

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092920\
 Data File : VD066937.D
 Acq On : 29 Sep 2020 14:29
 Operator : VA/SY
 Sample : L4172-01RE
 Misc : 5.05G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-6(3-4)

Quant Time: Sep 30 02:36:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	418206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	704117	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	740571	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	354554	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	203300	49.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.34%	
35) Dibromofluoromethane	7.91	113	225452	50.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.66%	
50) Toluene-d8	10.34	98	862929	56.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.08%	
62) 4-Bromofluorobenzene	12.63	95	318711	61.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	122.00%	

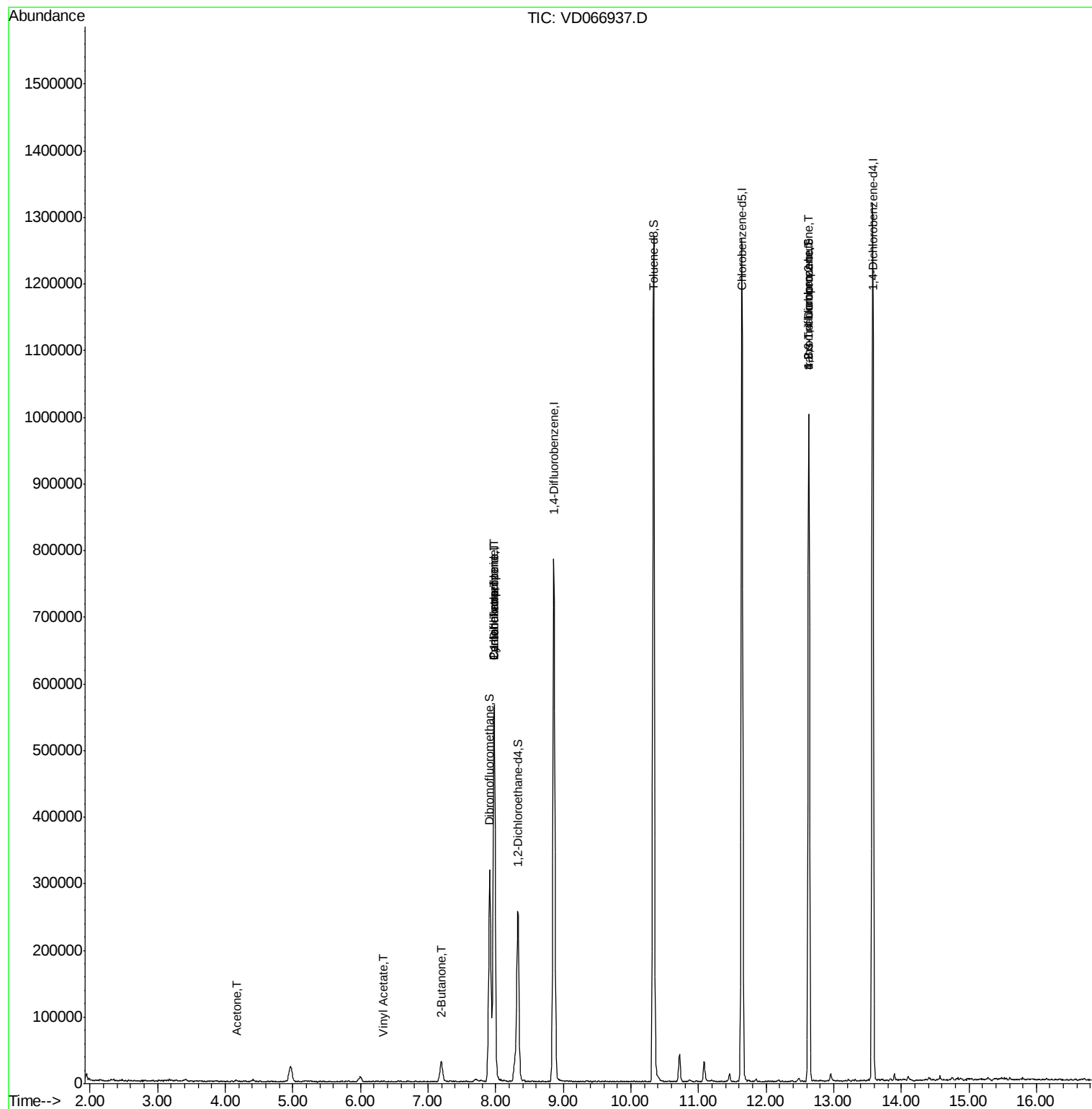
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	573	Below Cal		97
11) Tert butyl alcohol	5.21	59	1017	Below Cal	#	72
16) Acetone	4.16	43	2945	3.392	ug/l	89
18) Methyl Acetate	4.73	43	84	Below Cal	#	50
20) Methylene Chloride	4.97	84	18067	Below Cal	#	88
23) Vinyl Acetate	6.33	43	104	2.687	ug/l #	71
25) 2-Butanone	7.19	43	1360	1.303	ug/l	90
31) Cyclohexane	7.98	56	9109	1.224	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	32858	4.704	ug/l #	51
38) Carbon Tetrachloride	7.98	117	43538	5.701	ug/l #	16
76) 1,2,3-Trichloropropane	12.63	75	162005	55.136	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	162005	137.946	ug/l #	10

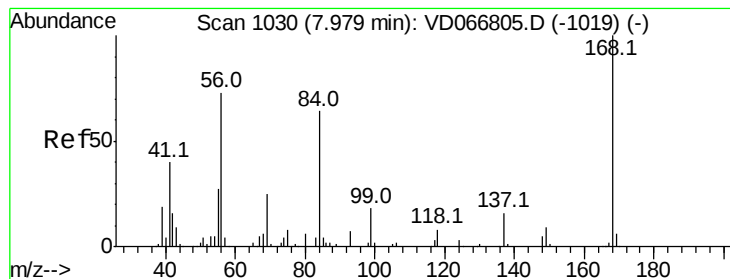
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Sep 23 01:34:05 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066937.D

Acq: 29 Sep 2020 14:29

Instrument :

MSVOA_D

ClientSampleId :

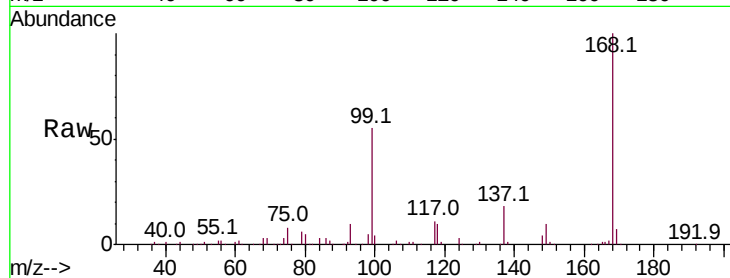
B-6(3-4)

Tot Ion:168 Resp: 418206

Ion Ratio Lower Upper

168 100

99 55.2 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

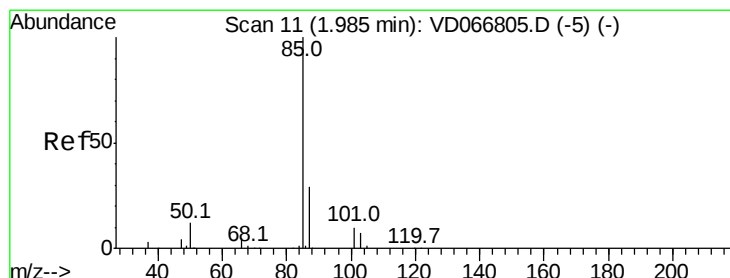
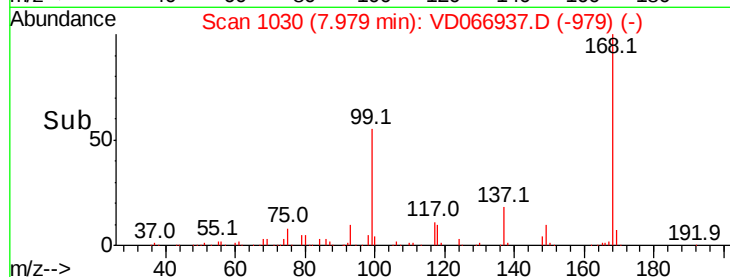
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10 8.20



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066937.D

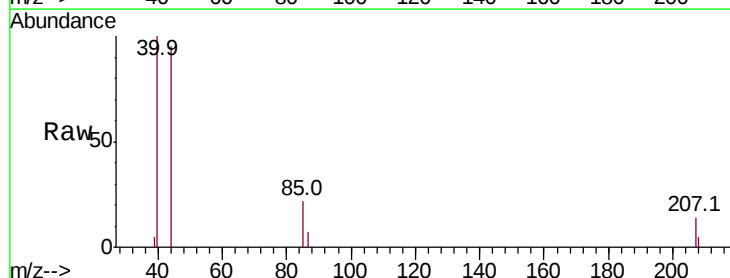
Acq: 29 Sep 2020 14:29

Tgt Ion: 85 Resp: 573

Ion Ratio Lower Upper

85 100

87 30.6 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

800

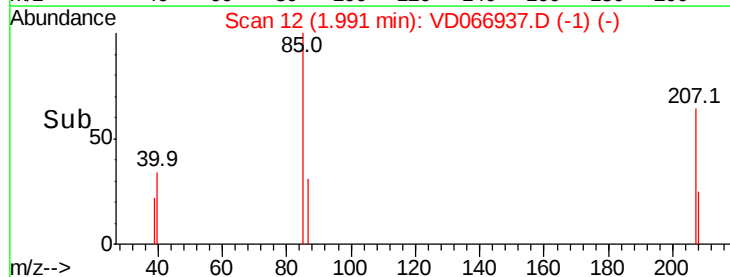
600

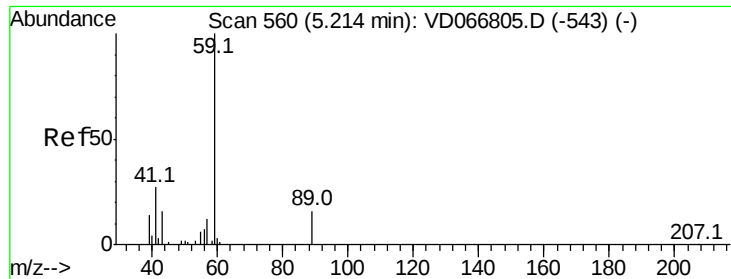
400

200

0

Time--> 1.96 1.98 2.00 2.02

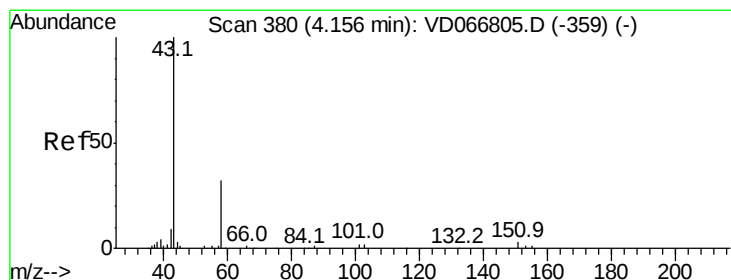
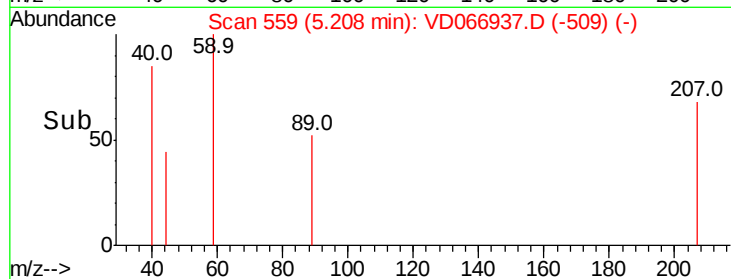
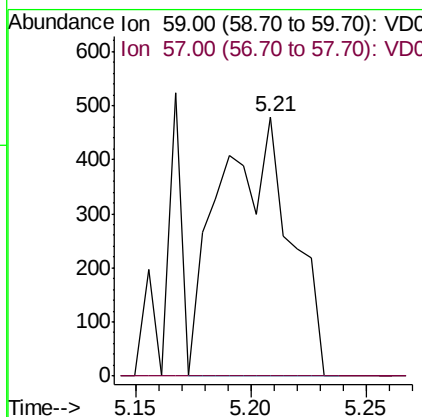
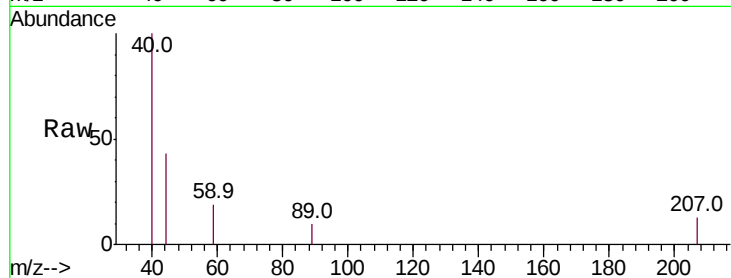




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.21 min Scan# 559
Delta R.T. -0.01 min
Lab File: VD066937.D
Acq: 29 Sep 2020 14:29

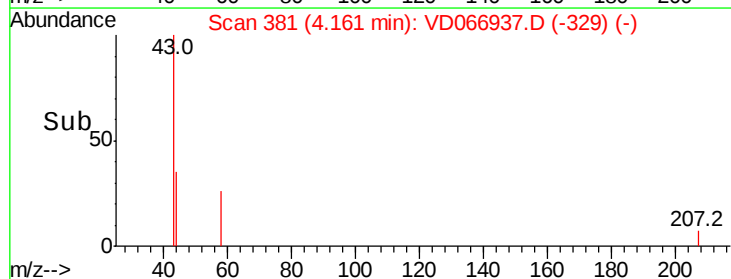
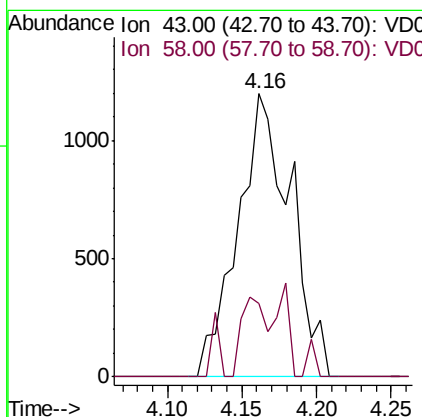
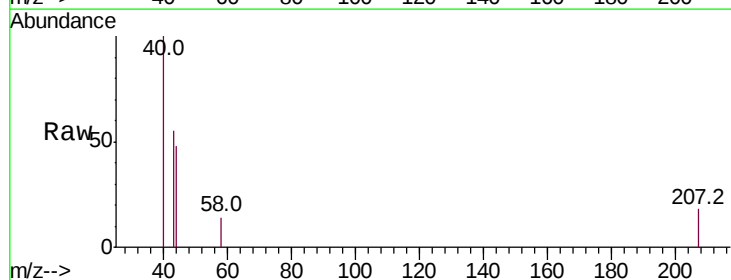
Instrument :
MSVOA_D
ClientSampleId :
B-6(3-4)

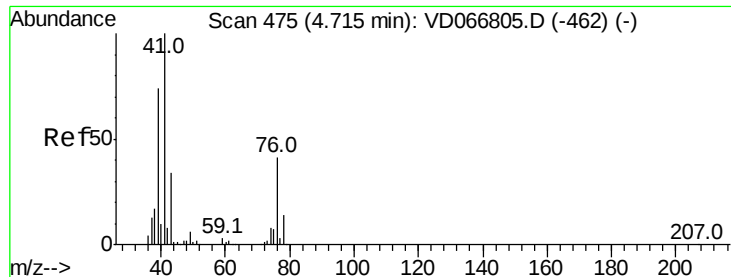
Tot Ion: 59 Resp: 1017
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 3.392 ug/l
RT: 4.16 min Scan# 381
Delta R.T. 0.01 min
Lab File: VD066937.D
Acq: 29 Sep 2020 14:29

Tgt Ion: 43 Resp: 2945
Ion Ratio Lower Upper
43 100
58 26.0 25.6 38.4

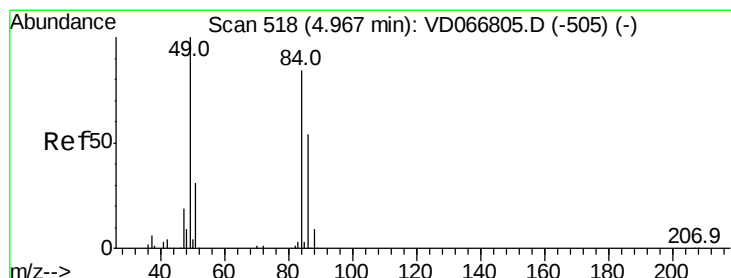
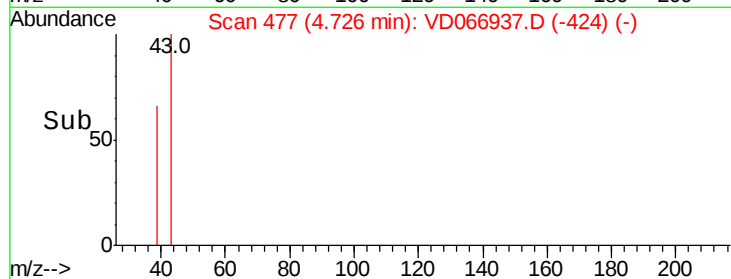
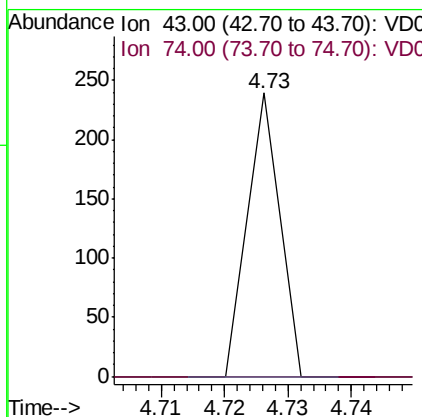
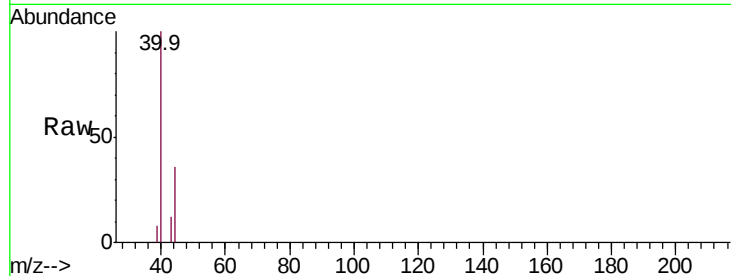




#18
Methyl Acetate
Concen: Below Cal
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD066937.D
Acq: 29 Sep 2020 14:29

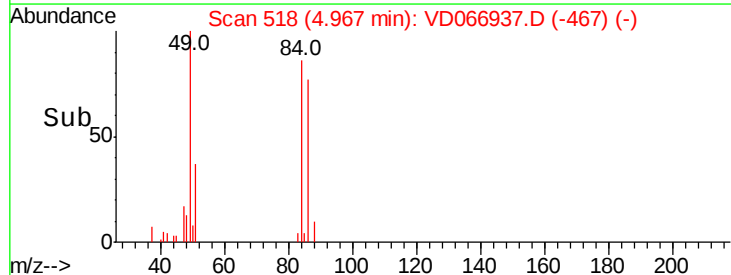
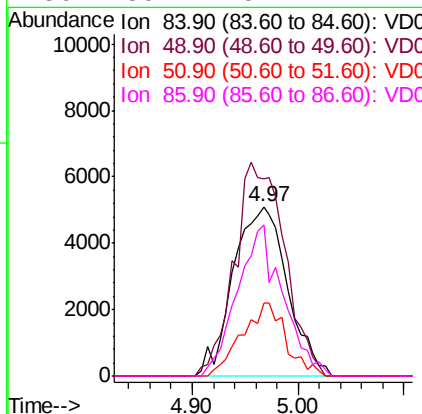
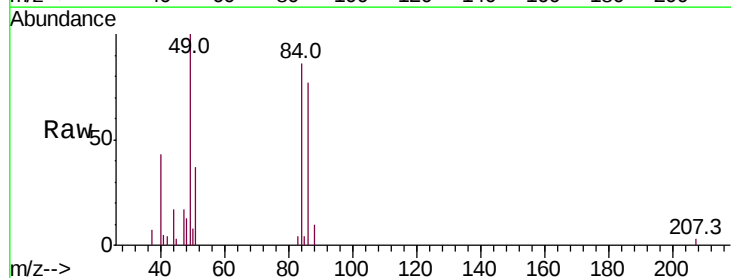
Instrument :
MSVOA_D
ClientSampled :
B-6(3-4)

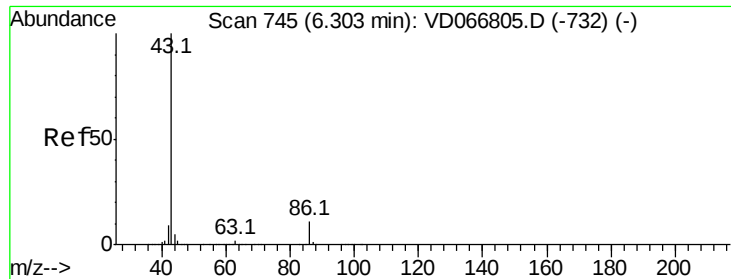
Tot Ion: 43 Resp: 84
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066937.D
Acq: 29 Sep 2020 14:29

Tgt Ion: 84 Resp: 18067
Ion Ratio Lower Upper
84 100
49 116.3 95.4 143.2
51 43.4 29.7 44.5
86 89.1 51.4 77.2#





#23

Vinyl Acetate

Concen: 2.687 ug/l

RT: 6.33 min Scan# 750

Delta R.T. 0.03 min

Lab File: VD066937.D

Acq: 29 Sep 2020 14:29

Instrument :

MSVOA_D

ClientSampleId :

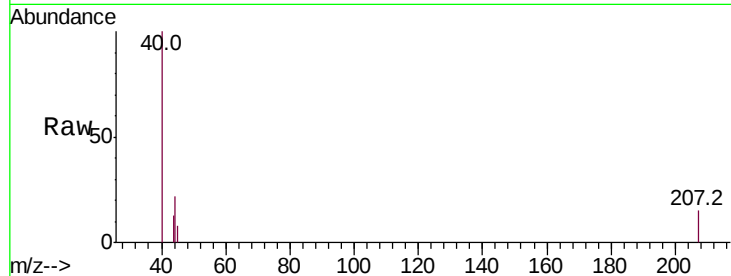
B-6(3-4)

Tot Ion: 43 Resp: 104

Ion Ratio Lower Upper

43 100

86 0.0 8.9 13.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.33

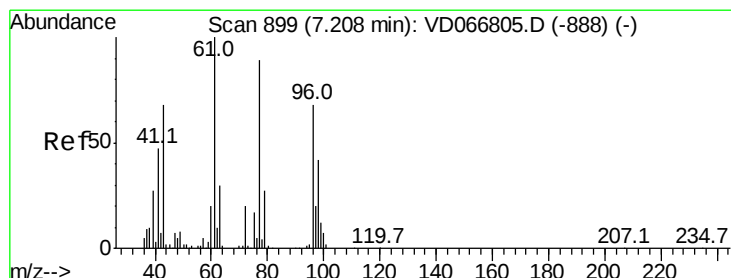
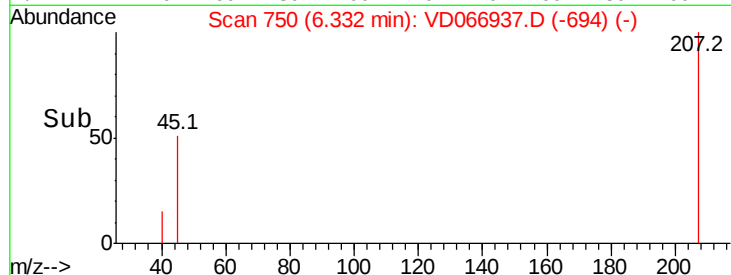
300

200

100

0

Time--> 6.31 6.32 6.33 6.34 6.35



#25

2-Butanone

Concen: 1.303 ug/l

RT: 7.19 min Scan# 896

Delta R.T. -0.02 min

Lab File: VD066937.D

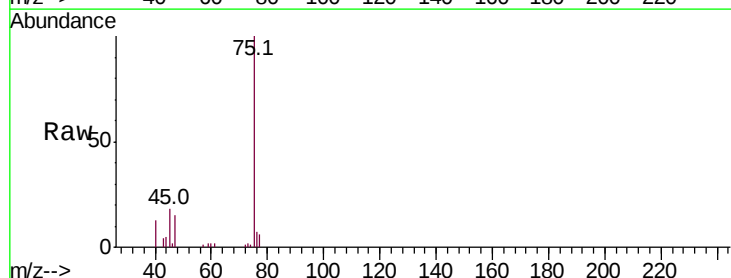
Acq: 29 Sep 2020 14:29

Tgt Ion: 43 Resp: 1360

Ion Ratio Lower Upper

43 100

72 23.3 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.19

800

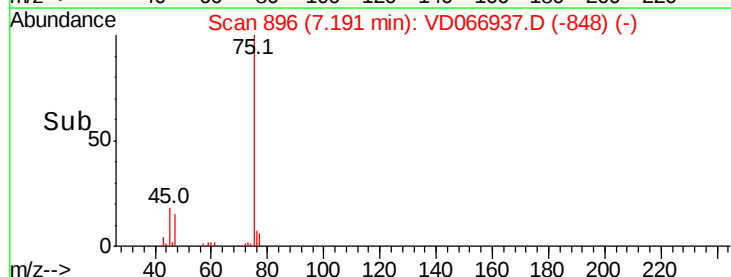
600

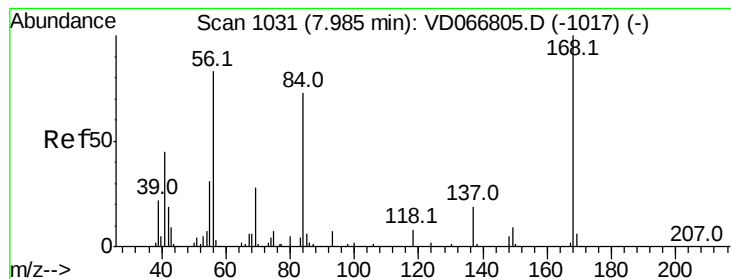
400

200

0

Time--> 7.14 7.16 7.18 7.20 7.22





#31

Cyclohexane

Concen: 1.224 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066937.D

Acq: 29 Sep 2020 14:29

Instrument :

MSVOA_D

ClientSampled :

B-6(3-4)

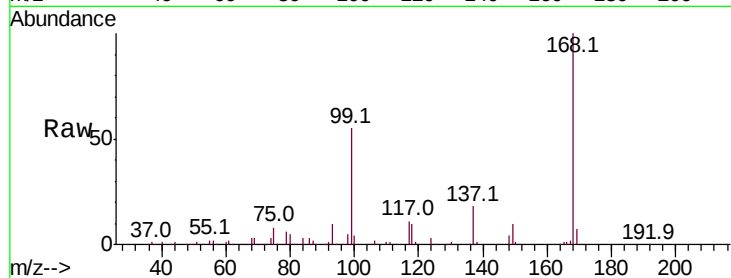
Tot Ion: 56 Resp: 9109

Ion Ratio Lower Upper

56 100

69 163.5 27.0 40.4#

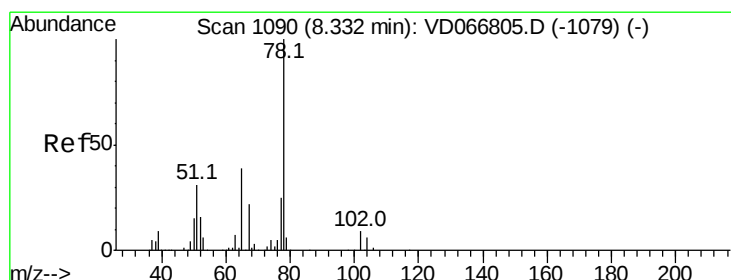
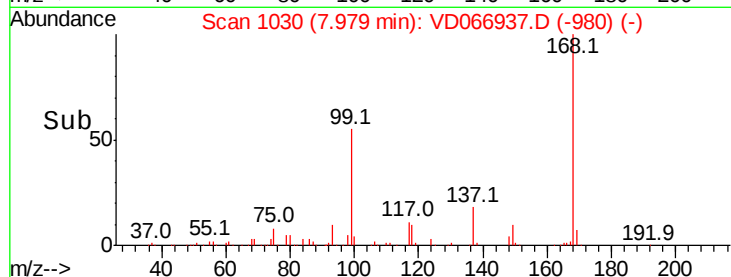
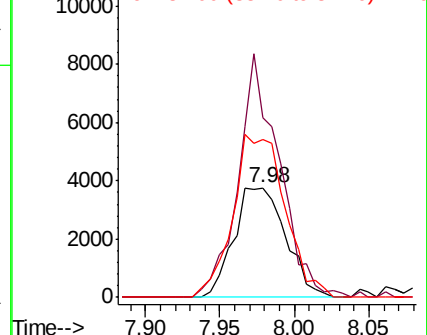
84 144.5 70.2 105.4#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 49.667 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066937.D

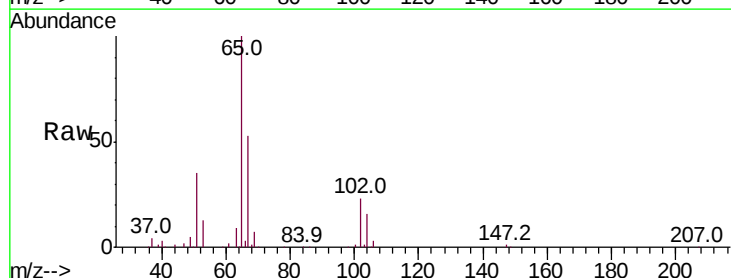
Acq: 29 Sep 2020 14:29

Tgt Ion: 65 Resp: 203300

Ion Ratio Lower Upper

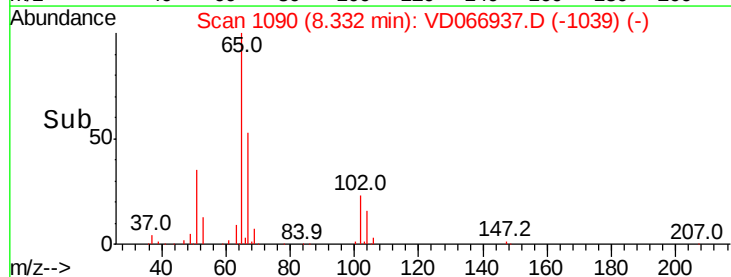
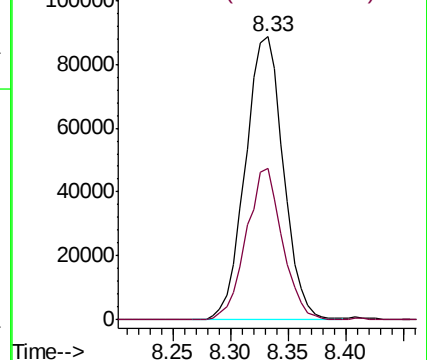
65 100

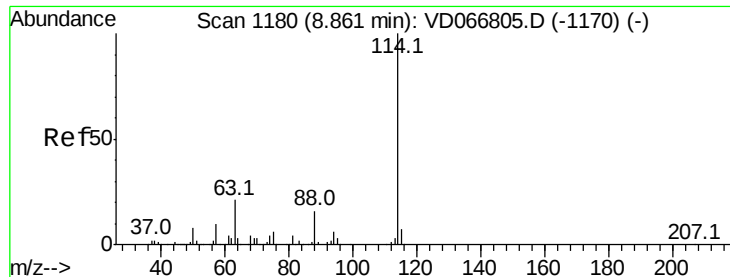
67 50.7 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

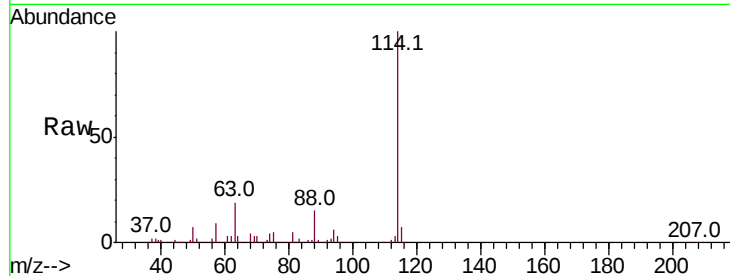




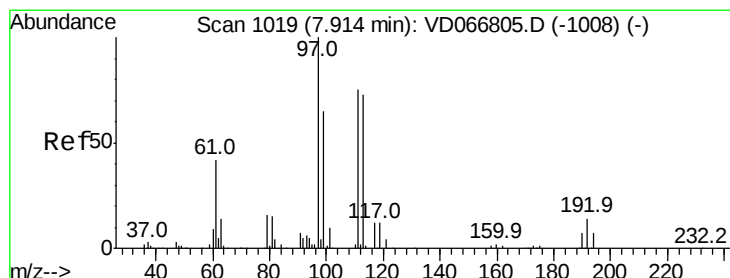
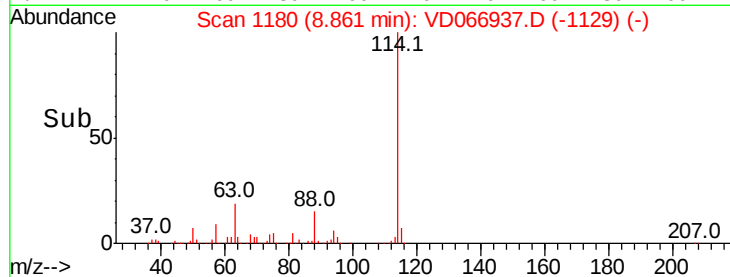
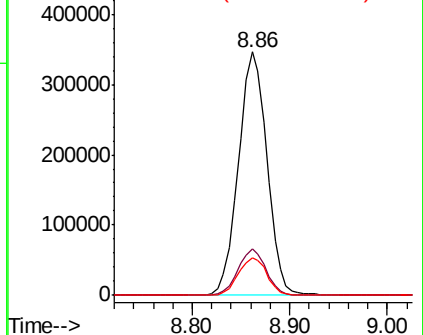
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066937.D
 Acq: 29 Sep 2020 14:29

Instrument :
 MSVOA_D
 ClientSampleId :
 B-6(3-4)

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	42.6
88	15.2	0.0	32.6

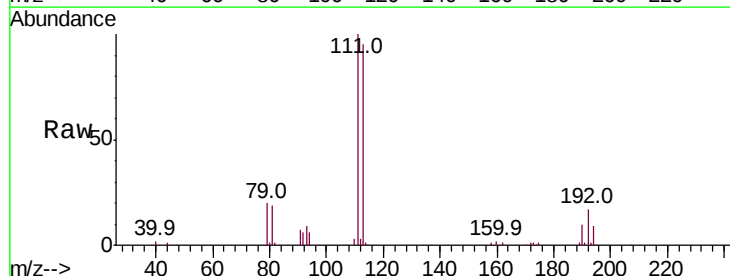


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

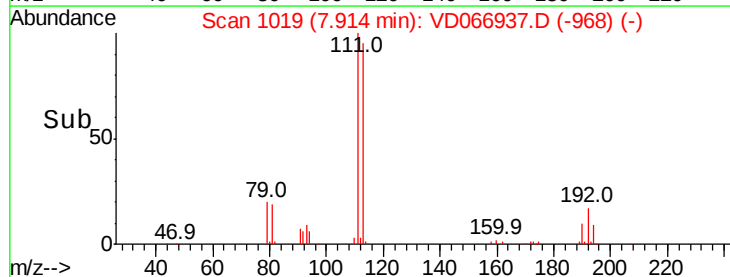
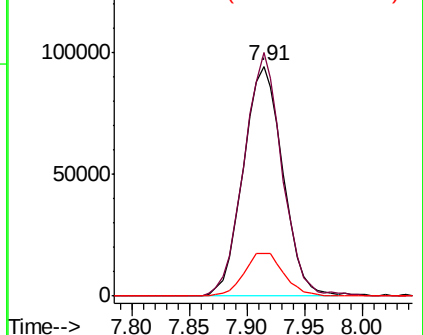


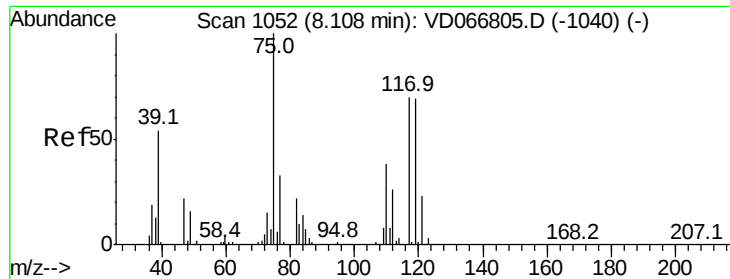
#35
 Dibromofluoromethane
 Concen: 50.329 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD066937.D
 Acq: 29 Sep 2020 14:29

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.8	122.8
192	18.9	14.4	21.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.704 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066937.D

Acq: 29 Sep 2020 14:29

Instrument :

MSVOA_D

ClientSampleId :

B-6(3-4)

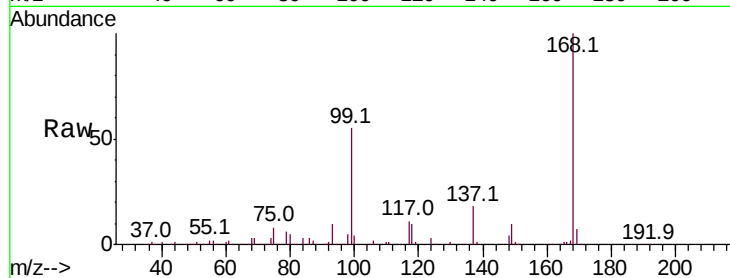
Tot Ion: 75 Resp: 32858

Ion Ratio Lower Upper

75 100

110 11.0 17.9 53.8#

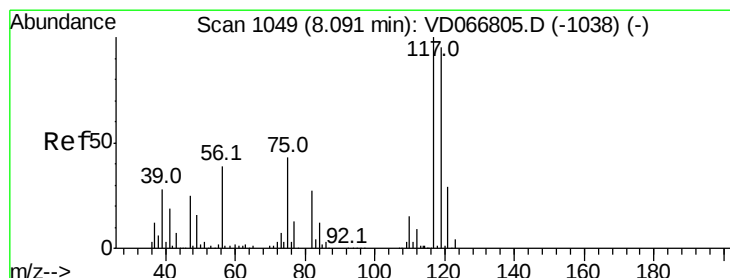
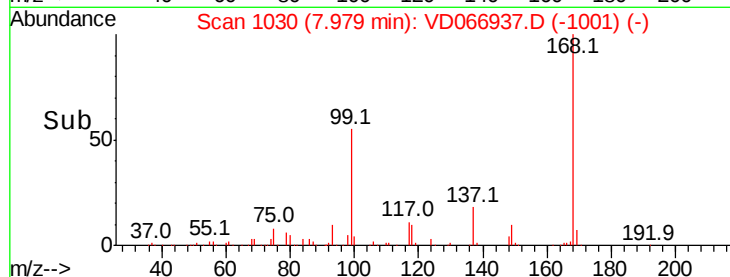
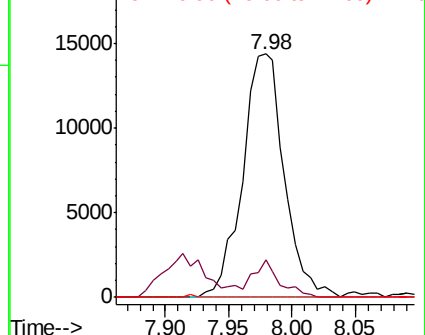
77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V



#38

Carbon Tetrachloride

Concen: 5.701 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066937.D

Acq: 29 Sep 2020 14:29

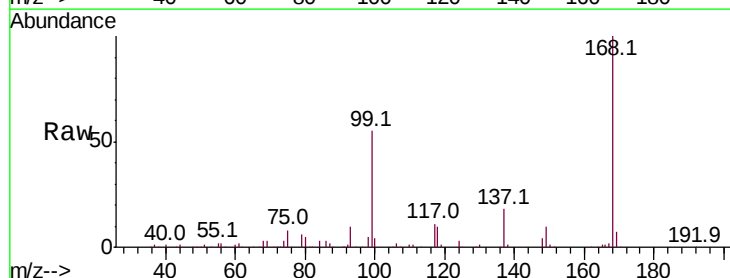
Tgt Ion:117 Resp: 43538

Ion Ratio Lower Upper

117 100

119 5.1 75.8 113.8#

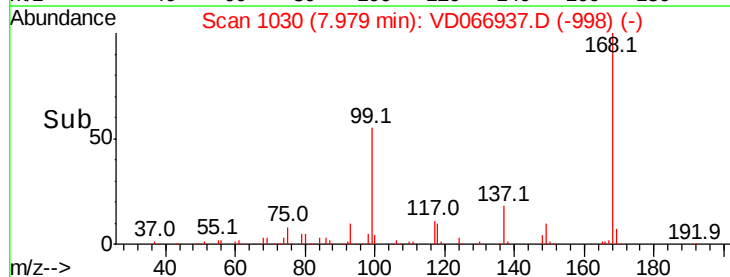
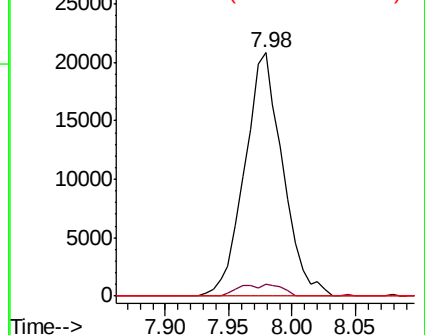
121 0.0 23.4 35.0#

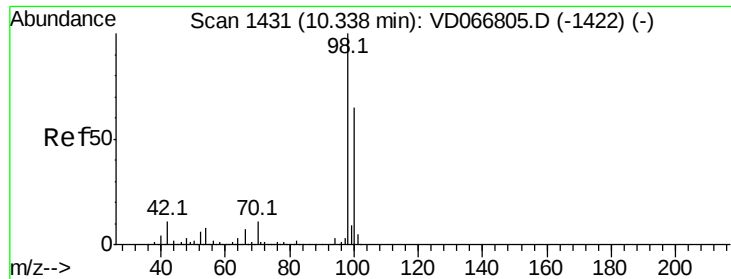


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

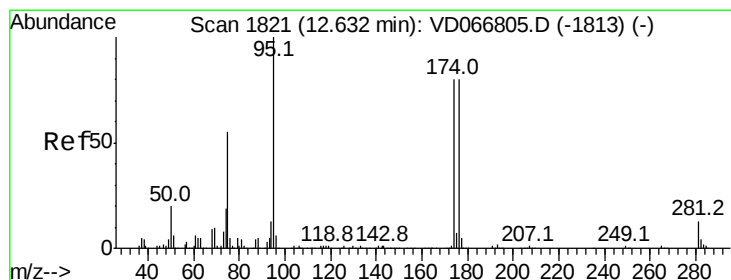
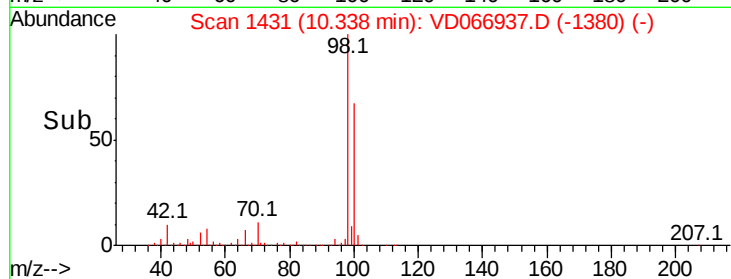
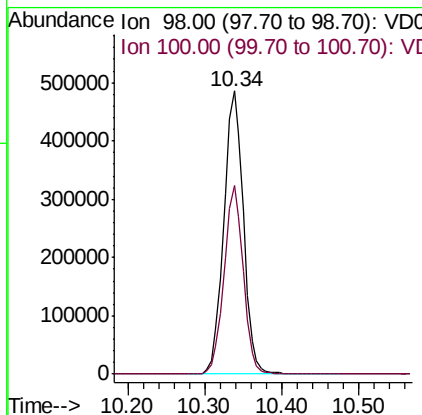
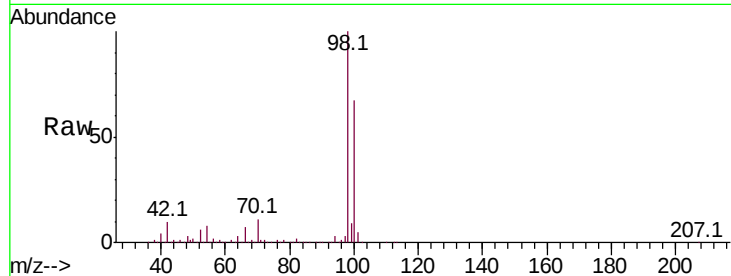




#50
Toluene-d8
Concen: 56.538 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066937.D
Acq: 29 Sep 2020 14:29

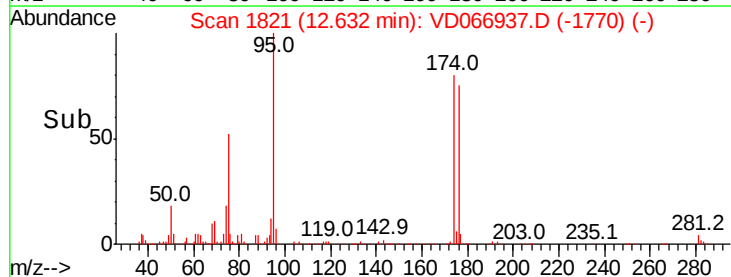
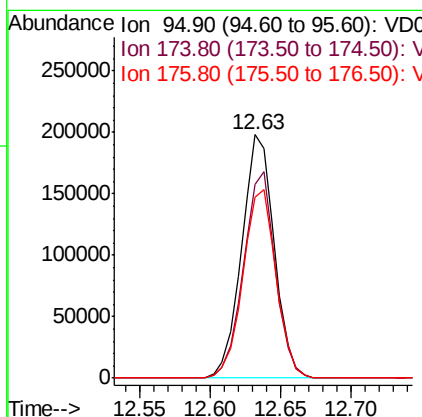
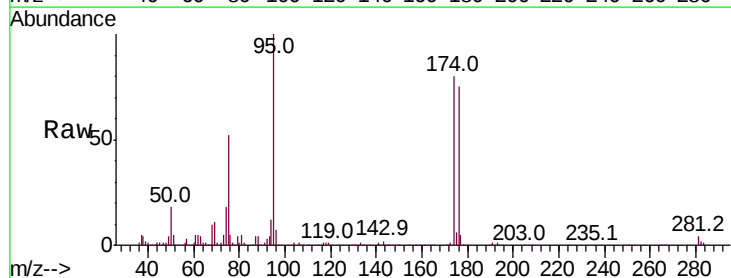
Instrument :
MSVOA_D
ClientSampled :
B-6(3-4)

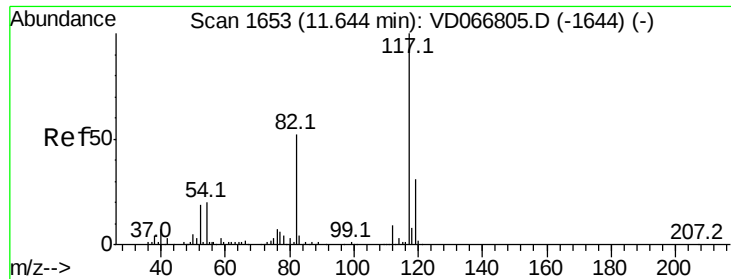
Tot Ion: 98 Resp: 862929
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 60.998 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066937.D
Acq: 29 Sep 2020 14:29

Tgt Ion: 95 Resp: 318711
Ion Ratio Lower Upper
95 100
174 83.3 0.0 159.8
176 79.1 0.0 154.4

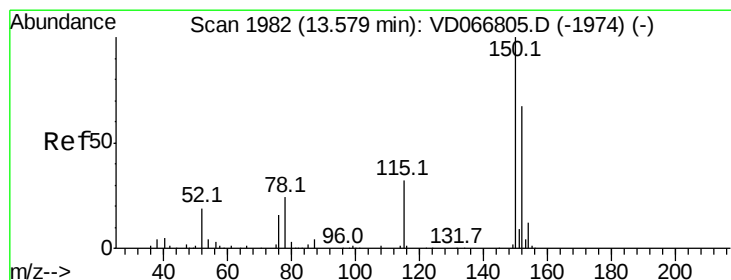
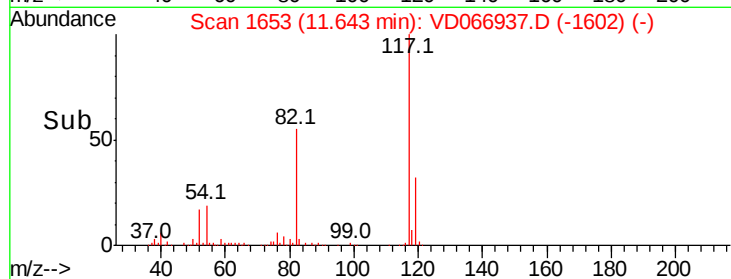
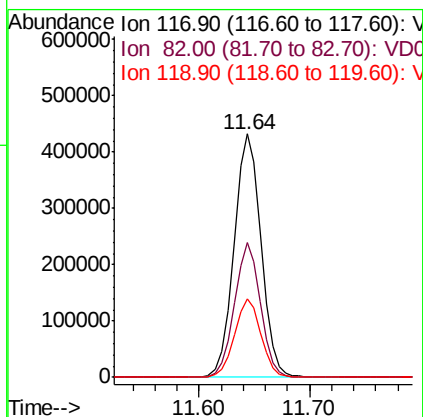
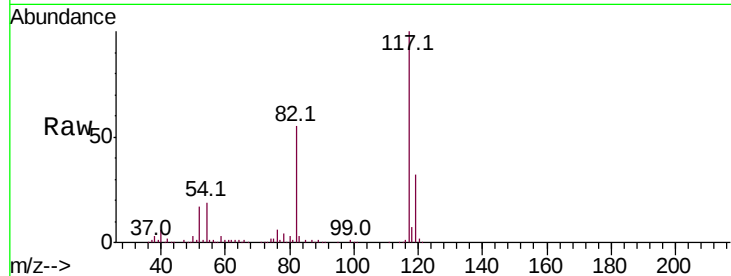




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066937.D
Acq: 29 Sep 2020 14:29

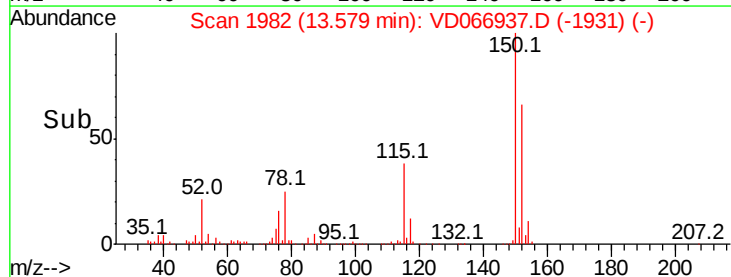
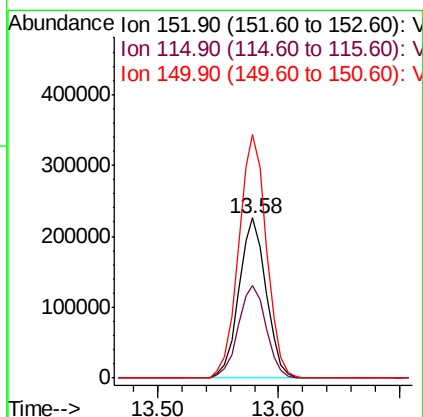
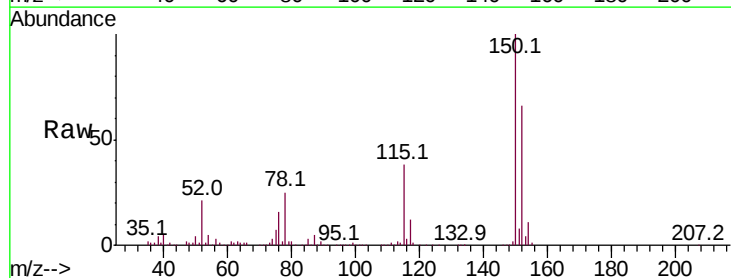
Instrument :
MSVOA_D
ClientSampleID :
B-6(3-4)

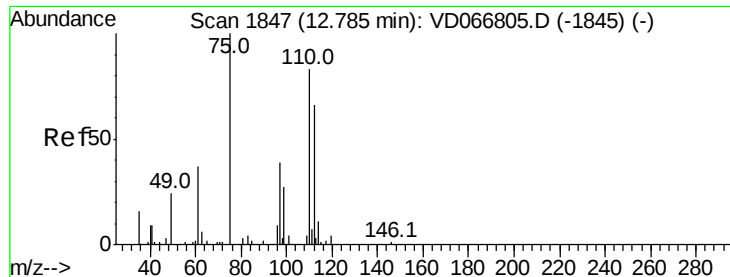
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.1	41.8	62.6
119	32.2	24.6	37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066937.D
Acq: 29 Sep 2020 14:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.5	30.3	91.0
150	155.0	0.0	346.2





#76

1,2,3-Trichloropropane

Concen: 55.136 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066937.D

Acq: 29 Sep 2020 14:29

Instrument :

MSVOA_D

ClientSampleId :

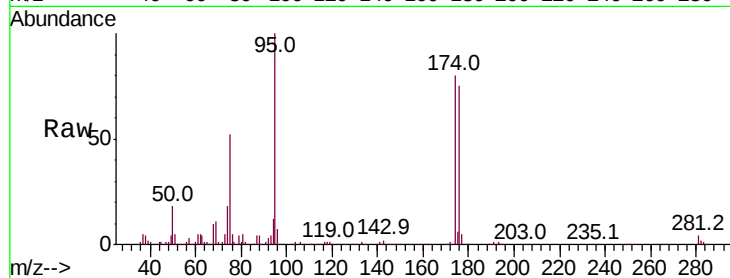
B-6(3-4)

Tot Ion: 75 Resp: 162005

Ion Ratio Lower Upper

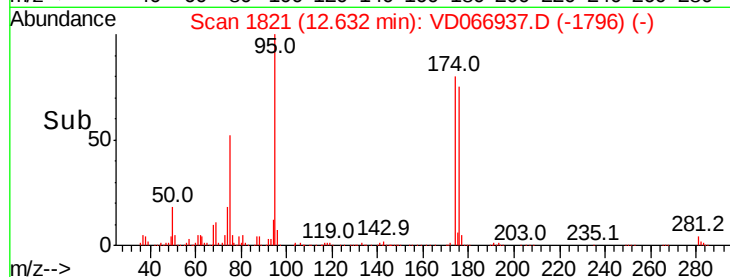
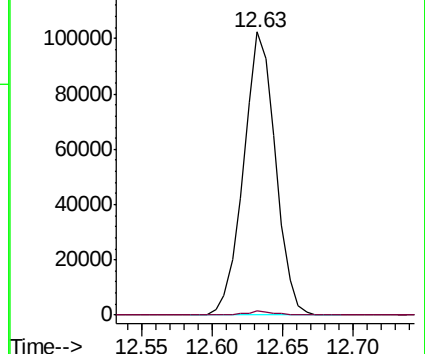
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 137.946 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066937.D

Acq: 29 Sep 2020 14:29

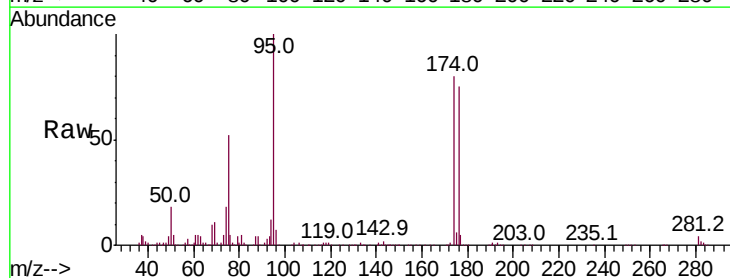
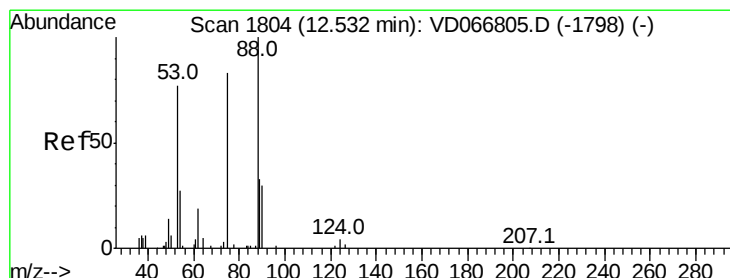
Tgt Ion: 75 Resp: 162005

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.1 38.1 57.1#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

