

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091020\
 Data File : VD066625.D
 Acq On : 10 Sep 2020 19:23
 Operator : VA/SY
 Sample : L3962-02
 Misc : 5.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-1A

Quant Time: Sep 11 02:09:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	354608	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	640147	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	604243	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	261602	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	237758	55.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.84%	
35) Dibromofluoromethane	7.91	113	221052	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
50) Toluene-d8	10.34	98	799834	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	
62) 4-Bromofluorobenzene	12.63	95	257051	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	

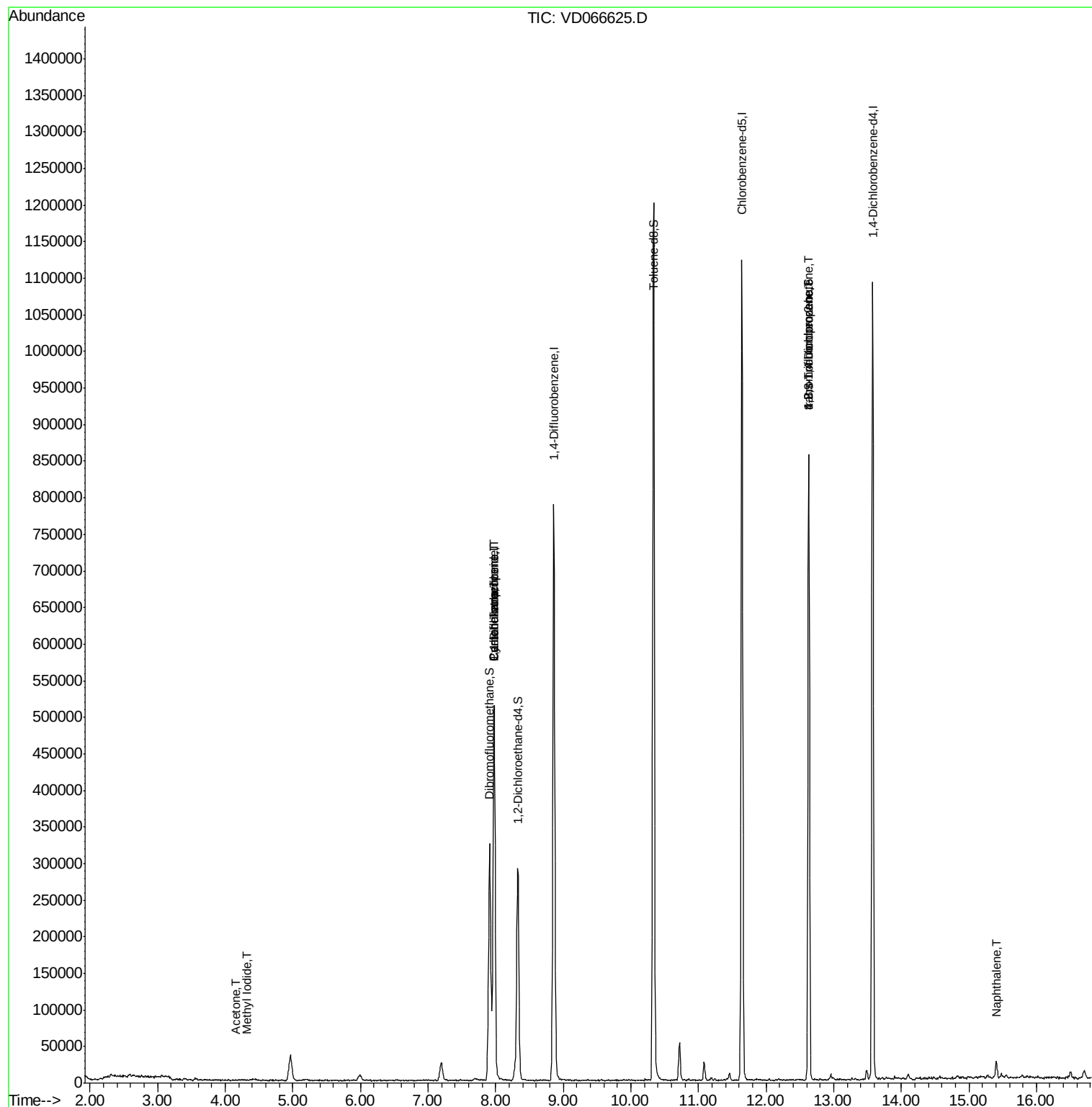
Target Compounds			Qvalue			
5) Bromomethane	2.77	94	276	Below Cal		82
10) Methyl Iodide	4.31	142	59	4.038 ug/l #		35
11) Tert butyl alcohol	5.21	59	552	Below Cal #		74
16) Acetone	4.16	43	1795	2.274 ug/l		96
20) Methylene Chloride	4.97	84	23573	Below Cal		92
31) Cyclohexane	7.97	56	9769	1.396 ug/l #		14
36) 1,1-Dichloropropene	7.98	75	33343	5.005 ug/l #		48
38) Carbon Tetrachloride	7.97	117	41213	5.853 ug/l #		20
76) 1,2,3-Trichloropropane	12.63	75	144746	57.532 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.63	75	144746	134.318 ug/l #		7
95) Naphthalene	15.41	128	20655	2.628 ug/l		96

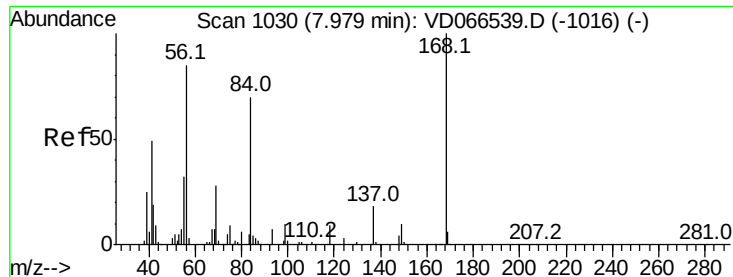
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091020\
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Operator : VA/SY
Sample : L3962-02
Misc : 5.02G/5.00ml/MSVOA D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: Sep 11 02:09:39 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:57:04 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: VD066625.D

Acq: 10 Sep 2020 19:23

Instrument :

MSVOA_D

ClientSampleId :

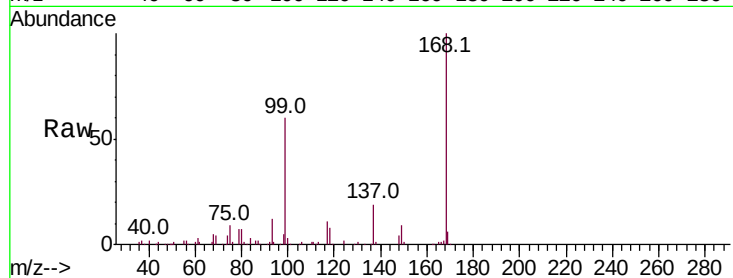
S-1A

Tot Ion:168 Resp: 354608

Ion Ratio Lower Upper

168 100

99 59.7 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

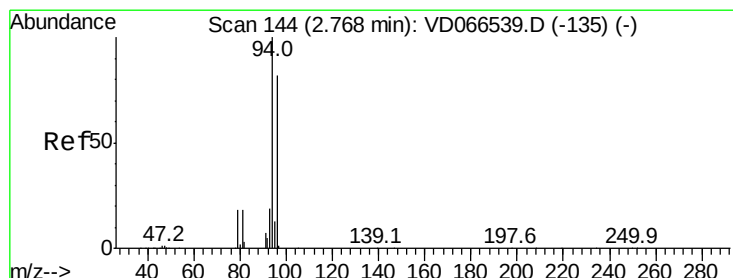
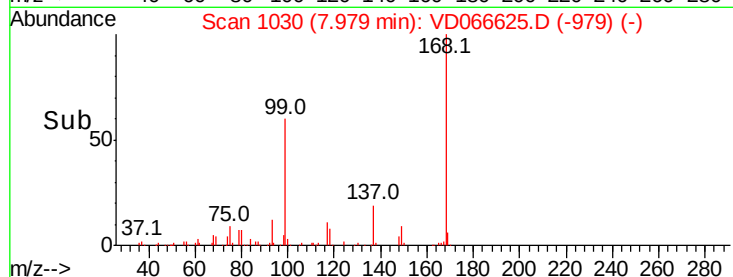
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD066625.D

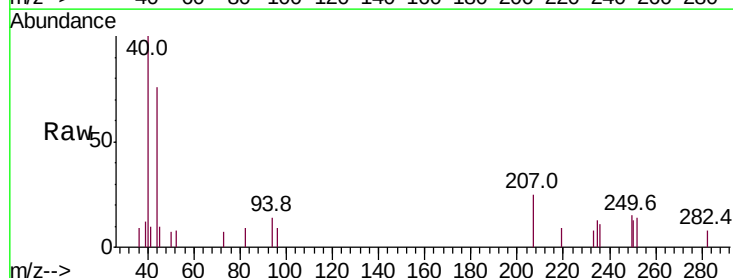
Acq: 10 Sep 2020 19:23

Tgt Ion: 94 Resp: 276

Ion Ratio Lower Upper

94 100

96 65.8 65.2 97.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

800

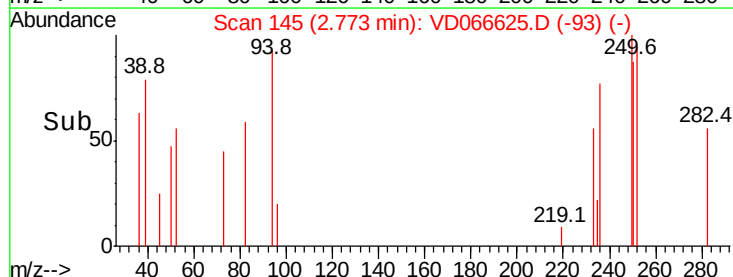
600

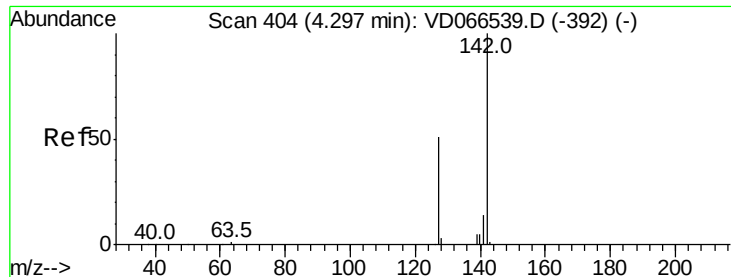
400

200

0

Time-->

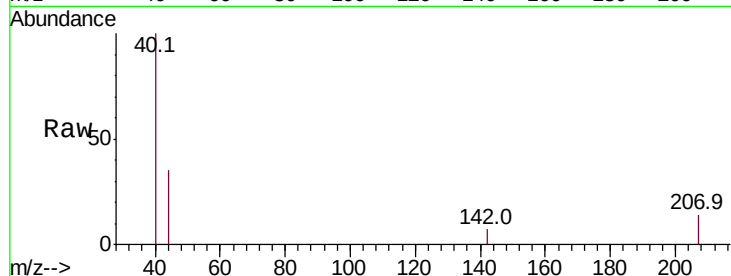




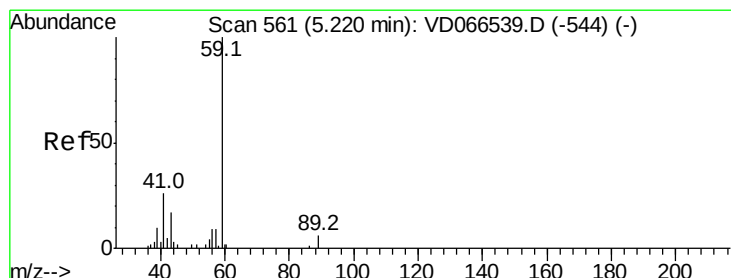
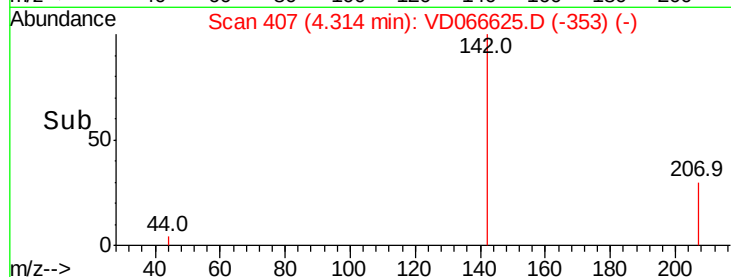
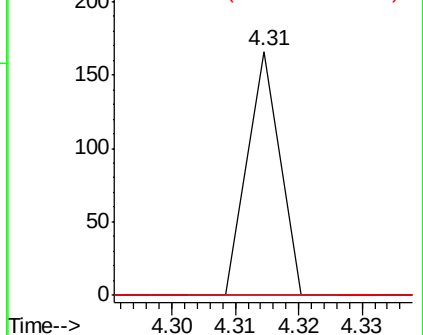
#10
Methyl Iodide
Concen: 4.038 ug/l
RT: 4.31 min Scan# 407
Delta R.T. 0.02 min
Lab File: VD066625.D
Acq: 10 Sep 2020 19:23

Instrument :
MSVOA_D
ClientSampleId :
S-1A

Tot Ion:142 Resp: 59
Ion Ratio Lower Upper
142 100
127 0.0 40.6 61.0#
141 0.0 12.2 18.4#

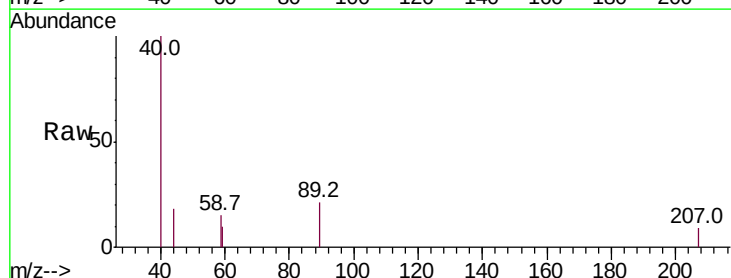


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

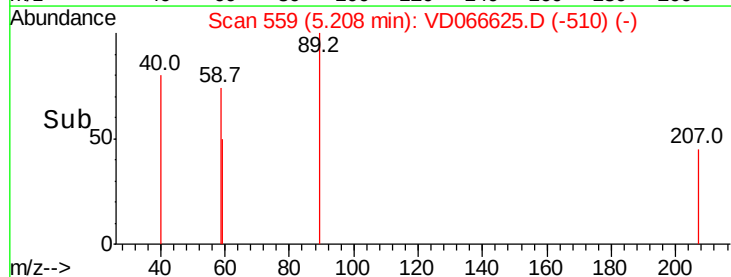
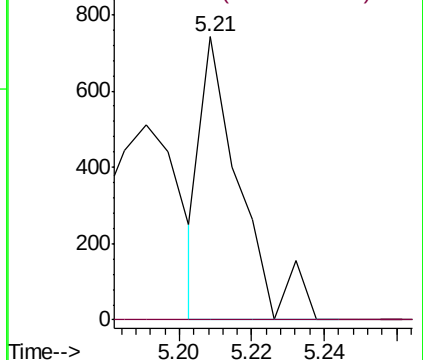


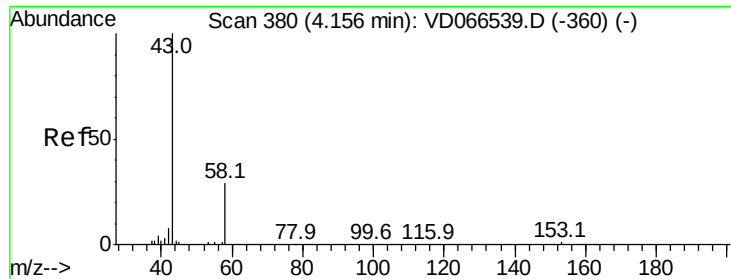
#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.21 min Scan# 559
Delta R.T. -0.01 min
Lab File: VD066625.D
Acq: 10 Sep 2020 19:23

Tgt Ion: 59 Resp: 552
Ion Ratio Lower Upper
59 100
57 0.0 7.6 11.4#



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





#16

Acetone

Concen: 2.274 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD066625.D

Acq: 10 Sep 2020 19:23

Instrument :

MSVOA_D

ClientSampleId :

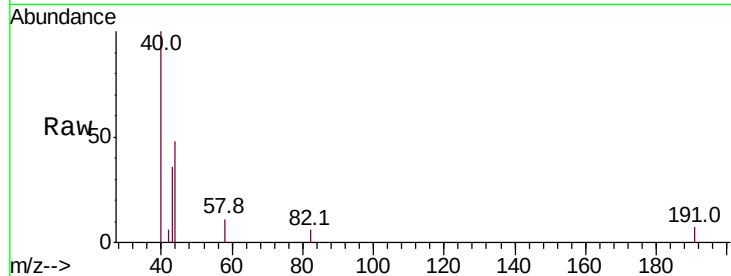
S-1A

Tot Ion: 43 Resp: 1795

Ion Ratio Lower Upper

43 100

58 30.8 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

1000

800

600

400

200

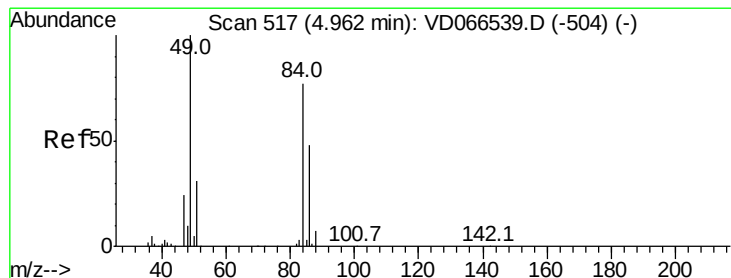
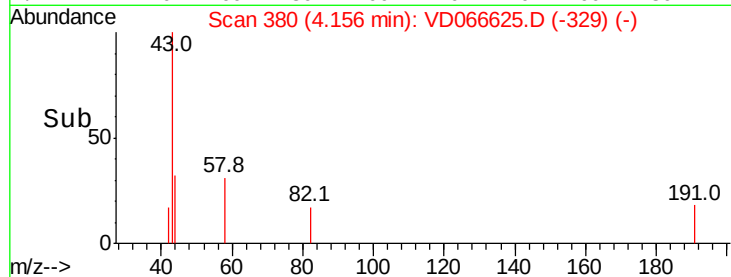
0

Time-->

4.10

4.15

4.20



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD066625.D

Acq: 10 Sep 2020 19:23

Tgt Ion: 84 Resp: 23573

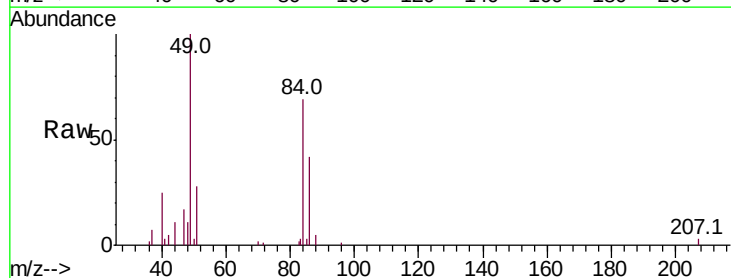
Ion Ratio Lower Upper

84 100

49 145.1 104.3 156.5

51 40.1 32.2 48.4

86 61.4 50.0 75.0



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

15000

10000

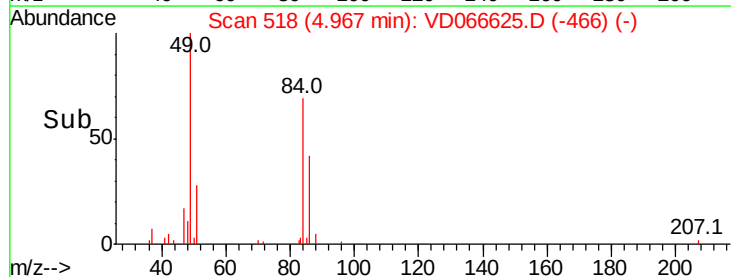
5000

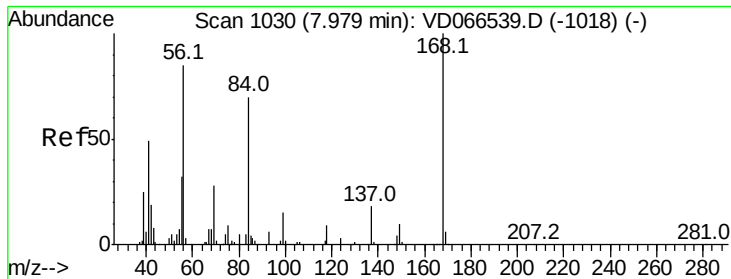
0

Time-->

4.90

5.00





#31

Cyclohexane

Concen: 1.396 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066625.D

Acq: 10 Sep 2020 19:23

Instrument :

MSVOA_D

ClientSampleId :

S-1A

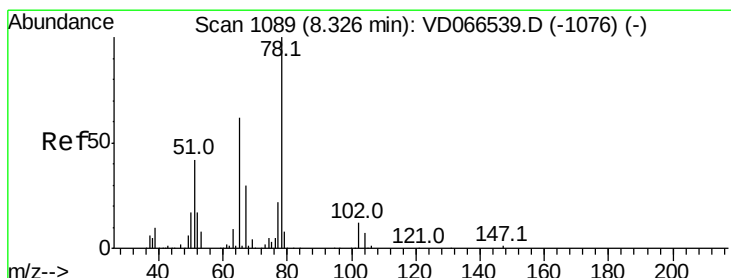
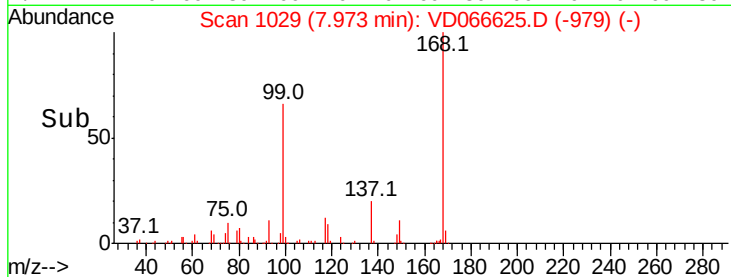
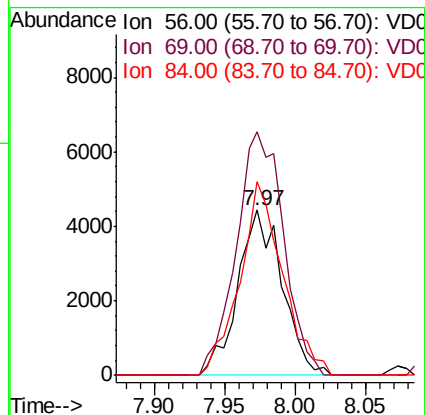
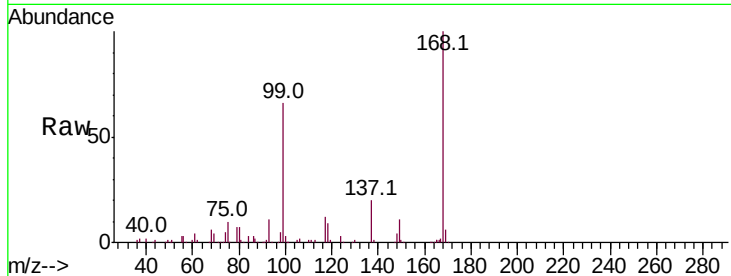
Tot Ion: 56 Resp: 9769

Ion Ratio Lower Upper

56 100

69 147.6 26.3 39.5#

84 117.3 66.1 99.1#



#33

1,2-Dichloroethane-d4

Concen: 55.416 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VD066625.D

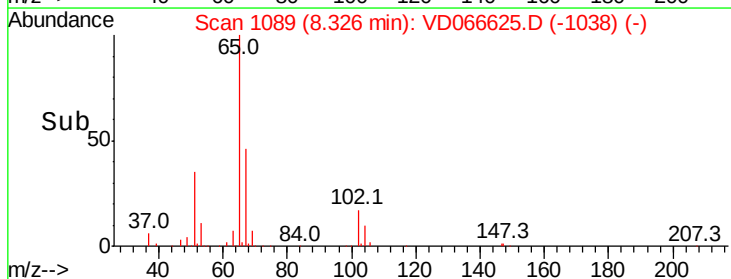
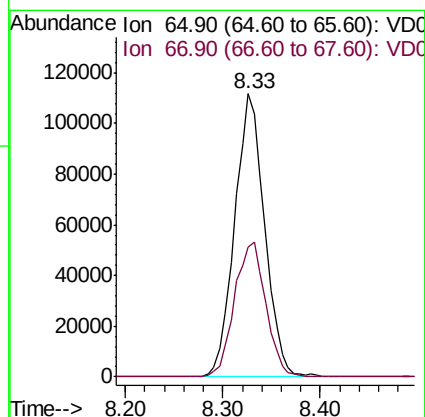
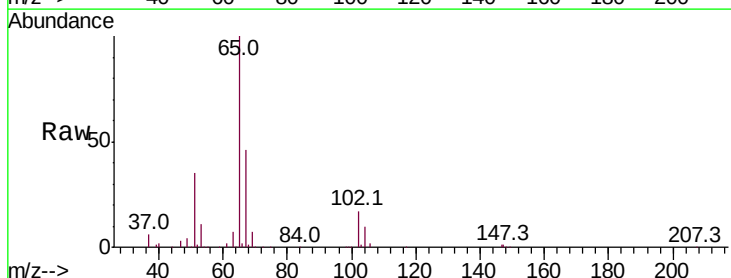
Acq: 10 Sep 2020 19:23

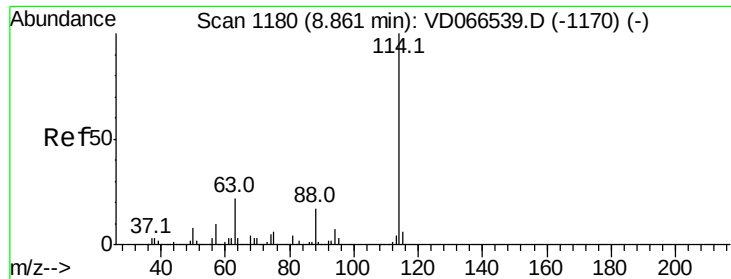
Tgt Ion: 65 Resp: 237758

Ion Ratio Lower Upper

65 100

67 49.8 0.0 102.8

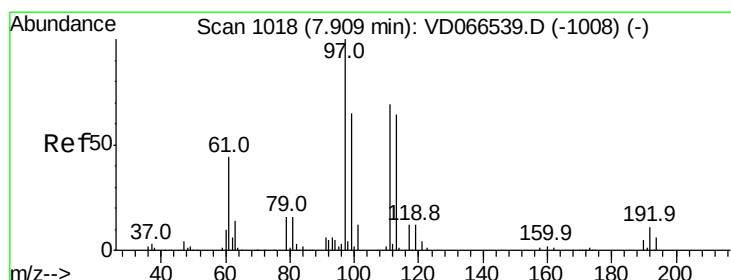
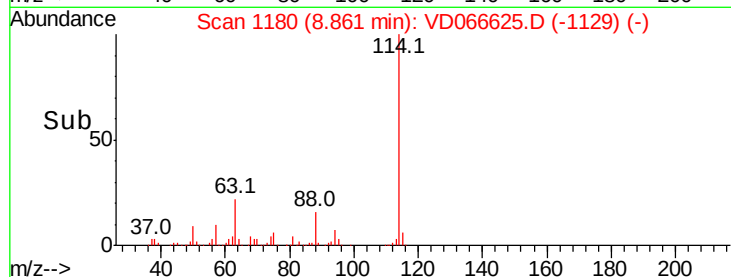
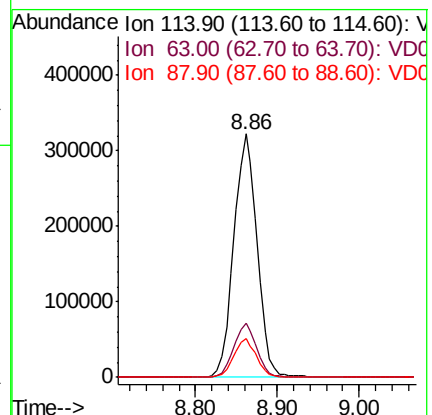
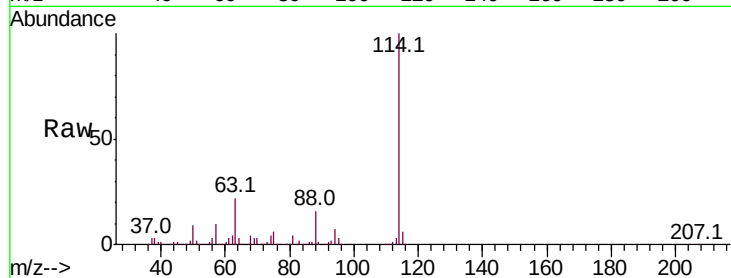




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.86 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD066625.D
Acq: 10 Sep 2020 19:23

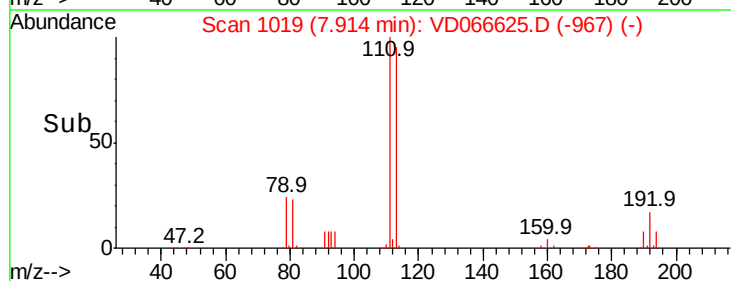
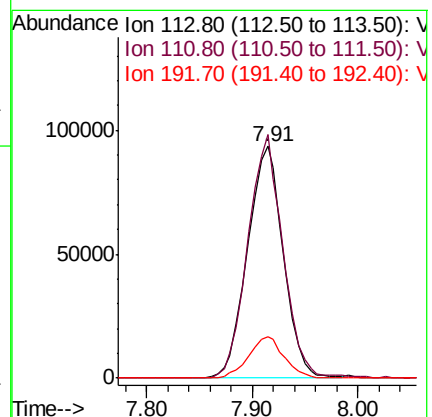
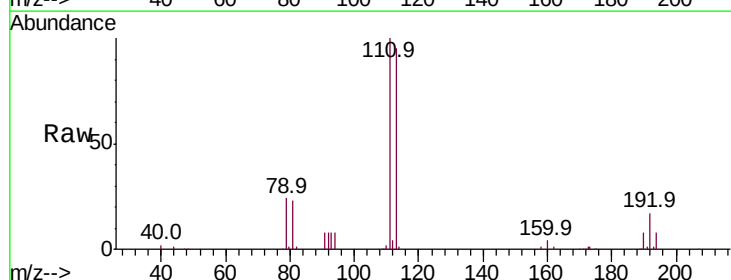
Instrument :
MSVOA_D
ClientSampleId :
S-1A

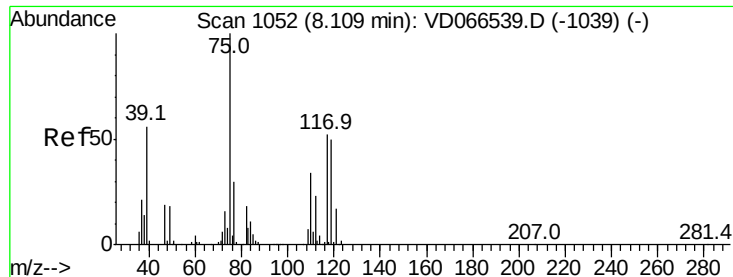
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	43.2
88	15.9	0.0	33.2



#35
Dibromofluoromethane
Concen: 51.187 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VD066625.D
Acq: 10 Sep 2020 19:23

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.2	124.8
192	17.5	13.7	20.5





#36

1,1-Dichloropropene

Concen: 5.005 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066625.D

Acq: 10 Sep 2020 19:23

Instrument :

MSVOA_D

ClientSampleId :

S-1A

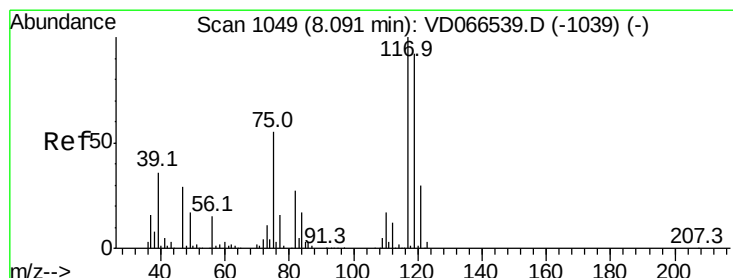
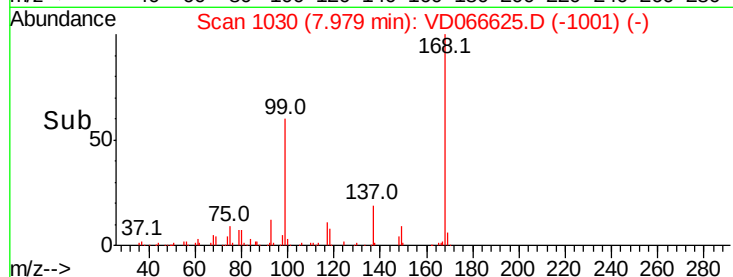
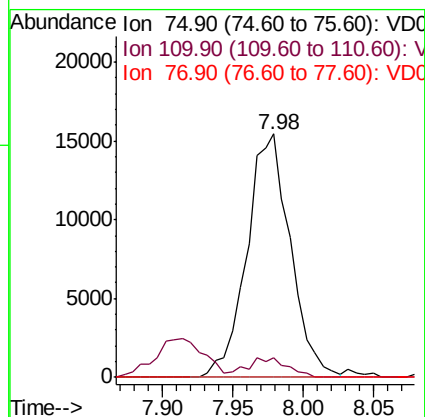
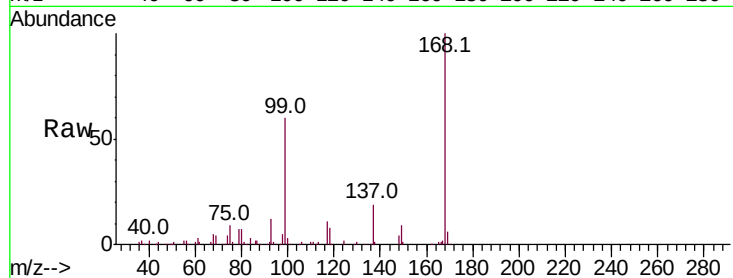
Tot Ion: 75 Resp: 33343

Ion Ratio Lower Upper

75 100

110 7.2 17.3 52.0#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.853 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066625.D

Acq: 10 Sep 2020 19:23

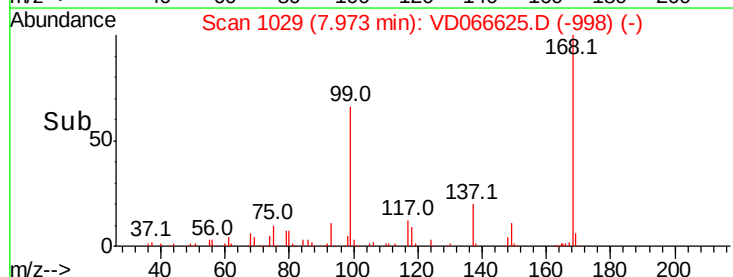
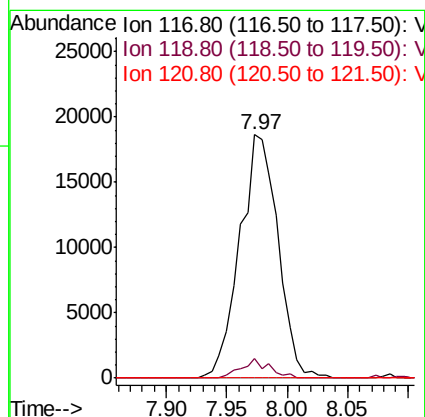
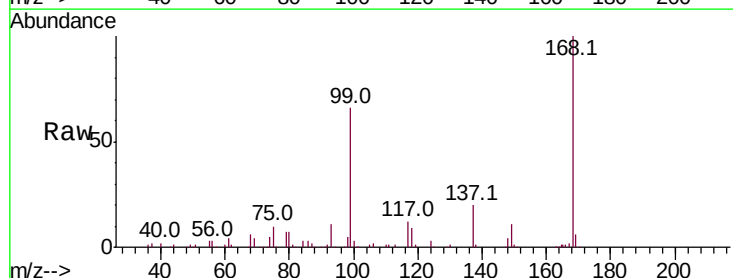
Tgt Ion: 117 Resp: 41213

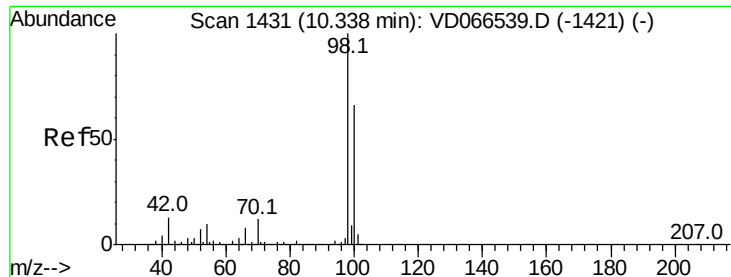
Ion Ratio Lower Upper

117 100

119 8.0 73.9 110.9#

121 0.0 24.1 36.1#





#50

Toluene-d8

Concen: 51.820 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066625.D

Acq: 10 Sep 2020 19:23

Instrument :

MSVOA_D

ClientSampleId :

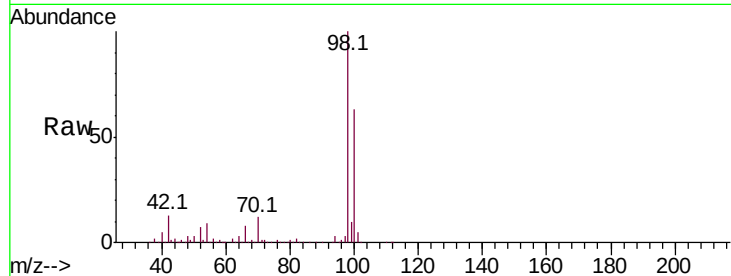
S-1A

Tot Ion: 98 Resp: 799834

Ion Ratio Lower Upper

98 100

100 63.6 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

400000

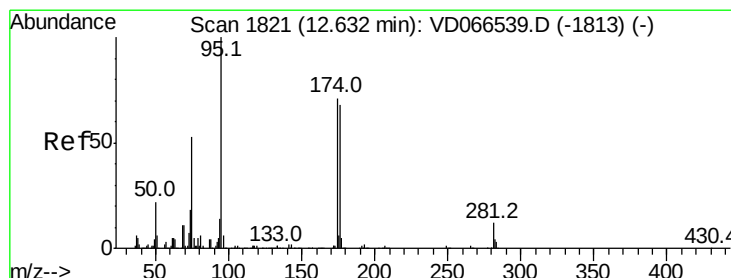
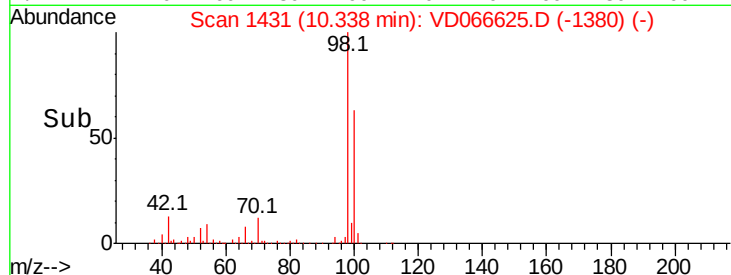
300000

200000

100000

0

Time--> 10.20 10.30 10.40 10.50



#62

4-Bromofluorobenzene

Concen: 50.224 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066625.D

Acq: 10 Sep 2020 19:23

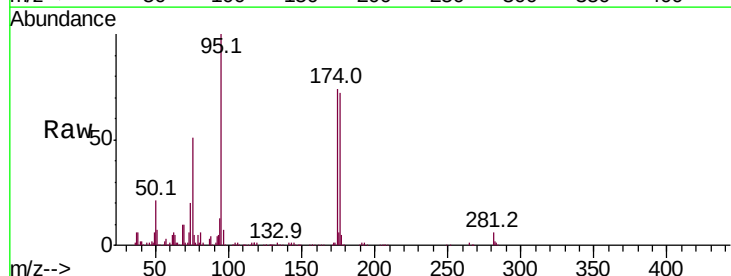
Tgt Ion: 95 Resp: 257051

Ion Ratio Lower Upper

95 100

174 76.3 0.0 155.8

176 74.4 0.0 148.6



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

200000

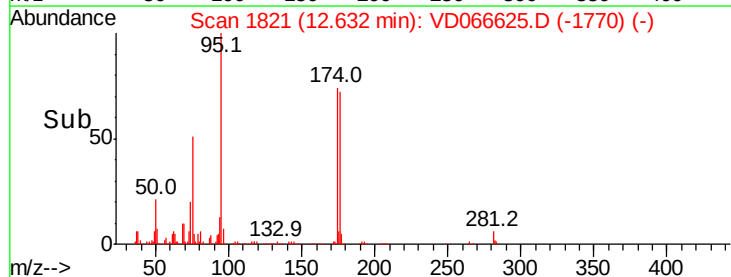
150000

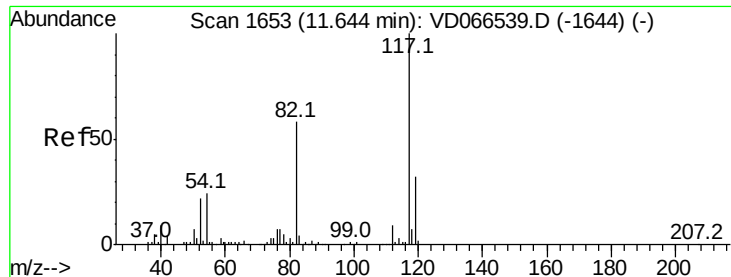
100000

50000

0

Time--> 12.60 12.70

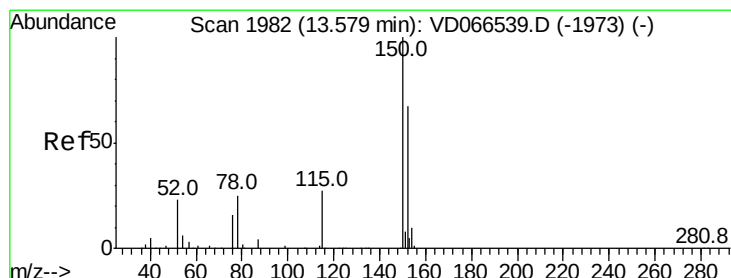
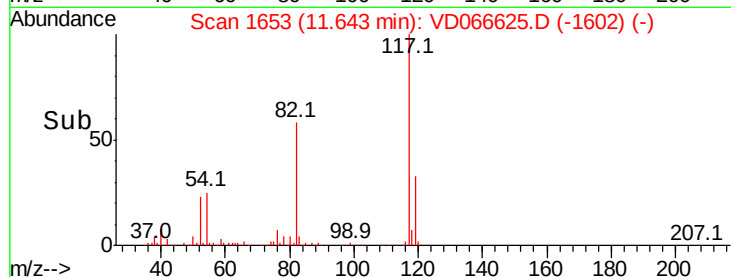
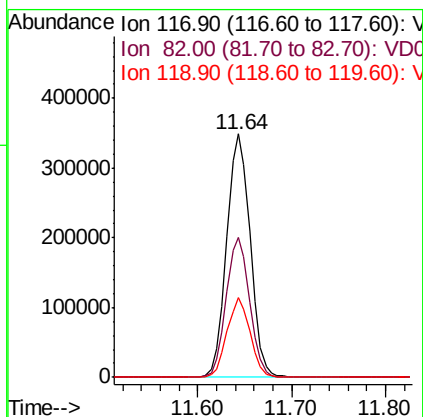
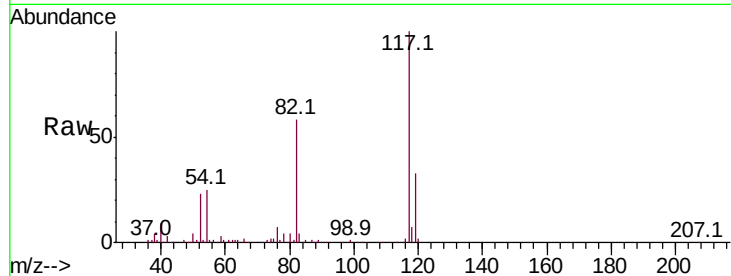




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066625.D
Acq: 10 Sep 2020 19:23

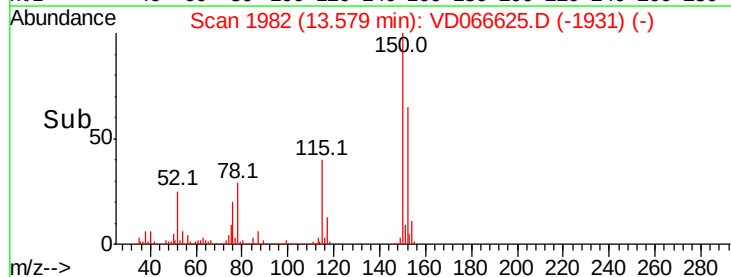
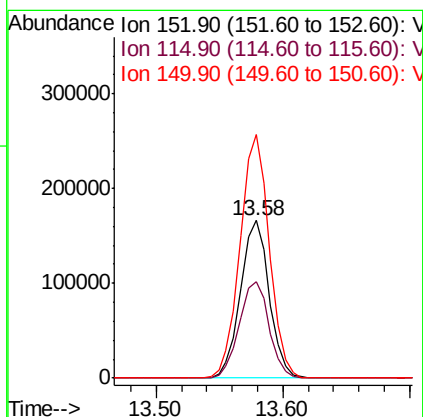
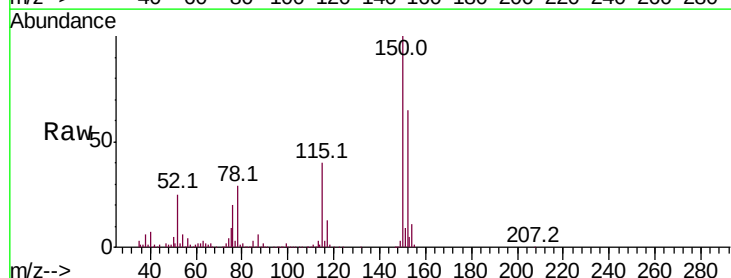
Instrument :
MSVOA_D
ClientSampleId :
S-1A

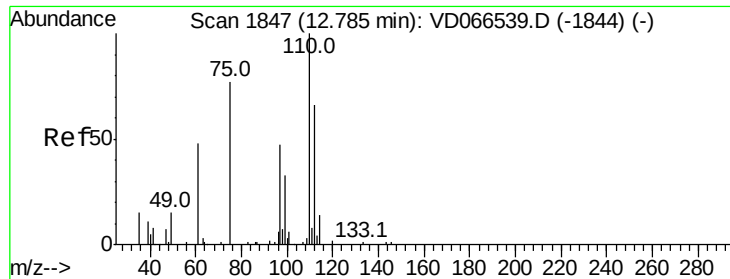
Tot Ion:117 Resp: 604243
Ion Ratio Lower Upper
117 100
82 57.6 46.2 69.2
119 33.0 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066625.D
Acq: 10 Sep 2020 19:23

Tgt Ion:152 Resp: 261602
Ion Ratio Lower Upper
152 100
115 63.5 30.4 91.2
150 156.5 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 57.532 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066625.D

Acq: 10 Sep 2020 19:23

Instrument :

MSVOA_D

ClientSampleId :

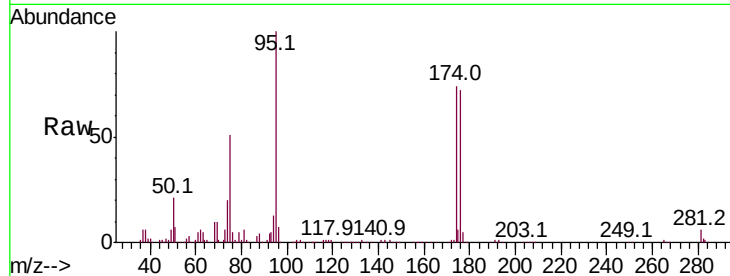
S-1A

Tot Ion: 75 Resp: 144746

Ion Ratio Lower Upper

75 100

77 1.6 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

80000

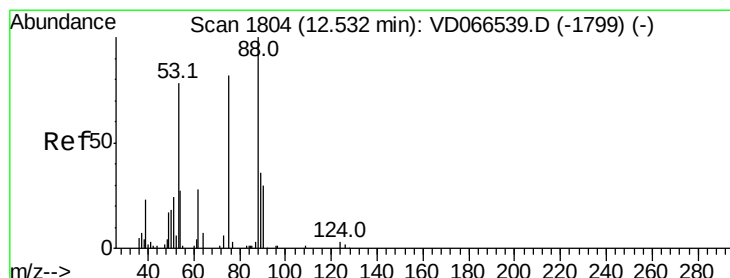
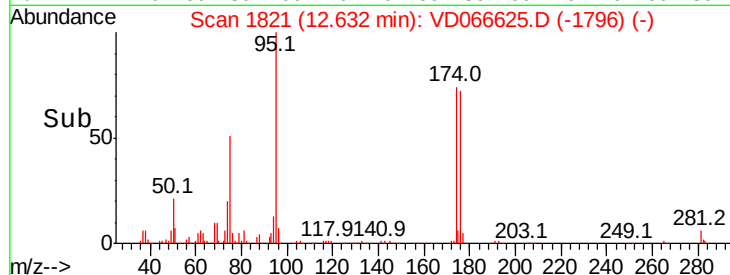
60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 134.318 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066625.D

Acq: 10 Sep 2020 19:23

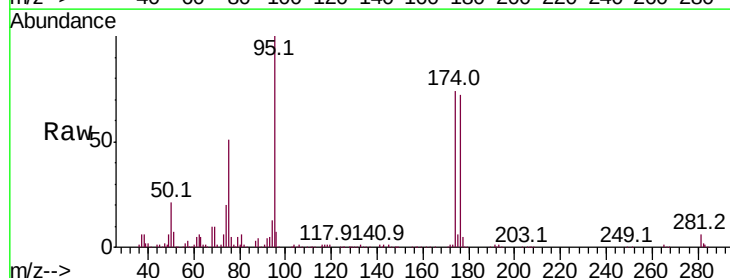
Tgt Ion: 75 Resp: 144746

Ion Ratio Lower Upper

75 100

53 0.1 87.0 130.4#

89 0.1 37.1 55.7#



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

12.63

80000

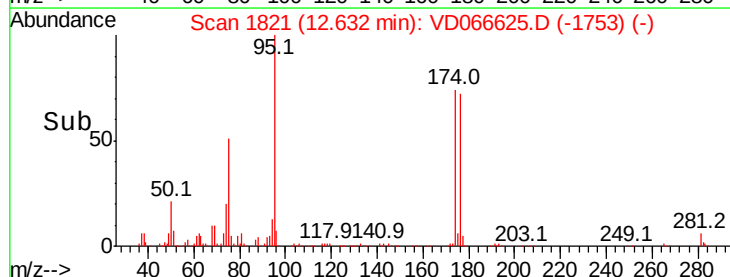
60000

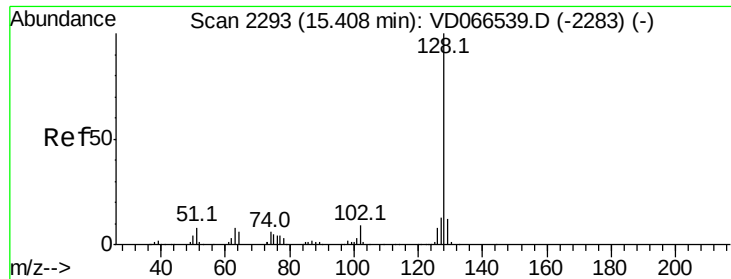
40000

20000

0

Time--> 12.55 12.60 12.65 12.70

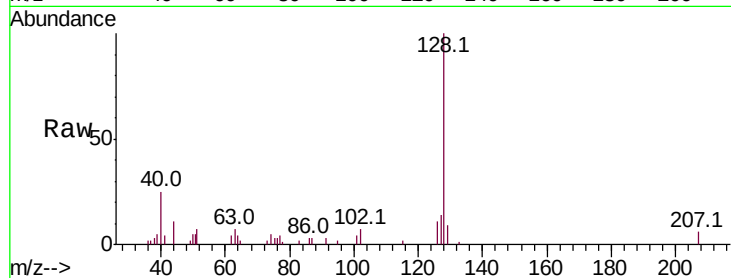




#95
Naphthalene
Concen: 2.628 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066625.D
Acq: 10 Sep 2020 19:23

Instrument :
MSVOA_D
ClientSampleId :
S-1A

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.8	10.7	16.1
129	10.5	9.1	13.7



Abundance Ion 128.00 (127.70 to 128.70): V
15000 Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

