

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090120\
 Data File : VD066511.D
 Acq On : 01 Sep 2020 22:09
 Operator : VA/SY
 Sample : L3853-01
 Misc : 6.46G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 208

Quant Time: Sep 02 01:08:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	180289	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	267879	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	256921	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	123889	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	100685	56.96	ug/l	0.00
Spiked Amount			Recovery	=	113.92%	
35) Dibromofluoromethane	7.91	113	81472	48.64	ug/l	0.00
Spiked Amount			Recovery	=	97.28%	
50) Toluene-d8	10.34	98	312959	51.06	ug/l	0.00
Spiked Amount			Recovery	=	102.12%	
62) 4-Bromofluorobenzene	12.63	95	113177	52.04	ug/l	0.00
Spiked Amount			Recovery	=	104.08%	

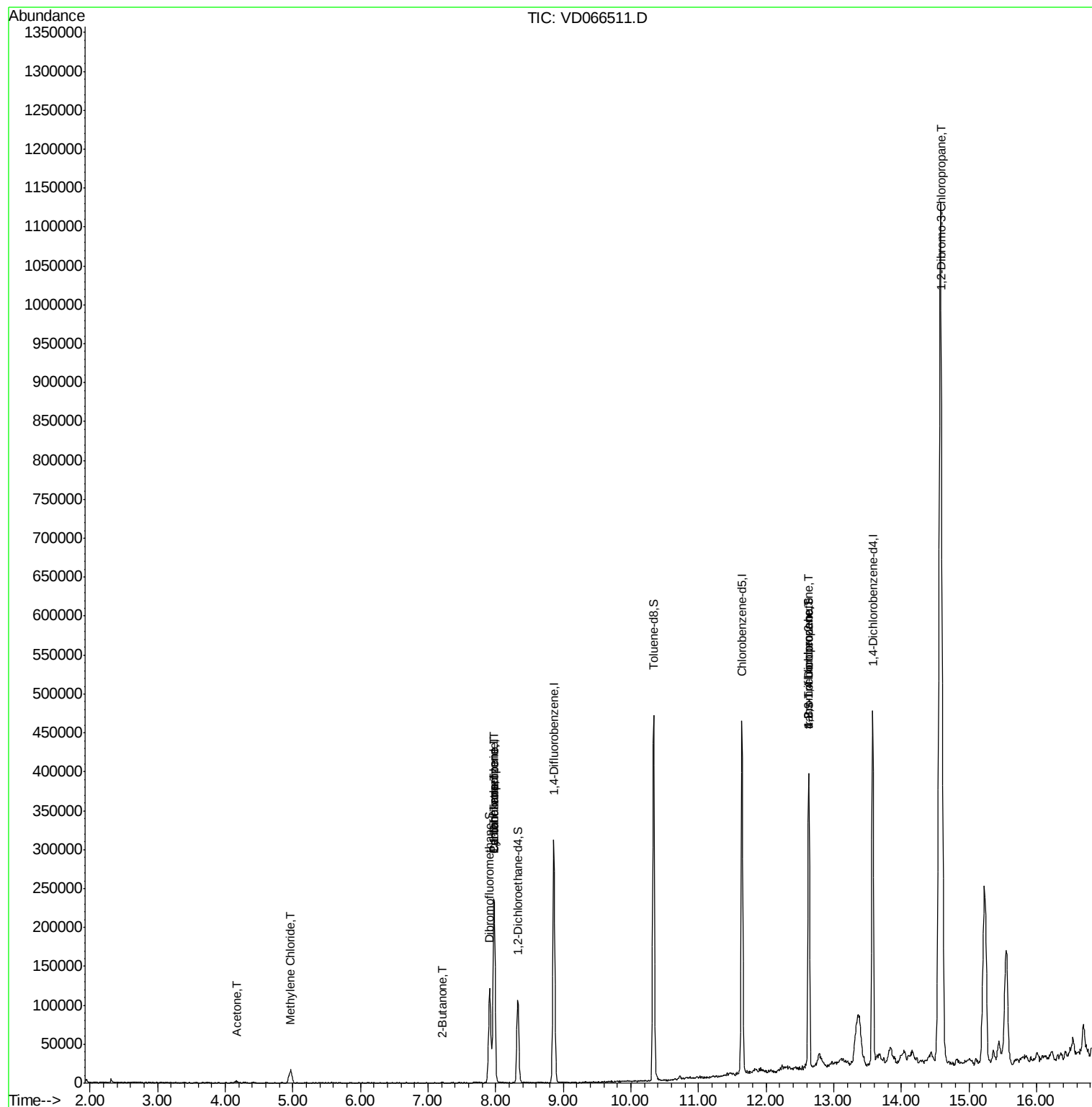
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	333	Below Cal	#	71
16) Acetone	4.17	43	3913	12.280	ug/l #	68
20) Methylene Chloride	4.97	84	12934	1.446	ug/l #	82
25) 2-Butanone	7.21	43	749	2.070	ug/l #	47
31) Cyclohexane	7.98	56	4303	1.753	ug/l #	50
36) 1,1-Dichloropropene	7.98	75	13070	5.347	ug/l #	52
38) Carbon Tetrachloride	7.98	117	19069	5.988	ug/l #	15
76) 1,2,3-Trichloropropane	12.63	75	66799	76.643	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	66799	162.687	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	14.58	75	19264	77.472	ug/l #	9

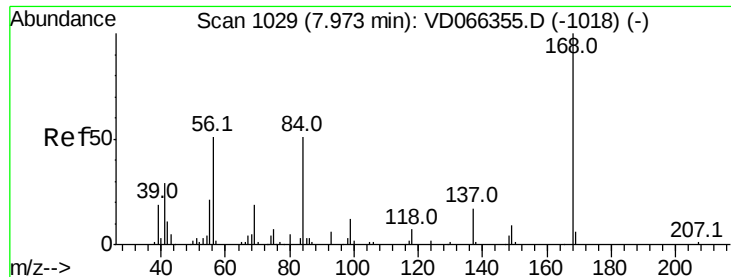
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD090120\
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Quant Title : SW846 8260
QLast Update : Fri Aug 21 13:36:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VD066511.D

Acq: 01 Sep 2020 22:09

Instrument :

MSVOA_D

ClientSampleId :

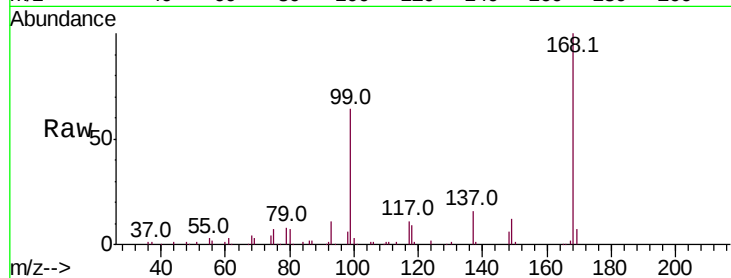
208

Tot Ion:168 Resp: 180289

Ion Ratio Lower Upper

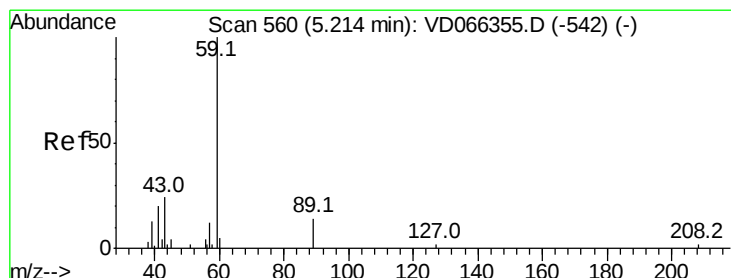
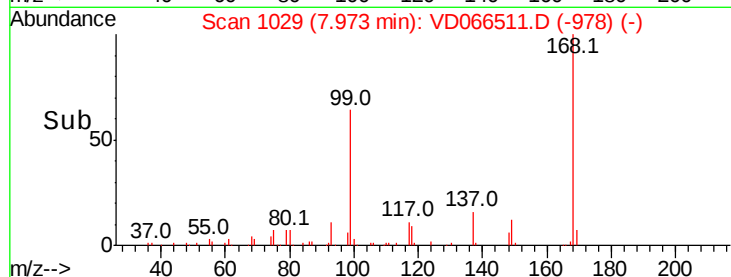
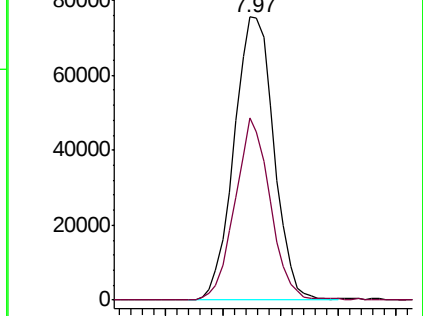
168 100

99 64.3 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD066511.D

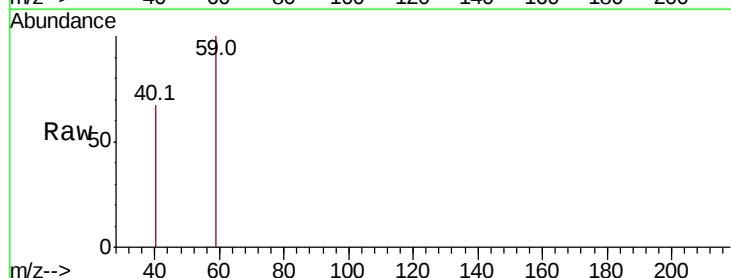
Acq: 01 Sep 2020 22:09

Tgt Ion: 59 Resp: 333

Ion Ratio Lower Upper

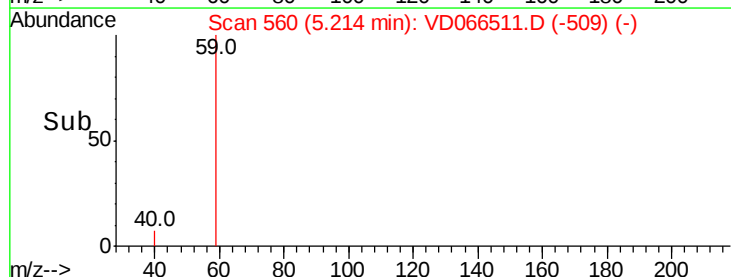
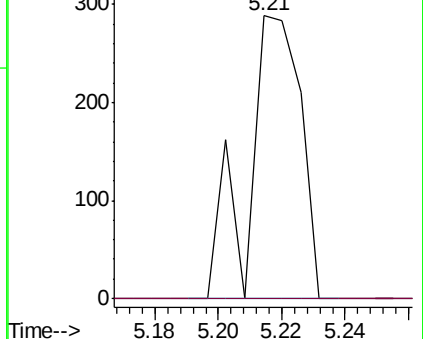
59 100

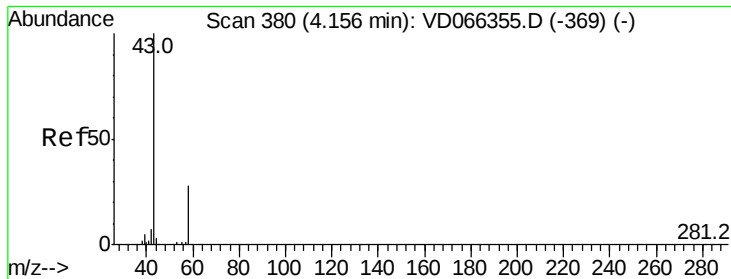
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 12.280 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD066511.D

Acq: 01 Sep 2020 22:09

Instrument :

MSVOA_D

ClientSampleId :

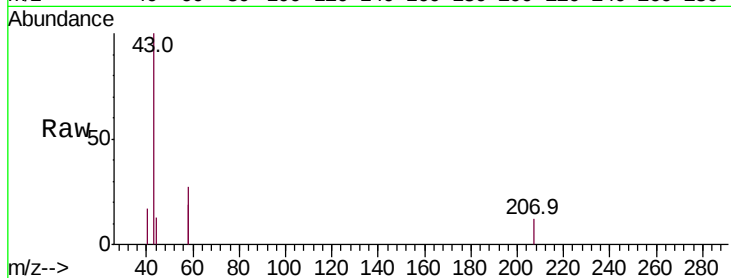
208

Tot Ion: 43 Resp: 3913

Ion Ratio Lower Upper

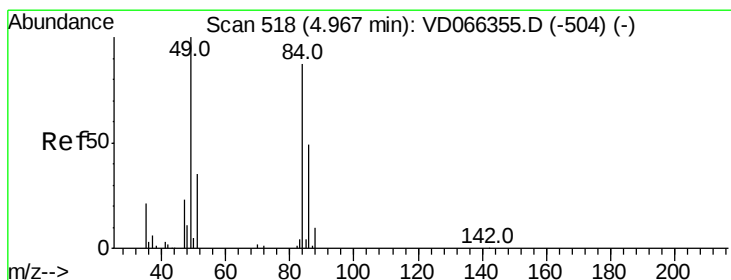
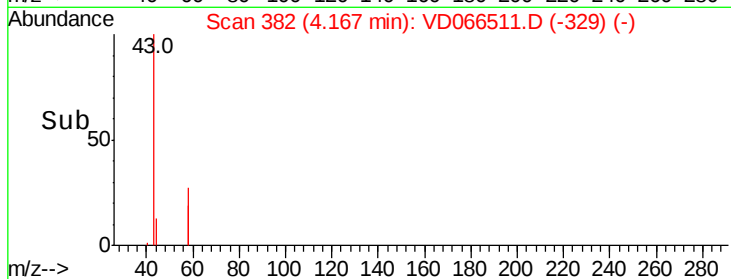
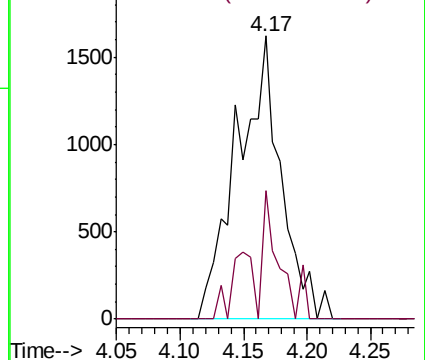
43 100

58 45.2 22.7 34.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 1.446 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD066511.D

Acq: 01 Sep 2020 22:09

Tgt Ion: 84 Resp: 12934

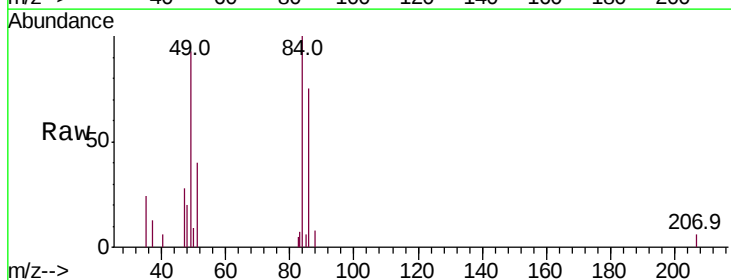
Ion Ratio Lower Upper

84 100

49 93.2 92.5 138.7

51 40.1 32.5 48.7

86 75.4 45.0 67.6#

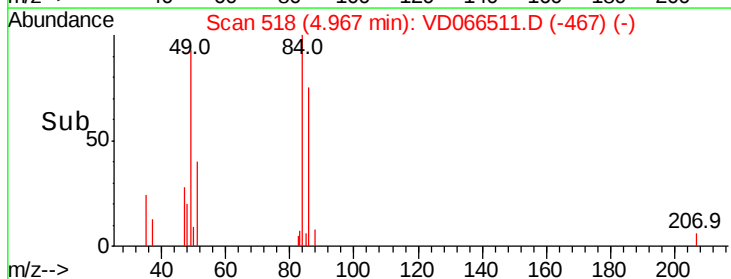
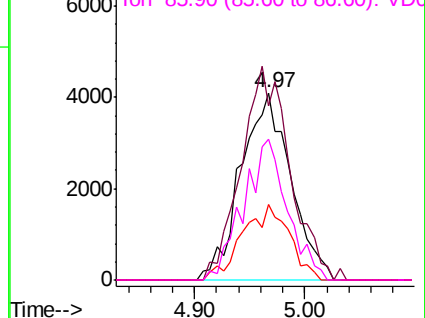


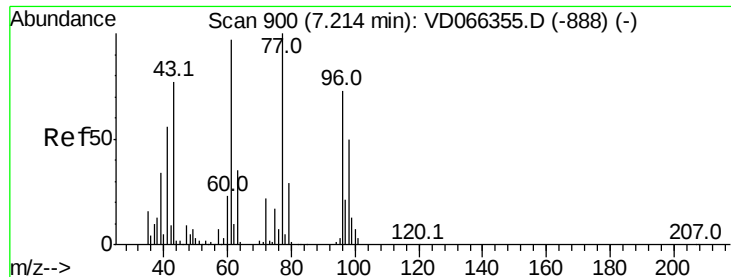
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

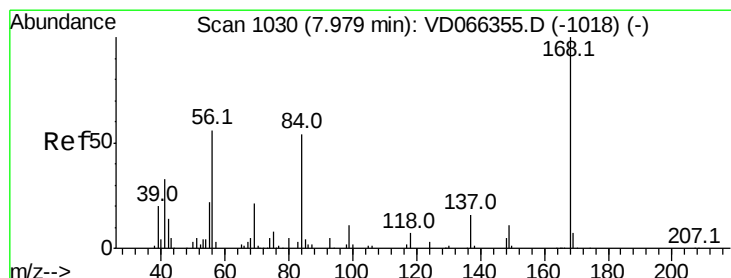
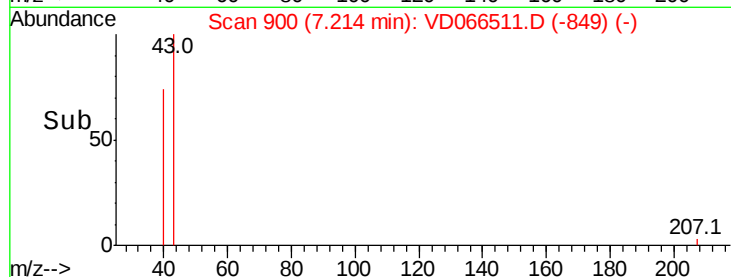
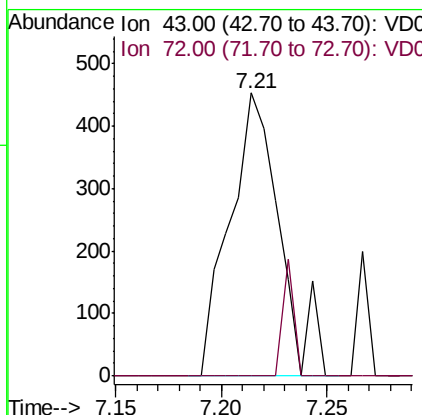
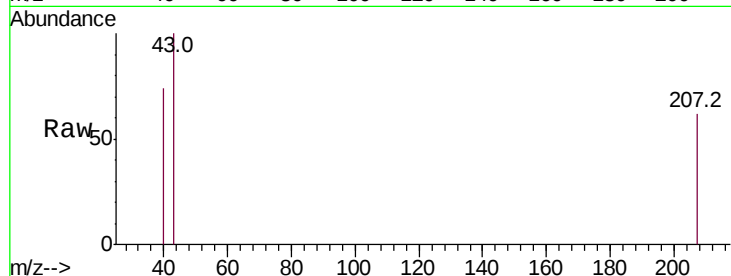




#25
2-Butanone
Concen: 2.070 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD066511.D
Acq: 01 Sep 2020 22:09

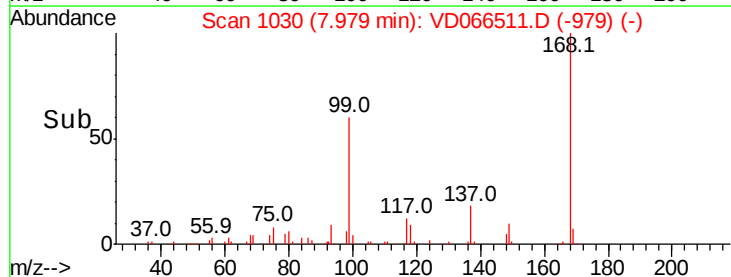
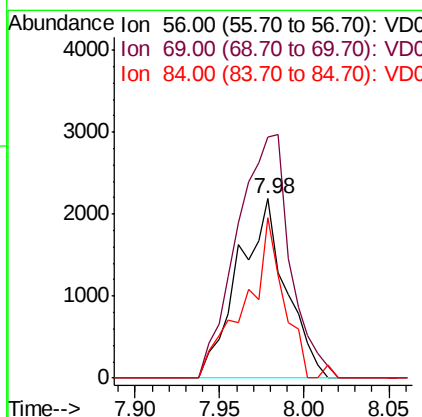
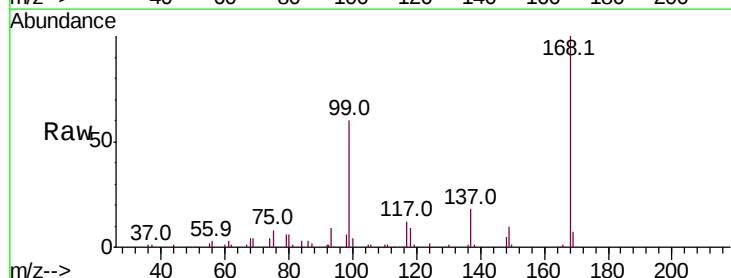
Instrument :
MSVOA_D
ClientSampled :
208

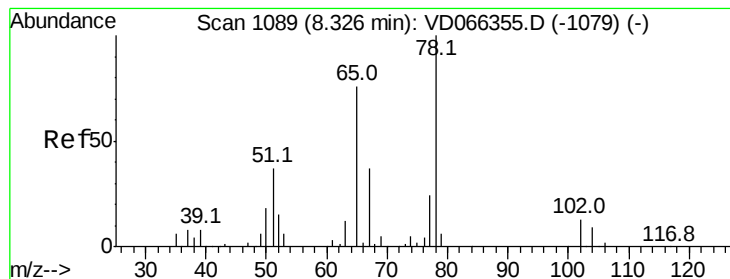
Tot Ion: 43 Resp: 749
Ion Ratio Lower Upper
43 100
72 0.0 22.5 33.7#



#31
Cyclohexane
Concen: 1.753 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066511.D
Acq: 01 Sep 2020 22:09

Tgt Ion: 56 Resp: 4303
Ion Ratio Lower Upper
56 100
69 133.9 29.6 44.4#
84 89.3 76.6 115.0





#33

1,2-Dichloroethane-d4

Concen: 56.963 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VD066511.D

Acq: 01 Sep 2020 22:09

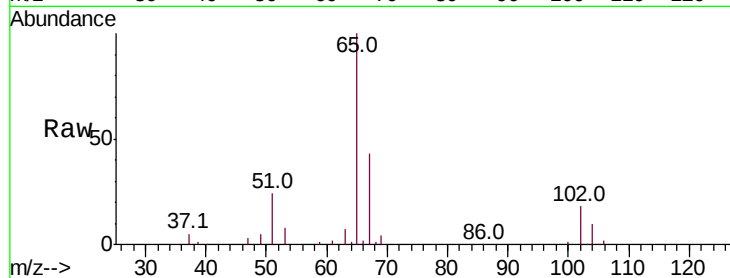
Instrument :
MSVOA_D
ClientSampled :
208

Tot Ion: 65 Resp: 100685

Ion Ratio Lower Upper

65 100

67 45.1 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

40000

30000

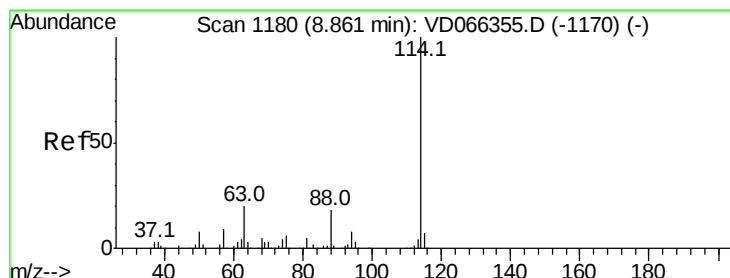
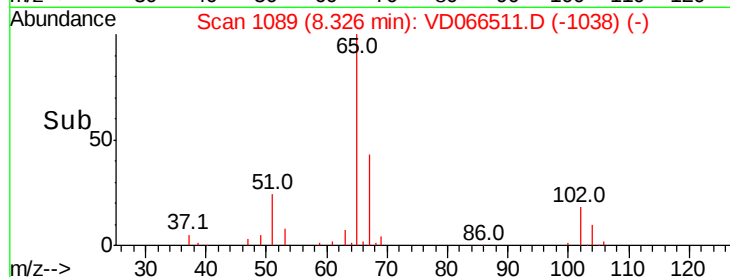
20000

10000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066511.D

Acq: 01 Sep 2020 22:09

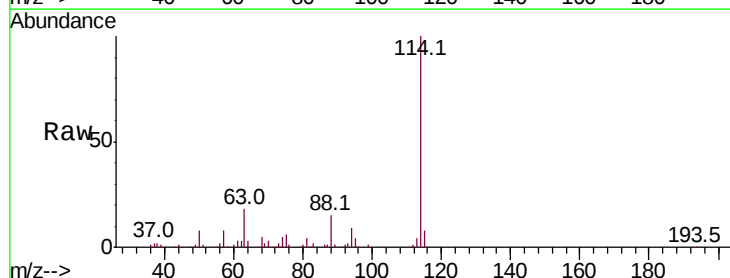
Tgt Ion:114 Resp: 267879

Ion Ratio Lower Upper

114 100

63 18.3 0.0 40.8

88 14.7 0.0 35.4



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

8.86

150000

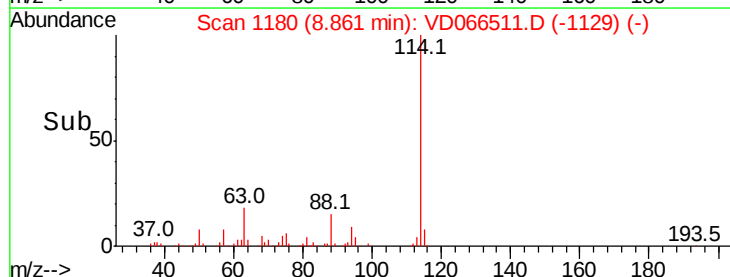
100000

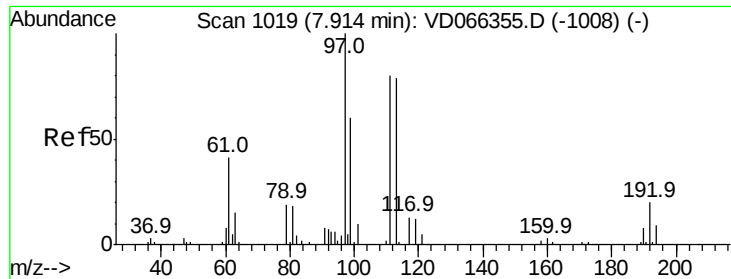
50000

0

8.80 8.90 9.00

Time-->

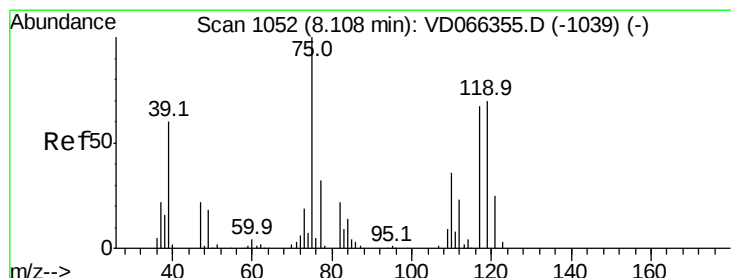
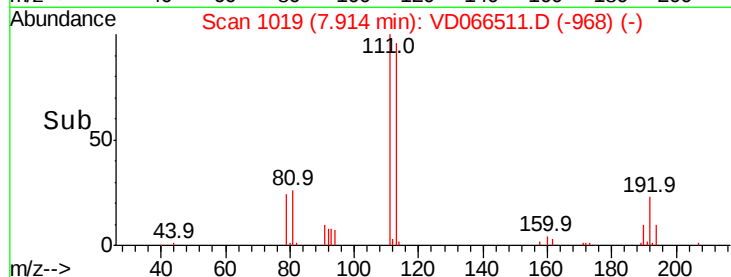
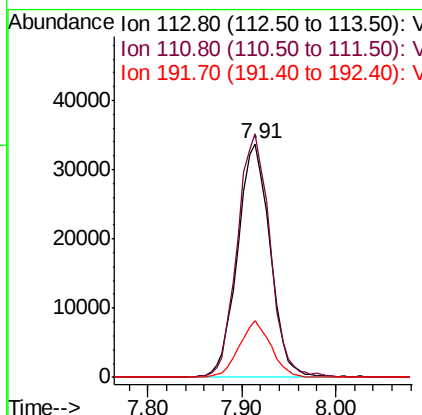
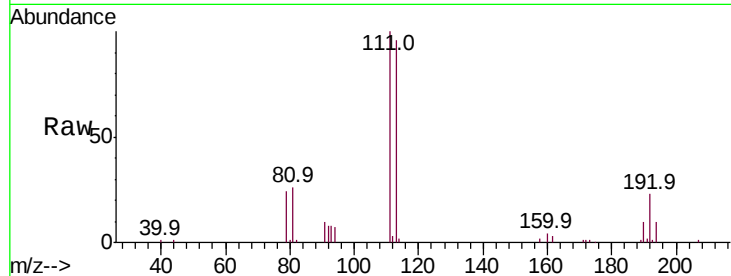




#35
 Dibromofluoromethane
 Concen: 48.638 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD066511.D
 Acq: 01 Sep 2020 22:09

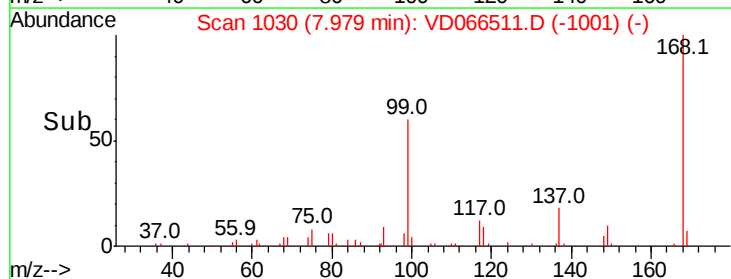
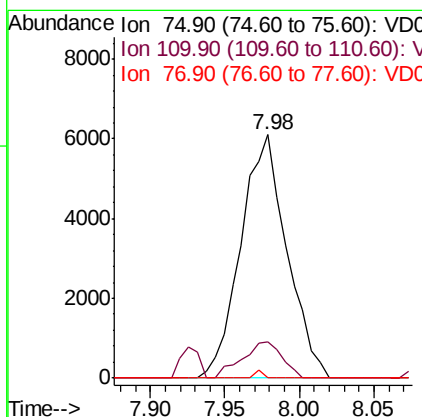
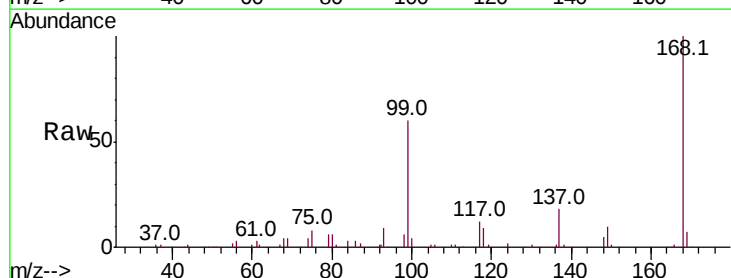
Instrument :
 MSVOA_D
 ClientSampleId :
 208

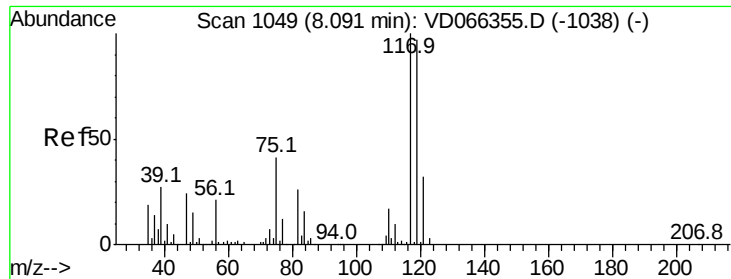
Tot Ion:113 Resp: 81472
 Ion Ratio Lower Upper
 113 100
 111 104.4 80.3 120.5
 192 23.5 19.0 28.6



#36
 1,1-Dichloropropene
 Concen: 5.347 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066511.D
 Acq: 01 Sep 2020 22:09

Tgt Ion: 75 Resp: 13070
 Ion Ratio Lower Upper
 75 100
 110 13.1 18.7 56.1#
 77 0.5 25.2 37.8#





#38

Carbon Tetrachloride

Concen: 5.988 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066511.D

Acq: 01 Sep 2020 22:09

Instrument :

MSVOA_D

ClientSampleId :

208

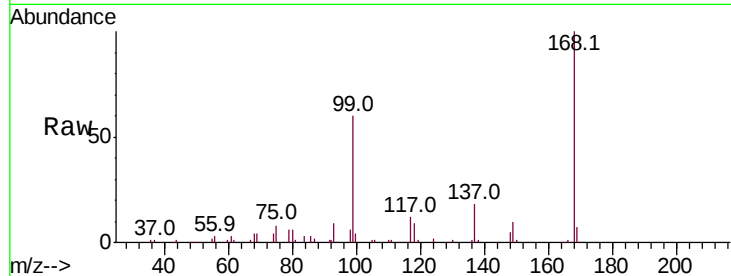
Tot Ion:117 Resp: 19069

Ion Ratio Lower Upper

117 100

119 4.3 77.2 115.8#

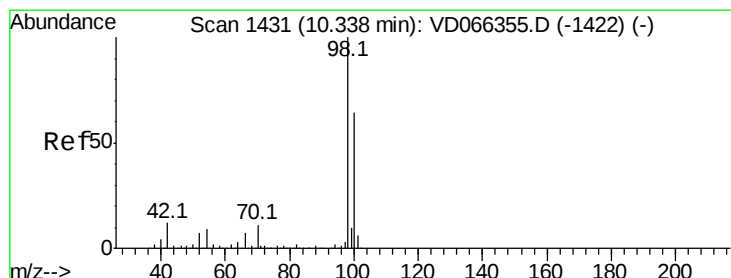
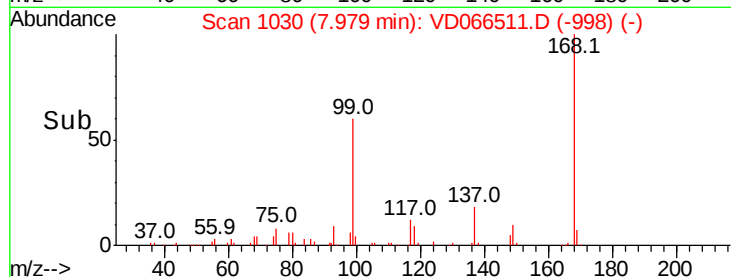
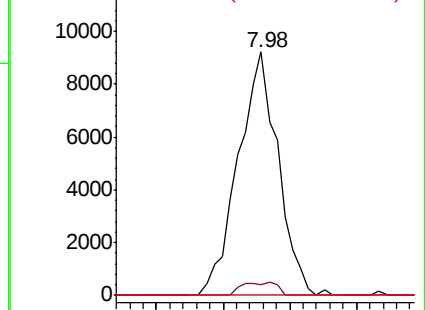
121 0.0 25.8 38.8#



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: 51.063 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066511.D

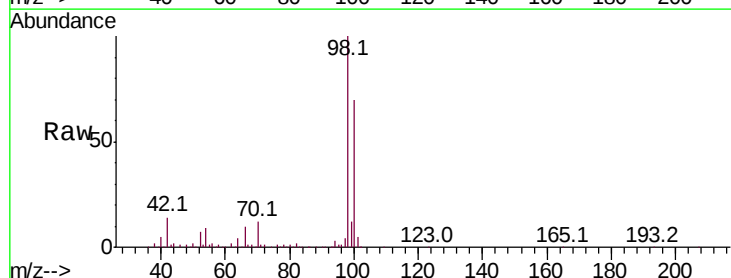
Acq: 01 Sep 2020 22:09

Tgt Ion: 98 Resp: 312959

Ion Ratio Lower Upper

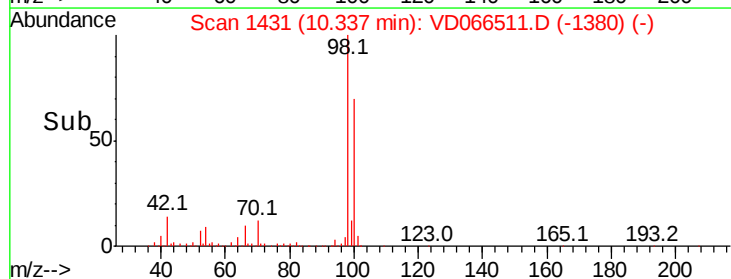
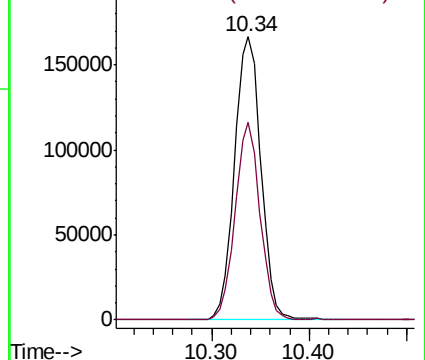
98 100

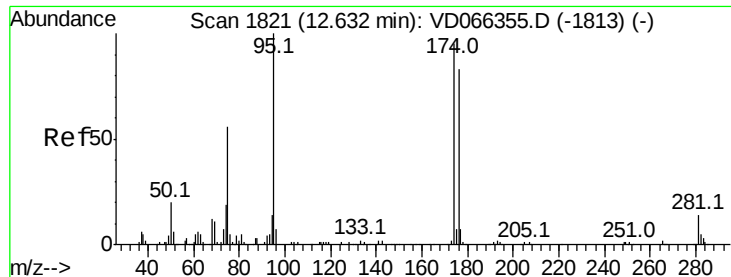
100 65.9 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

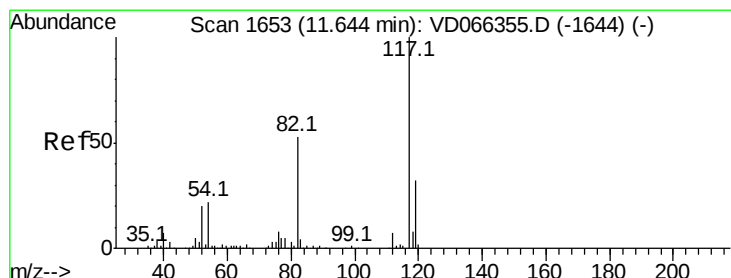
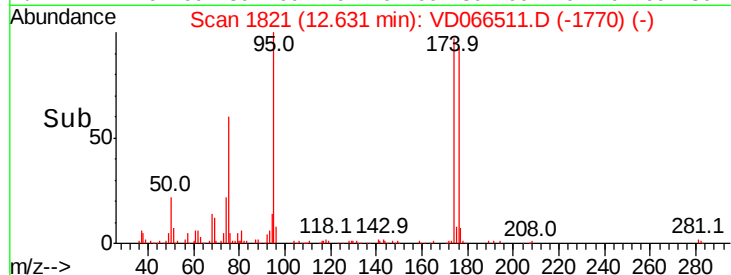
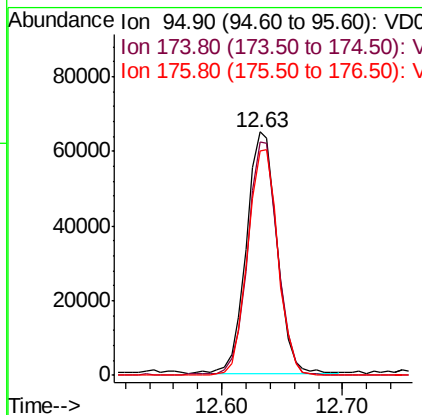
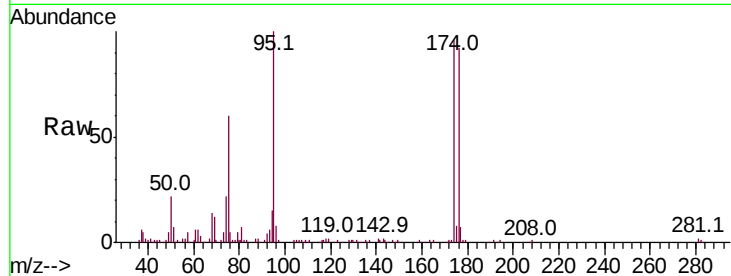




#62
4-Bromofluorobenzene
Concen: 52.041 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066511.D
Acq: 01 Sep 2020 22:09

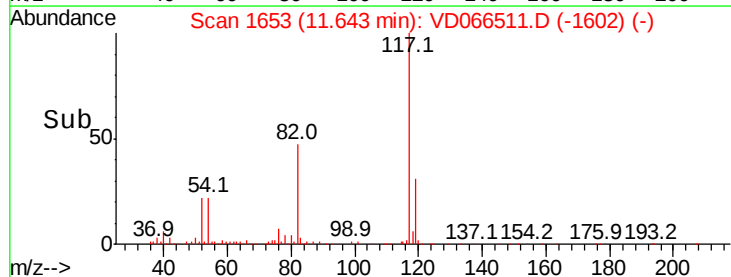
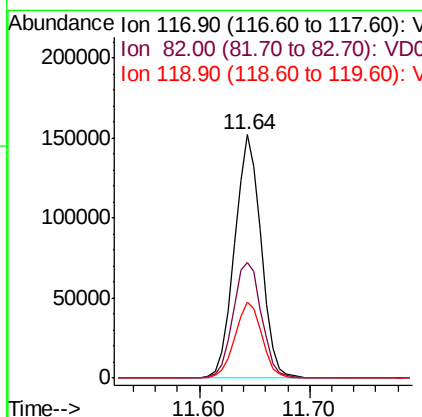
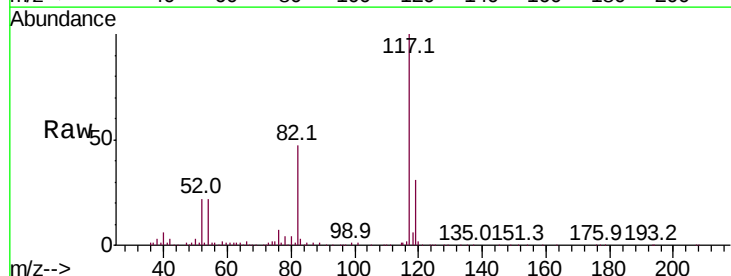
Instrument :
MSVOA_D
ClientSampleId :
208

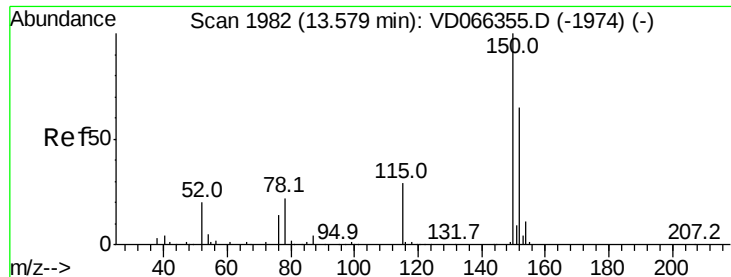
Tot Ion: 95 Resp: 113177
Ion Ratio Lower Upper
95 100
174 95.8 0.0 183.4
176 92.9 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066511.D
Acq: 01 Sep 2020 22:09

Tgt Ion: 117 Resp: 256921
Ion Ratio Lower Upper
117 100
82 47.3 42.8 64.2
119 31.0 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: VD066511.D

Acq: 01 Sep 2020 22:09

Instrument :

MSVOA_D

ClientSampleId :

208

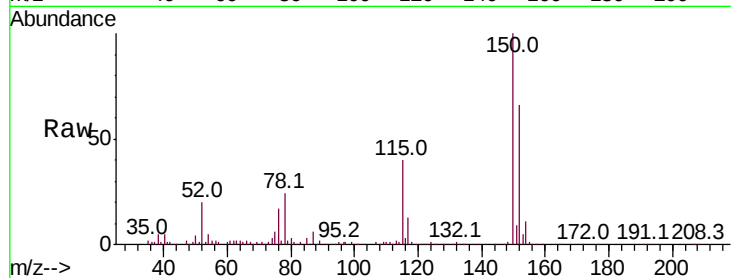
Tot Ion:152 Resp: 123889

Ion Ratio Lower Upper

152 100

115 59.6 28.3 85.0

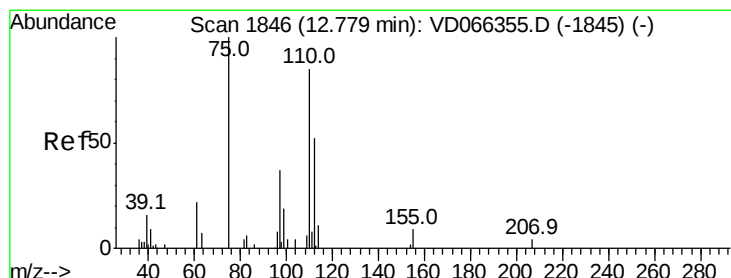
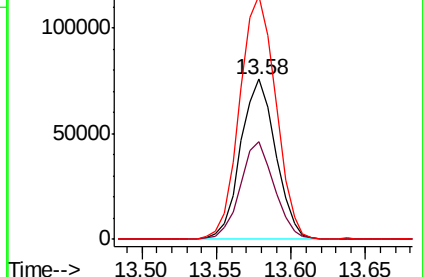
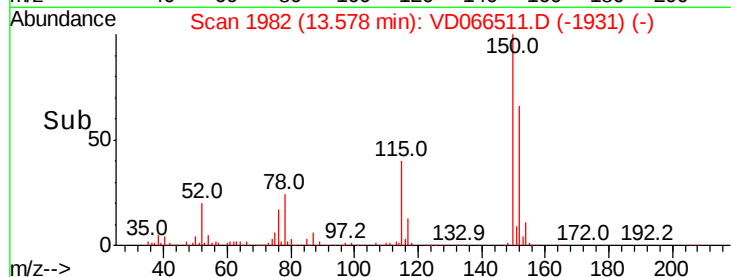
150 156.1 0.0 343.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 76.643 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066511.D

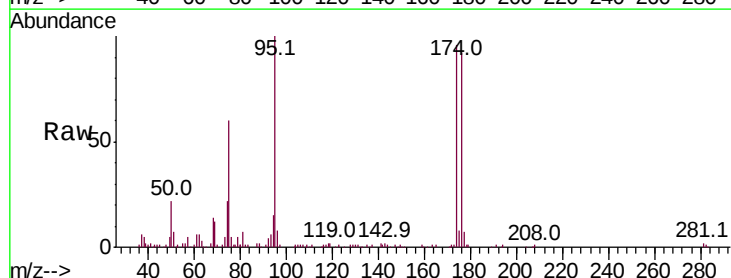
Acq: 01 Sep 2020 22:09

Tgt Ion: 75 Resp: 66799

Ion Ratio Lower Upper

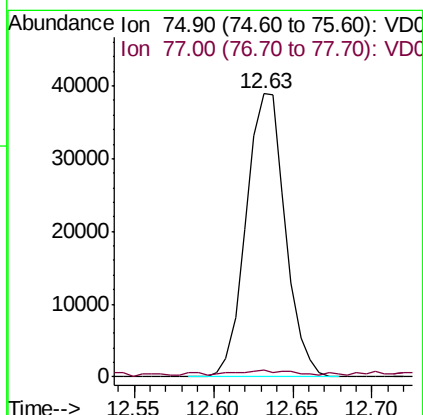
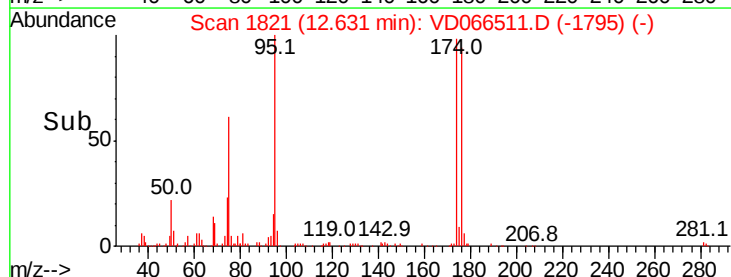
75 100

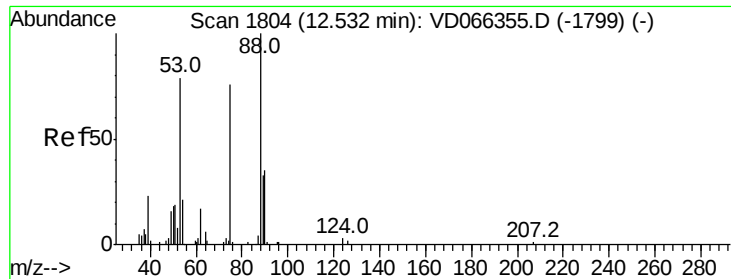
77 2.6 182.9 548.9#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 162.687 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066511.D

Acq: 01 Sep 2020 22:09

Instrument :

MSVOA_D

ClientSampleId :

208

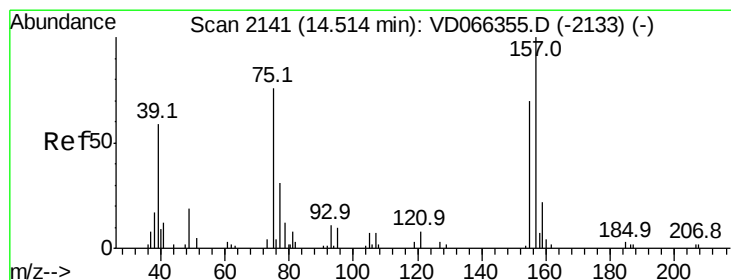
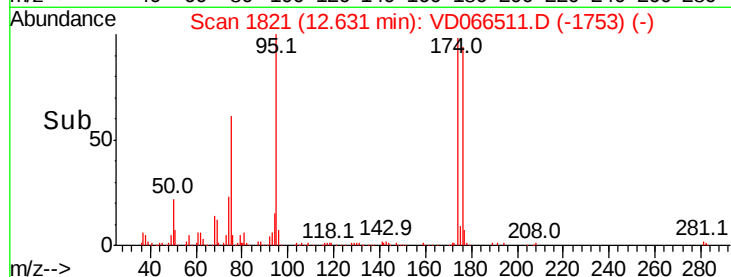
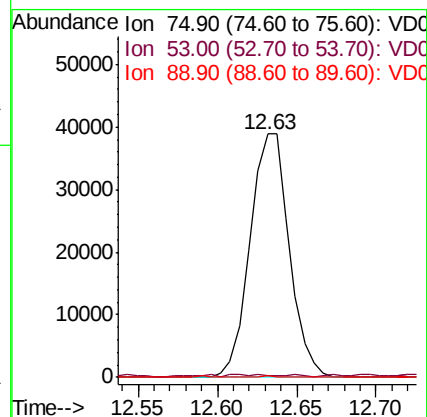
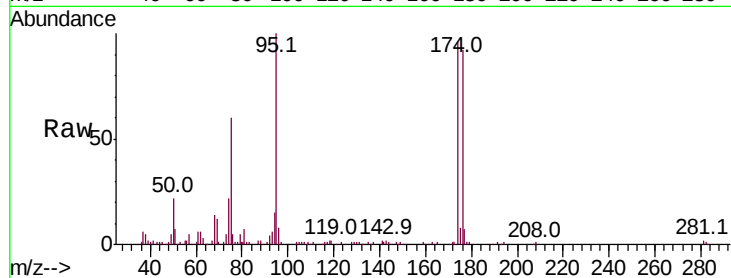
Tot Ion: 75 Resp: 66799

Ion Ratio Lower Upper

75 100

53 1.2 87.4 131.2#

89 0.1 39.4 59.0#



#92

1,2-Dibromo-3-Chloropropane

Concen: 77.472 ug/l

RT: 14.58 min Scan# 2153

Delta R.T. 0.07 min

Lab File: VD066511.D

Acq: 01 Sep 2020 22:09

Tgt Ion: 75 Resp: 19264

Ion Ratio Lower Upper

75 100

155 25.4 46.9 140.6#

157 1.6 61.0 183.0#

