

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120720\
 Data File : VD067900.D
 Acq On : 07 Dec 2020 15:31
 Operator : VA/SY
 Sample : L4971-14
 Misc : 7.58G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 5S2-B-BOTTOM

Quant Time: Dec 08 03:14:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	234446	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	327685	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	295455	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	121235	50.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		8.34	65	114924	45.66	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.32%	
35) Dibromofluoromethane		7.92	113	93253	42.53	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.06%	
50) Toluene-d8		10.34	98	377207	47.79	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.58%	
62) 4-Bromofluorobenzene		12.64	95	122961	45.06	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	90.12%	

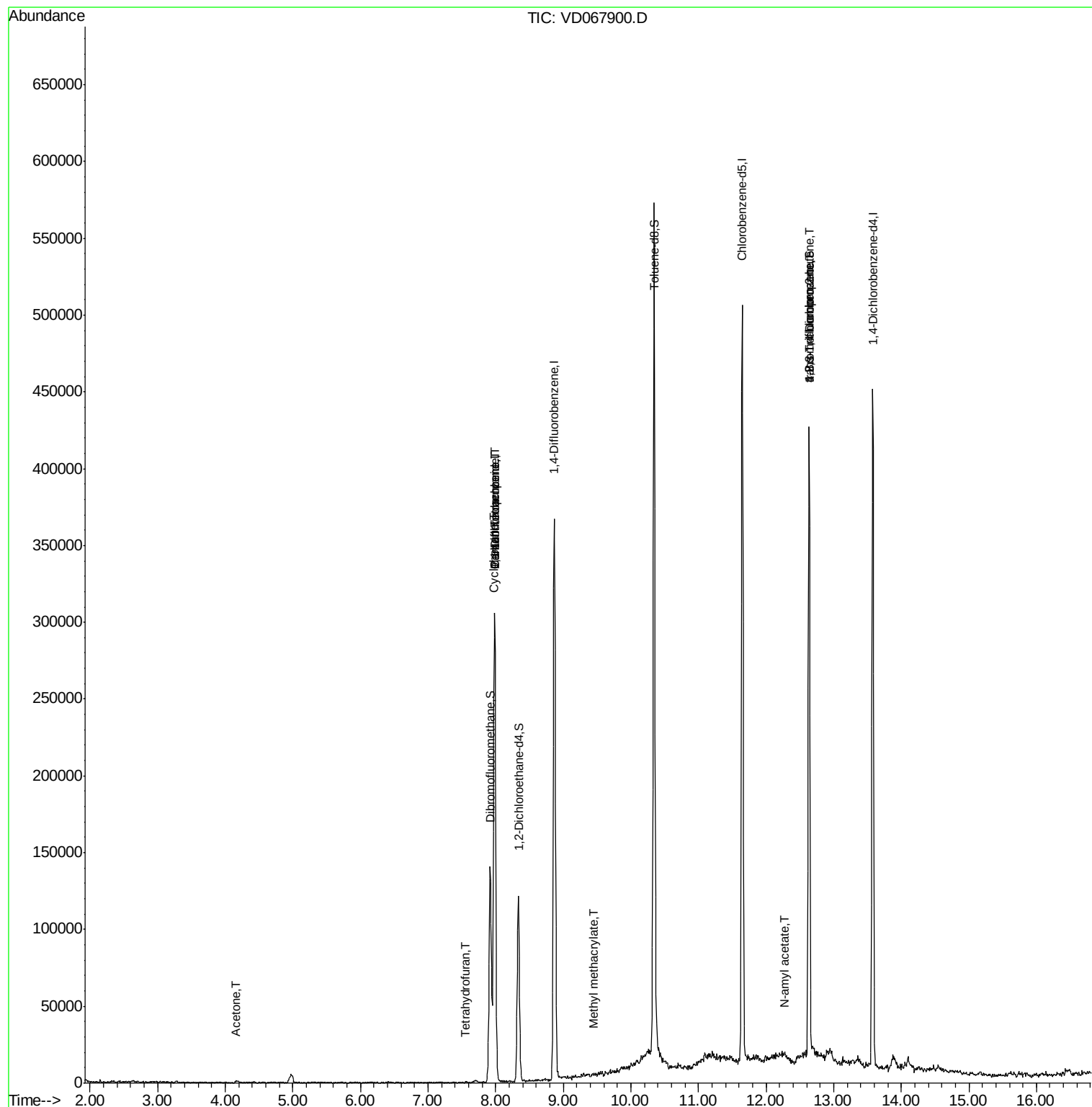
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.17	43	2583	8.305	ug/l #	81
20) Methylene Chloride	4.97	84	5017	Below Cal		97
29) Tetrahydrofuran	7.56	42	197	1.058	ug/l #	19
31) Cyclohexane	7.97	56	5099	1.923	ug/l #	21
36) 1,1-Dichloropropene	7.98	75	15423	5.437	ug/l #	48
38) Carbon Tetrachloride	7.98	117	24587	5.728	ug/l #	15
41) Methacrylonitrile	7.57	41	399	Below Cal	#	33
48) Methyl methacrylate	9.46	41	1074	1.406	ug/l #	6
74) N-amyl acetate	12.28	43	1378	1.336	ug/l #	43
76) 1,2,3-Trichloropropane	12.64	75	69277	78.468	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	69277	187.702	ug/l #	7

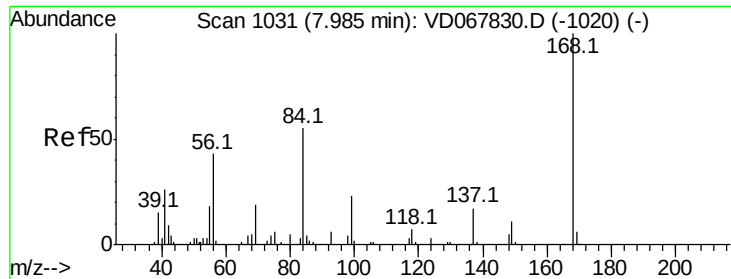
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Dec 02 08:05:58 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067900.D

Acq: 07 Dec 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

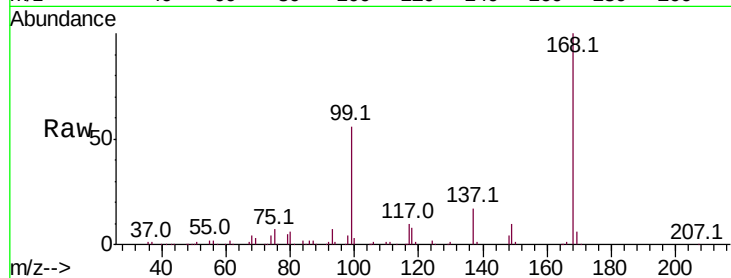
5S2-B-BOTTOM

Tot Ion:168 Resp: 234446

Ion Ratio Lower Upper

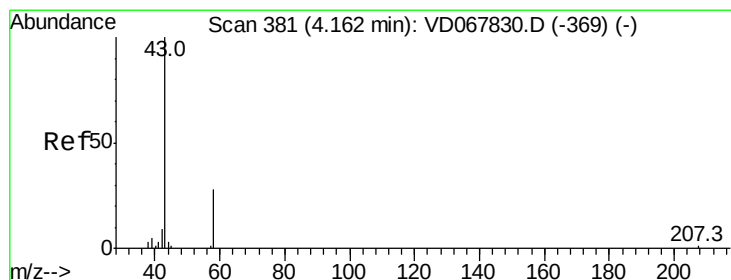
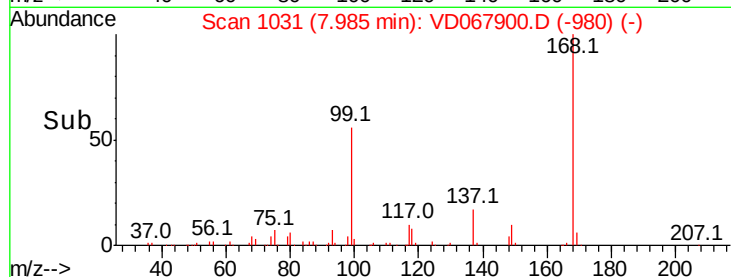
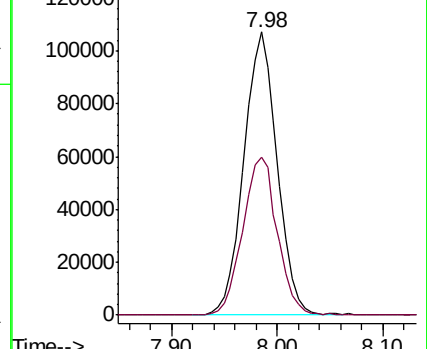
168 100

99 55.9 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 8.305 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD067900.D

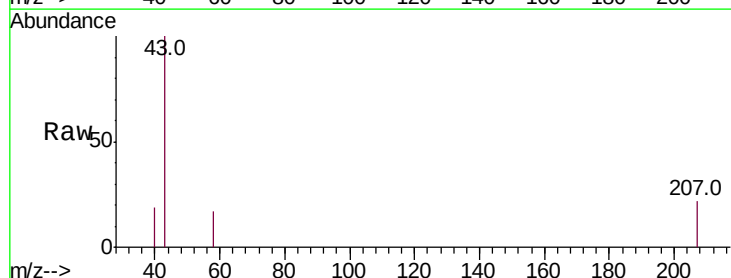
Acq: 07 Dec 2020 15:31

Tgt Ion: 43 Resp: 2583

Ion Ratio Lower Upper

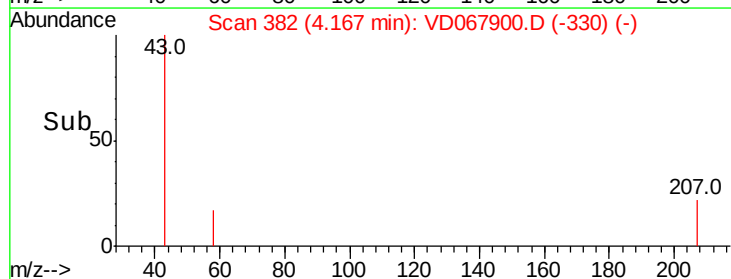
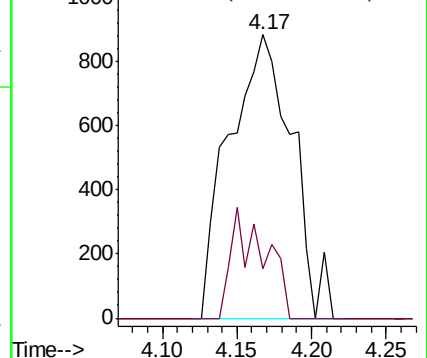
43 100

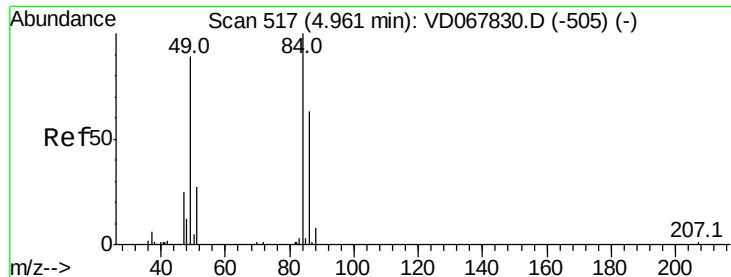
58 17.5 21.9 32.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

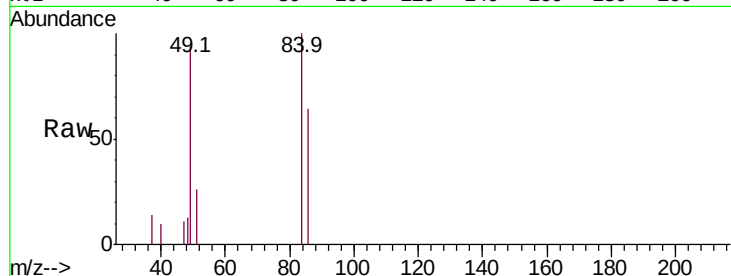




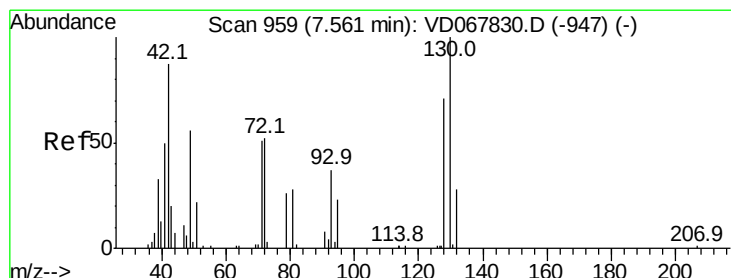
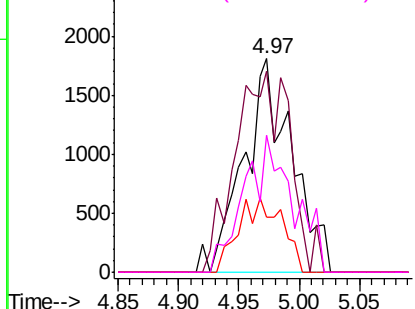
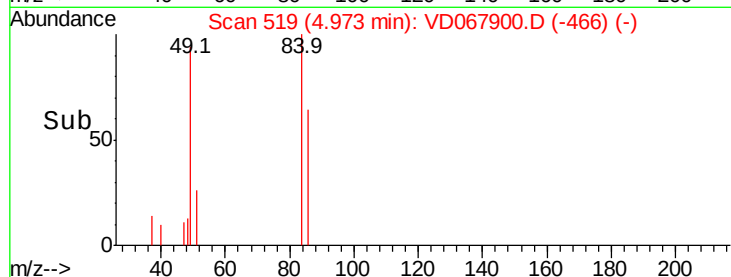
#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067900.D
Acq: 07 Dec 2020 15:31

Instrument :
MSVOA_D
ClientSampleId :
5S2-B-BOTTOM

Tot Ion:	84	Resp:	5017
Ion	Ratio	Lower	Upper
84	100		
49	94.4	71.4	107.0
51	25.8	21.8	32.8
86	63.9	50.6	75.8

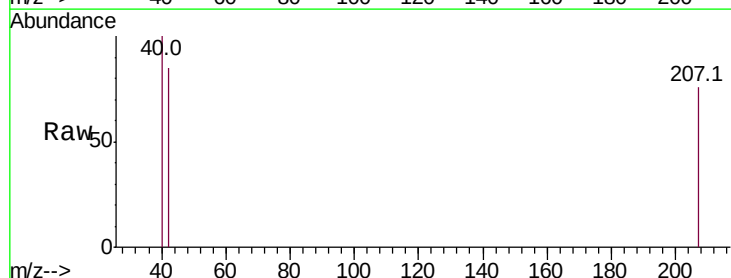


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

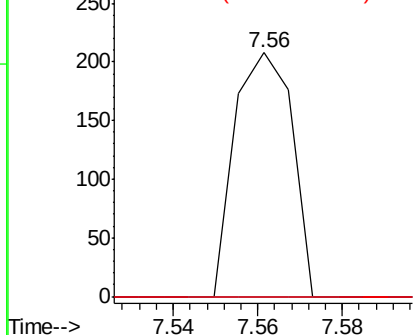
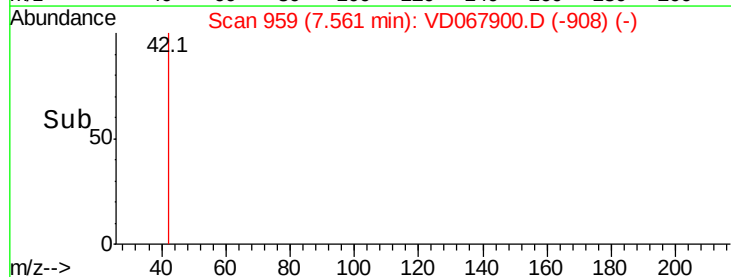


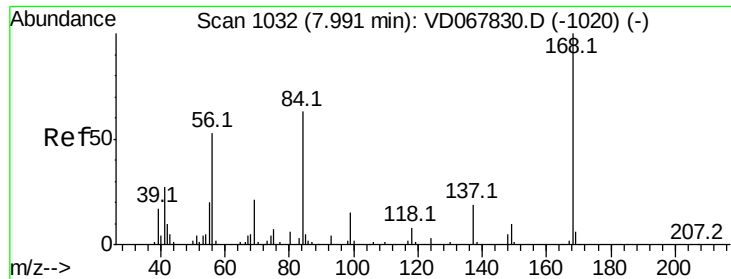
#29
Tetrahydrofuran
Concen: 1.058 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD067900.D
Acq: 07 Dec 2020 15:31

Tgt Ion:	42	Resp:	197
Ion	Ratio	Lower	Upper
42	100		
72	0.0	51.9	77.9#
71	0.0	48.2	72.4#



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

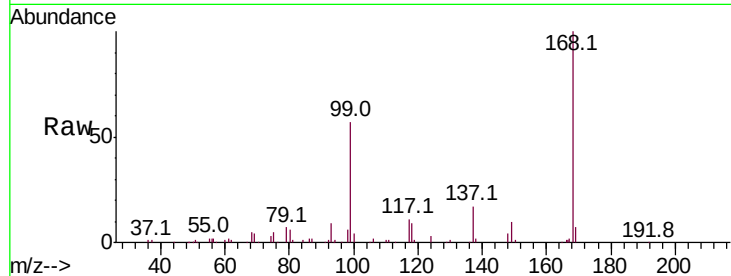




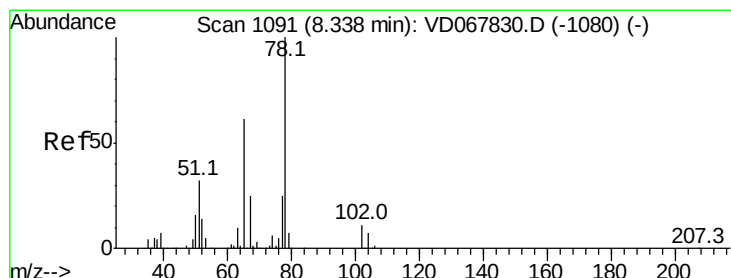
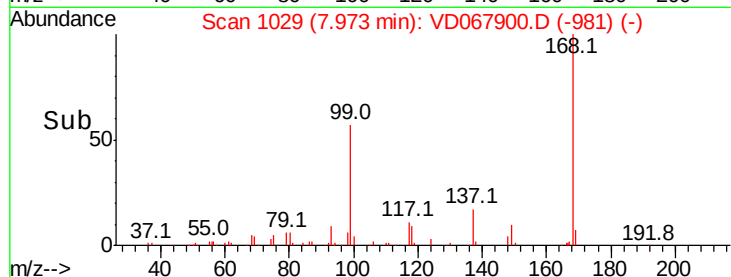
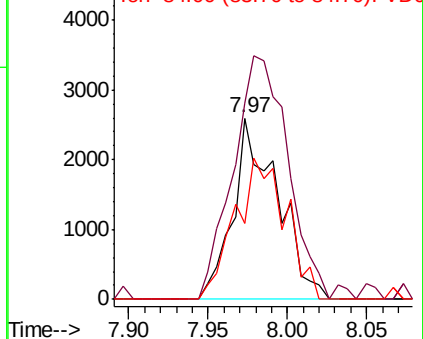
#31
Cyclohexane
Concen: 1.923 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.02 min
Lab File: VD067900.D
Acq: 07 Dec 2020 15:31

Instrument :
MSVOA_D
ClientSampleId :
5S2-B-BOTTOM

Tot Ion: 56 Resp: 5099
Ion Ratio Lower Upper
56 100
69 108.0 32.1 48.1#
84 42.0 93.2 139.8#

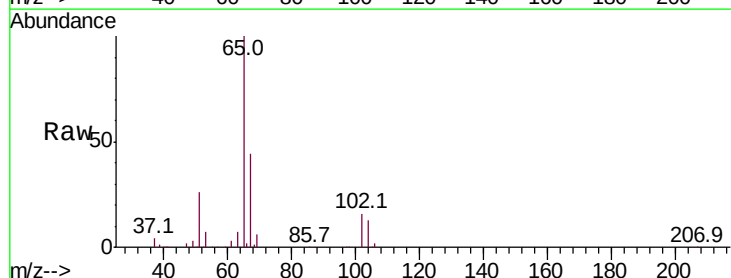


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

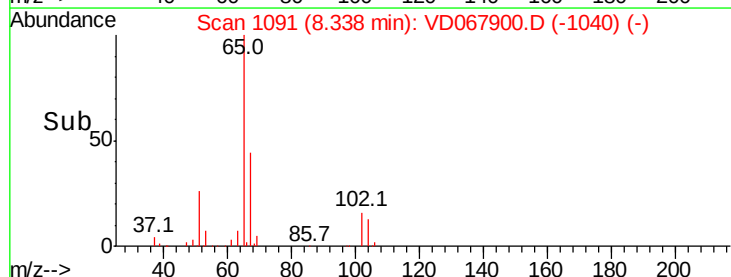
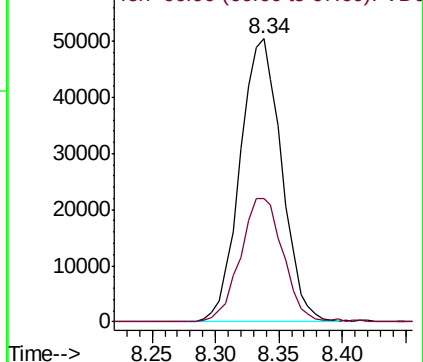


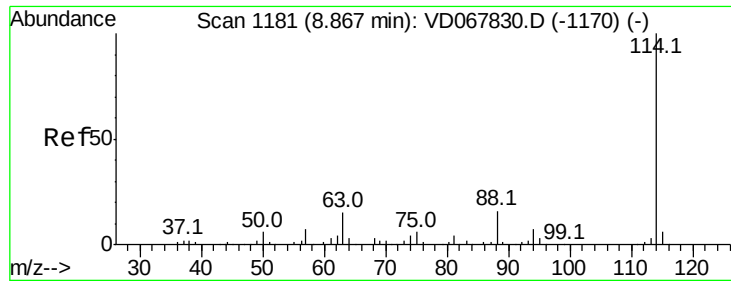
#33
1,2-Dichloroethane-d4
Concen: 45.661 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD067900.D
Acq: 07 Dec 2020 15:31

Tgt Ion: 65 Resp: 114924
Ion Ratio Lower Upper
65 100
67 44.9 0.0 92.0



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

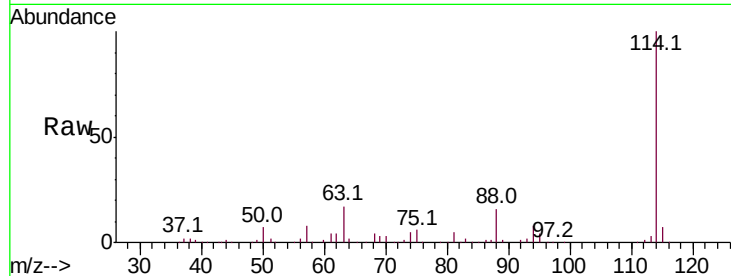




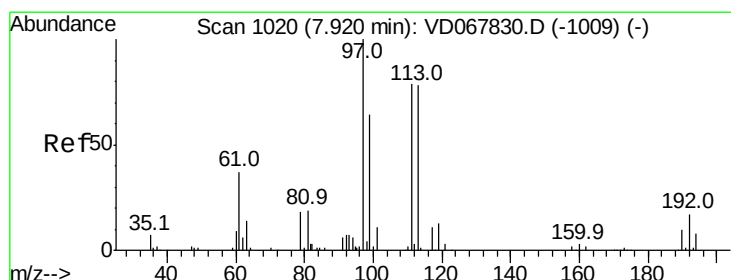
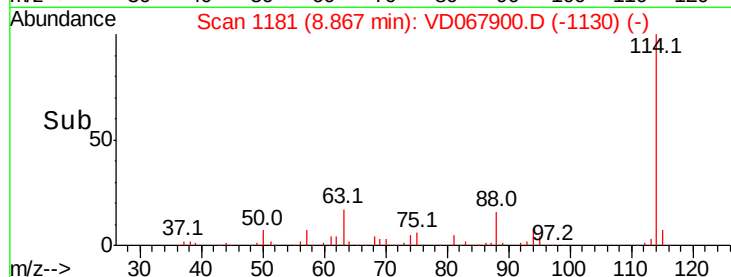
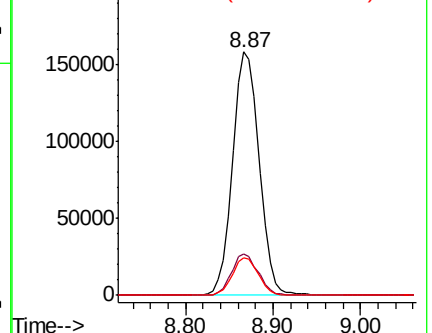
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067900.D
 Acq: 07 Dec 2020 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 5S2-B-BOTTOM

Tot Ion:114 Resp: 327685
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 30.8
 88 15.7 0.0 31.8

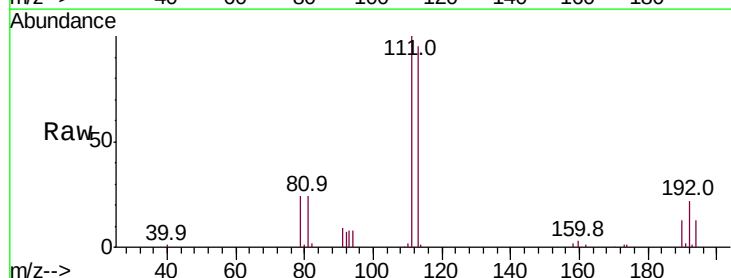


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

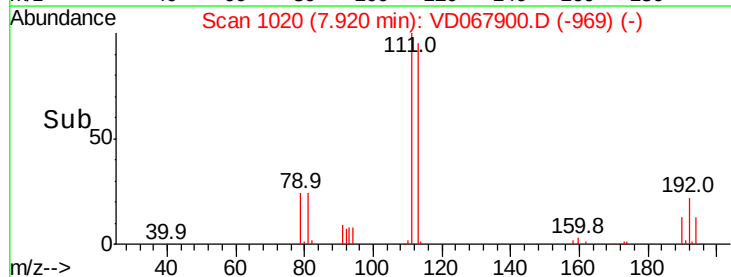
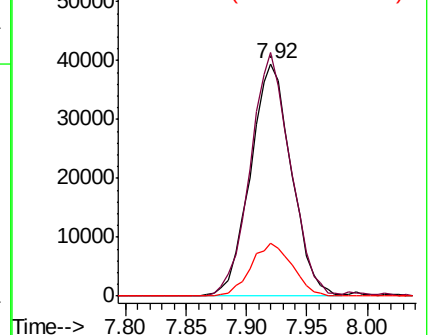


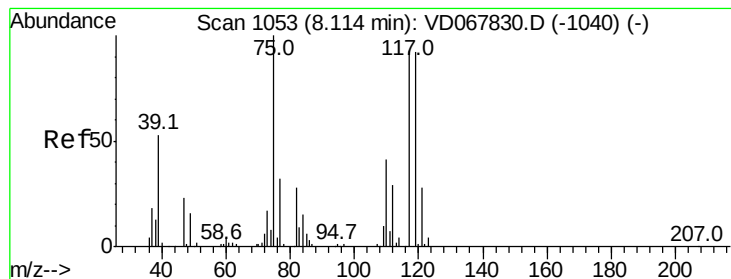
#35
 Dibromofluoromethane
 Concen: 42.529 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD067900.D
 Acq: 07 Dec 2020 15:31

Tgt Ion:113 Resp: 93253
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.2 121.8
 192 22.9 16.8 25.2



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: 5.437 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD067900.D

Acq: 07 Dec 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

5S2-B-BOTTOM

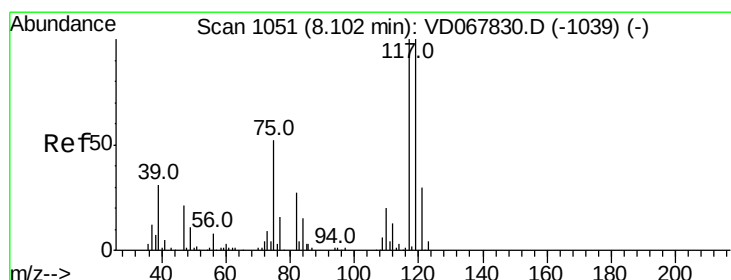
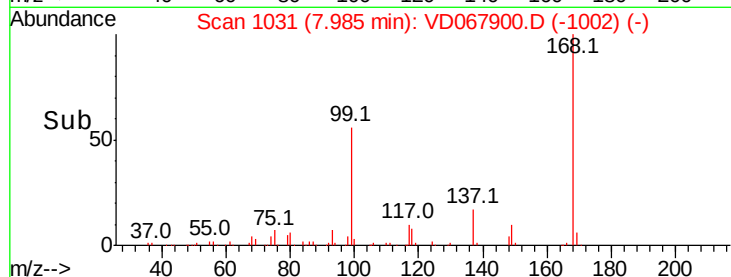
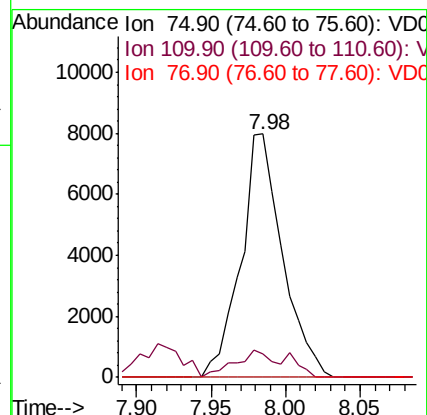
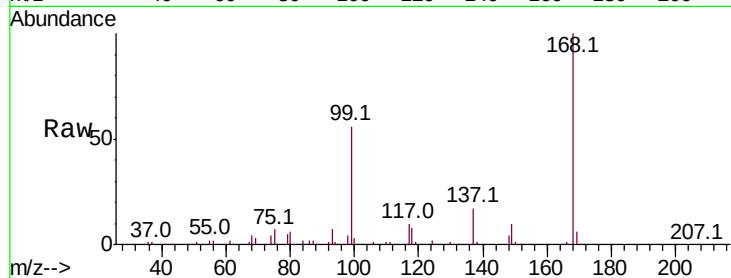
Tot Ion: 75 Resp: 15423

Ion Ratio Lower Upper

75 100

110 10.5 20.3 61.0#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.728 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067900.D

Acq: 07 Dec 2020 15:31

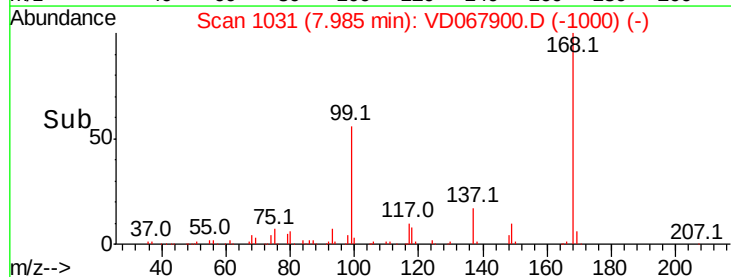
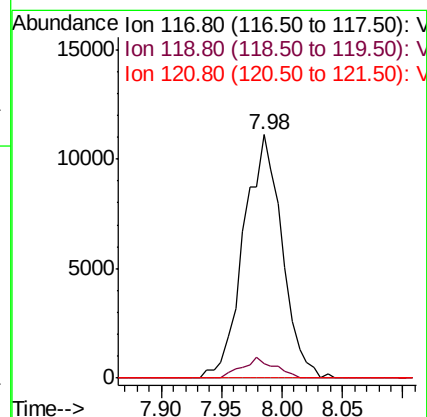
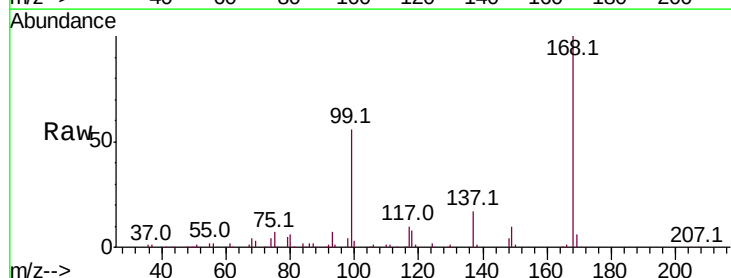
Tgt Ion: 117 Resp: 24587

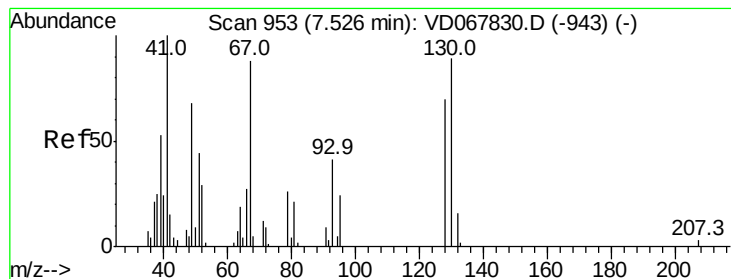
Ion Ratio Lower Upper

117 100

119 6.1 79.7 119.5#

121 0.0 23.8 35.6#





#41

Methacrylonitrile

Concen: Below Cal

RT: 7.57 min Scan# 961

Delta R.T. 0.05 min

Lab File: VD067900.D

Acq: 07 Dec 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

5S2-B-BOTTOM

Tot Ion: 41 Resp: 399

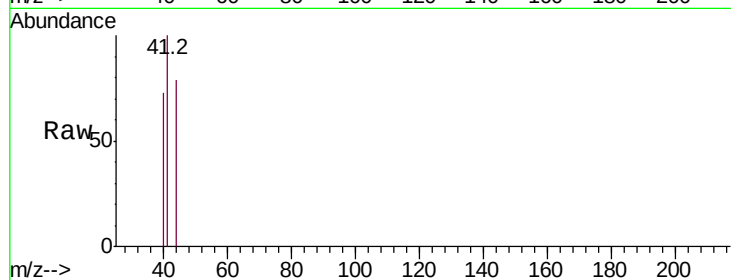
Ion Ratio Lower Upper

41 100

39 53.4 42.1 63.1

67 0.0 82.4 123.6#

52 0.0 30.6 45.8#

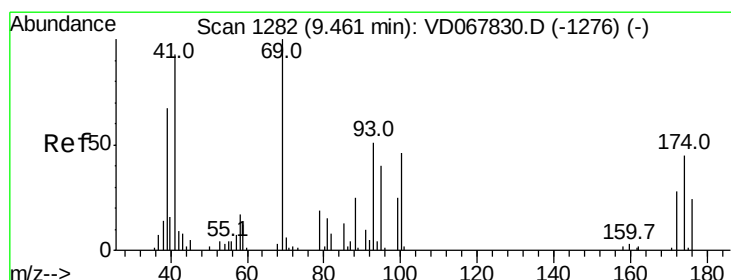
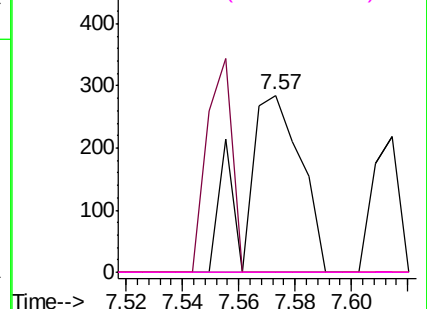
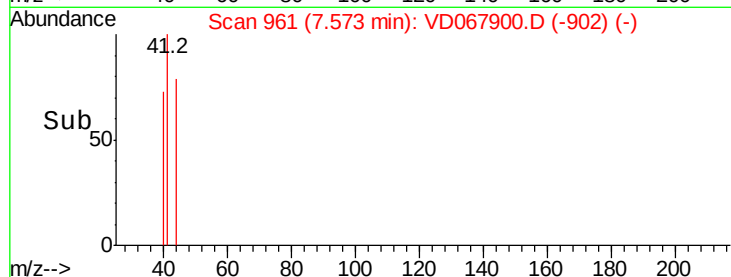


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#48

Methyl methacrylate

Concen: 1.406 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD067900.D

Acq: 07 Dec 2020 15:31

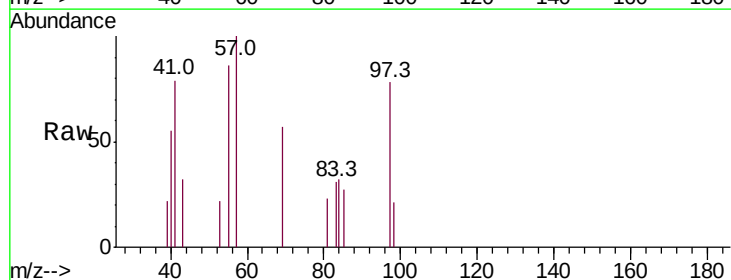
Tgt Ion: 41 Resp: 1074

Ion Ratio Lower Upper

41 100

69 6.9 87.6 131.4#

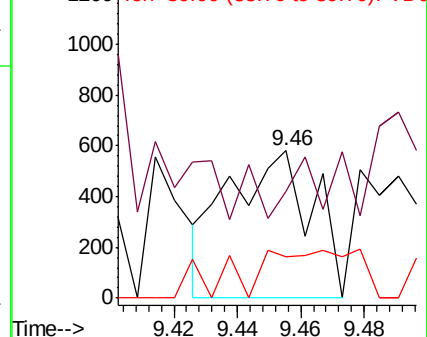
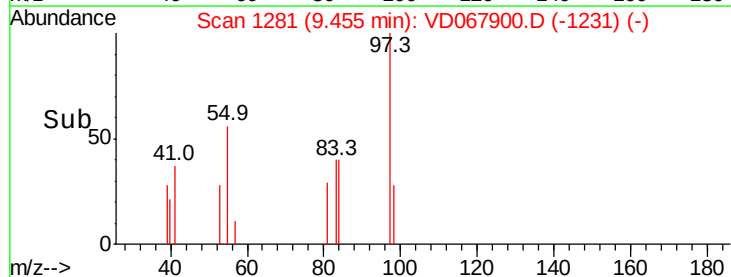
39 0.0 61.2 91.8#

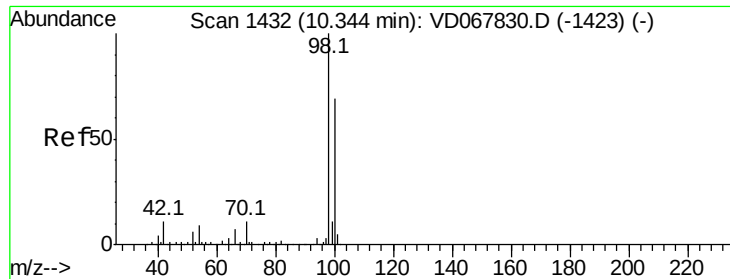


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

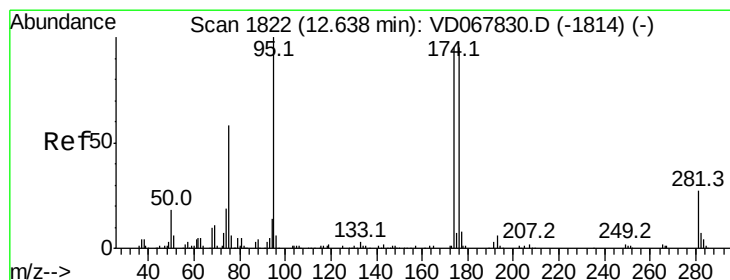
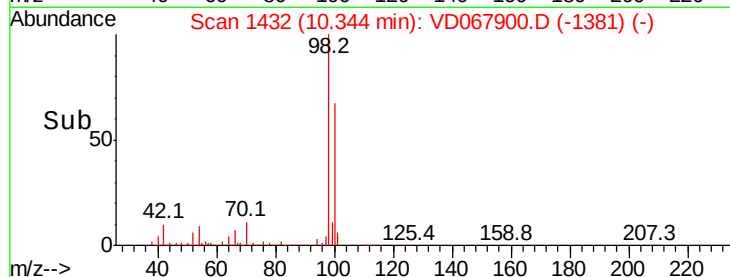
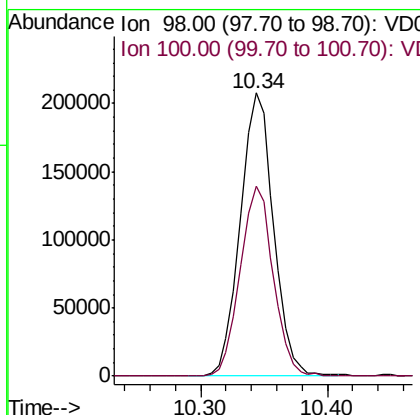
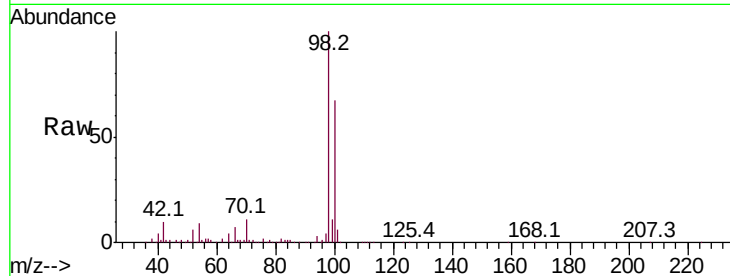




#50
Toluene-d8
Concen: 47.788 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067900.D
Acq: 07 Dec 2020 15:31

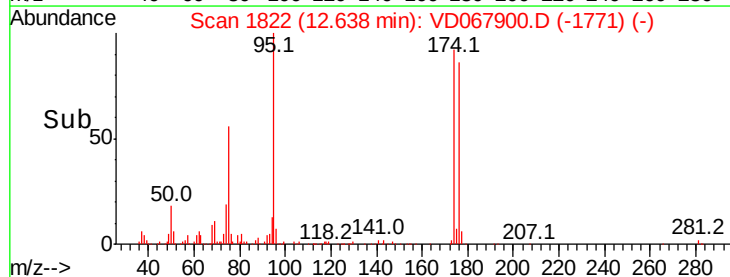
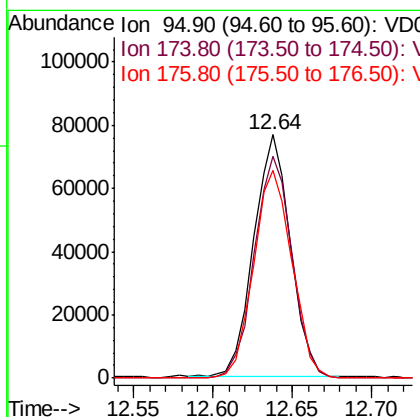
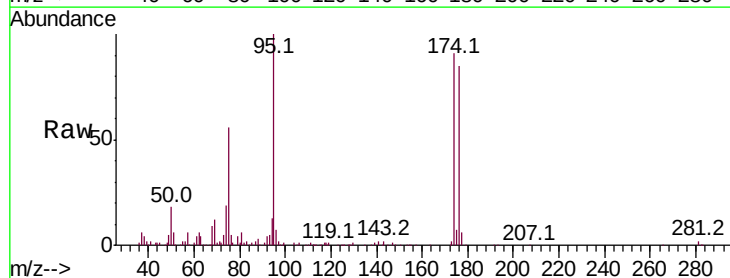
Instrument :
MSVOA_D
ClientSampleId :
5S2-B-BOTTOM

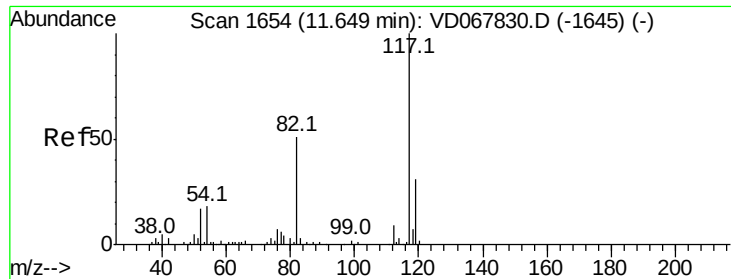
Tot Ion: 98 Resp: 377207
Ion Ratio Lower Upper
98 100
100 67.1 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 45.058 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067900.D
Acq: 07 Dec 2020 15:31

Tgt Ion: 95 Resp: 122961
Ion Ratio Lower Upper
95 100
174 94.5 0.0 186.0
176 89.7 0.0 184.2

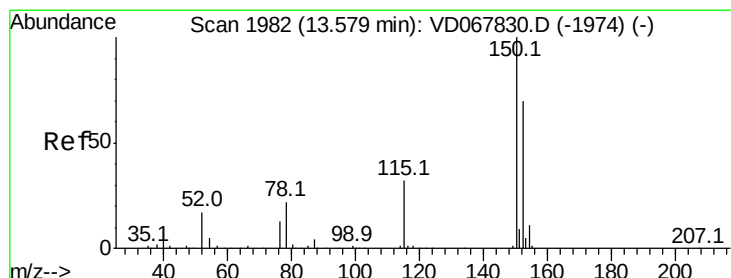
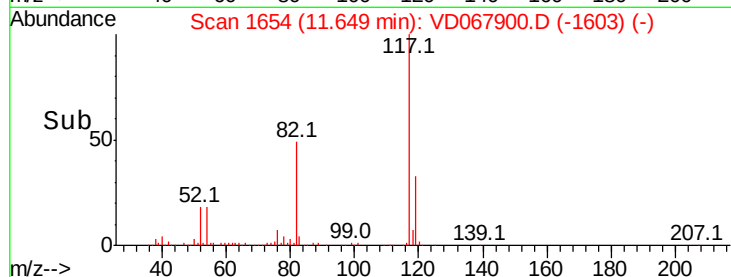
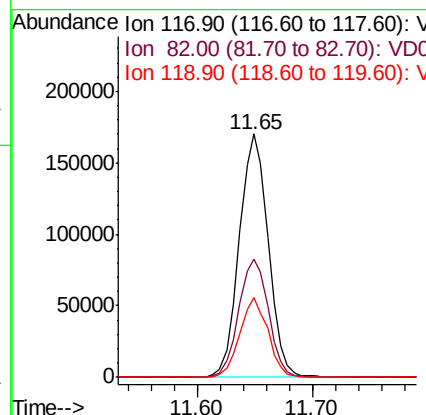
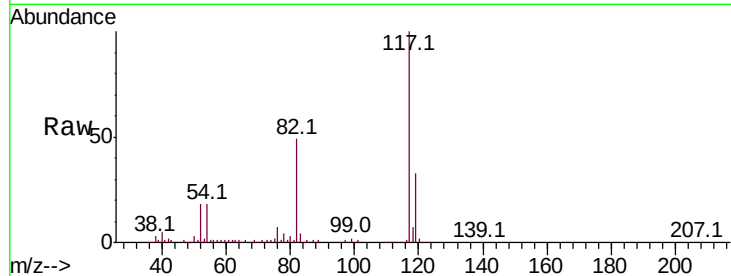




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067900.D
Acq: 07 Dec 2020 15:31

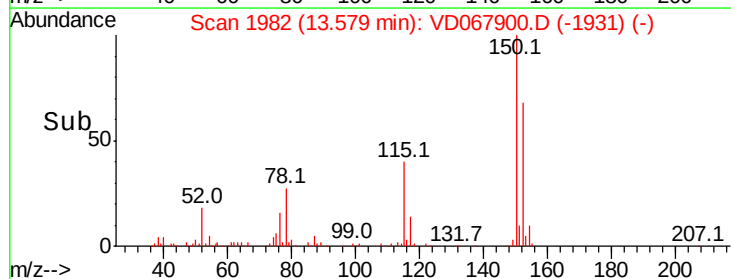
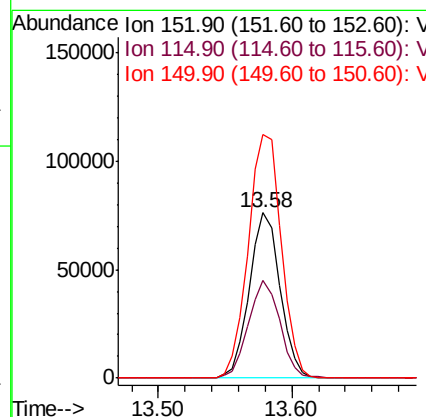
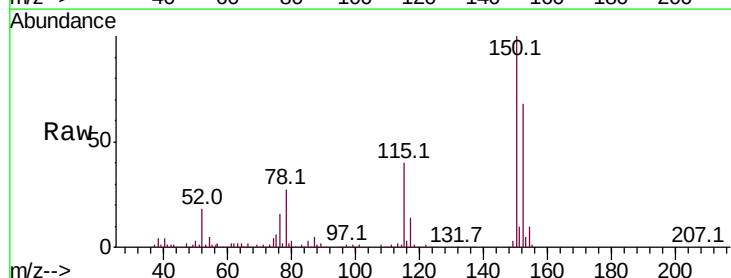
Instrument :
MSVOA_D
ClientSampleId :
5S2-B-BOTTOM

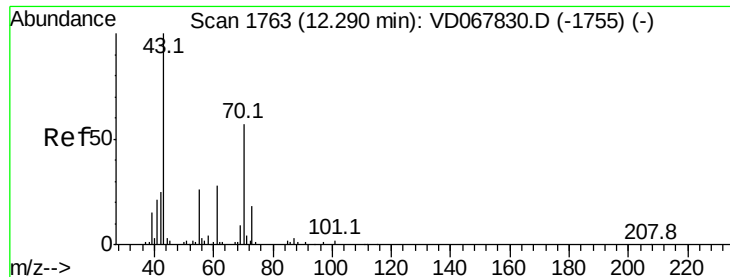
Tot Ion	Ratio	Lower	Upper
117	100		
82	48.8	40.6	60.8
119	32.8	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067900.D
Acq: 07 Dec 2020 15:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.1	29.1	87.4
150	157.5	0.0	339.0





#74

N-amvl acetate

Concen: 1.336 ug/l

RT: 12.28 min Scan# 1761

Delta R.T. -0.01 min

Lab File: VD067900.D

Acq: 07 Dec 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

5S2-B-BOTTOM

Tot Ion: 43 Resp: 1378

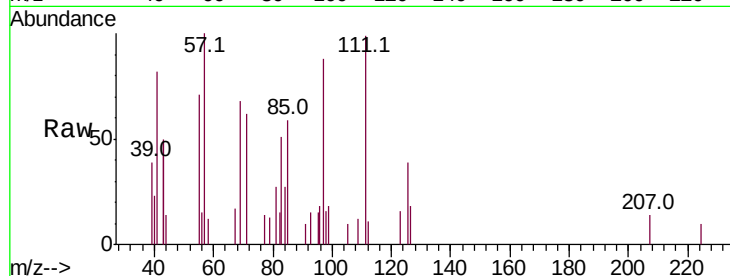
Ion Ratio Lower Upper

43 100

70 0.0 44.6 66.8#

55 16.6 22.2 33.2#

61 0.0 22.7 34.1#

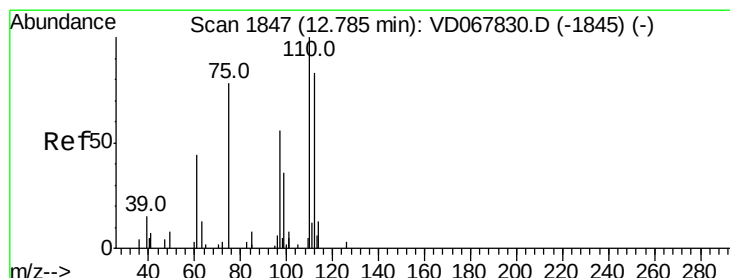
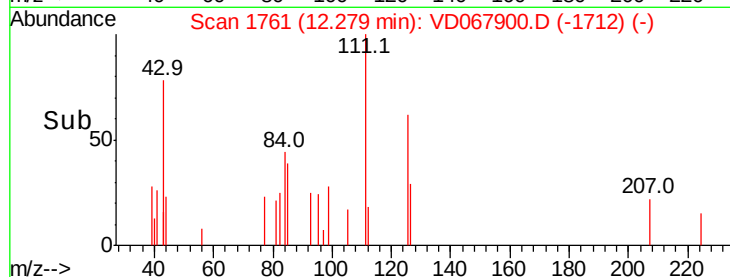
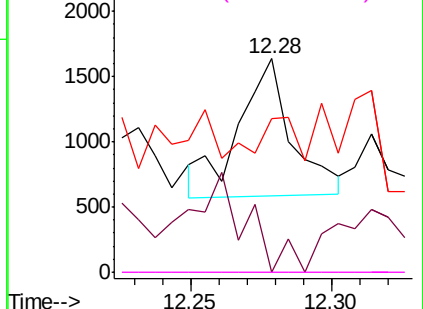


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC



#76

1,2,3-Trichloropropane

Concen: 78.468 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067900.D

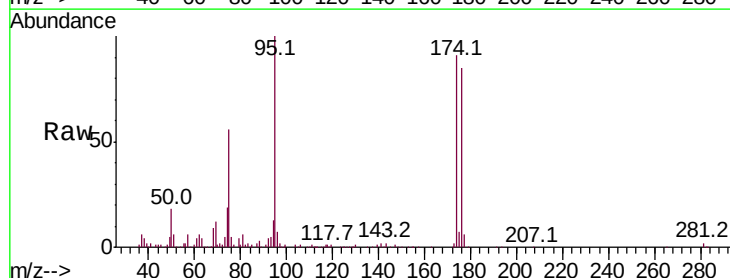
Acq: 07 Dec 2020 15:31

Tgt Ion: 75 Resp: 69277

Ion Ratio Lower Upper

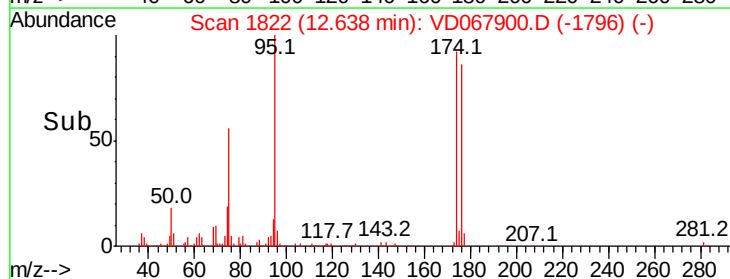
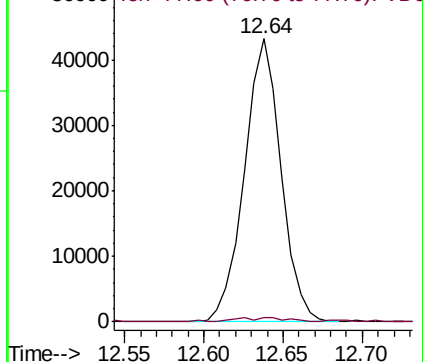
75 100

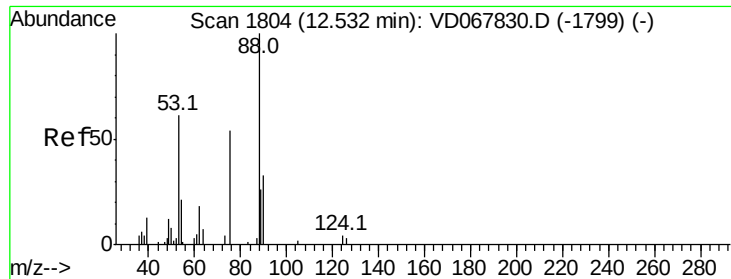
77 2.1 175.9 527.7#



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: 187.702 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067900.D

Acq: 07 Dec 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

5S2-B-BOTTOM

Tot Ion: 75 Resp: 69277

Ion Ratio Lower Upper

75 100

53 0.0 84.6 127.0#

89 0.2 41.0 61.6#

