

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092820\
 Data File : VD066922.D
 Acq On : 28 Sep 2020 19:18
 Operator : VA/SY
 Sample : L4172-02
 Misc : 5.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-6(7-9)

Quant Time: Sep 29 00:59:01 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	382258	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	674199	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	703087	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	328808	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	198875	53.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.32%	
35) Dibromofluoromethane	7.91	113	216829	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
50) Toluene-d8	10.34	98	831230	56.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.76%	
62) 4-Bromofluorobenzene	12.63	95	303575	60.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.36%	

Target Compounds

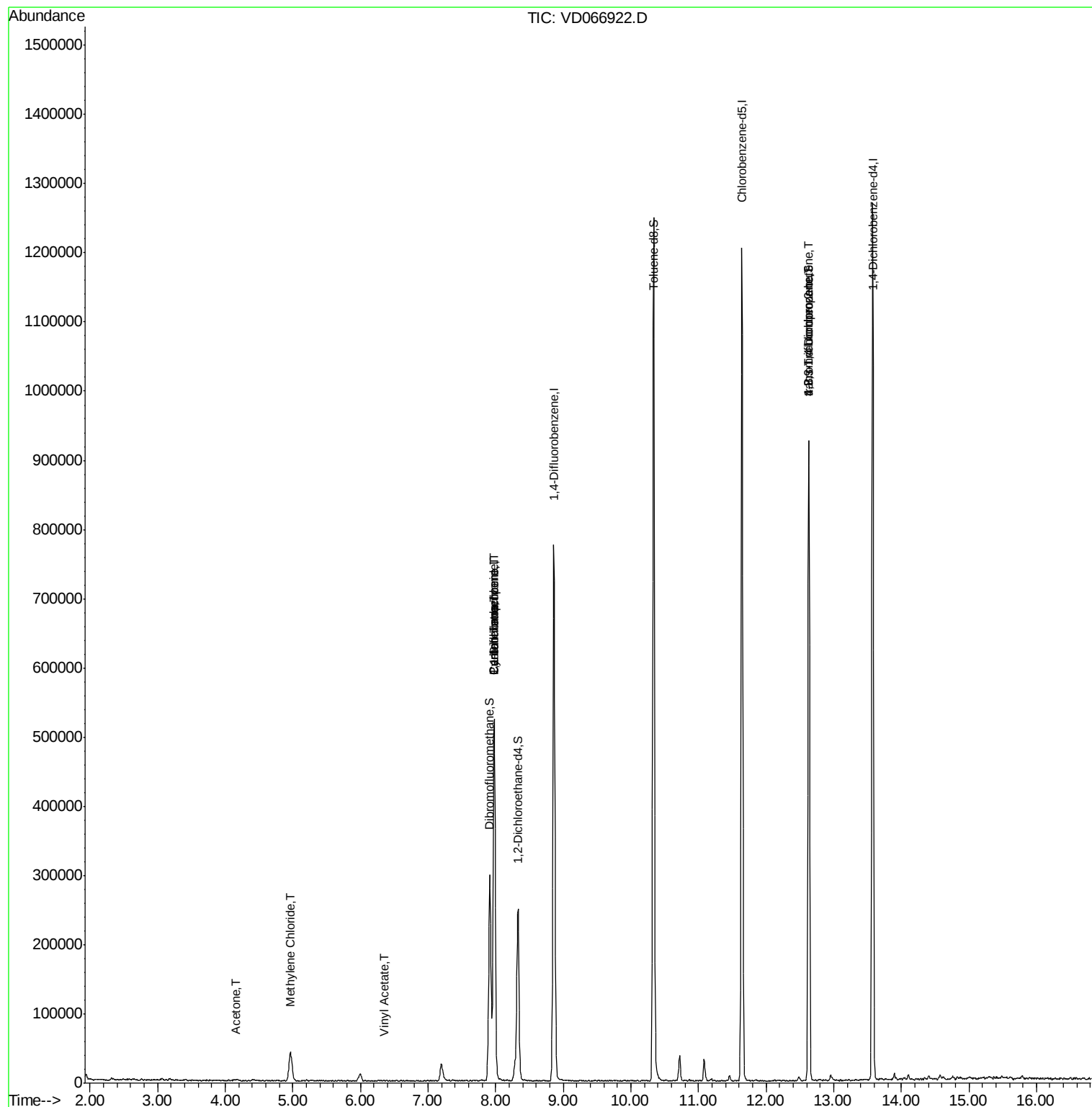
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	261	Below Cal	#	46
11) Tert butyl alcohol	5.21	59	873	Below Cal	#	72
16) Acetone	4.16	43	1744	2.197	ug/l #	56
18) Methyl Acetate	4.88	43	69	Below Cal	#	50
20) Methylene Chloride	4.97	84	34251	2.461	ug/l	89
23) Vinyl Acetate	6.36	43	92	2.687	ug/l #	71
31) Cyclohexane	7.98	56	8524	1.253	ug/l #	13
36) 1,1-Dichloropropene	7.98	75	30350	4.538	ug/l #	50
38) Carbon Tetrachloride	7.98	117	40195	5.497	ug/l #	18
49) 1,4-Dioxane	9.46	88	68	Below Cal	#	17
76) 1,2,3-Trichloropropane	12.63	75	153761	56.428	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	153761	141.178	ug/l #	10

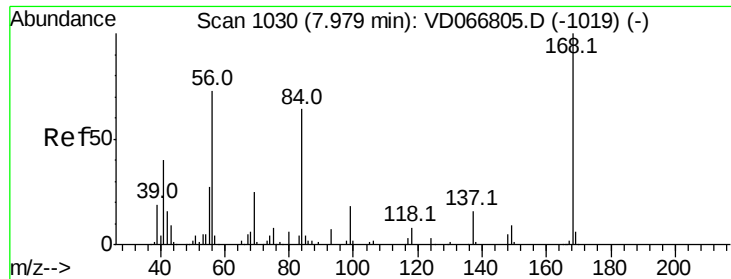
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092820\
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Quant Title : SW846 8260
QLast Update : Wed Sep 23 01:34:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066922.D

Acq: 28 Sep 2020 19:18

Instrument :

MSVOA_D

ClientSampleId :

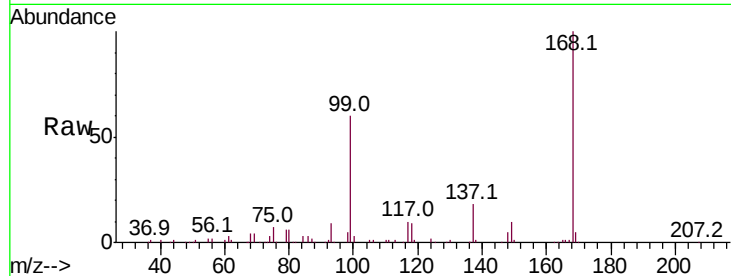
B-6(7-9)

Tot Ion:168 Resp: 382258

Ion Ratio Lower Upper

168 100

99 59.9 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

200000

150000

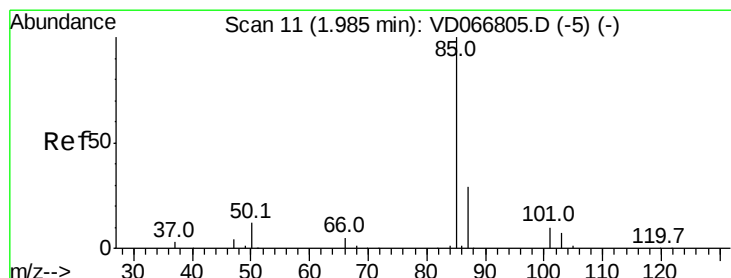
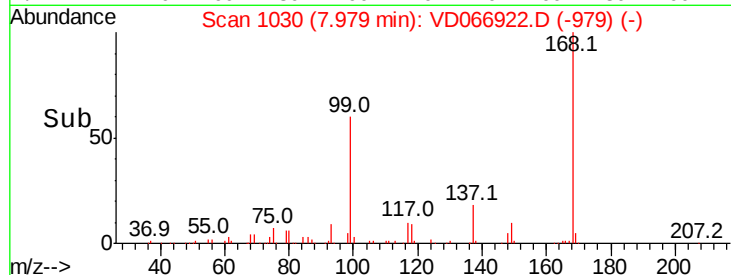
100000

50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066922.D

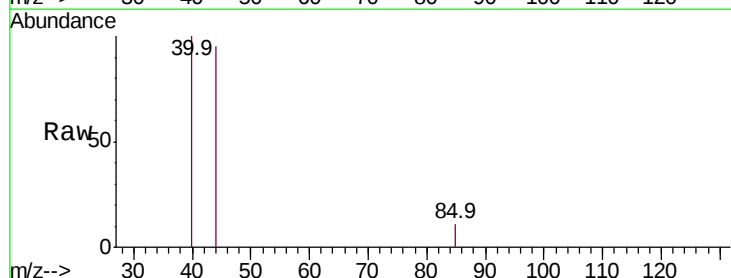
Acq: 28 Sep 2020 19:18

Tgt Ion: 85 Resp: 261

Ion Ratio Lower Upper

85 100

87 0.0 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): V

Ion 86.90 (86.60 to 87.60): V

300

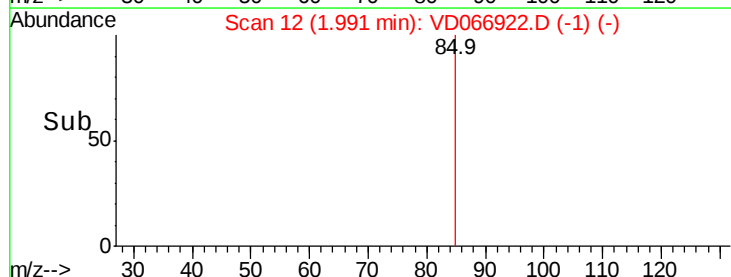
200

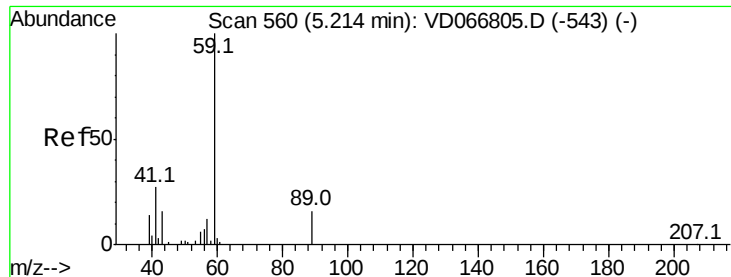
100

0

1.96 1.98 2.00 2.02

Time-->



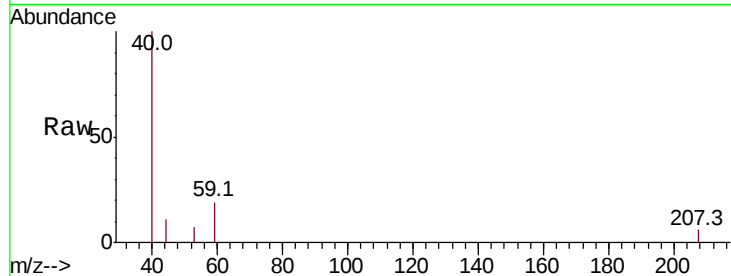


#11

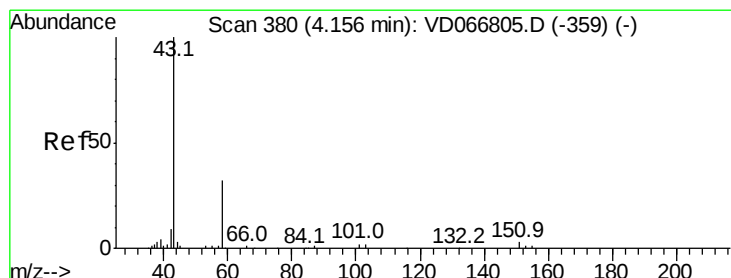
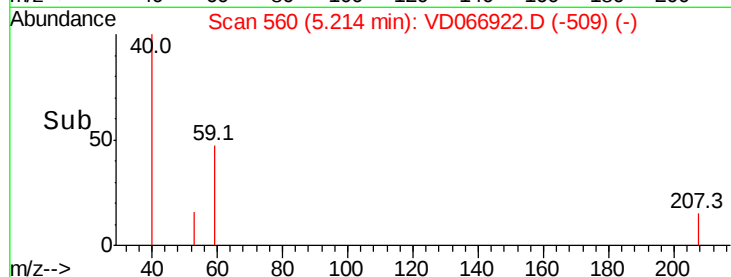
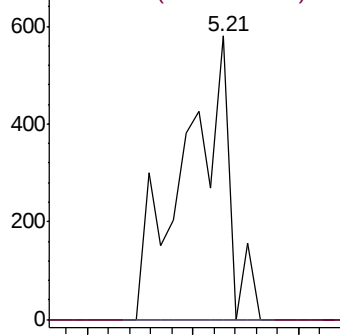
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 560
 Delta R.T. 0.00 min
 Lab File: VD066922.D
 Acq: 28 Sep 2020 19:18

Instrument :
 MSVOA_D
 ClientSampleId :
 B-6(7-9)

Tot Ion: 59 Resp: 873
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#



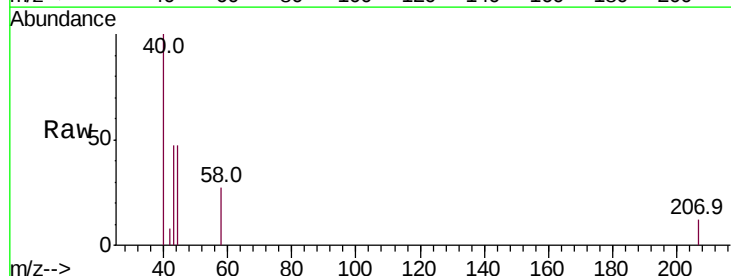
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



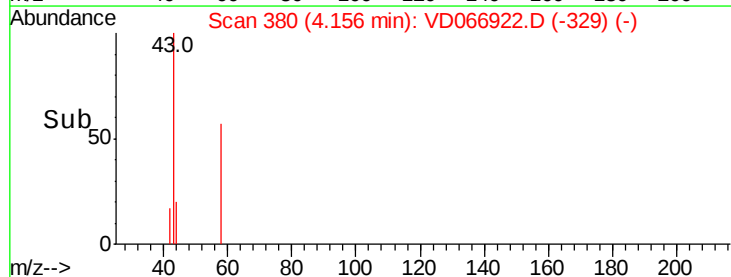
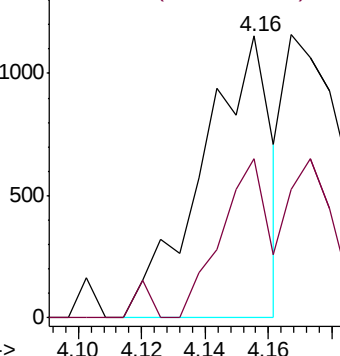
#16

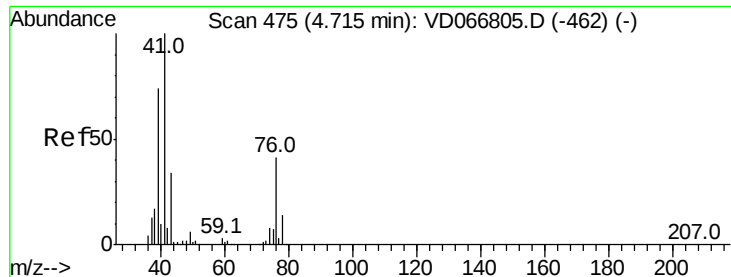
Acetone
 Concen: 2.197 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VD066922.D
 Acq: 28 Sep 2020 19:18

Tgt Ion: 43 Resp: 1744
 Ion Ratio Lower Upper
 43 100
 58 56.6 25.6 38.4#



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

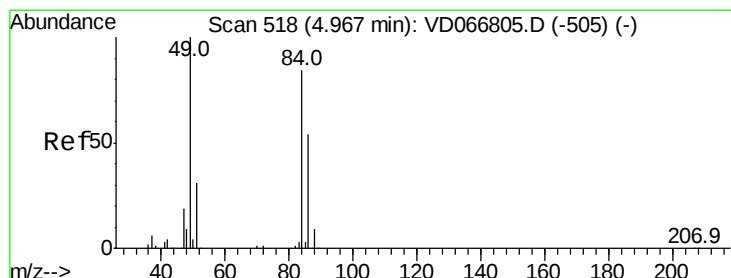
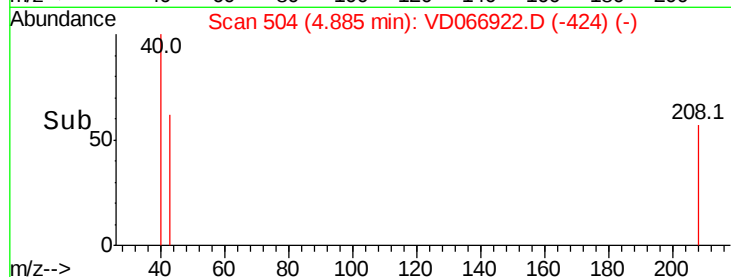
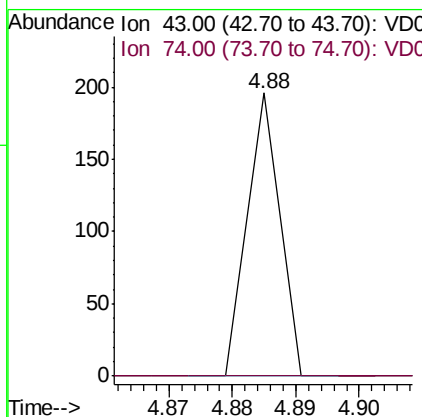
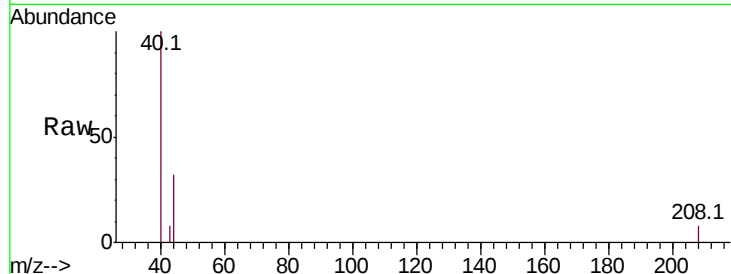




#18
Methyl Acetate
Concen: Below Cal
RT: 4.88 min Scan# 504
Delta R.T. 0.17 min
Lab File: VD066922.D
Acq: 28 Sep 2020 19:18

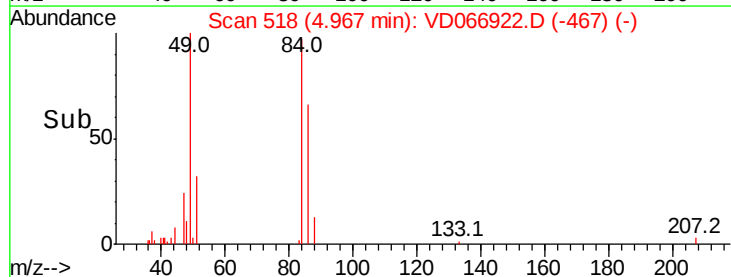
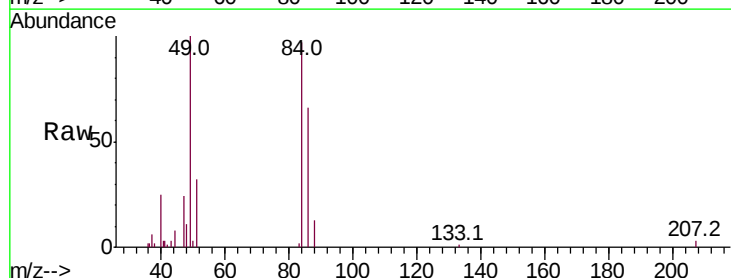
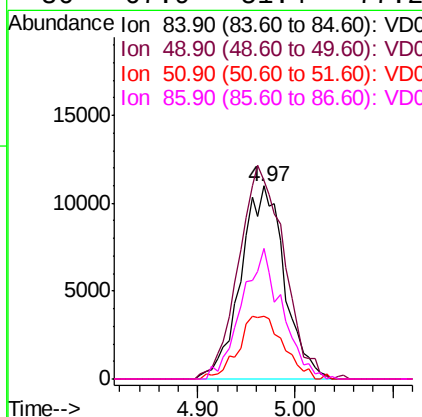
Instrument :
MSVOA_D
ClientSampleId :
B-6(7-9)

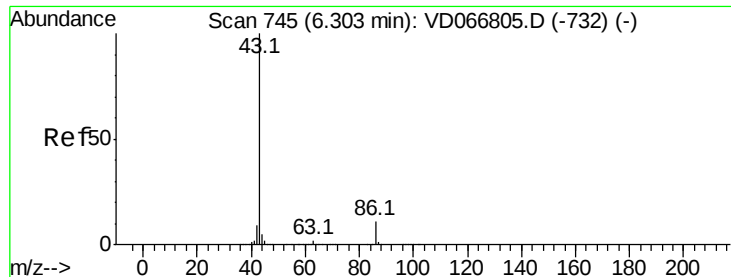
Tot Ion: 43 Resp: 69
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: 2.461 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066922.D
Acq: 28 Sep 2020 19:18

Tgt Ion: 84 Resp: 34251
Ion Ratio Lower Upper
84 100
49 102.8 95.4 143.2
51 32.7 29.7 44.5
86 67.9 51.4 77.2





#23

Vinyl Acetate

Concen: 2.687 ug/l

RT: 6.36 min Scan# 754

Delta R.T. 0.05 min

Lab File: VD066922.D

Acq: 28 Sep 2020 19:18

Instrument :

MSVOA_D

ClientSampleId :

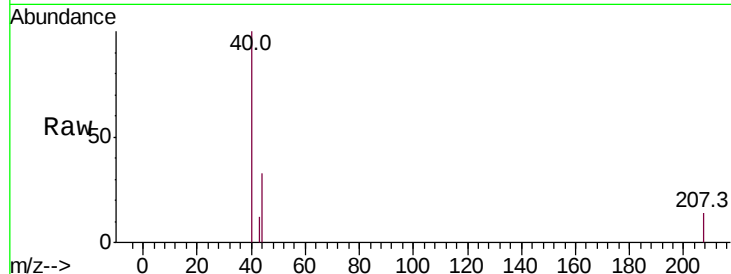
B-6(7-9)

Tot Ion: 43 Resp: 92

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

6.36

250

200

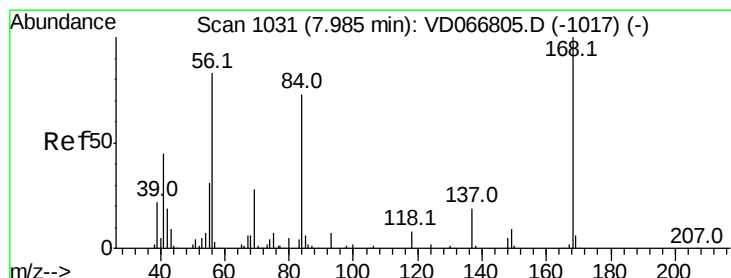
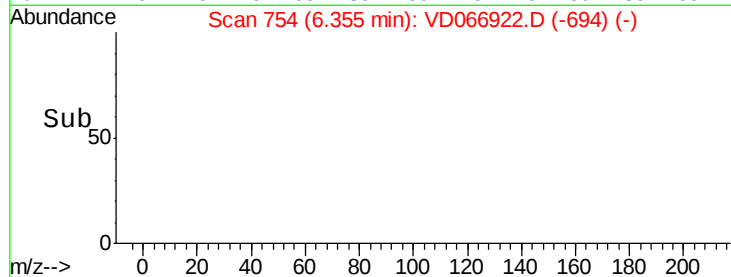
150

100

50

0

Time-->



#31

Cyclohexane

Concen: 1.253 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066922.D

Acq: 28 Sep 2020 19:18

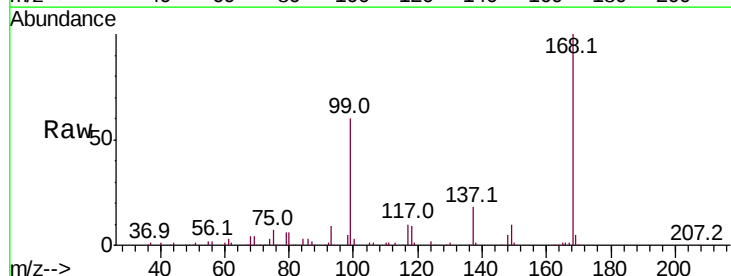
Tgt Ion: 56 Resp: 8524

Ion Ratio Lower Upper

56 100

69 152.1 27.0 40.4#

84 125.5 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

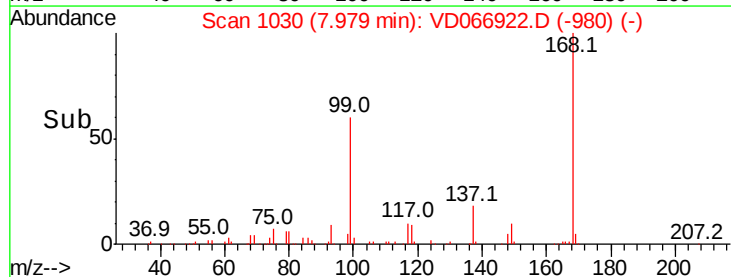
6000

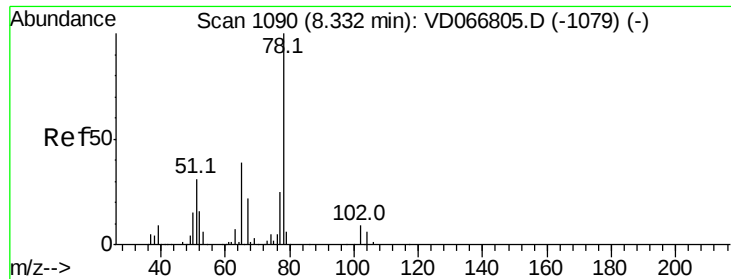
4000

2000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 53.155 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066922.D

Acq: 28 Sep 2020 19:18

Instrument :

MSVOA_D

ClientSampleId :

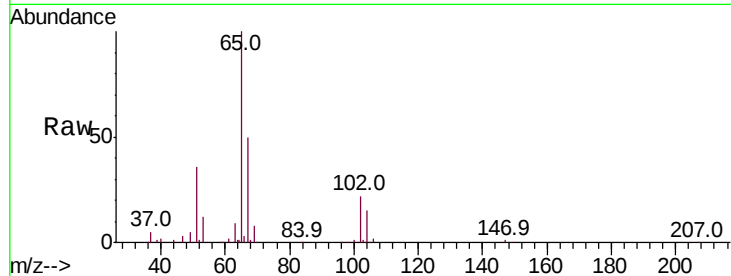
B-6(7-9)

Tot Ion: 65 Resp: 198875

Ion Ratio Lower Upper

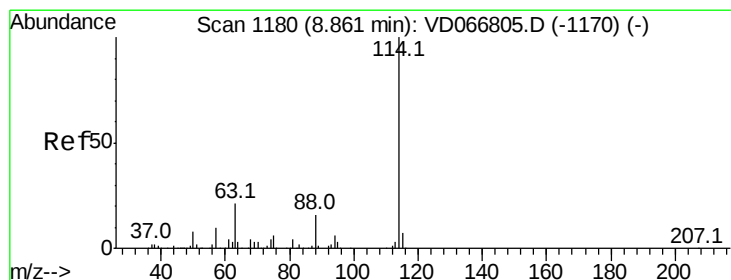
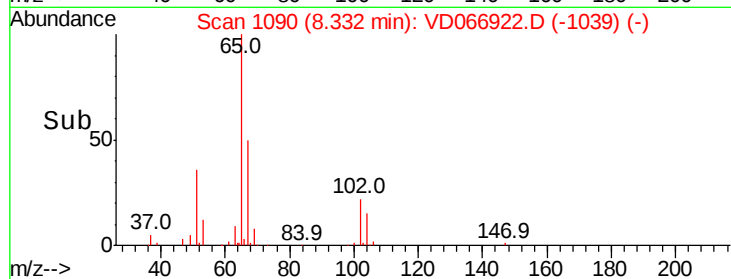
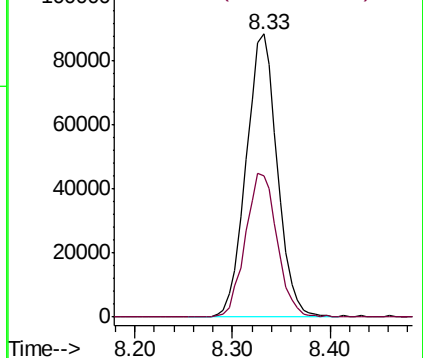
65 100

67 51.6 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: VD066922.D

Acq: 28 Sep 2020 19:18

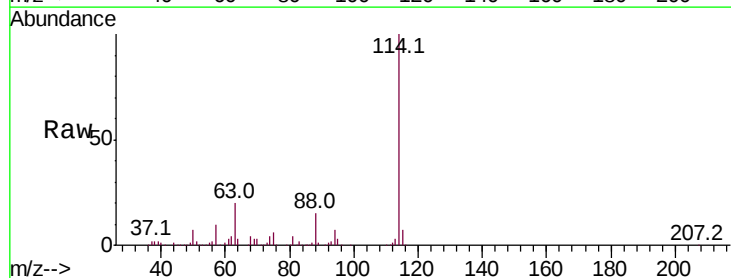
Tgt Ion: 114 Resp: 674199

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.6

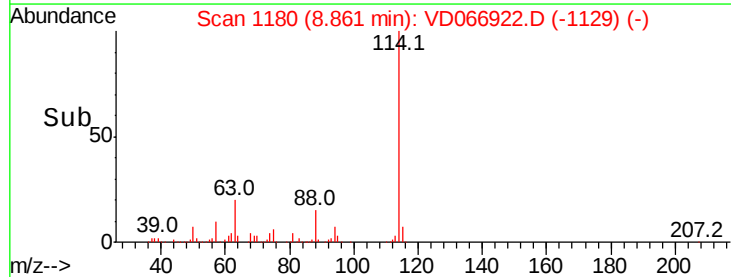
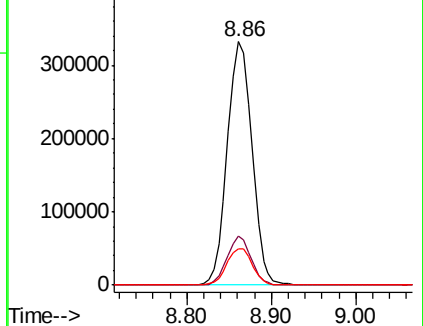
88 14.9 0.0 32.6

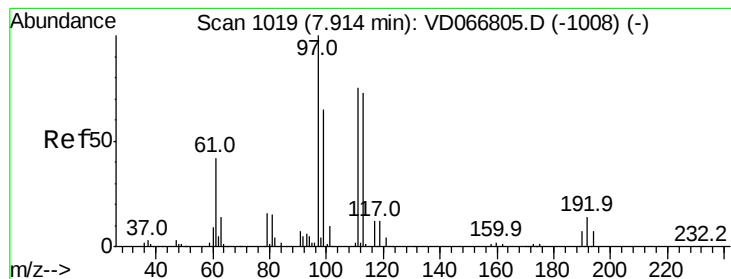


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.552 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD066922.D

Acq: 28 Sep 2020 19:18

Instrument :

MSVOA_D

ClientSampleId :

B-6(7-9)

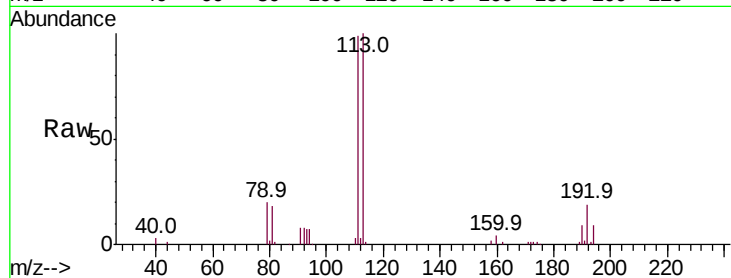
Tot Ion:113 Resp: 216829

Ion Ratio Lower Upper

113 100

111 100.7 81.8 122.8

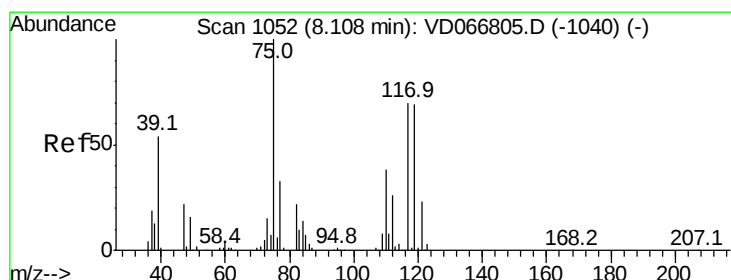
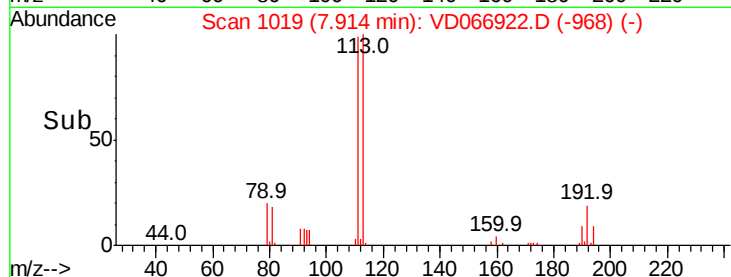
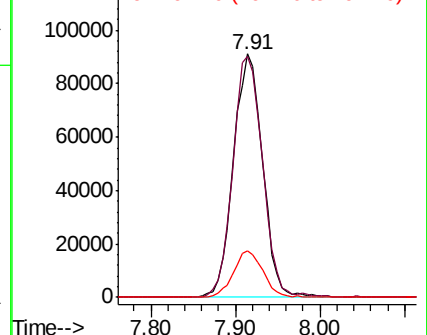
192 19.3 14.4 21.6



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: 4.538 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD066922.D

Acq: 28 Sep 2020 19:18

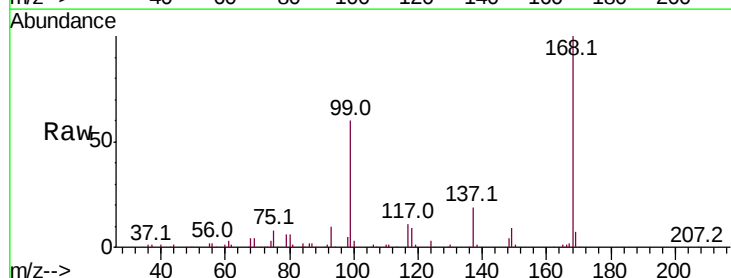
Tgt Ion: 75 Resp: 30350

Ion Ratio Lower Upper

75 100

110 9.7 17.9 53.8#

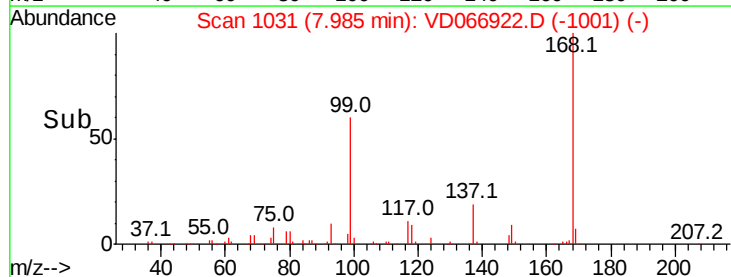
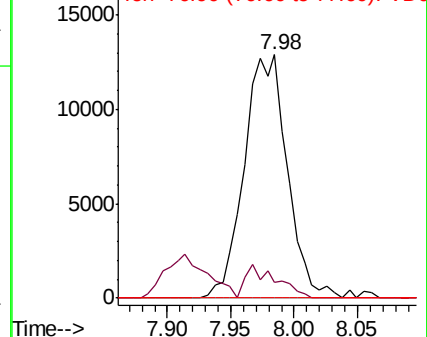
77 0.0 25.0 37.6#

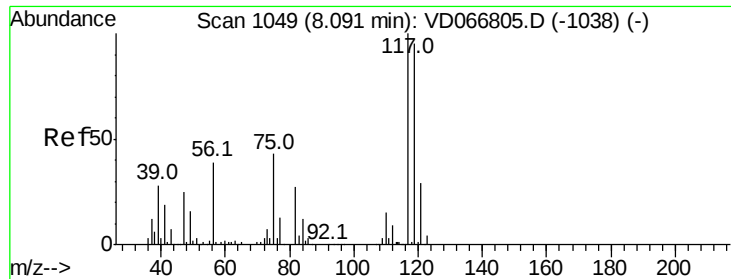


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.497 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066922.D

Acq: 28 Sep 2020 19:18

Instrument :

MSVOA_D

ClientSampleId :

B-6(7-9)

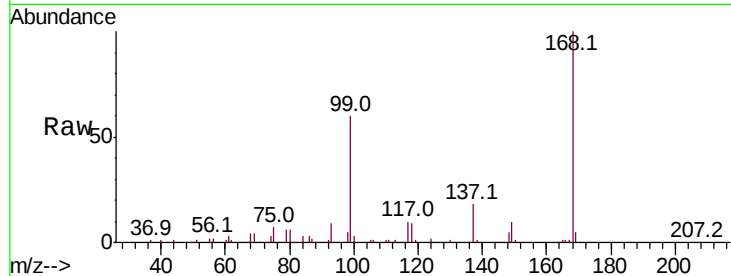
Tot Ion:117 Resp: 40195

Ion Ratio Lower Upper

117 100

119 7.3 75.8 113.8#

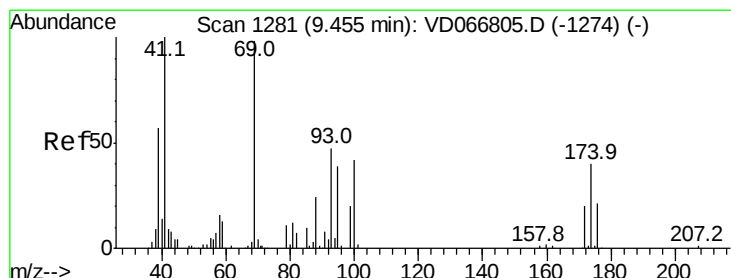
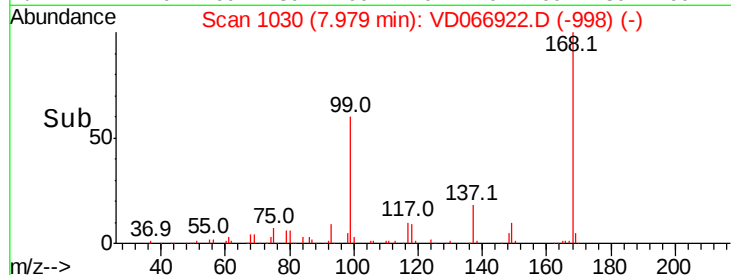
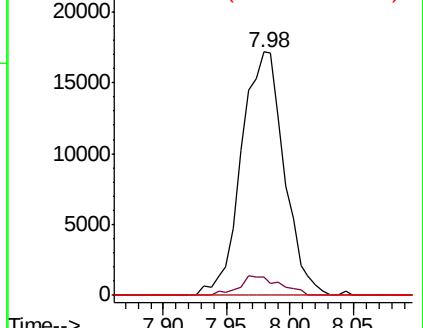
121 0.0 23.4 35.0#



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: 9.46 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VD066922.D

Acq: 28 Sep 2020 19:18

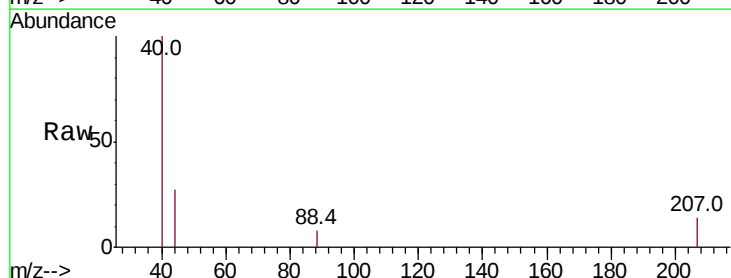
Tgt Ion: 88 Resp: 68

Ion Ratio Lower Upper

88 100

43 80.9 27.7 41.5#

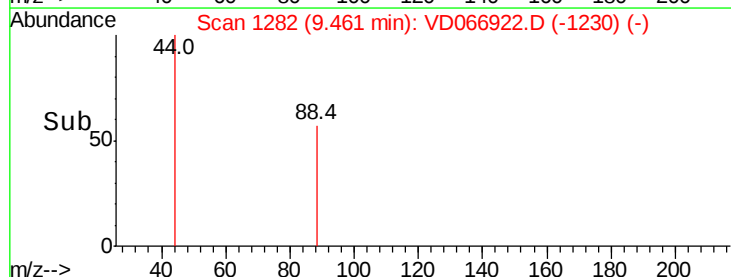
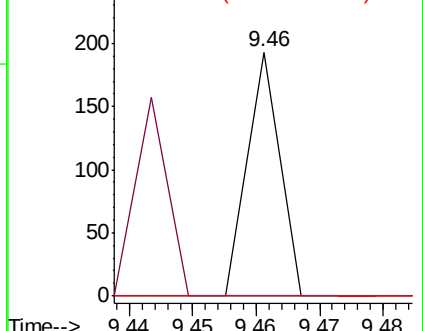
58 0.0 55.5 83.3#

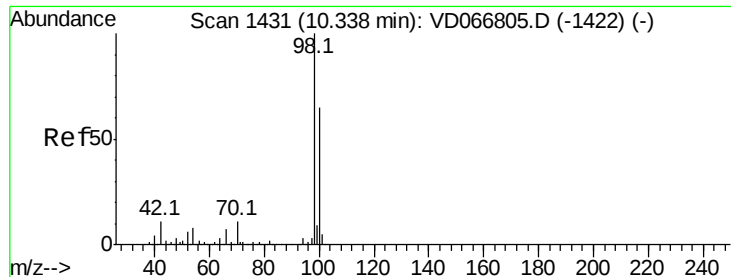


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#50

Toluene-d8

Concen: 56.878 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066922.D

Acq: 28 Sep 2020 19:18

Instrument :

MSVOA_D

ClientSampled :

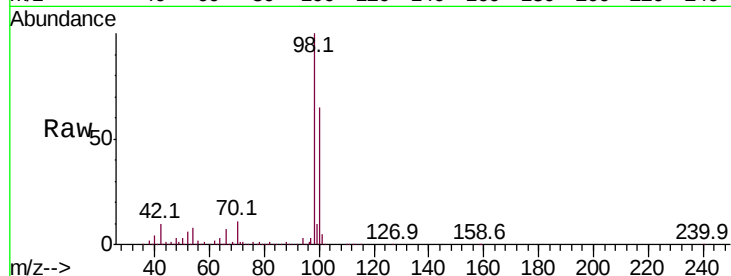
B-6(7-9)

Tot Ion: 98 Resp: 831230

Ion Ratio Lower Upper

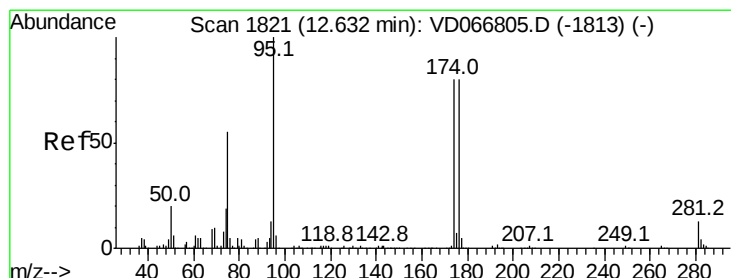
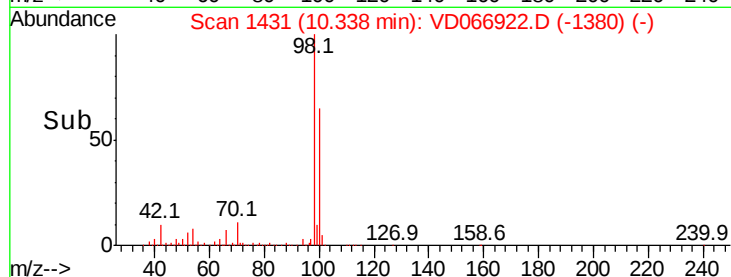
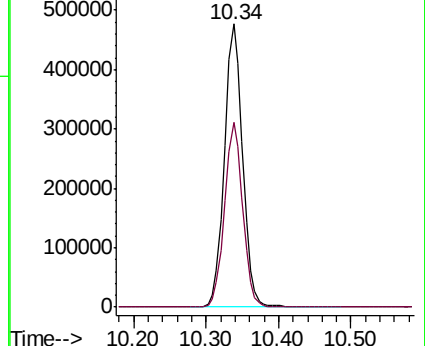
98 100

100 65.2 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 60.679 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066922.D

Acq: 28 Sep 2020 19:18

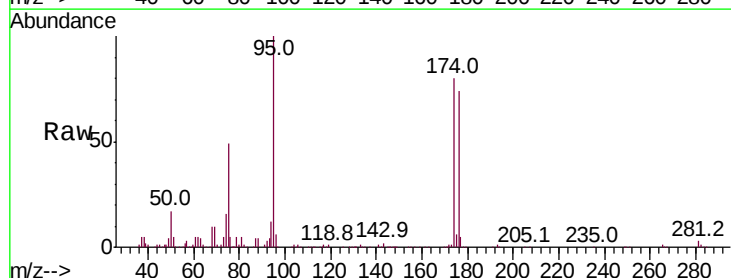
Tgt Ion: 95 Resp: 303575

Ion Ratio Lower Upper

95 100

174 81.7 0.0 159.8

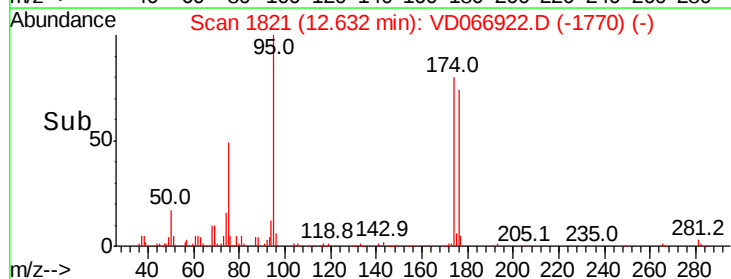
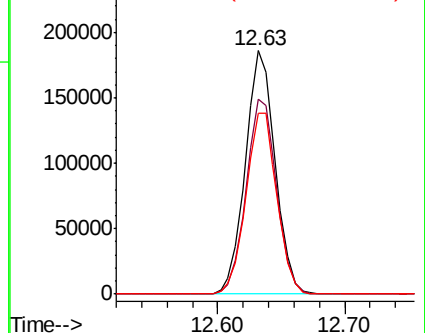
176 77.0 0.0 154.4

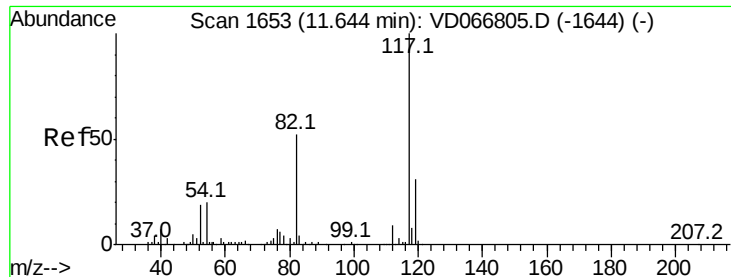


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

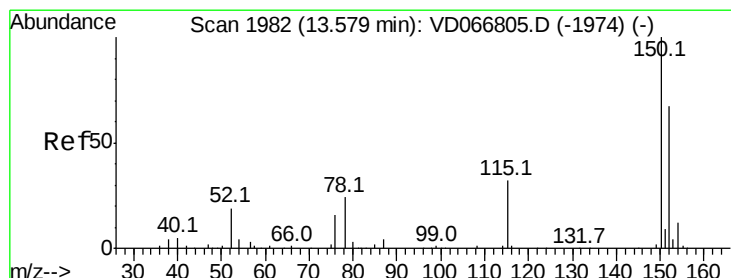
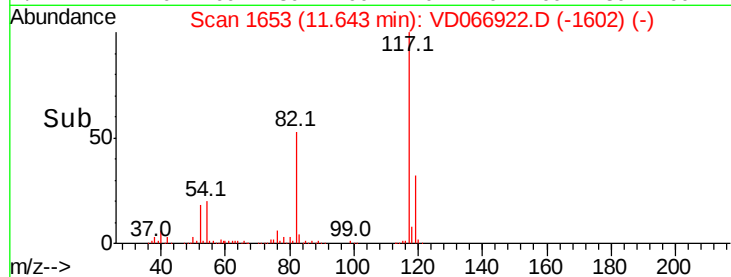
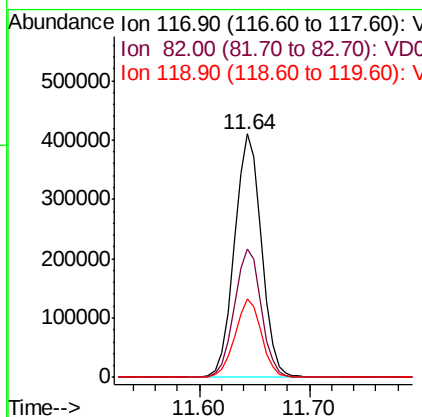
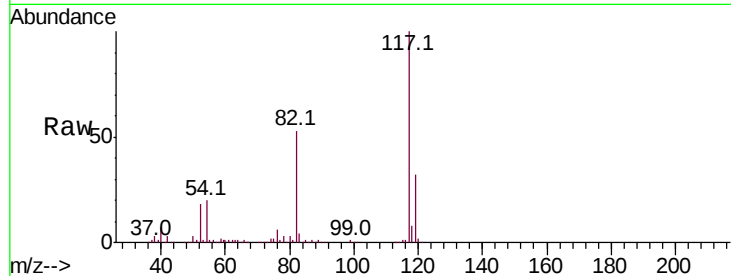




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066922.D
Acq: 28 Sep 2020 19:18

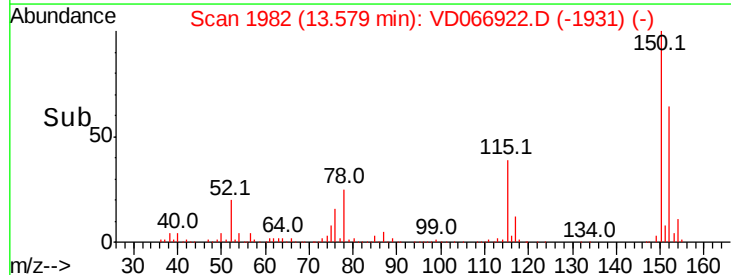
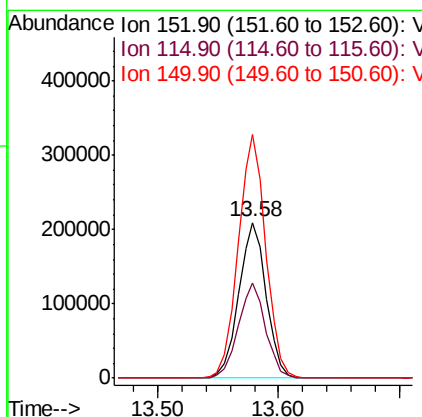
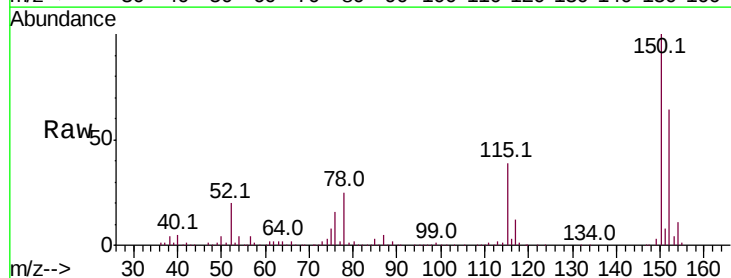
Instrument :
MSVOA_D
ClientSampled :
B-6(7-9)

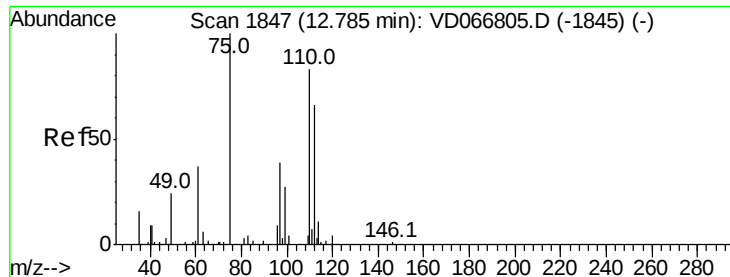
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	41.8	62.6
119	32.1	24.6	37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066922.D
Acq: 28 Sep 2020 19:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.2	30.3	91.0
150	157.3	0.0	346.2





#76

1,2,3-Trichloropropane

Concen: 56.428 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066922.D

Acq: 28 Sep 2020 19:18

Instrument :

MSVOA_D

ClientSampled :

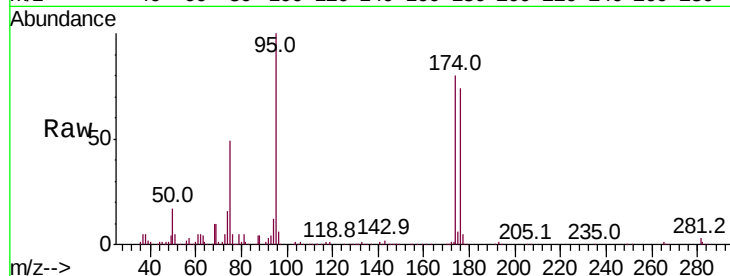
B-6(7-9)

Tot Ion: 75 Resp: 153761

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.63

100000

80000

60000

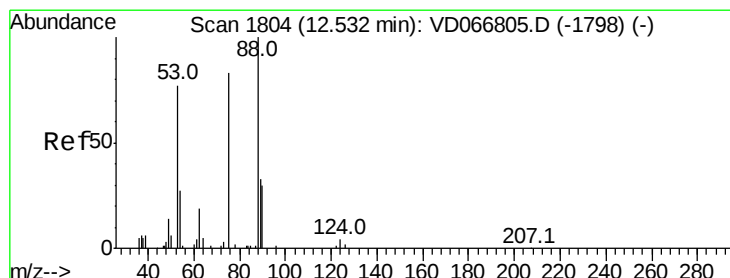
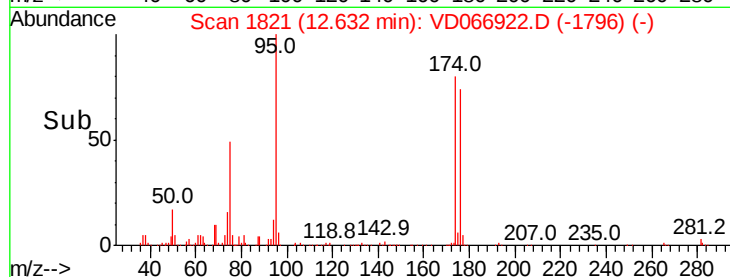
40000

20000

0

Time-->

12.60 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 141.178 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066922.D

Acq: 28 Sep 2020 19:18

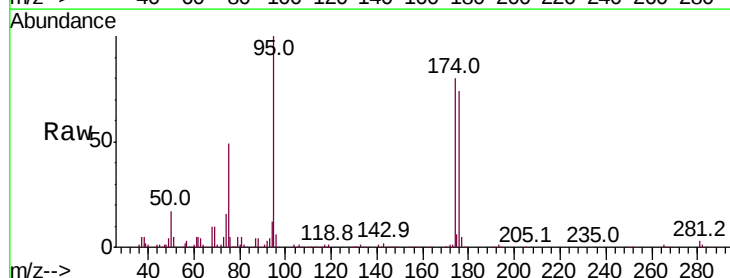
Tgt Ion: 75 Resp: 153761

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.0 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

120000

100000

80000

60000

40000

20000

0

Time-->

12.60 12.70

