

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082420\
 Data File : VD066388.D
 Acq On : 24 Aug 2020 18:30
 Operator : VA/SY
 Sample : L3786-01
 Misc : 6.09G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 688-157

Quant Time: Aug 25 02:43:22 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	225166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	349414	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	331852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	147118	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	119800	54.27	ug/l	0.00
Spiked Amount			Recovery	=	108.54%	
35) Dibromofluoromethane	7.91	113	110927	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
50) Toluene-d8	10.33	98	418659	52.37	ug/l	0.00
Spiked Amount			Recovery	=	104.74%	
62) 4-Bromofluorobenzene	12.63	95	145295	51.22	ug/l	0.00
Spiked Amount			Recovery	=	102.44%	

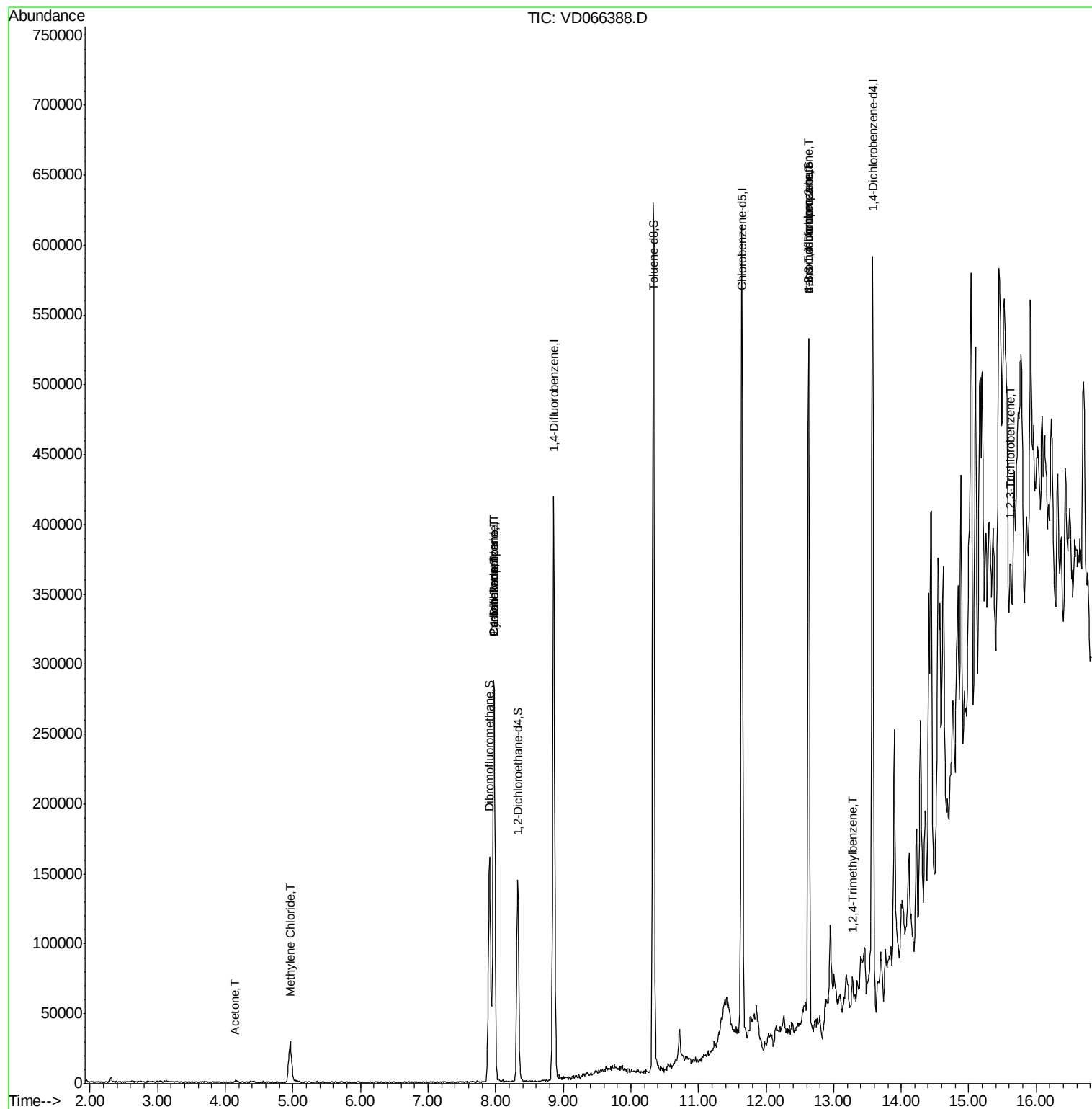
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	231	Below Cal	#	71
16) Acetone	4.16	43	2377	5.973	ug/l #	66
20) Methylene Chloride	4.96	84	21614	4.386	ug/l #	94
31) Cyclohexane	7.97	56	5051	1.648	ug/l #	58
36) 1,1-Dichloropropene	7.97	75	16090	5.047	ug/l #	53
38) Carbon Tetrachloride	7.97	117	22732	5.473	ug/l #	17
76) 1,2,3-Trichloropropane	12.63	75	80821	78.089	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	80821	165.758	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.27	105	8908	1.066	ug/l	96
96) 1,2,3-Trichlorobenzene	15.61	180	7812	2.906	ug/l #	13

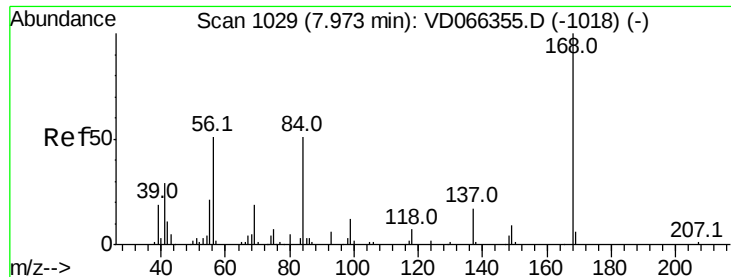
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082420\
Data File : VD066388.D
Acq On : 24 Aug 2020 18:30
Operator : VA/SY
Sample : L3786-01
Misc : 6.09G/5.00ml/MSVOA D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
688-157

Quant Time: Aug 25 02:43:22 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
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: VD066388.D

Acq: 24 Aug 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

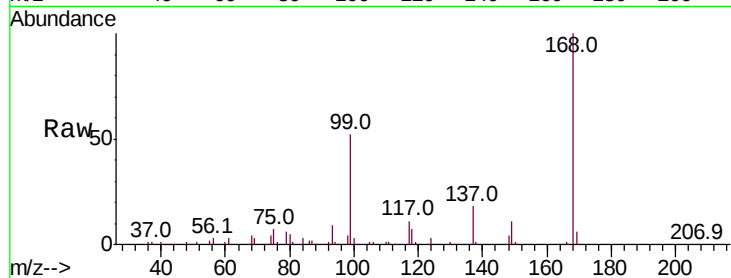
688-157

Tot Ion:168 Resp: 225166

Ion Ratio Lower Upper

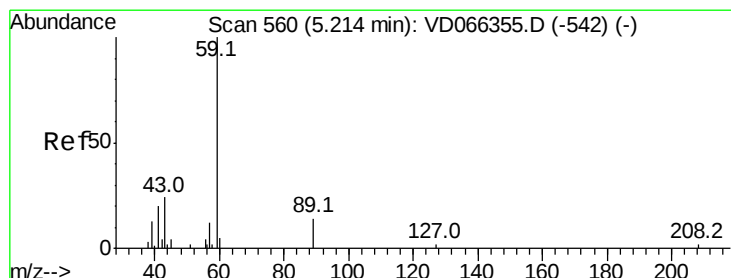
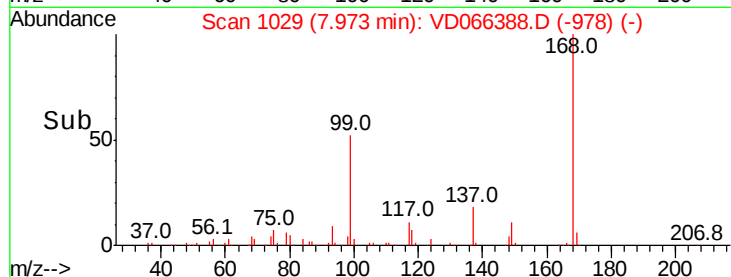
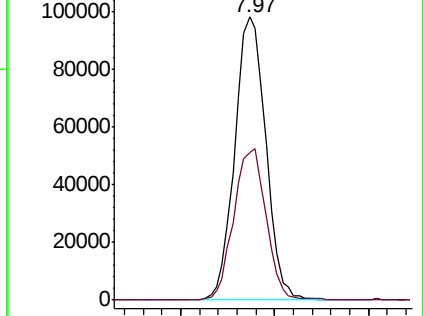
168 100

99 52.2 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: 5.20 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD066388.D

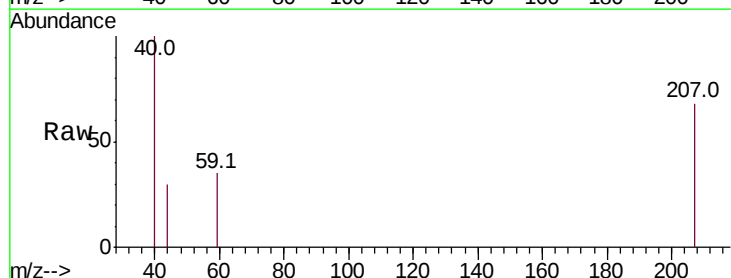
Acq: 24 Aug 2020 18:30

Tgt Ion: 59 Resp: 231

Ion Ratio Lower Upper

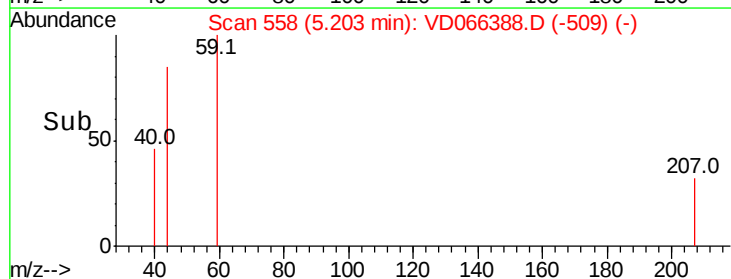
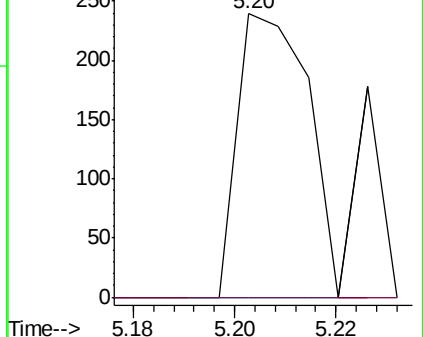
59 100

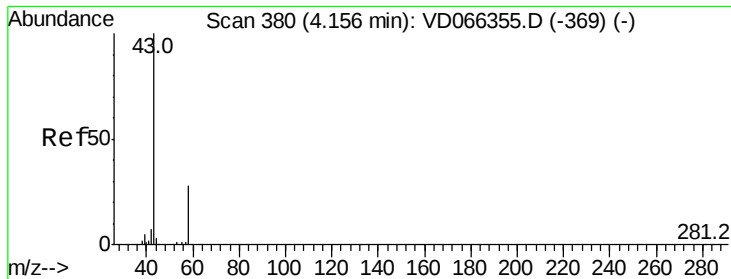
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 5.973 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD066388.D

Acq: 24 Aug 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

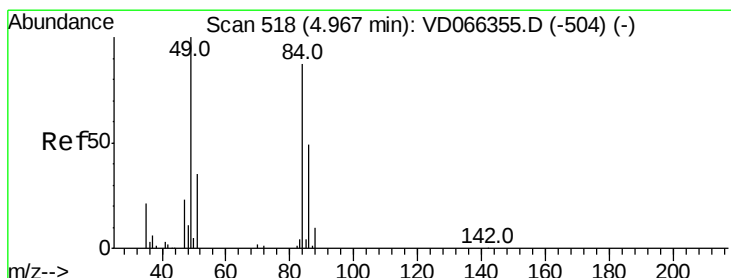
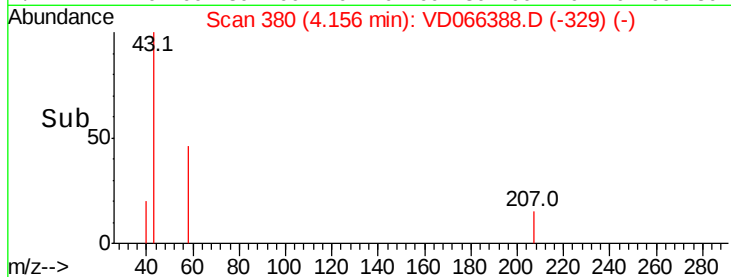
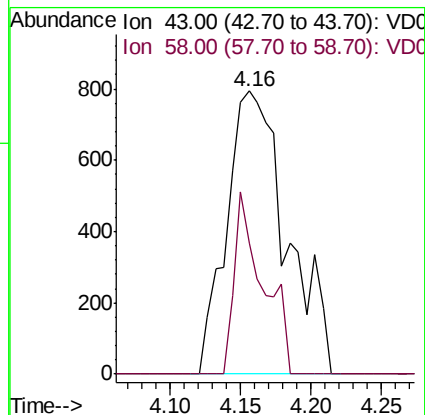
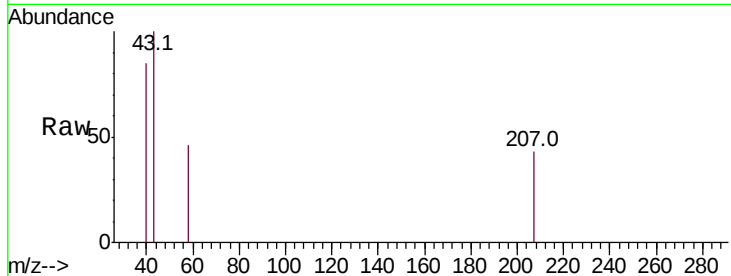
688-157

Tot Ion: 43 Resp: 2377

Ion Ratio Lower Upper

43 100

58 46.2 22.7 34.1#



#20

Methylene Chloride

Concen: 4.386 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD066388.D

Acq: 24 Aug 2020 18:30

Tgt Ion: 84 Resp: 21614

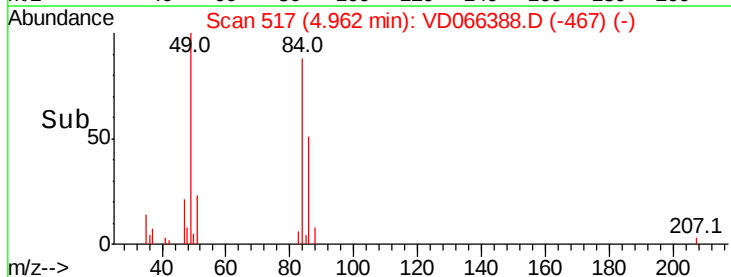
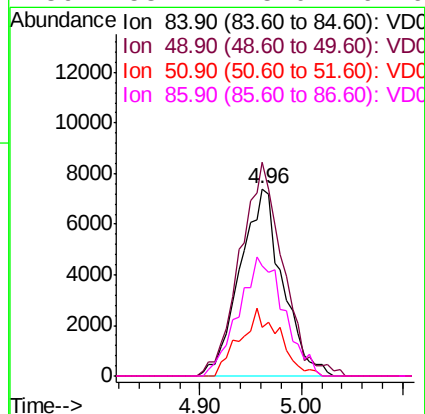
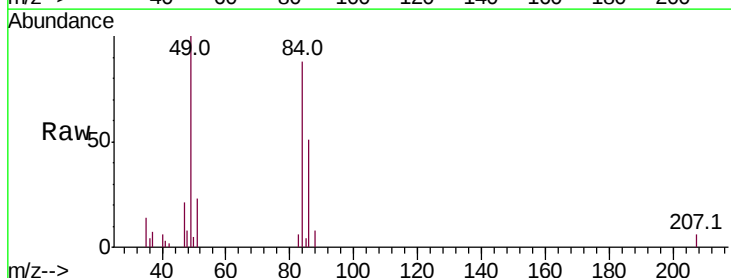
Ion Ratio Lower Upper

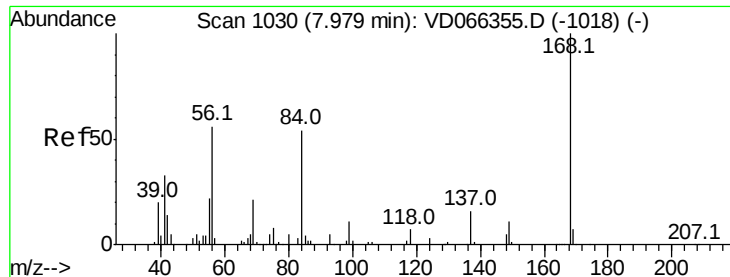
84 100

49 113.9 92.5 138.7

51 26.0 32.5 48.7#

86 58.4 45.0 67.6

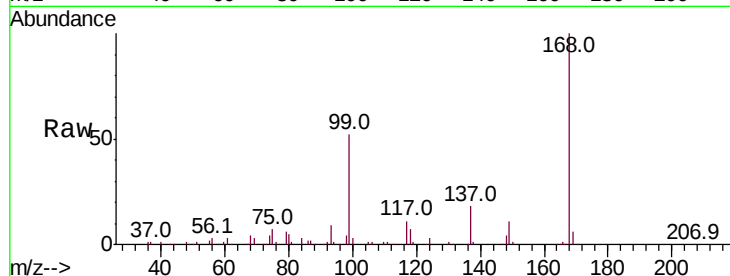




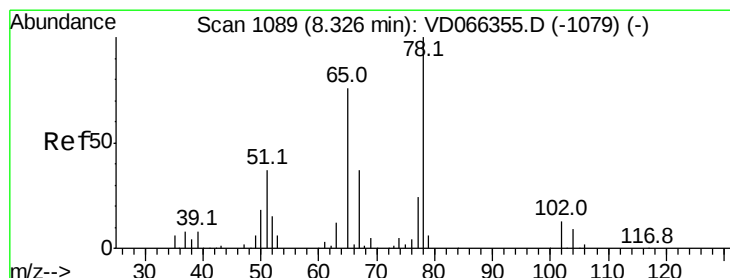
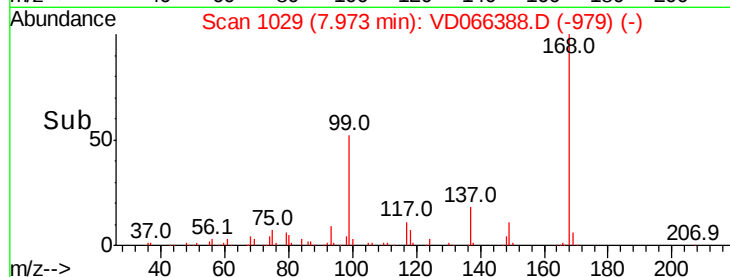
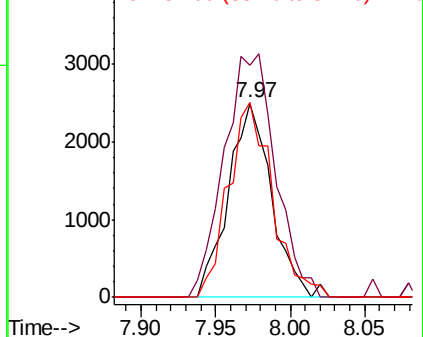
#31
Cyclohexane
Concen: 1.648 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066388.D
Acq: 24 Aug 2020 18:30

Instrument :
MSVOA_D
ClientSampleId :
688-157

Tot Ion: 56 Resp: 5051
Ion Ratio Lower Upper
56 100
69 119.2 29.6 44.4#
84 100.0 76.6 115.0

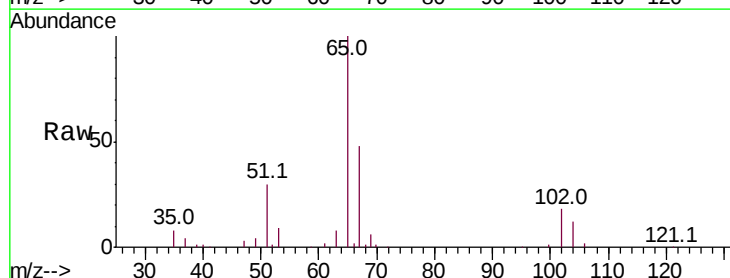


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

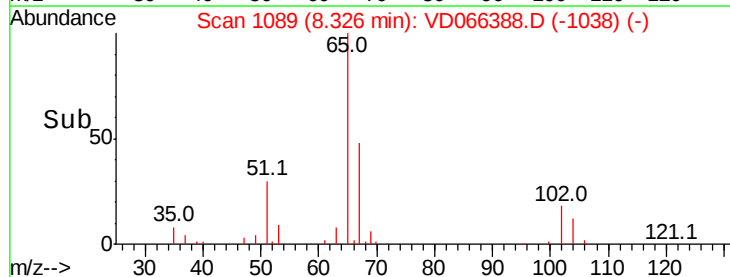
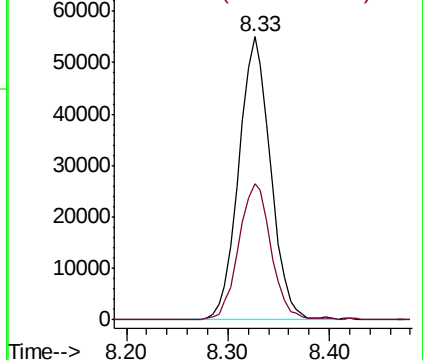


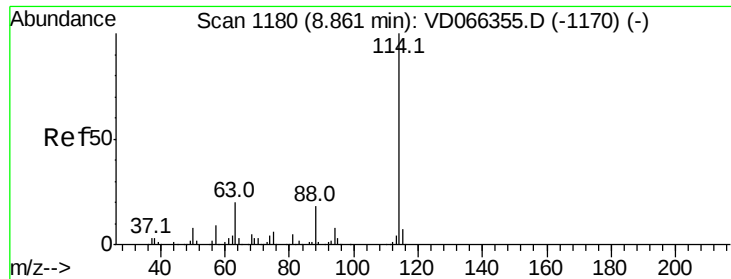
#33
1,2-Dichloroethane-d4
Concen: 54.269 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VD066388.D
Acq: 24 Aug 2020 18:30

Tgt Ion: 65 Resp: 119800
Ion Ratio Lower Upper
65 100
67 49.3 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

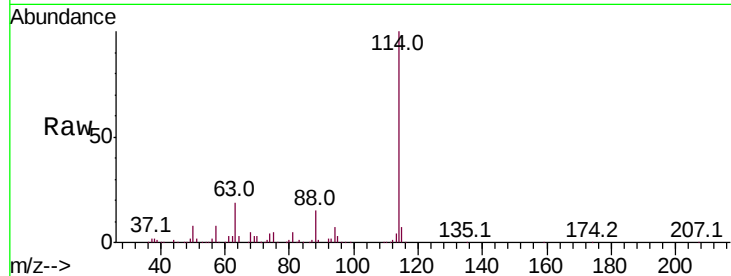




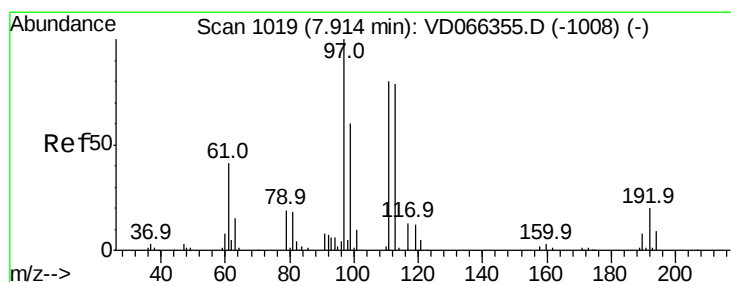
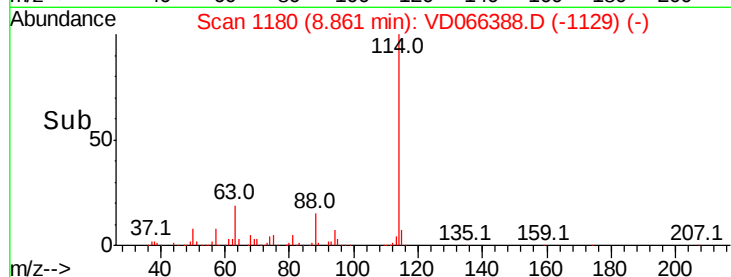
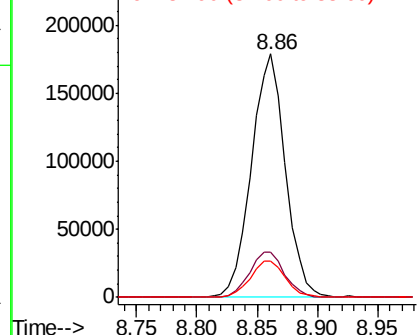
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066388.D
 Acq: 24 Aug 2020 18:30

Instrument :
 MSVOA_D
 ClientSampleId :
 688-157

Tot Ion:114 Resp: 349414
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 40.8
 88 14.7 0.0 35.4

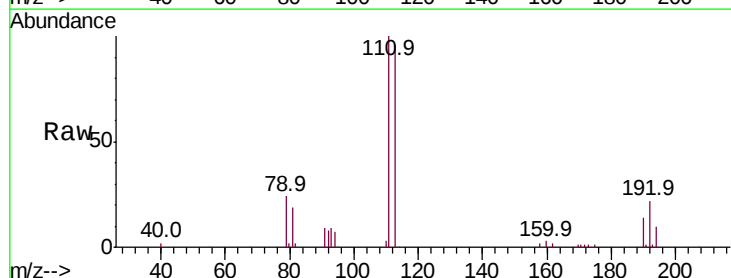


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

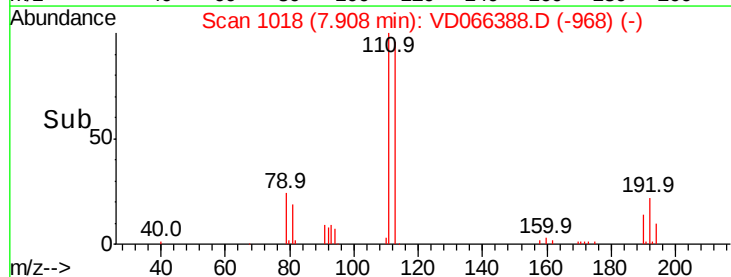
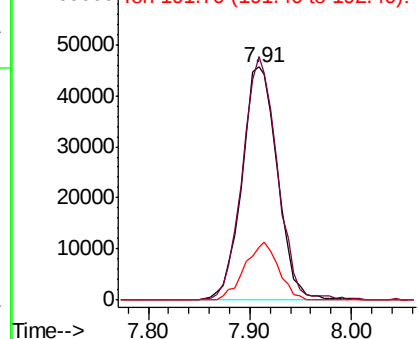


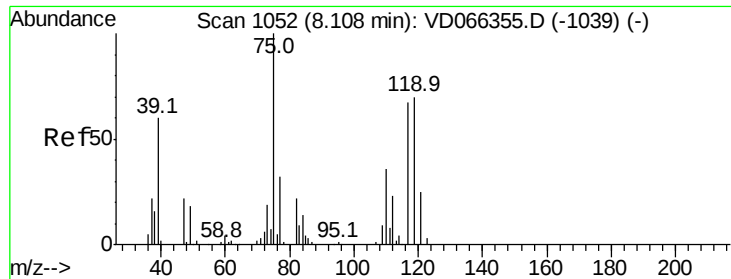
#35
 Dibromofluoromethane
 Concen: 50.769 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD066388.D
 Acq: 24 Aug 2020 18:30

Tgt Ion:113 Resp: 110927
 Ion Ratio Lower Upper
 113 100
 111 102.3 80.3 120.5
 192 23.6 19.0 28.6



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: 5.047 ug/l

RT: 7.97 min Scan# 1028

Delta R.T. -0.14 min

Lab File: VD066388.D

Acq: 24 Aug 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

688-157

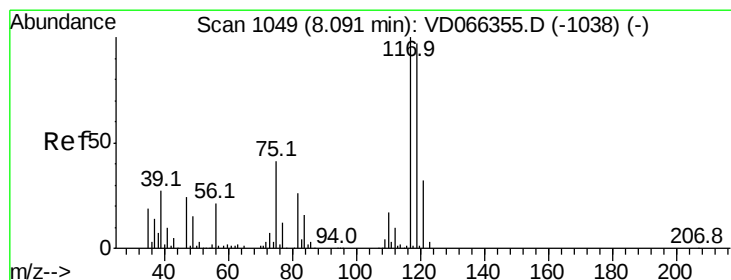
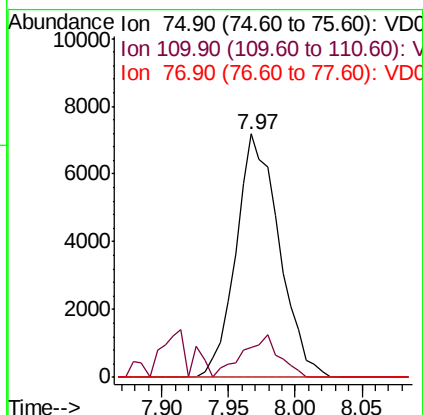
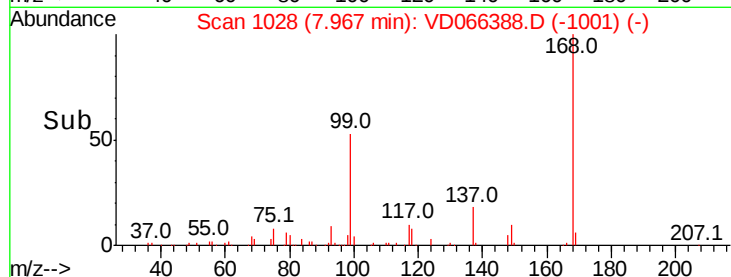
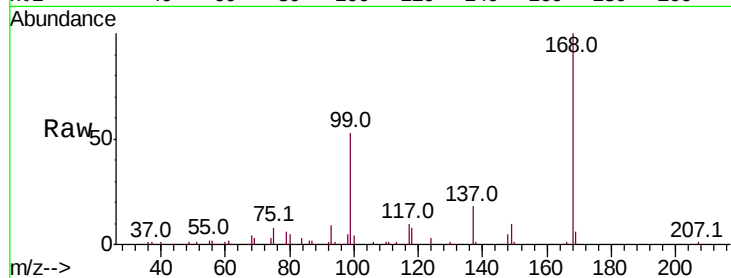
Tot Ion: 75 Resp: 16090

Ion Ratio Lower Upper

75 100

110 14.8 18.7 56.1#

77 0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 5.473 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066388.D

Acq: 24 Aug 2020 18:30

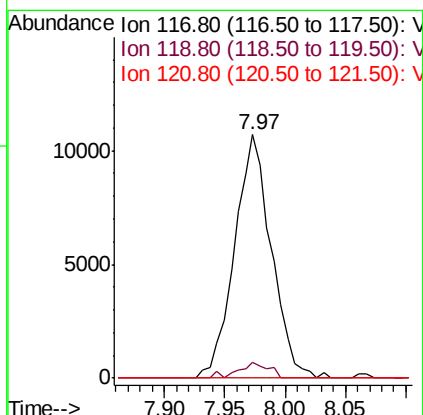
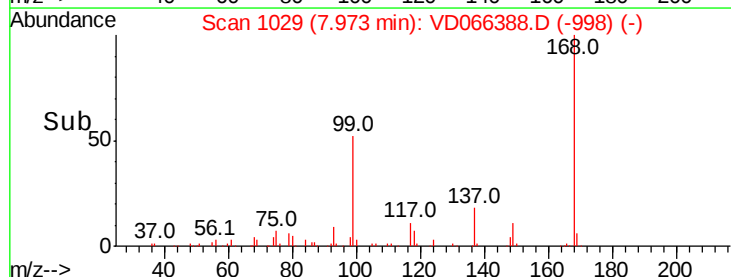
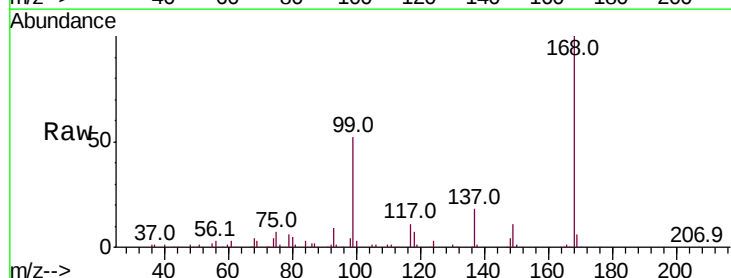
Tgt Ion: 117 Resp: 22732

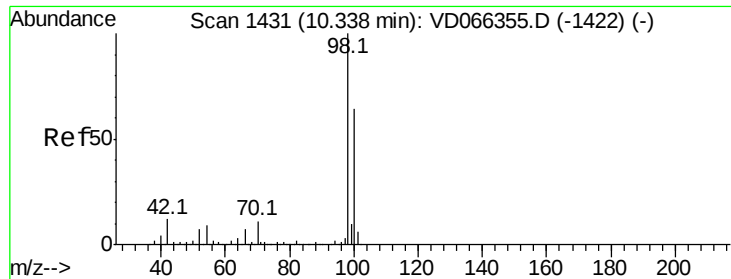
Ion Ratio Lower Upper

117 100

119 6.3 77.2 115.8#

121 0.0 25.8 38.8#

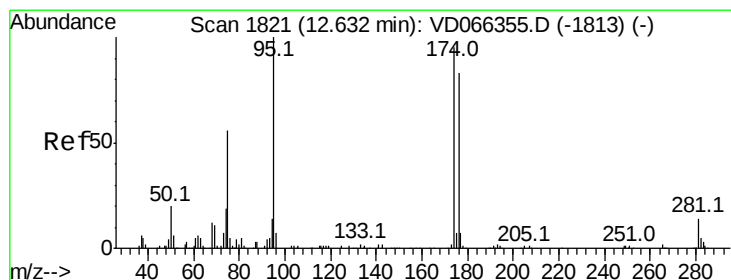
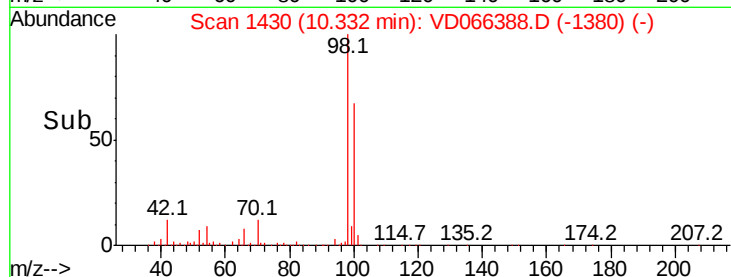
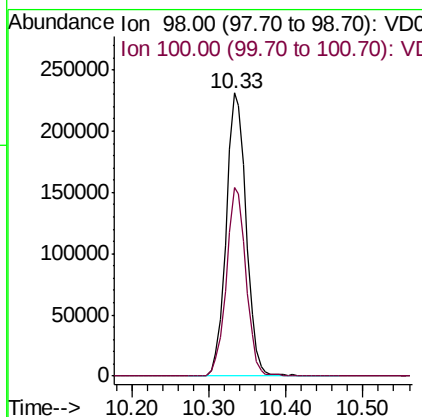
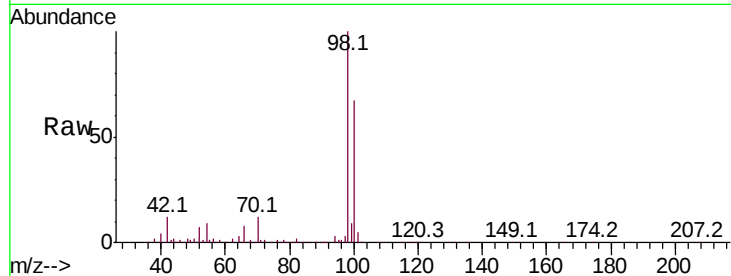




#50
Toluene-d8
Concen: 52.370 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VD066388.D
Acq: 24 Aug 2020 18:30

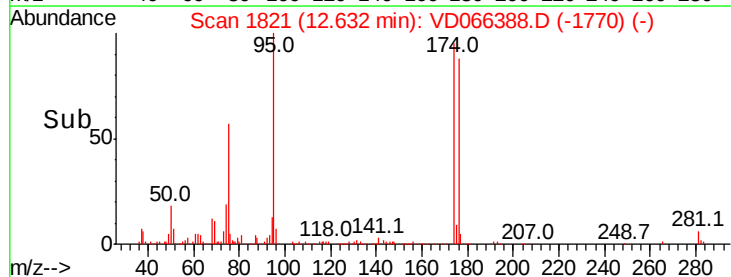
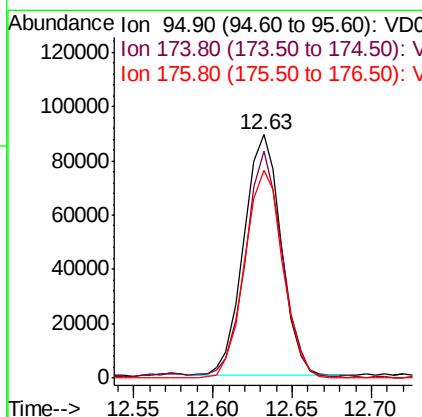
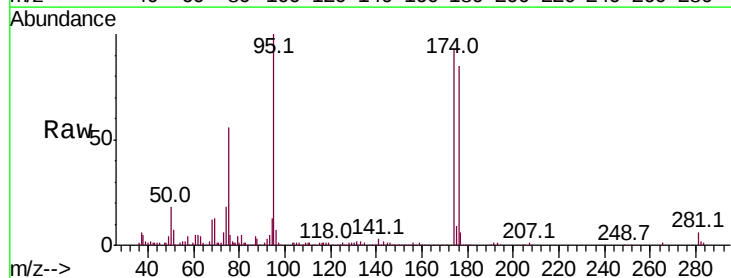
Instrument :
MSVOA_D
ClientSampled :
688-157

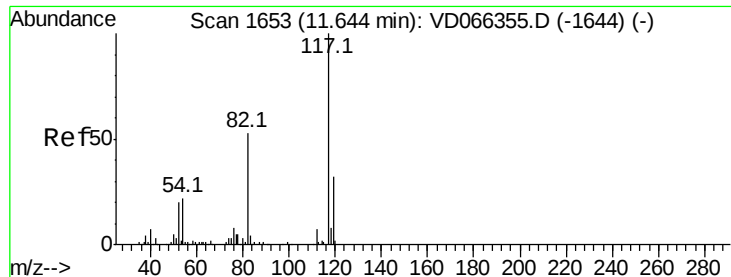
Tot Ion: 98 Resp: 418659
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 51.219 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066388.D
Acq: 24 Aug 2020 18:30

Tgt Ion: 95 Resp: 145295
Ion Ratio Lower Upper
95 100
174 92.8 0.0 183.4
176 88.2 0.0 173.8

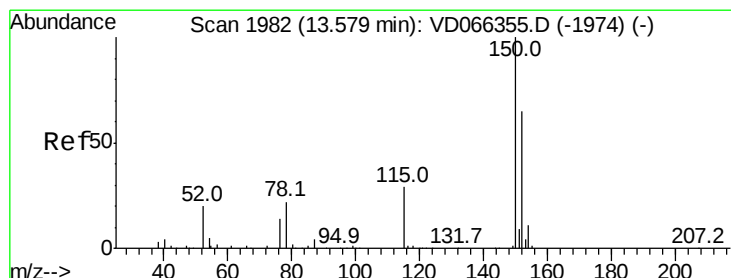
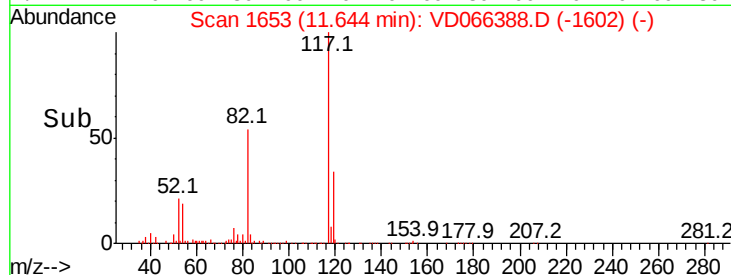
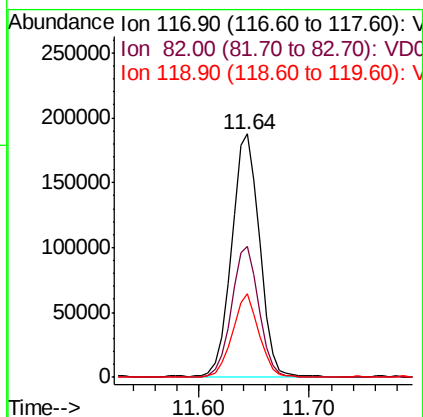
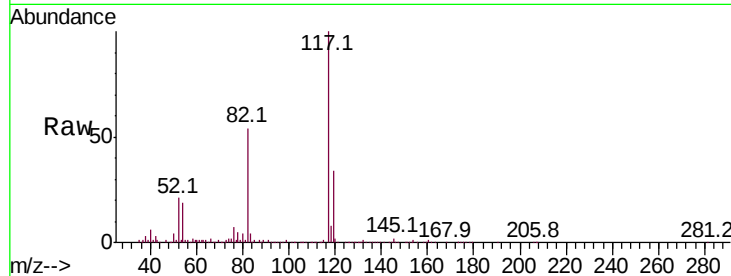




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066388.D
Acq: 24 Aug 2020 18:30

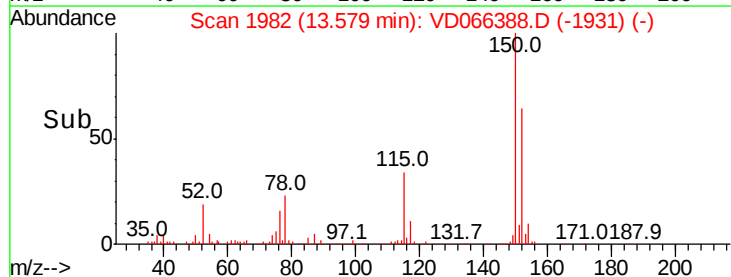
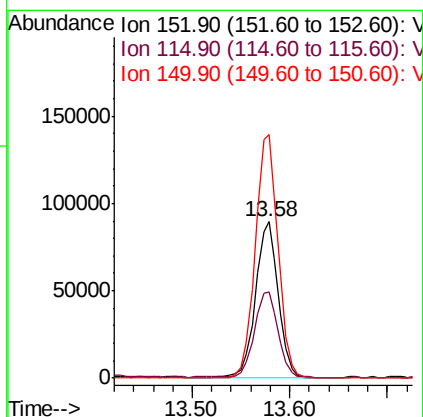
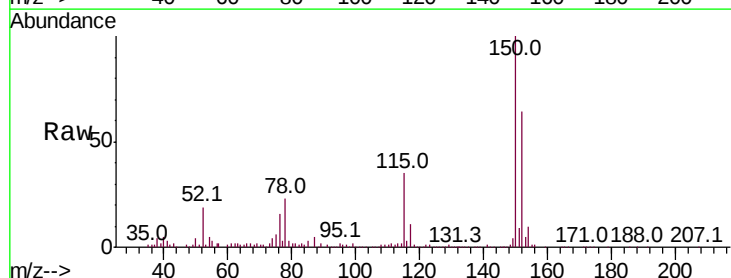
Instrument :
MSVOA_D
ClientSampleId :
688-157

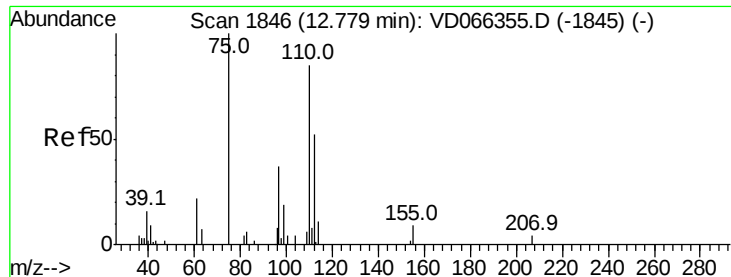
Tot Ion:117 Resp: 331852
Ion Ratio Lower Upper
117 100
82 53.9 42.8 64.2
119 34.3 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066388.D
Acq: 24 Aug 2020 18:30

Tgt Ion:152 Resp: 147118
Ion Ratio Lower Upper
152 100
115 57.3 28.3 85.0
150 155.3 0.0 343.2





#76

1,2,3-Trichloropropane

Concen: 78.089 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066388.D

Acq: 24 Aug 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

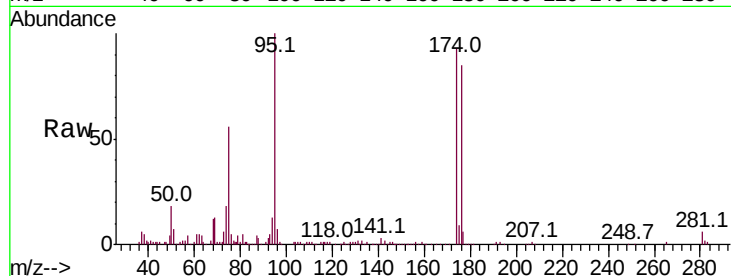
688-157

Tot Ion: 75 Resp: 80821

Ion Ratio Lower Upper

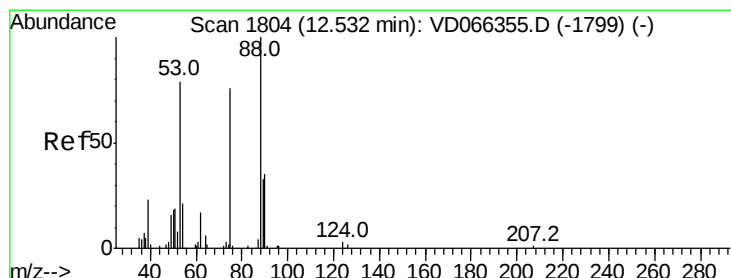
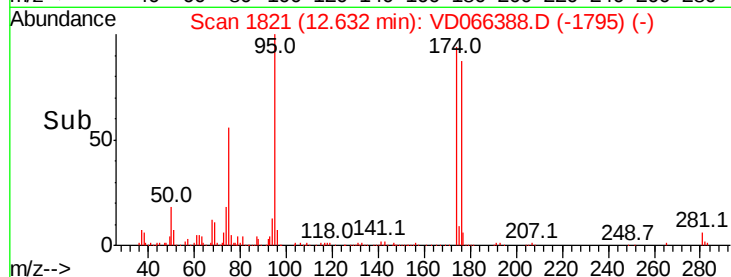
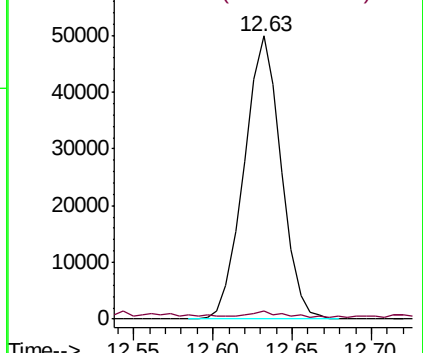
75 100

77 1.9 182.9 548.9#



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: 165.758 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066388.D

Acq: 24 Aug 2020 18:30

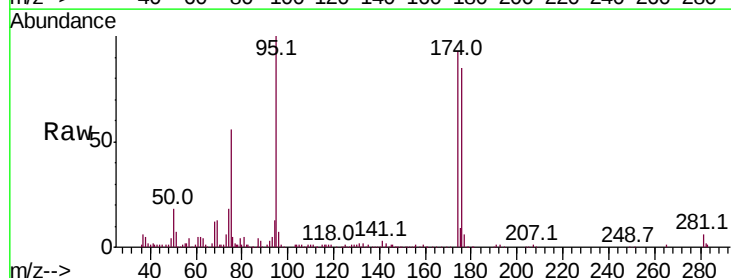
Tgt Ion: 75 Resp: 80821

Ion Ratio Lower Upper

75 100

53 0.3 87.4 131.2#

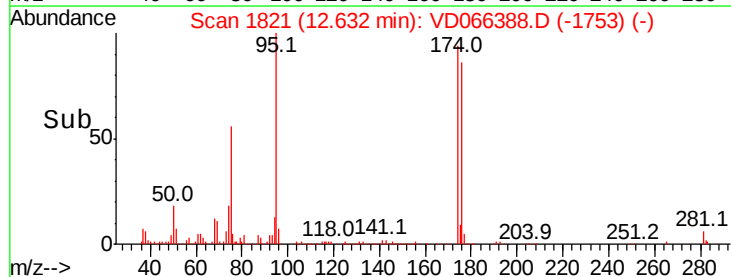
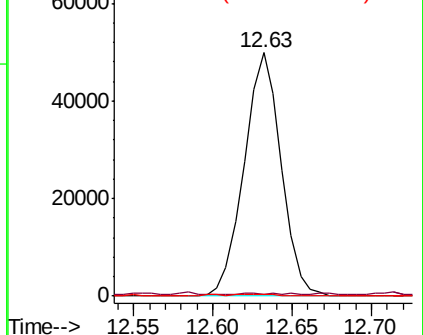
89 0.7 39.4 59.0#

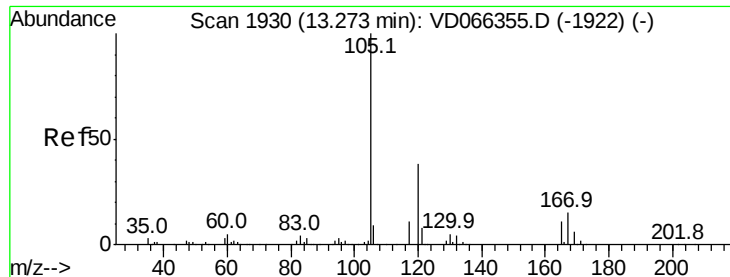


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#84

1,2,4-Trimethylbenzene

Concen: 1.066 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD066388.D

Acq: 24 Aug 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

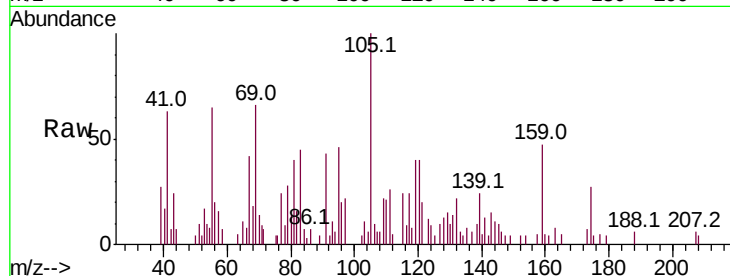
688-157

Tot Ion:105 Resp: 8908

Ion Ratio Lower Upper

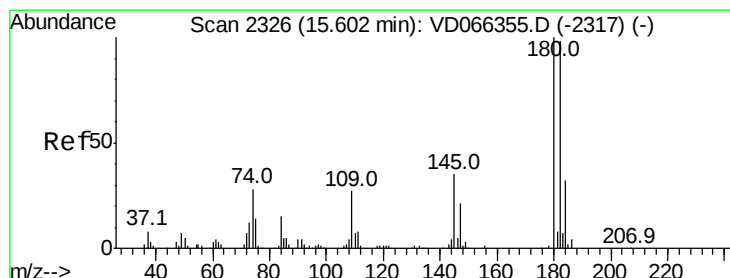
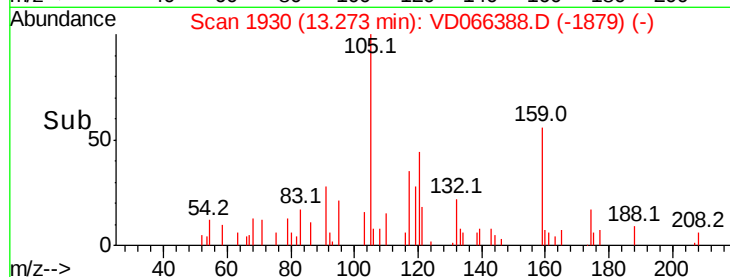
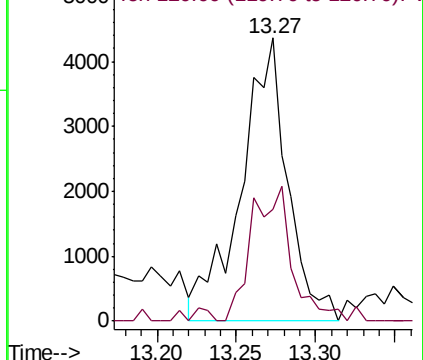
105 100

120 42.2 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.906 ug/l

RT: 15.61 min Scan# 2328

Delta R.T. 0.01 min

Lab File: VD066388.D

Acq: 24 Aug 2020 18:30

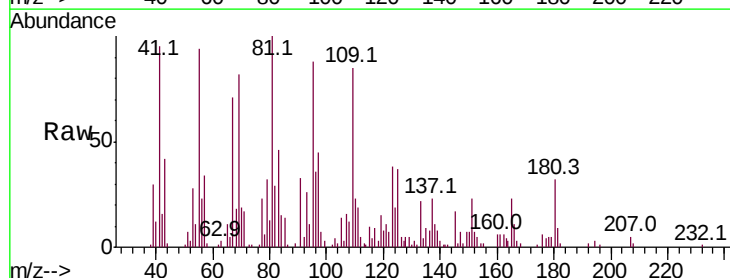
Tgt Ion:180 Resp: 7812

Ion Ratio Lower Upper

180 100

182 0.0 46.7 140.0#

145 0.0 16.0 48.0#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

