

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092220\
 Data File : VD066818.D
 Acq On : 22 Sep 2020 18:35
 Operator : VA/SY
 Sample : L4099-07
 Misc : 4.38G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 105

Quant Time: Sep 23 02:09:38 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	323927	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	607542	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	613667	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	271980	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	212525	67.03	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	134.06%	
35) Dibromofluoromethane	7.91	113	208586	53.97	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.94%	
50) Toluene-d8	10.34	98	750339	56.98	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	113.96%	
62) 4-Bromofluorobenzene	12.63	95	258345	57.30	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	114.60%	

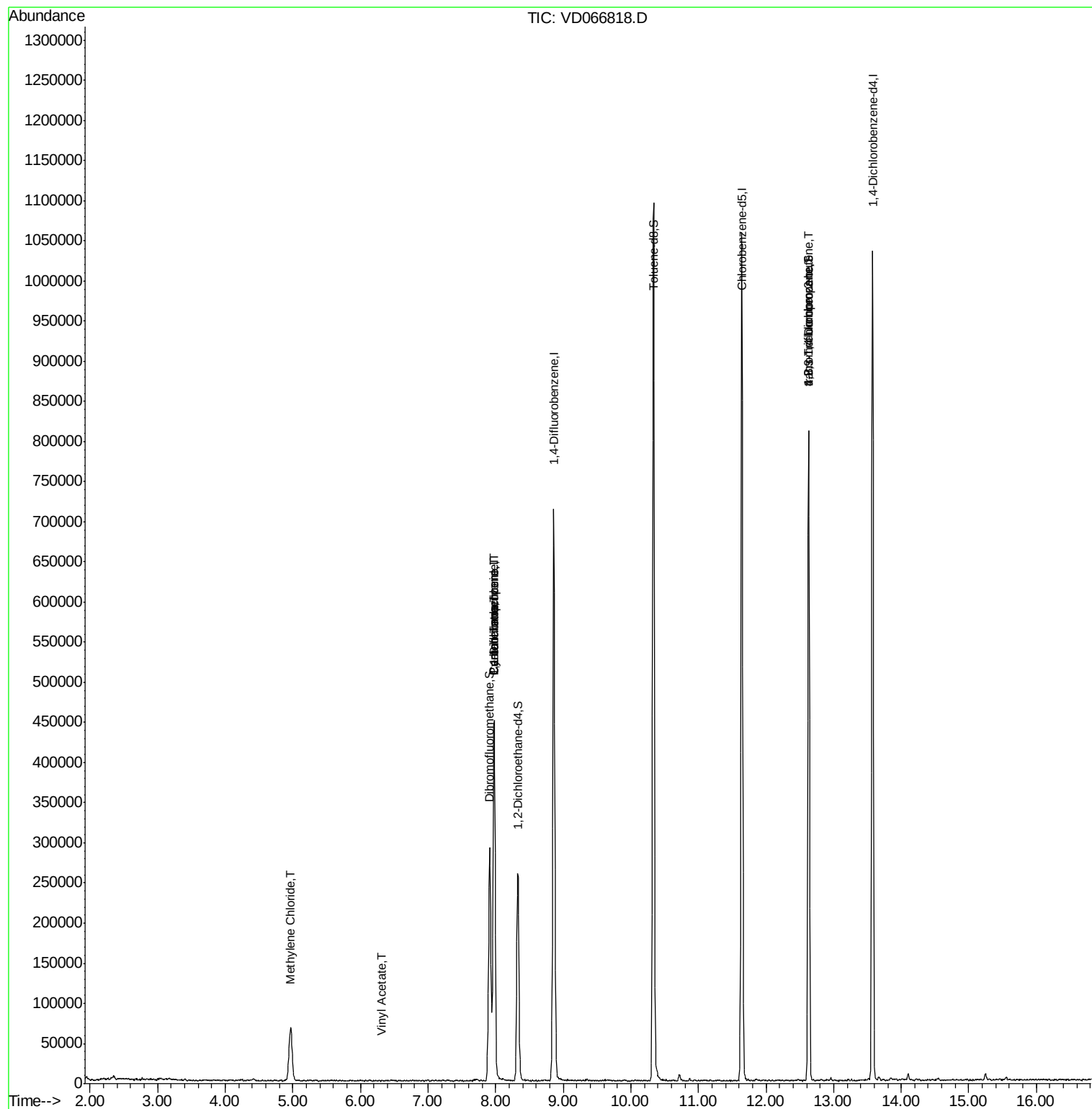
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	77	Below Cal	#	46
18) Methyl Acetate	4.83	43	67	Below Cal	#	50
20) Methylene Chloride	4.96	84	55233	10.633	ug/l	91
23) Vinyl Acetate	6.31	43	66	2.684	ug/l #	71
31) Cyclohexane	7.97	56	7569	1.313	ug/l #	13
36) 1,1-Dichloropropene	7.98	75	27579	4.576	ug/l #	50
38) Carbon Tetrachloride	7.98	117	35059	5.320	ug/l #	19
49) 1,4-Dioxane	9.47	88	70	Below Cal	#	23
76) 1,2,3-Trichloropropane	12.63	75	139191	61.754	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	139191	154.503	ug/l #	10

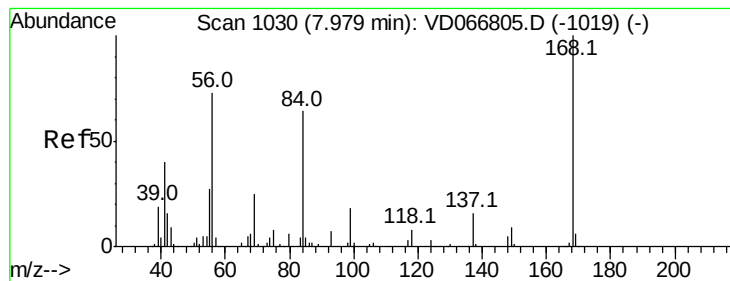
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066818.D

Acq: 22 Sep 2020 18:35

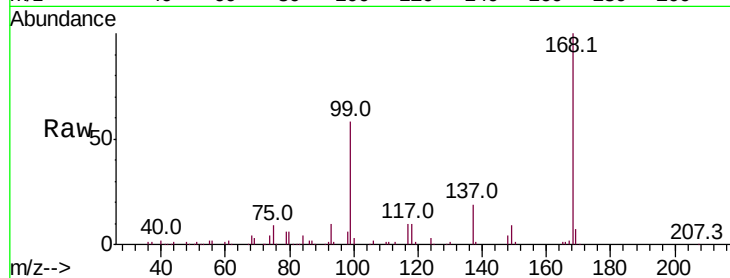
Instrument :
MSVOA_D
ClientSampleId :
105

Tot Ion:168 Resp: 323927

Ion Ratio Lower Upper

168 100

99 58.4 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

150000

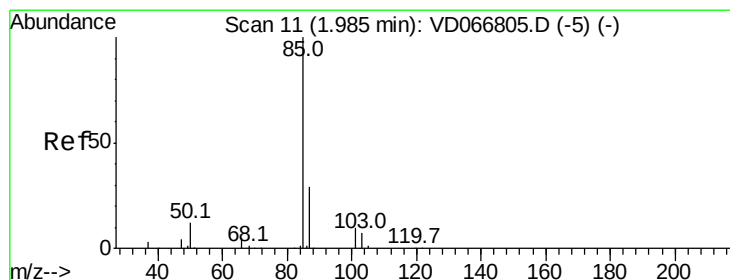
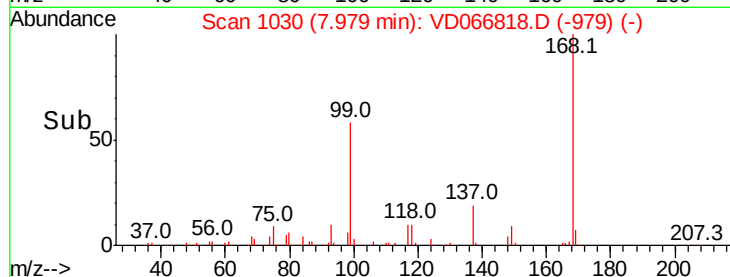
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.98 min Scan# 10

Delta R.T. -0.01 min

Lab File: VD066818.D

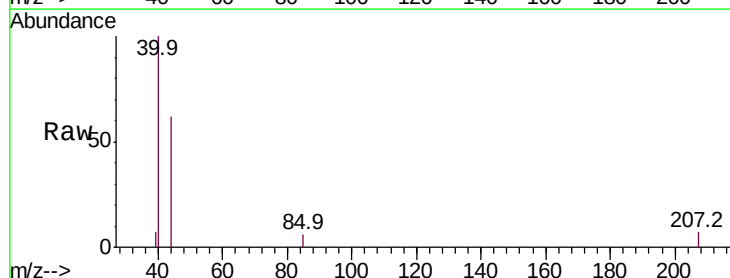
Acq: 22 Sep 2020 18:35

Tgt Ion: 85 Resp: 77

Ion Ratio Lower Upper

85 100

87 0.0 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

300

250

200

150

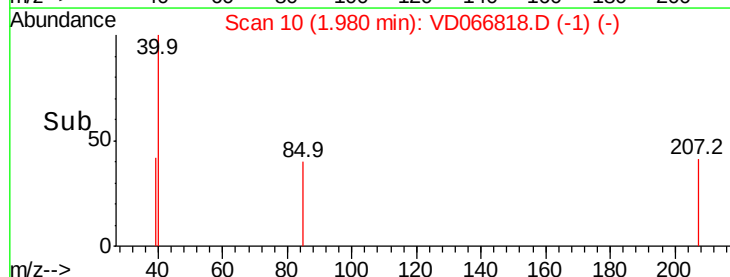
100

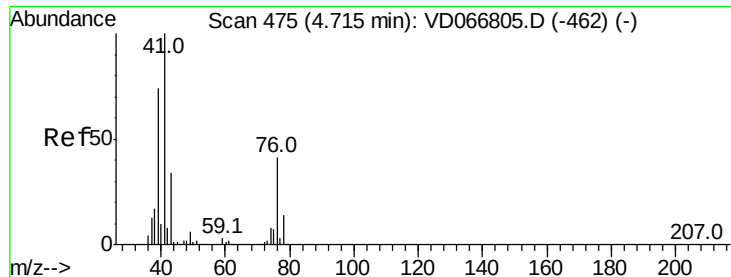
50

0

Time-->

1.96 1.97 1.98 1.99





#18

Methyl Acetate

Concen: Below Cal

RT: 4.83 min Scan# 495

Delta R.T. 0.12 min

Lab File: VD066818.D

Acq: 22 Sep 2020 18:35

Instrument :

MSVOA_D

ClientSampleId :

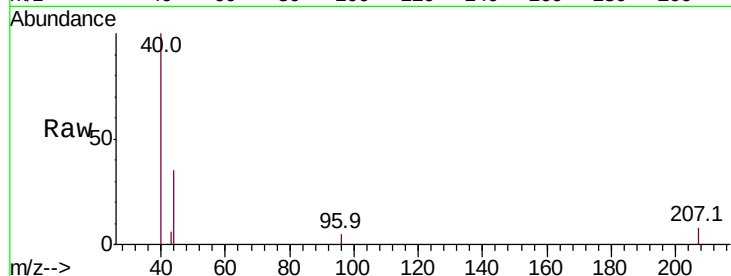
105

Tot Ion: 43 Resp: 67

Ion Ratio Lower Upper

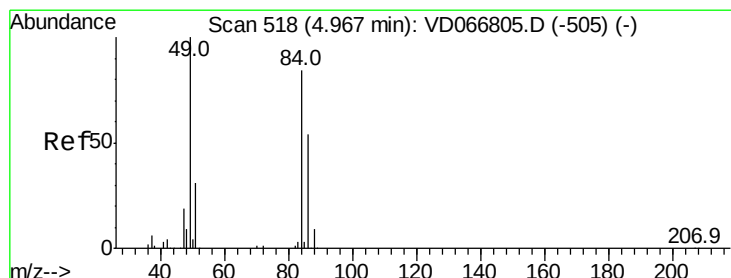
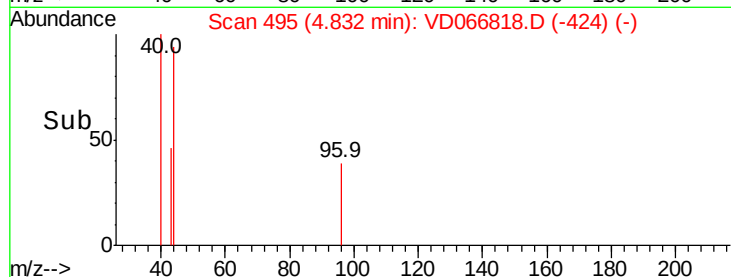
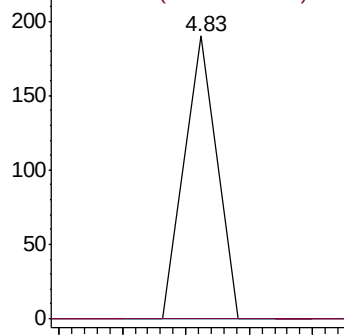
43 100

74 0.0 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



#20

Methylene Chloride

Concen: 10.633 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD066818.D

Acq: 22 Sep 2020 18:35

Tgt Ion: 84 Resp: 55233

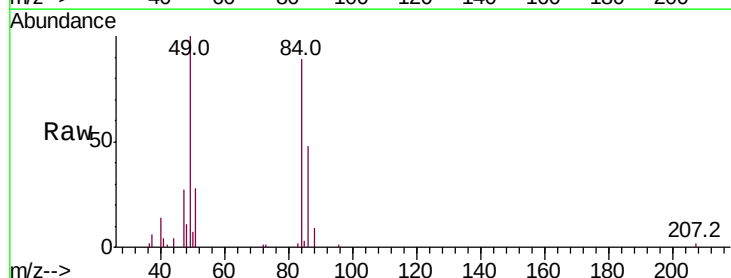
Ion Ratio Lower Upper

84 100

49 112.1 95.4 143.2

51 31.8 29.7 44.5

86 53.8 51.4 77.2

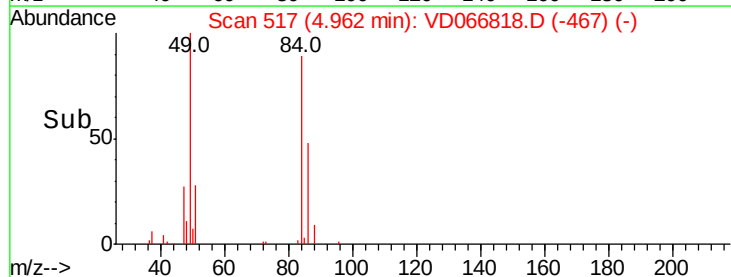
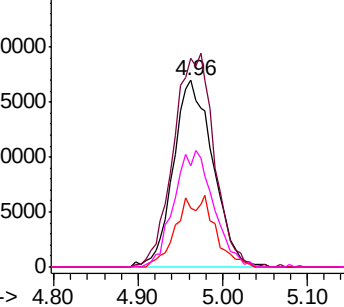


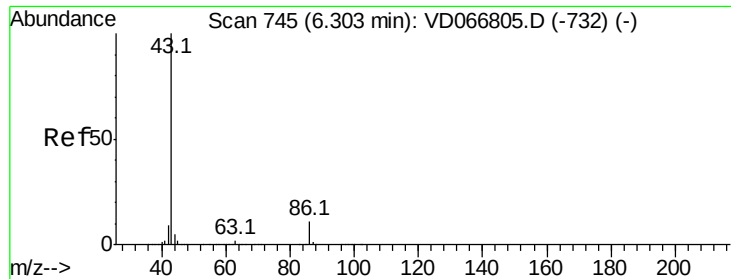
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#23

Vinyl Acetate

Concen: 2.684 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD066818.D

Acq: 22 Sep 2020 18:35

Instrument :

MSVOA_D

ClientSampleId :

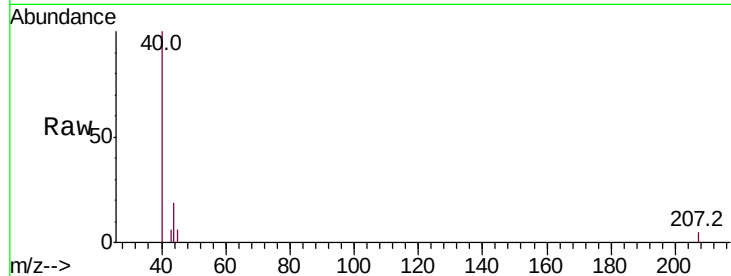
105

Tot Ion: 43 Resp: 66

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

250

200

150

100

50

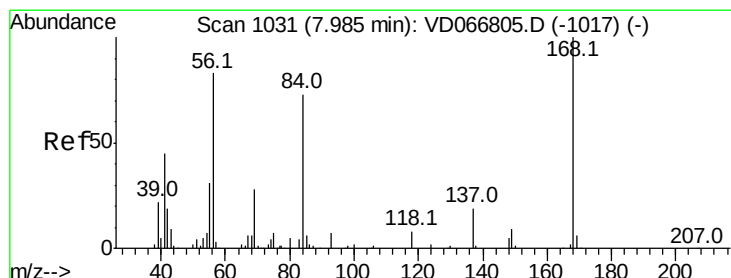
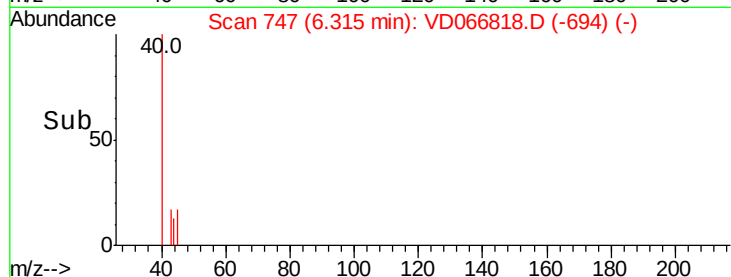
0

6.30

6.31

6.32

Time-->



#31

Cyclohexane

Concen: 1.313 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066818.D

Acq: 22 Sep 2020 18:35

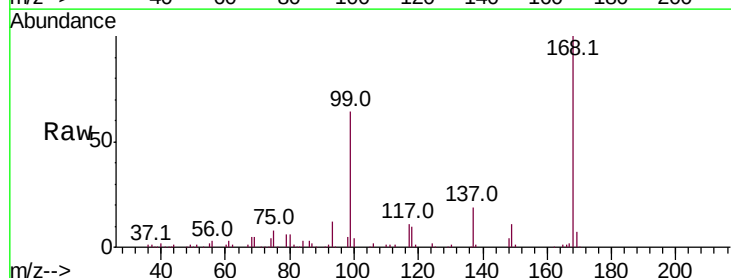
Tgt Ion: 56 Resp: 7569

Ion Ratio Lower Upper

56 100

69 184.4 27.0 40.4#

84 105.5 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

8000

6000

4000

2000

0

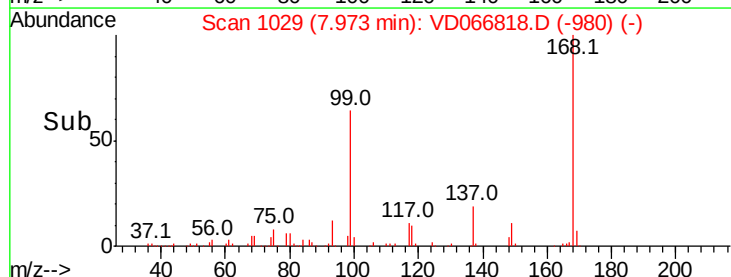
7.90

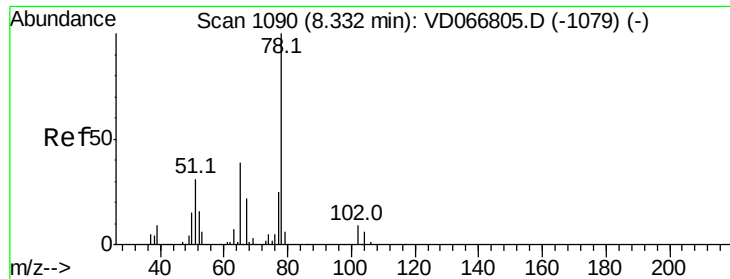
7.95

8.00

8.05

Time-->

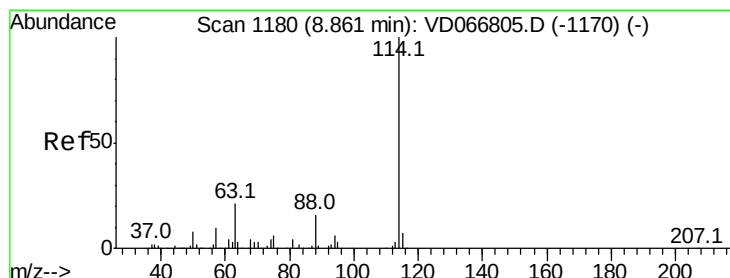
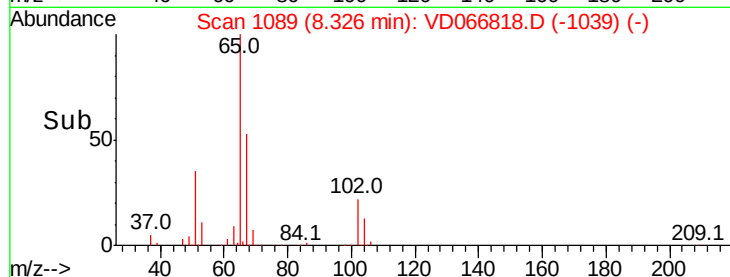
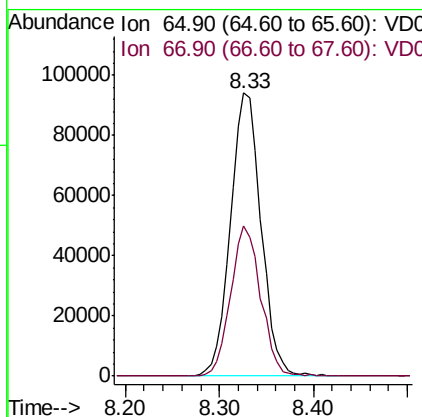
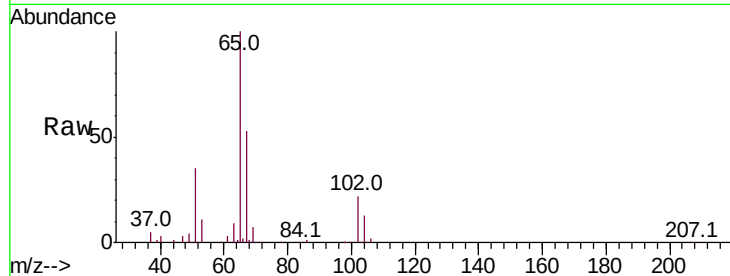




#33
 1,2-Dichloroethane-d4
 Concen: 67.033 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066818.D
 Acq: 22 Sep 2020 18:35

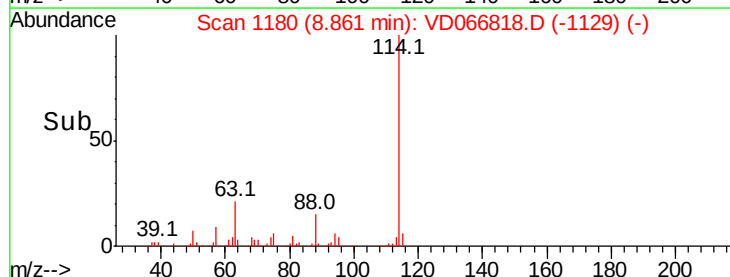
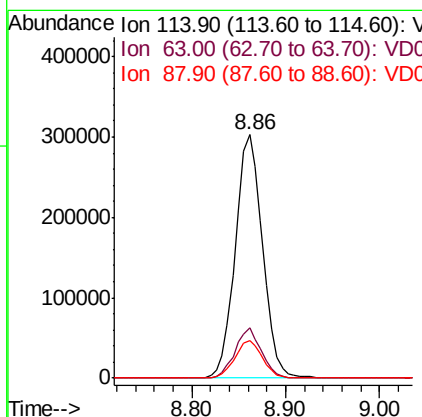
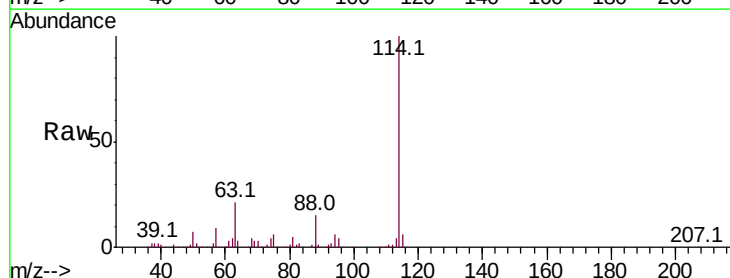
Instrument :
 MSVOA_D
 ClientSampled :
 105

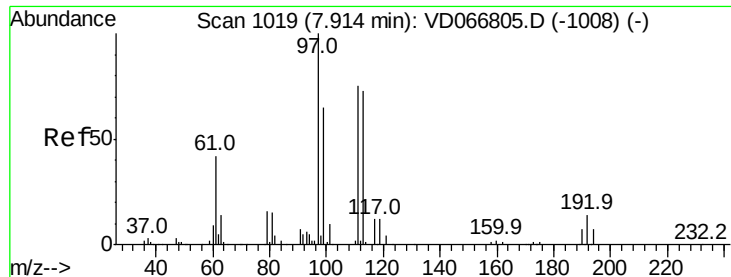
Tot Ion: 65 Resp: 212525
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066818.D
 Acq: 22 Sep 2020 18:35

Tgt Ion: 114 Resp: 607542
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 42.6
 88 15.2 0.0 32.6

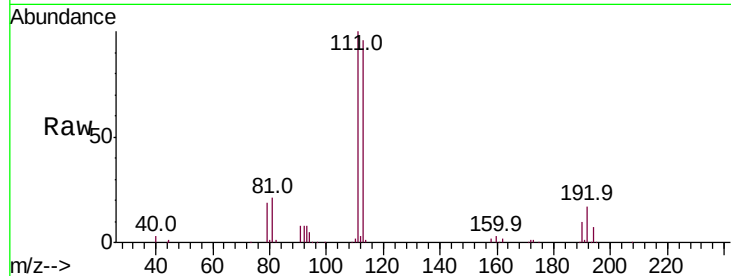




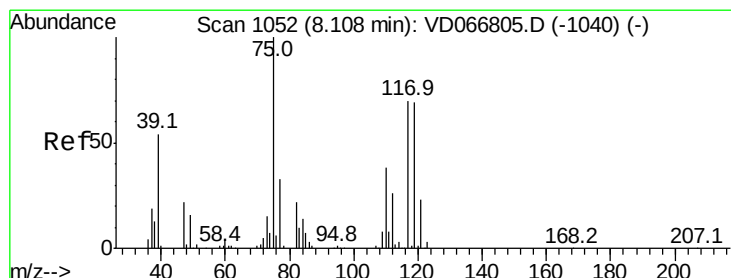
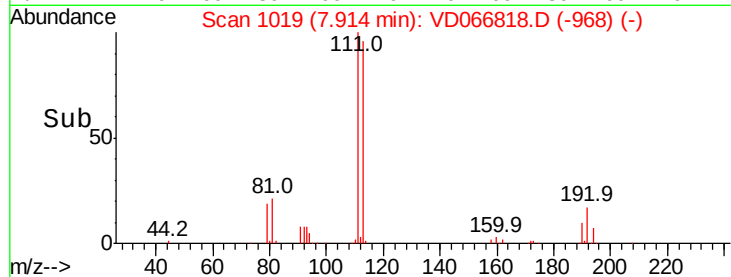
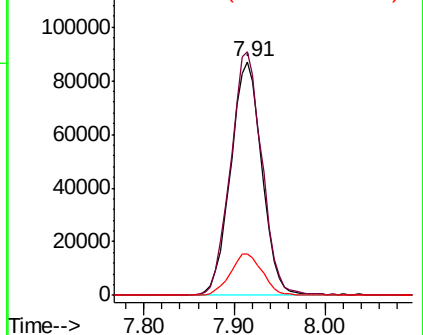
#35
 Dibromofluoromethane
 Concen: 53.965 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD066818.D
 Acq: 22 Sep 2020 18:35

Instrument :
 MSVOA_D
 ClientSampleId :
 105

Tot Ion:113 Resp: 208586
 Ion Ratio Lower Upper
 113 100
 111 105.0 81.8 122.8
 192 18.3 14.4 21.6

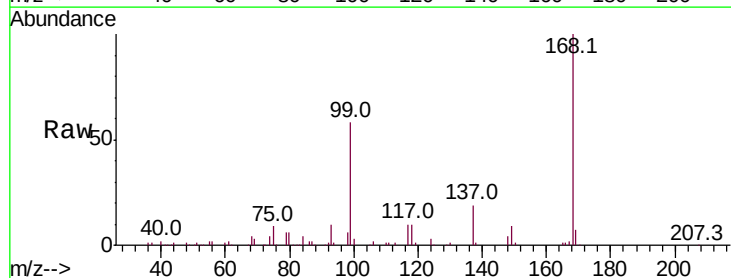


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

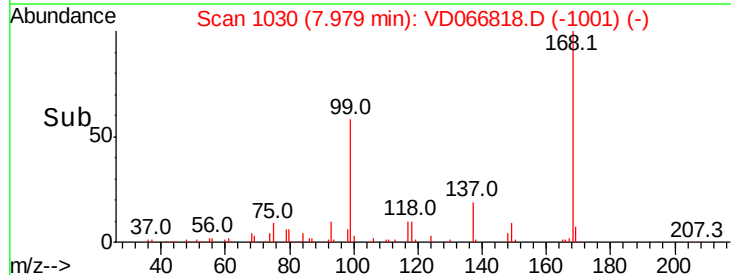
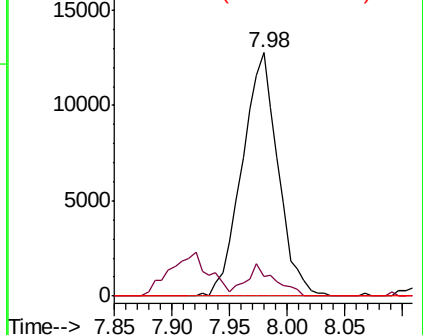


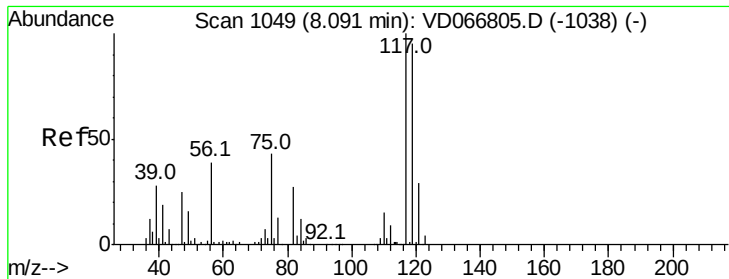
#36
 1,1-Dichloropropene
 Concen: 4.576 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066818.D
 Acq: 22 Sep 2020 18:35

Tgt Ion: 75 Resp: 27579
 Ion Ratio Lower Upper
 75 100
 110 10.3 17.9 53.8#
 77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VDC





#38

Carbon Tetrachloride

Concen: 5.320 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066818.D

Acq: 22 Sep 2020 18:35

Instrument :
MSVOA_D
ClientSampleId :
105

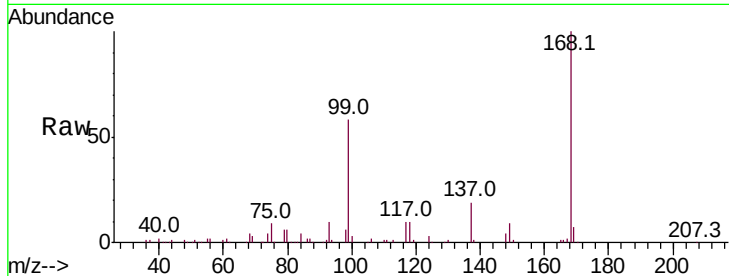
Tot Ion:117 Resp: 35059

Ion Ratio Lower Upper

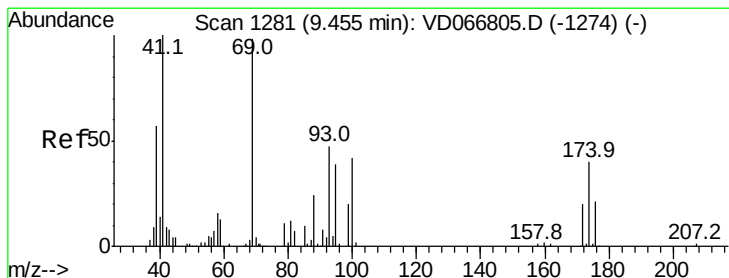
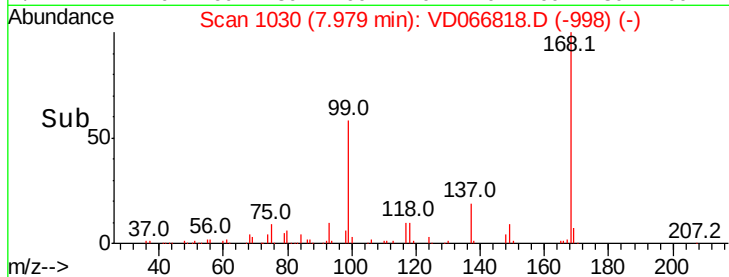
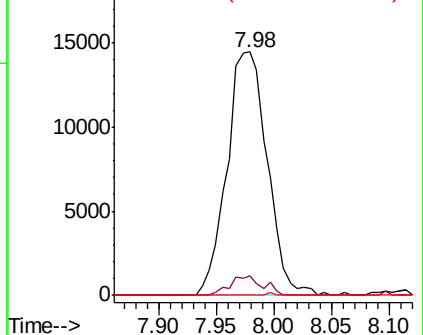
117 100

119 8.0 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



#49

1,4-Dioxane

Concen: Below Cal

RT: 9.47 min Scan# 1284

Delta R.T. 0.02 min

Lab File: VD066818.D

Acq: 22 Sep 2020 18:35

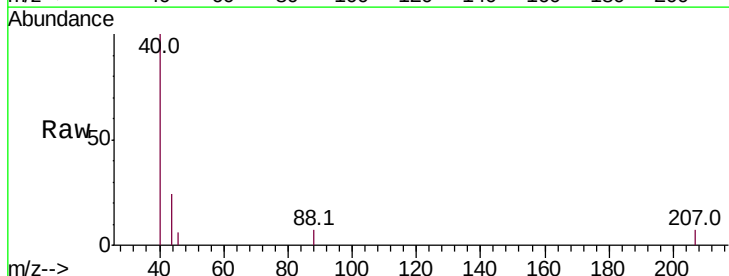
Tgt Ion: 88 Resp: 70

Ion Ratio Lower Upper

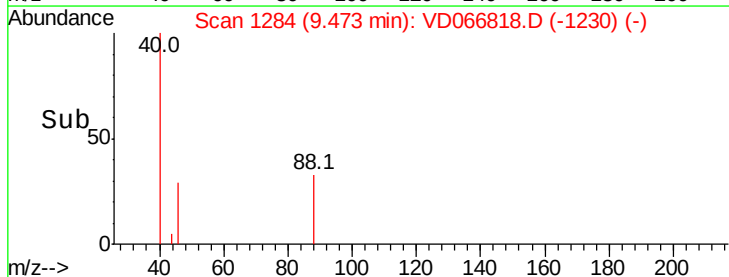
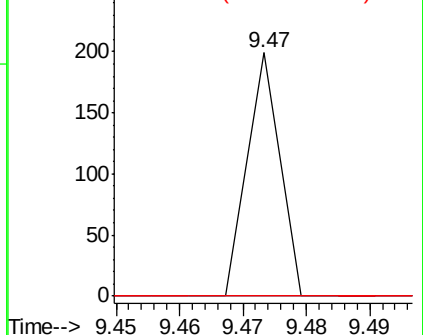
88 100

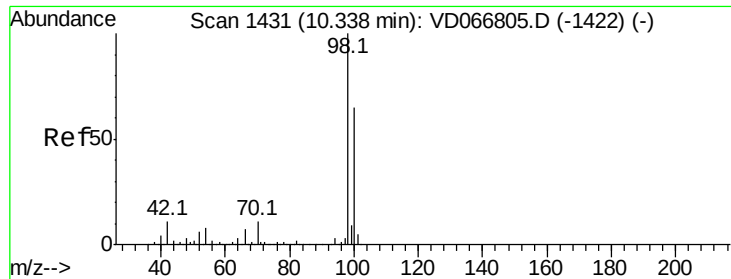
43 0.0 27.7 41.5#

58 0.0 55.5 83.3#



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

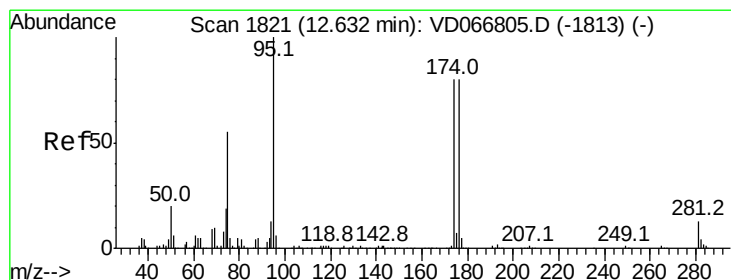
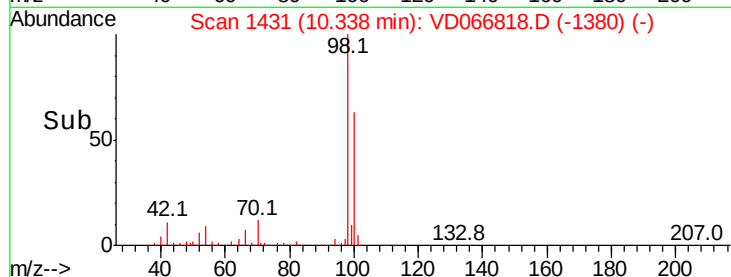
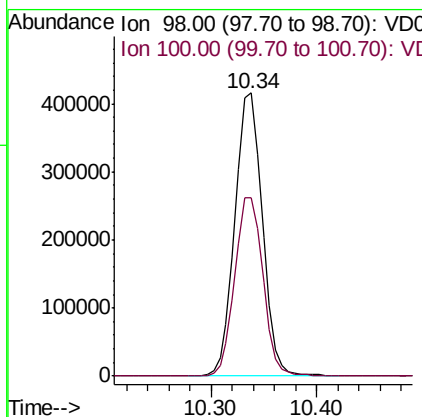
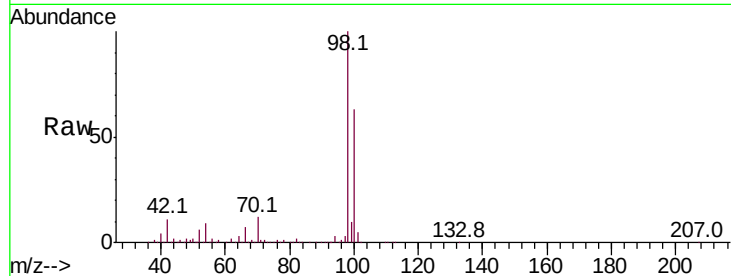




#50
Toluene-d8
Concen: 56.976 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066818.D
Acq: 22 Sep 2020 18:35

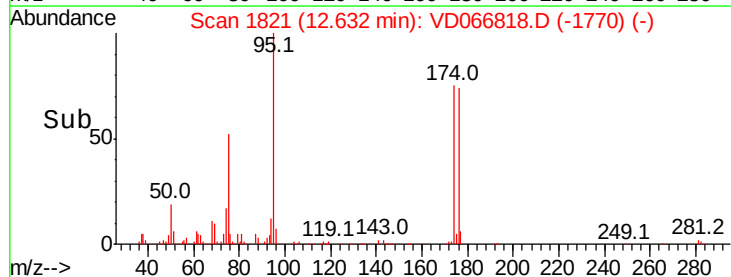
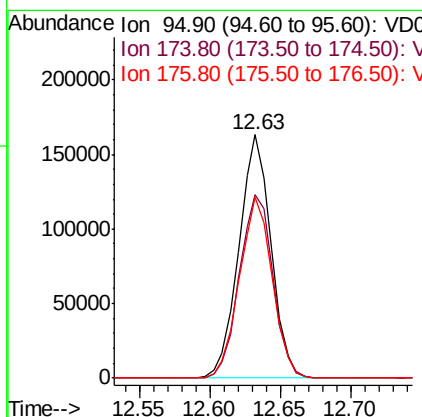
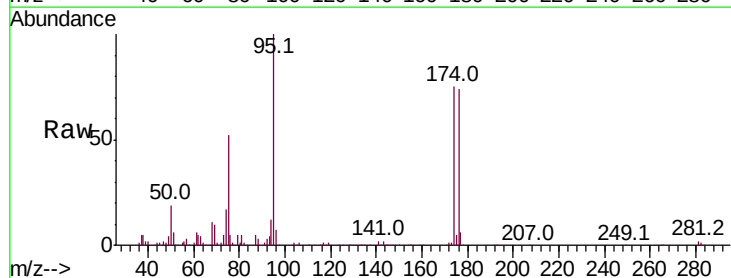
Instrument :
MSVOA_D
ClientSampleId :
105

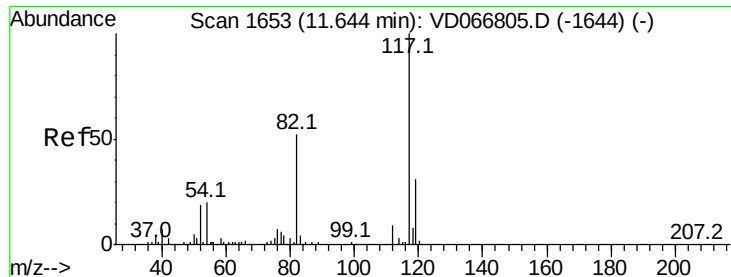
Tot Ion: 98 Resp: 750339
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 57.304 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066818.D
Acq: 22 Sep 2020 18:35

Tgt Ion: 95 Resp: 258345
Ion Ratio Lower Upper
95 100
174 79.3 0.0 159.8
176 75.9 0.0 154.4

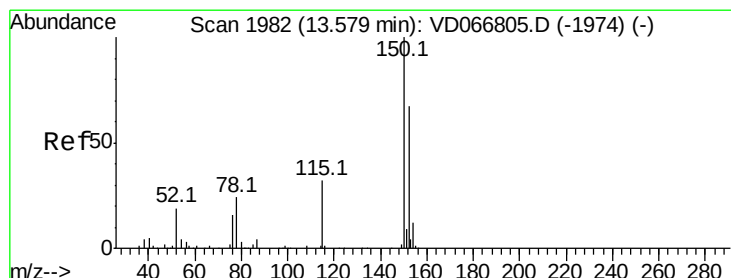
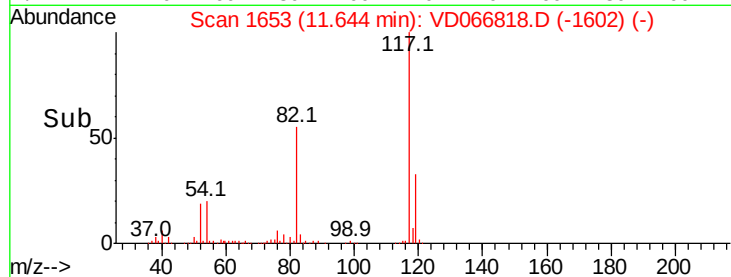
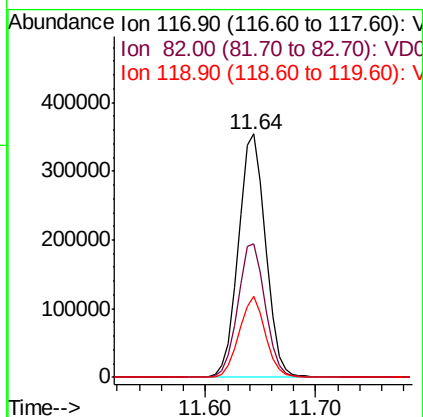
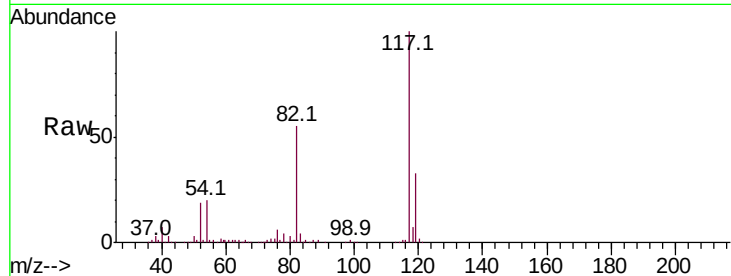




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066818.D
Acq: 22 Sep 2020 18:35

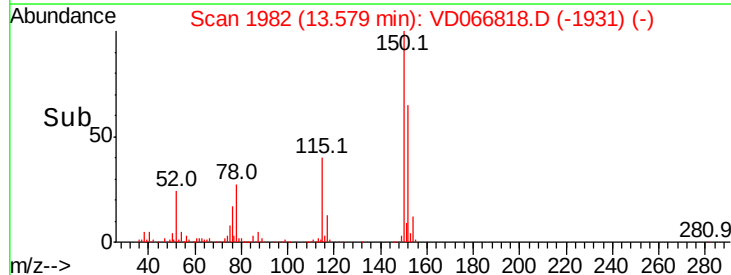
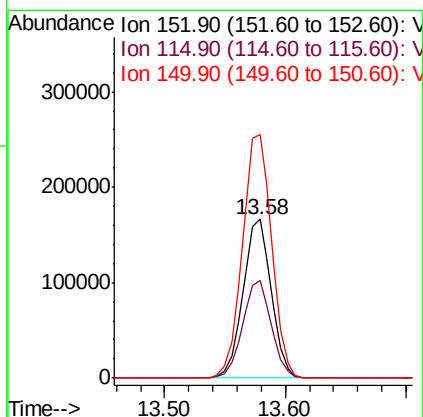
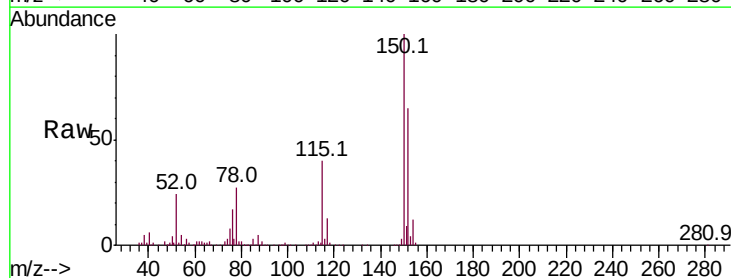
Instrument :
MSVOA_D
ClientSampleId :
105

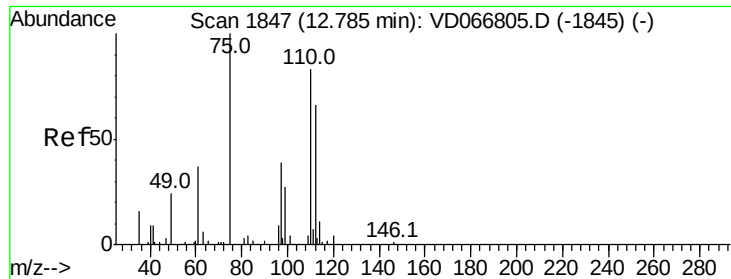
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	41.8	62.6
119	33.1	24.6	37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066818.D
Acq: 22 Sep 2020 18:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.2	30.3	91.0
150	158.5	0.0	346.2

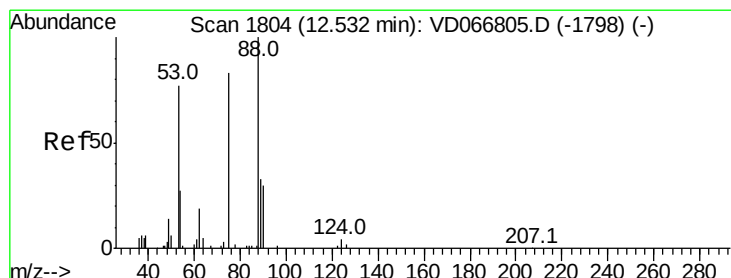
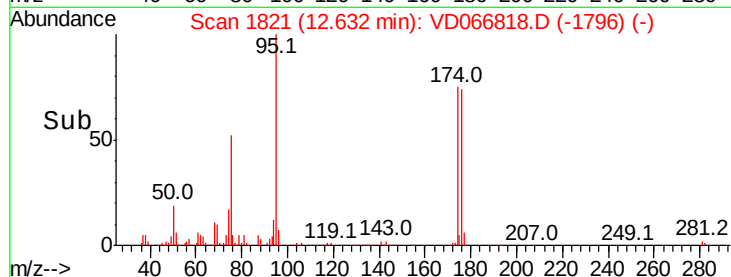
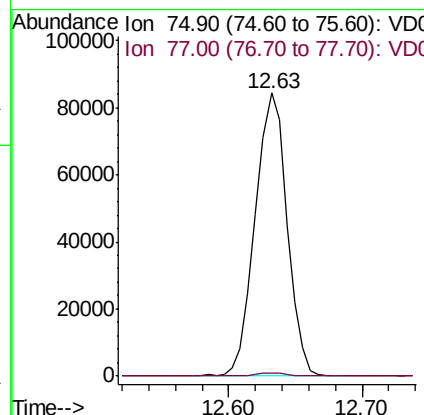
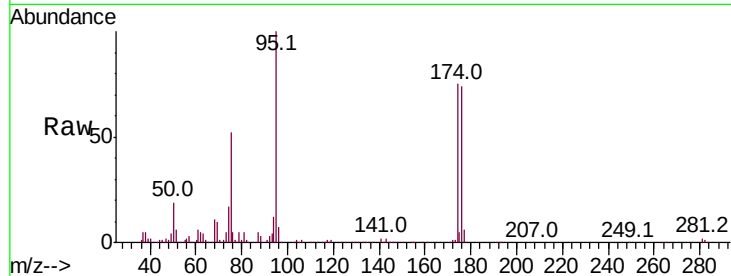




#76
 1,2,3-Trichloropropane
 Concen: 61.754 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066818.D
 Acq: 22 Sep 2020 18:35

Instrument :
 MSVOA_D
 ClientSampleId :
 105

Tot Ion: 75 Resp: 139191
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 154.503 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066818.D
 Acq: 22 Sep 2020 18:35

Tgt Ion: 75 Resp: 139191
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.5 117.7#
 89 0.0 38.1 57.1#

