
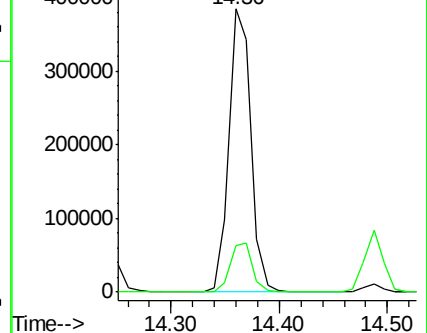
105 100

134 16.3 9.4 28.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 20.260 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD061226.D

Acq: 21 Mar 2019 1:25

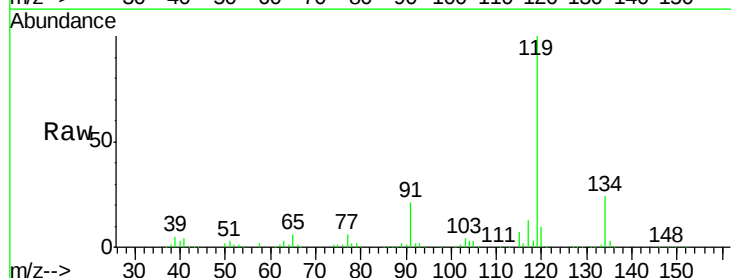
Tgt Ion:119 Resp: 414802

Ion Ratio Lower Upper

119 100

134 24.4 12.0 36.1

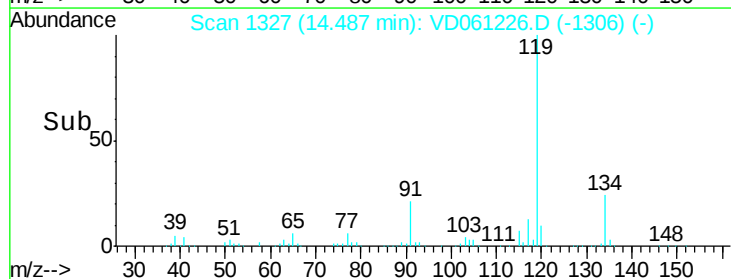
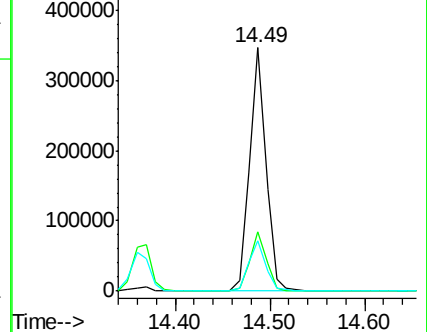
91 20.7 11.2 33.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

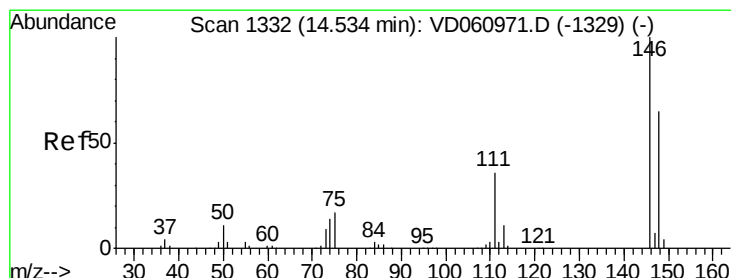
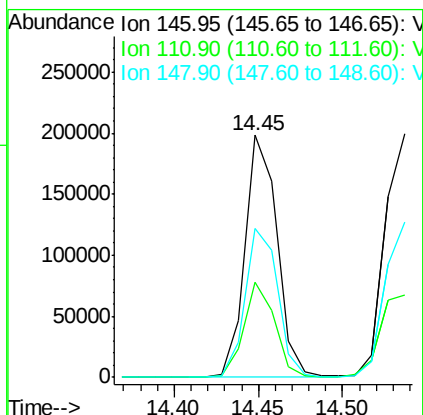
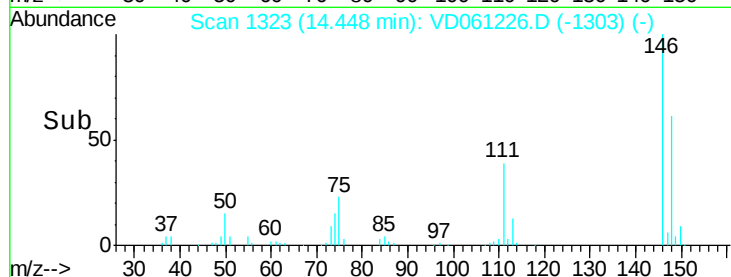
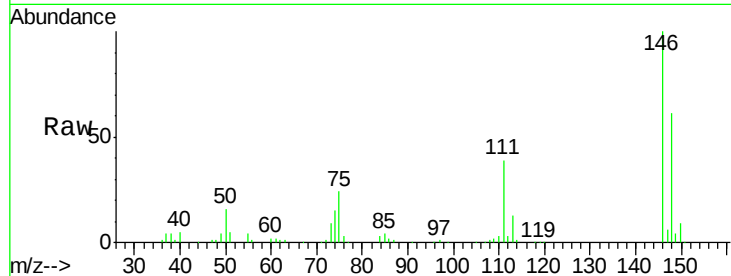




#87
 1,3-Dichlorobenzene
 Concen: 23.298 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD061226.D
 Acq: 21 Mar 2019 1:25

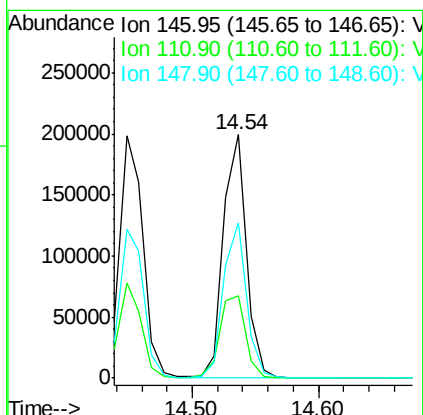
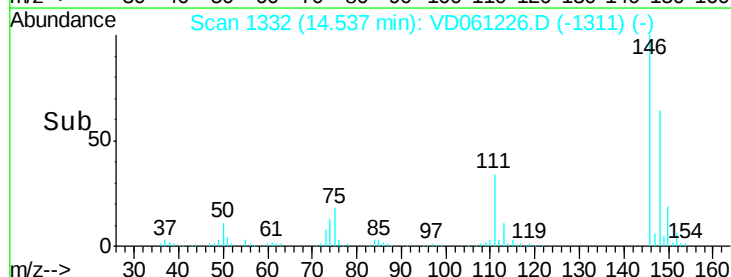
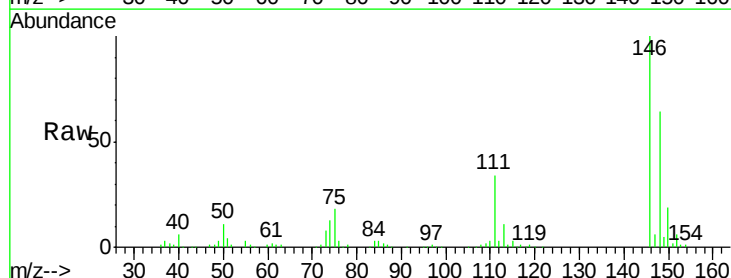
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320SBSD02

Tot Ion:146 Resp: 262264
 Ion Ratio Lower Upper
 146 100
 111 39.1 18.4 55.4
 148 61.2 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 22.823 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD061226.D
 Acq: 21 Mar 2019 1:25

Tgt Ion:146 Resp: 252469
 Ion Ratio Lower Upper
 146 100
 111 33.8 18.4 55.2
 148 63.9 32.5 97.5





#89

n-Butylbenzene

Concen: 20.667 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD061226.D

Acq: 21 Mar 2019 1:25

Instrument :

MSVOA_D

ClientSampleId :

VD0320SBS02

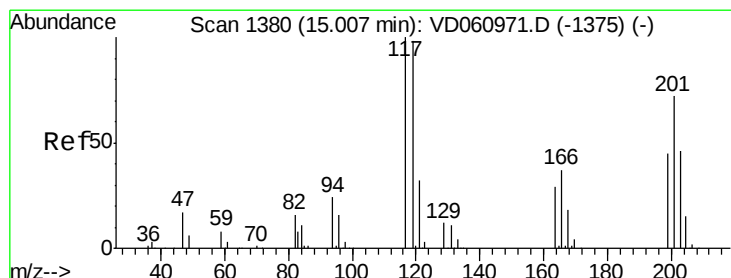
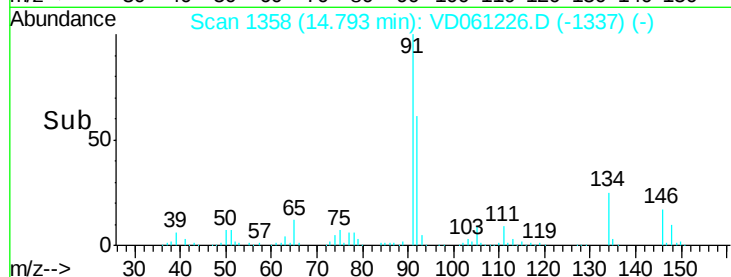
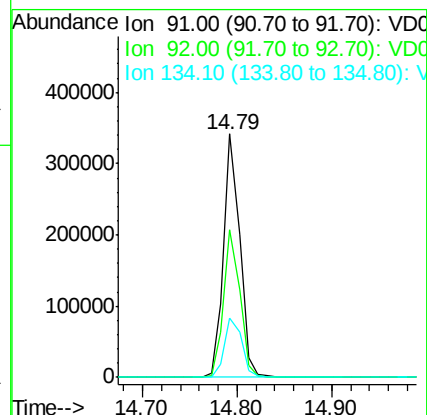
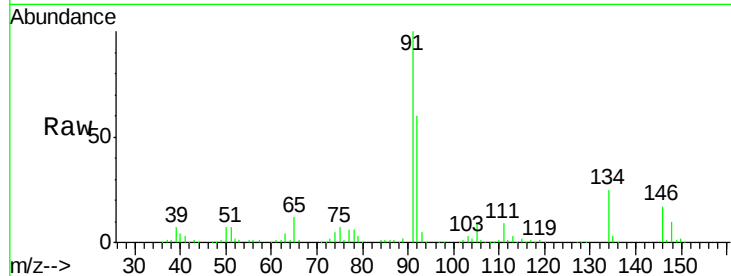
Tot Ion: 91 Resp: 406349

Ion Ratio Lower Upper

91 100

92 60.5 30.6 91.8

134 24.5 11.0 33.0



#90

Hexachloroethane

Concen: 19.694 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD061226.D

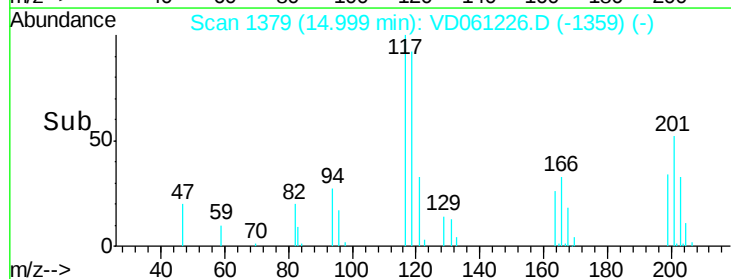
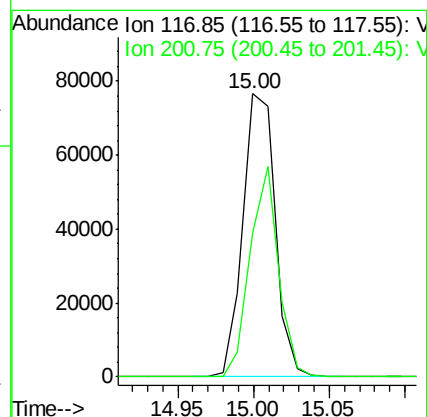
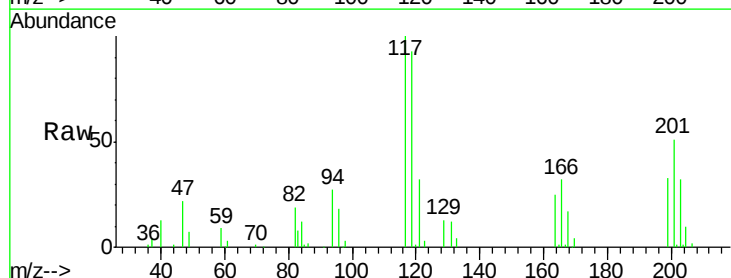
Acq: 21 Mar 2019 1:25

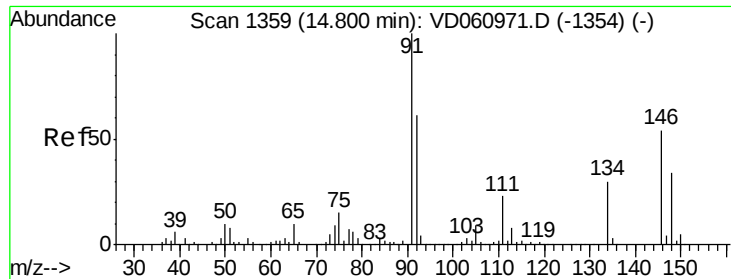
Tgt Ion: 117 Resp: 113859

Ion Ratio Lower Upper

117 100

201 50.7 36.2 108.6

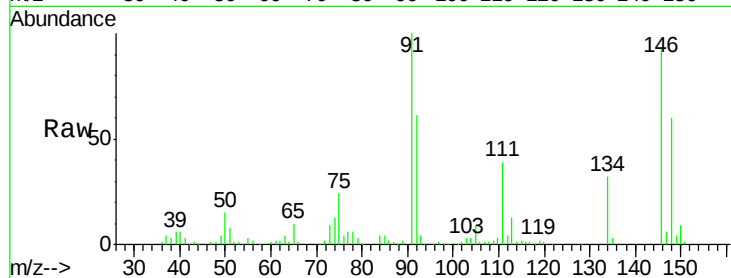




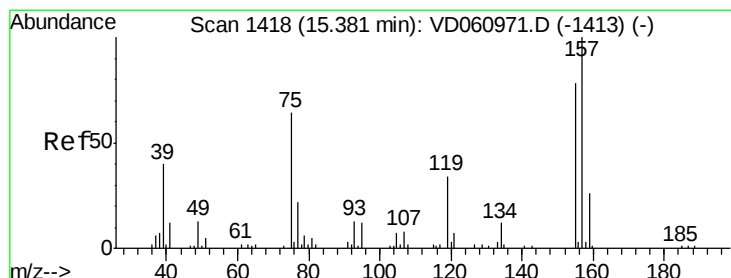
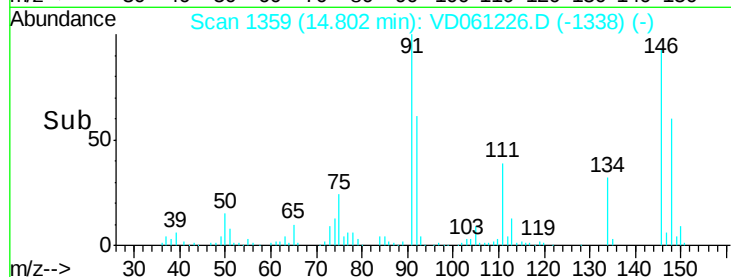
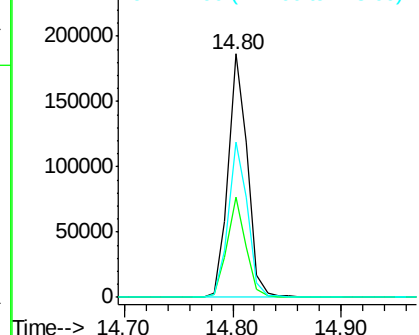
#91
 1,2-Dichlorobenzene
 Concen: 24.601 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD061226.D
 Acq: 21 Mar 2019 1:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320SBSD02

Tot Ion:146 Resp: 230865
 Ion Ratio Lower Upper
 146 100
 111 41.2 21.5 64.5
 148 63.9 30.9 92.8

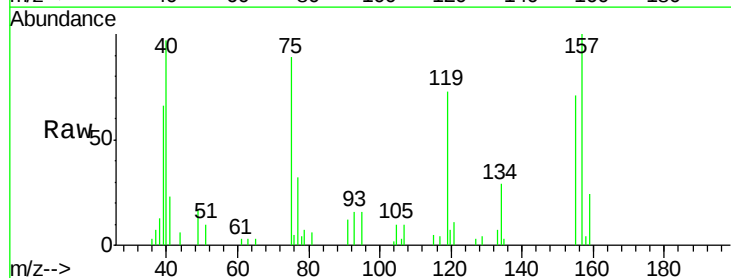


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

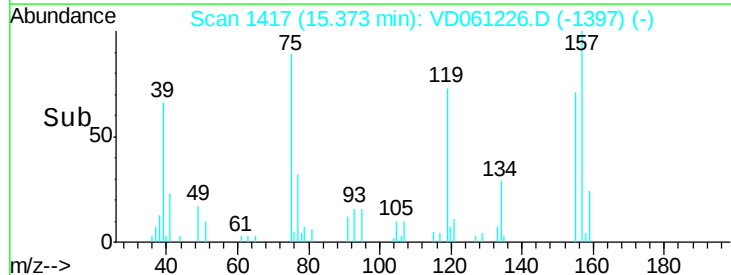
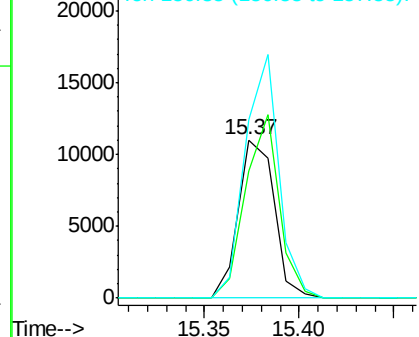


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.933 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD061226.D
 Acq: 21 Mar 2019 1:25

Tgt Ion: 75 Resp: 14477
 Ion Ratio Lower Upper
 75 100
 155 80.1 61.2 183.5
 157 112.5 78.3 234.8



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

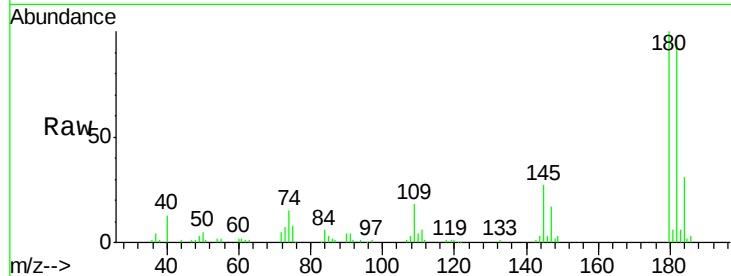




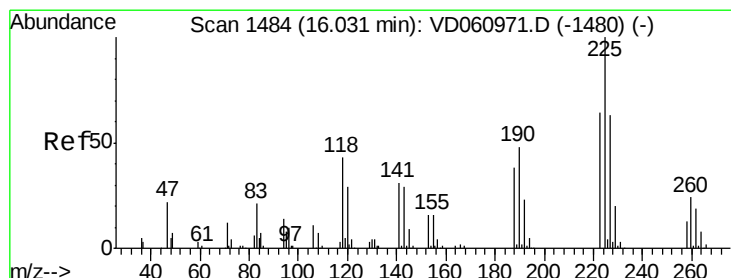
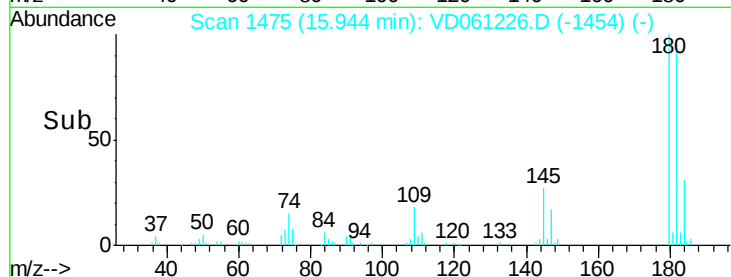
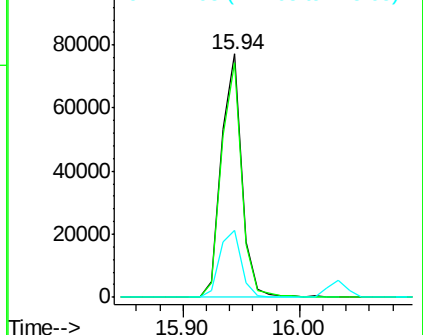
#93
 1,2,4-Trichlorobenzene
 Concen: 21.432 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD061226.D
 Acq: 21 Mar 2019 1:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320SBSD02

Tot Ion:180 Resp: 93303
 Ion Ratio Lower Upper
 180 100
 182 96.4 47.3 142.0
 145 27.3 14.4 43.0

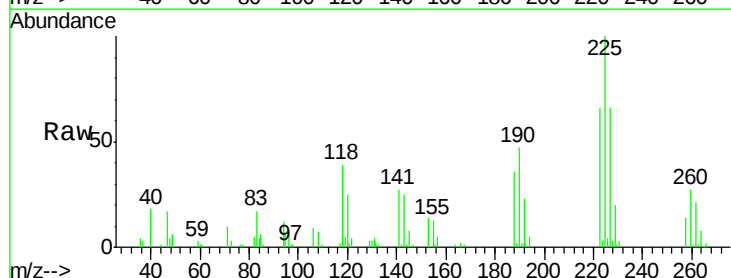


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

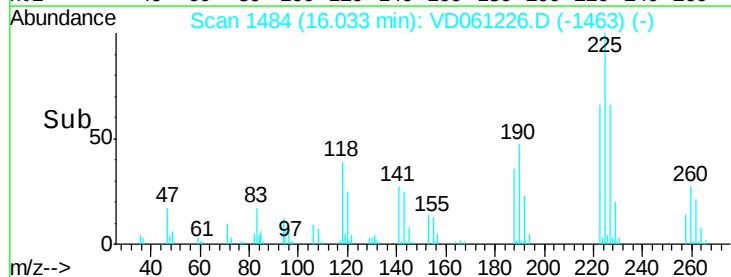
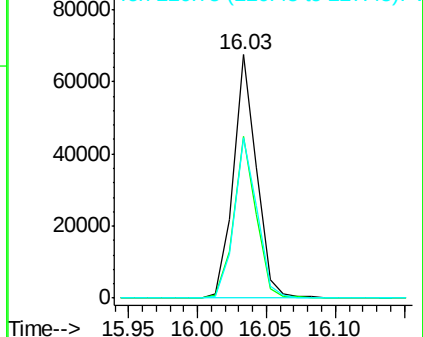


#94
 Hexachlorobutadiene
 Concen: 24.078 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD061226.D
 Acq: 21 Mar 2019 1:25

Tgt Ion:225 Resp: 79287
 Ion Ratio Lower Upper
 225 100
 223 66.2 31.8 95.3
 227 65.9 31.4 94.0



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: 26.255 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD061226.D

Acq: 21 Mar 2019 1:25

Instrument :

MSVOA_D

ClientSampleId :

VD0320SBS02

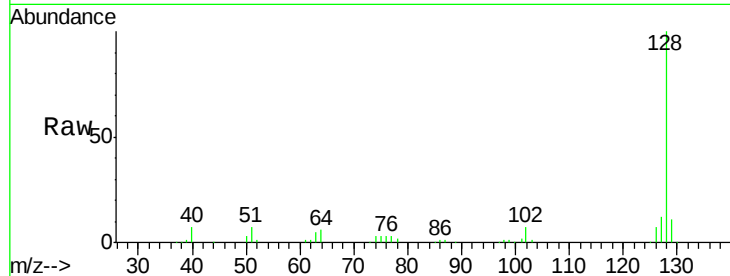
Tot Ion:128 Resp: 173696

Ion Ratio Lower Upper

128 100

127 11.6 9.8 14.8

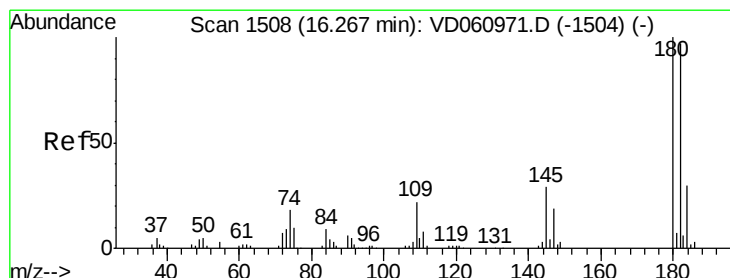
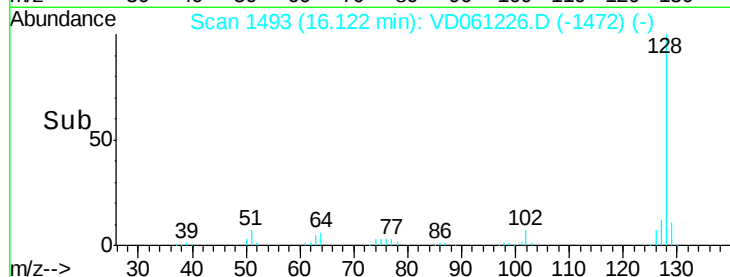
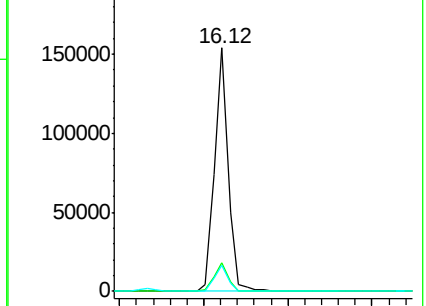
129 10.8 8.5 12.7



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: 24.296 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VD061226.D

Acq: 21 Mar 2019 1:25

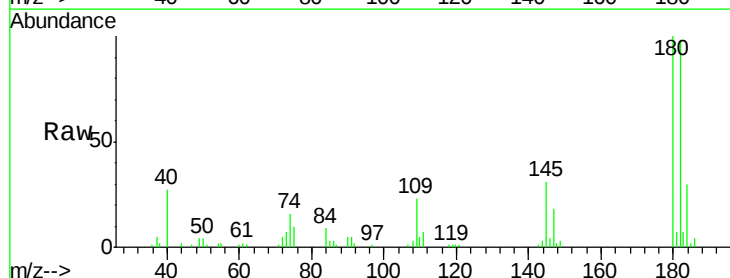
Tgt Ion:180 Resp: 52240

Ion Ratio Lower Upper

180 100

182 98.5 48.6 145.8

145 31.3 14.3 42.9



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

