

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120920\
 Data File : VD067923.D
 Acq On : 09 Dec 2020 12:58
 Operator : VA/SY
 Sample : L4983-14
 Misc : 6.47G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR2-D-BOTTOM

Quant Time: Dec 10 02:09:40 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	223227	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	308475	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	278496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	135233	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	114348	47.72	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.44%
35) Dibromofluoromethane	7.92	113	94140	45.61	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.22%
50) Toluene-d8	10.34	98	351869	47.35	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	94.70%
62) 4-Bromofluorobenzene	12.64	95	115550	44.98	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	89.96%

Target Compounds

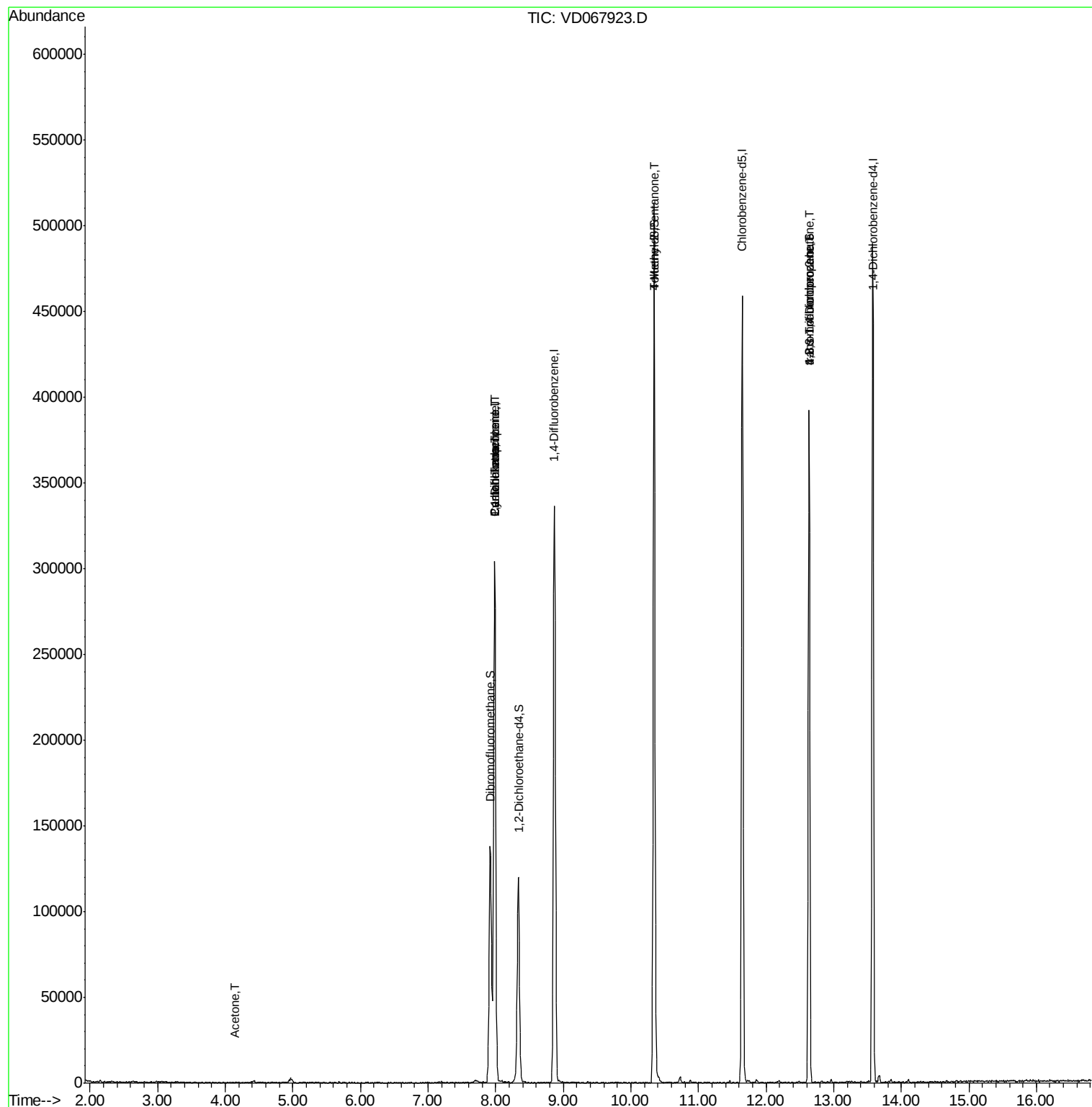
					Qvalue	
16) Acetone	4.14	43	327	1.104	ug/l #	47
20) Methylene Chloride	4.96	84	2375	Below Cal	#	90
31) Cyclohexane	7.98	56	4651	1.842	ug/l #	39
36) 1,1-Dichloropropene	7.98	75	14550	5.449	ug/l #	48
38) Carbon Tetrachloride	7.98	117	22286	5.516	ug/l #	14
51) 4-Methyl-2-Pentanone	10.34	43	1430	2.134	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	63699	64.682	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	63699	154.724	ug/l #	7

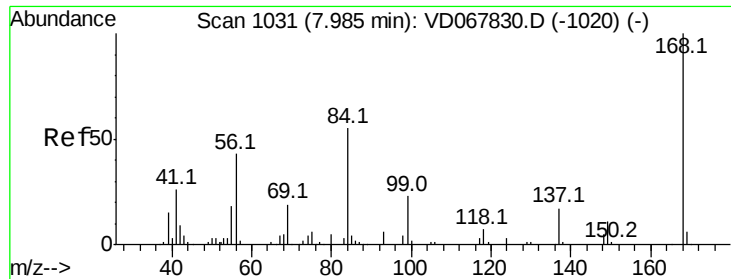
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120920\
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TR2-D-BOTTOM

Quant Time: Dec 10 02:09:40 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
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: VD067923.D

Acq: 09 Dec 2020 12:58

Instrument :

MSVOA_D

ClientSampleId :

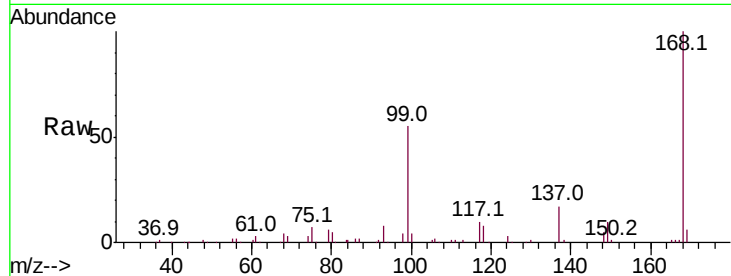
TR2-D-BOTTOM

Tot Ion:168 Resp: 223227

Ion Ratio Lower Upper

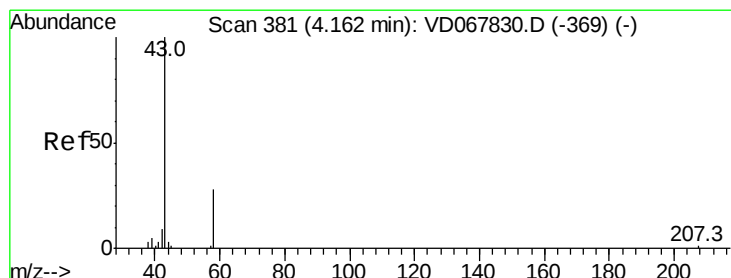
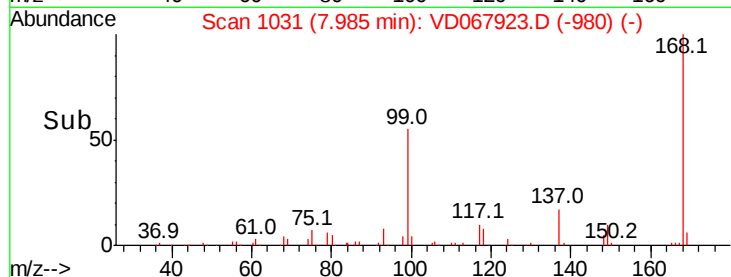
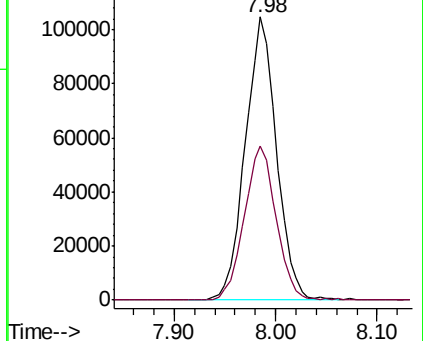
168 100

99 54.5 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: 1.104 ug/l

RT: 4.14 min Scan# 378

Delta R.T. -0.02 min

Lab File: VD067923.D

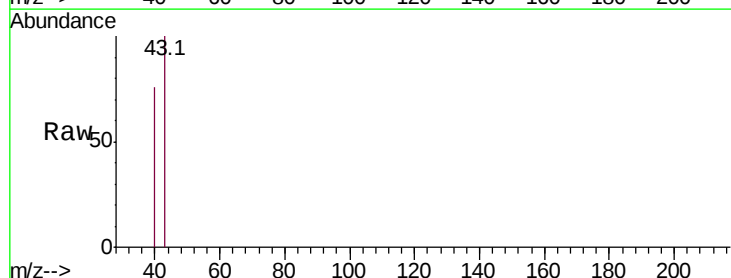
Acq: 09 Dec 2020 12:58

Tgt Ion: 43 Resp: 327

Ion Ratio Lower Upper

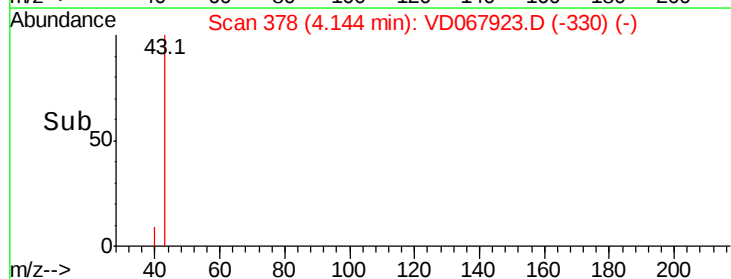
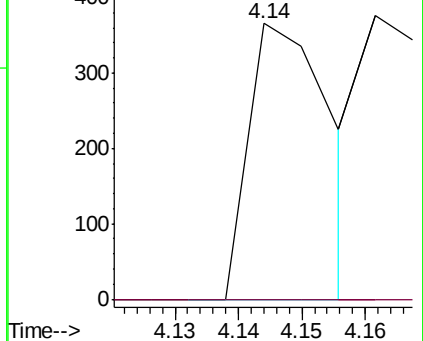
43 100

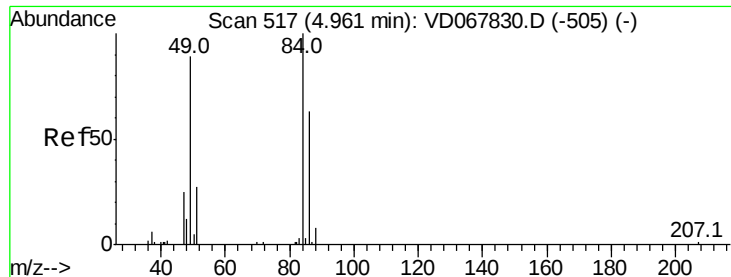
58 0.0 21.9 32.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

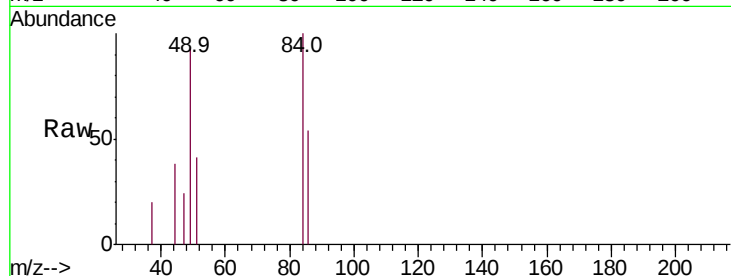




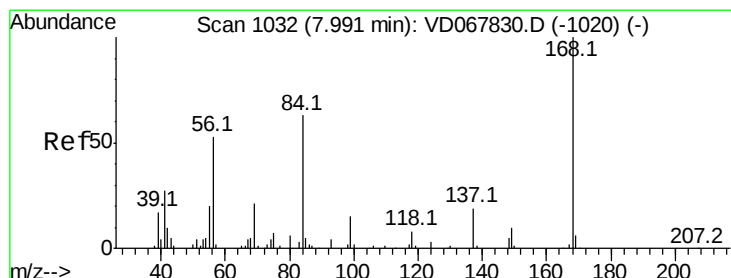
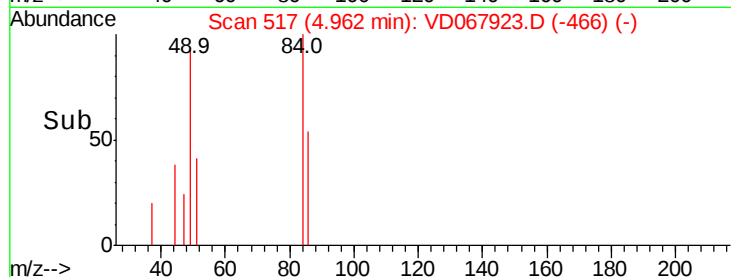
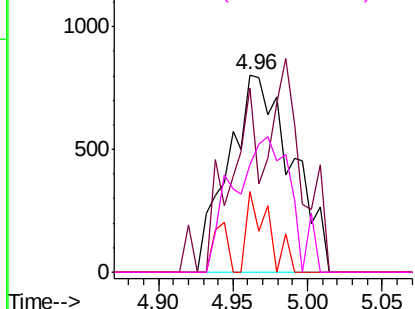
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067923.D
Acq: 09 Dec 2020 12:58

Instrument :
MSVOA_D
ClientSampleId :
TR2-D-BOTTOM

Tot Ion: 84 Resp: 2375
Ion Ratio Lower Upper
84 100
49 93.4 71.4 107.0
51 40.8 21.8 32.8#
86 54.2 50.6 75.8

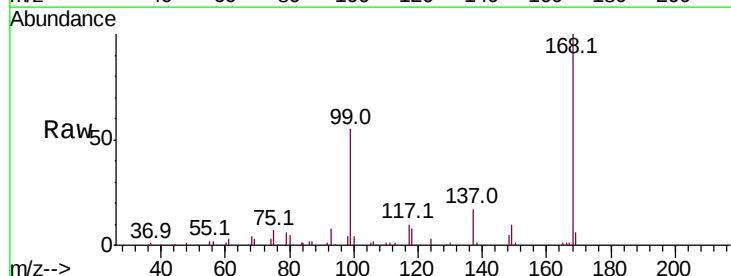


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

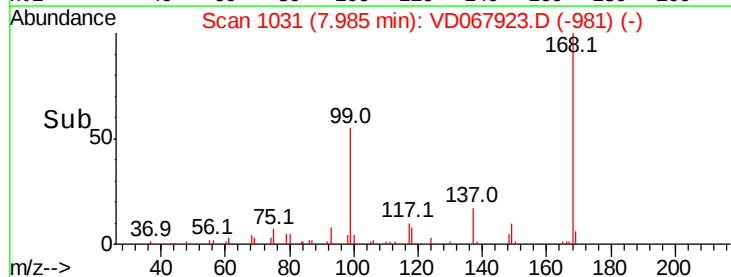
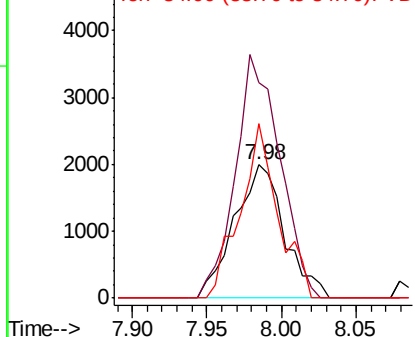


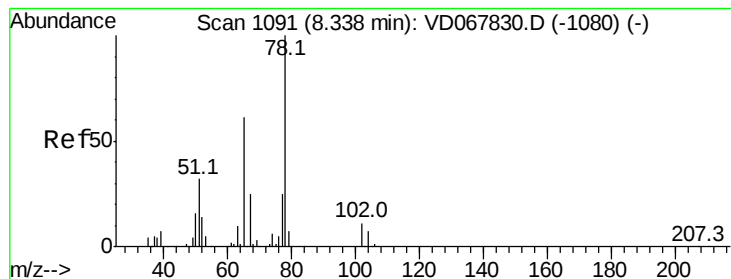
#31
Cyclohexane
Concen: 1.842 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067923.D
Acq: 09 Dec 2020 12:58

Tgt Ion: 56 Resp: 4651
Ion Ratio Lower Upper
56 100
69 161.9 32.1 48.1#
84 131.3 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: 47.716 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD067923.D

Acq: 09 Dec 2020 12:58

Instrument :

MSVOA_D

ClientSampleId :

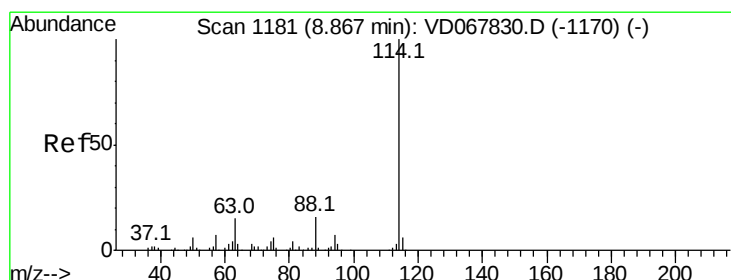
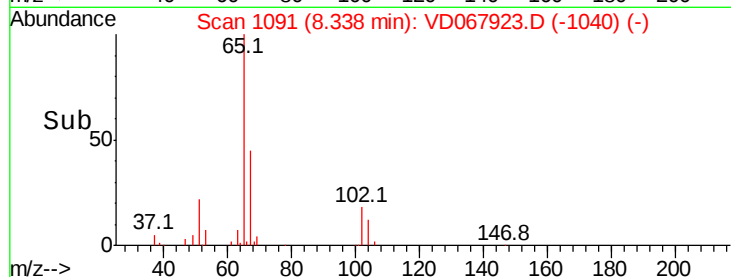
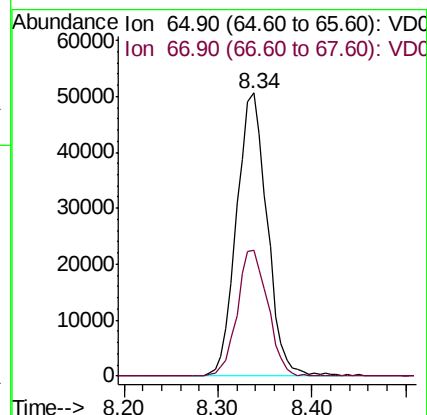
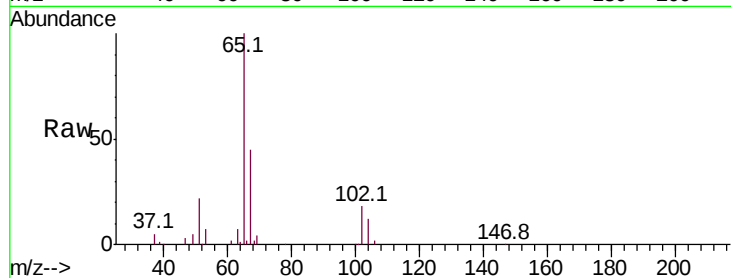
TR2-D-BOTTOM

Tot Ion: 65 Resp: 114348

Ion Ratio Lower Upper

65 100

67 44.4 0.0 92.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD067923.D

Acq: 09 Dec 2020 12:58

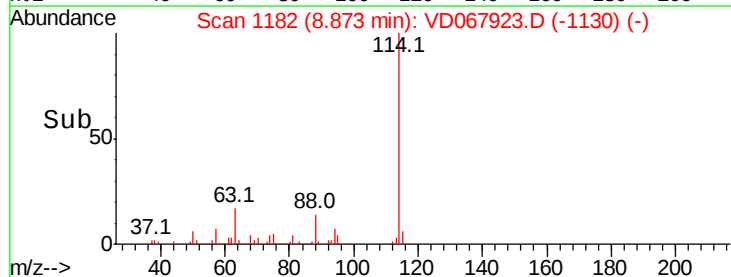
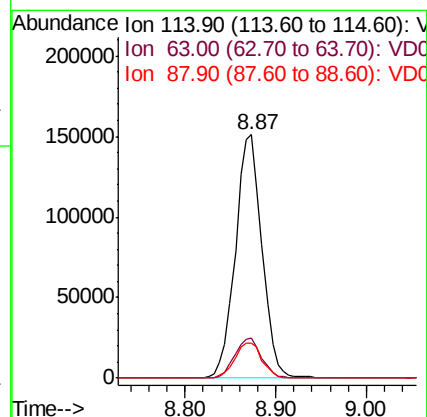
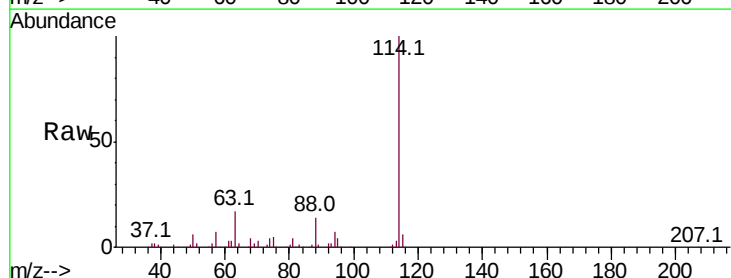
Tgt Ion: 114 Resp: 308475

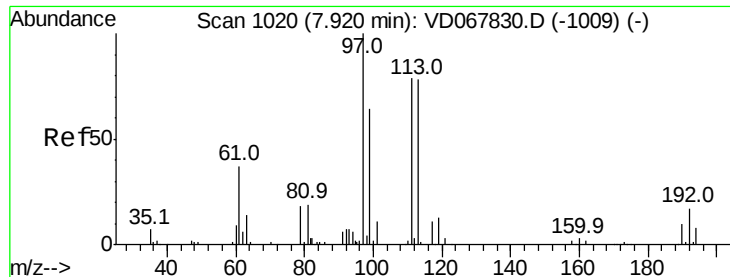
Ion Ratio Lower Upper

114 100

63 16.6 0.0 30.8

88 14.4 0.0 31.8

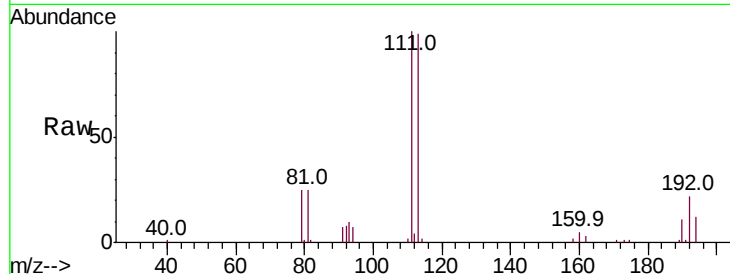




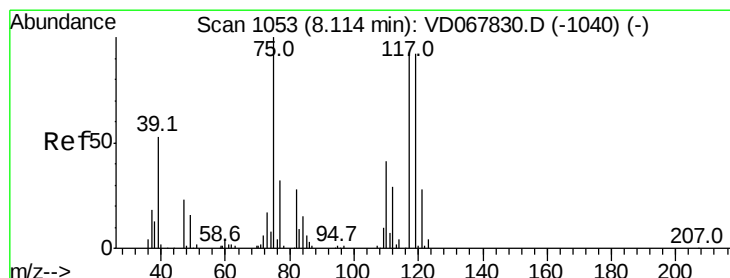
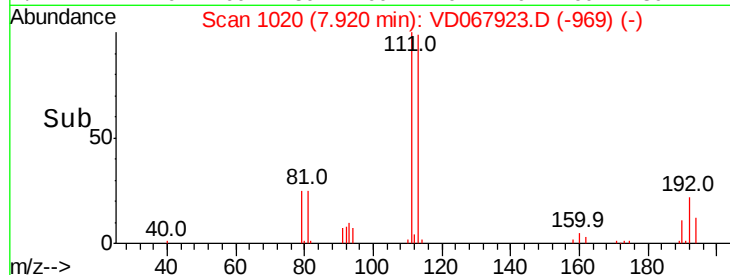
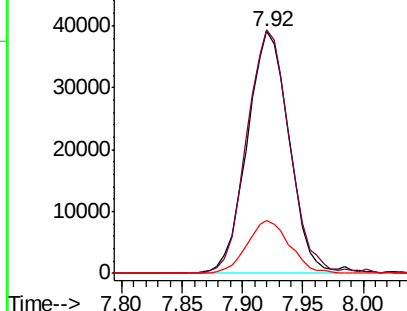
#35
Dibromofluoromethane
Concen: 45.607 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD067923.D
Acq: 09 Dec 2020 12:58

Instrument :
MSVOA_D
ClientSampleId :
TR2-D-BOTTOM

Tot Ion:113 Resp: 94140
Ion Ratio Lower Upper
113 100
111 102.5 81.2 121.8
192 22.1 16.8 25.2

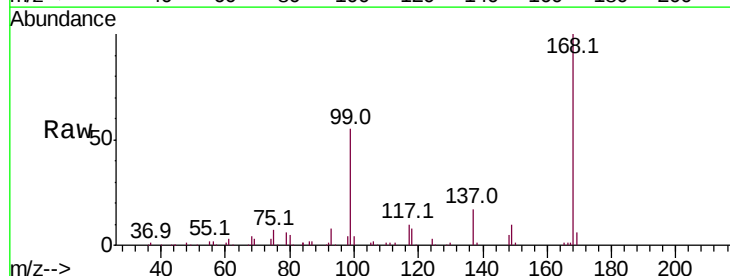


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

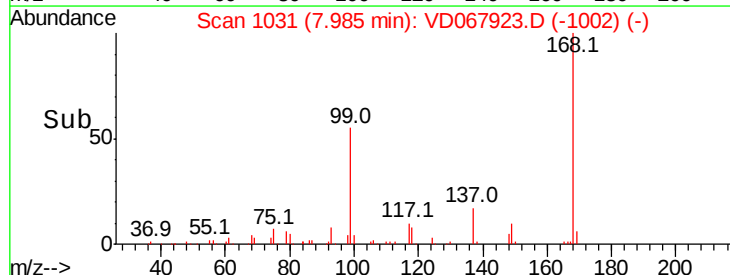
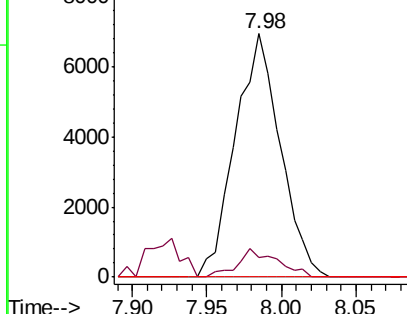


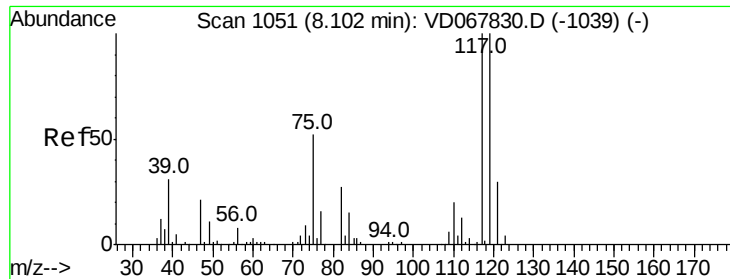
#36
1,1-Dichloropropene
Concen: 5.449 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.13 min
Lab File: VD067923.D
Acq: 09 Dec 2020 12:58

Tgt Ion: 75 Resp: 14550
Ion Ratio Lower Upper
75 100
110 10.2 20.3 61.0#
77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VDC





#38

Carbon Tetrachloride

Concen: 5.516 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067923.D

Acq: 09 Dec 2020 12:58

Instrument :

MSVOA_D

ClientSampleId :

TR2-D-BOTTOM

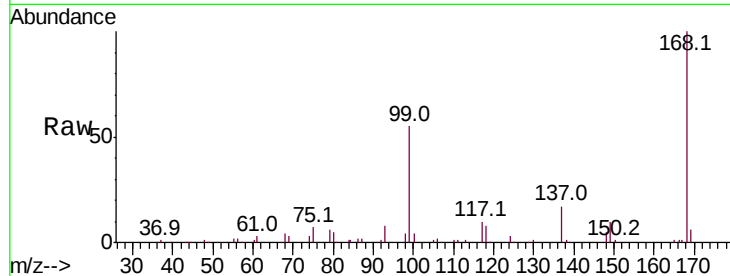
Tot Ion:117 Resp: 22286

Ion Ratio Lower Upper

117 100

119 5.0 79.7 119.5#

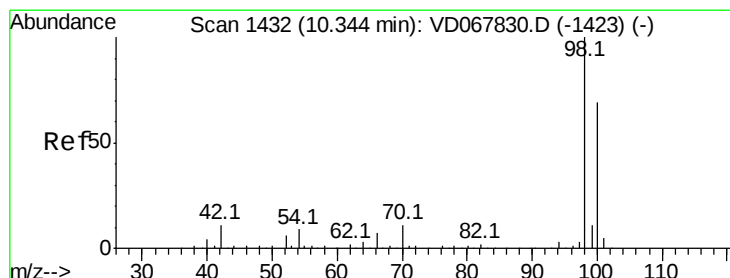
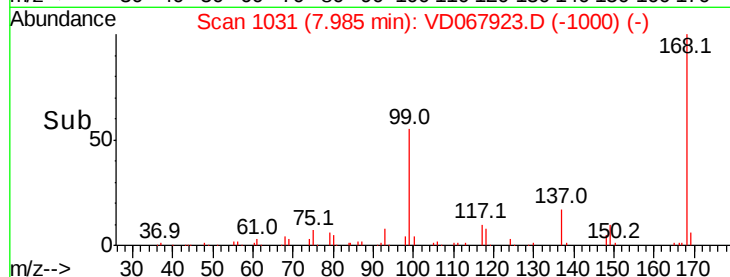
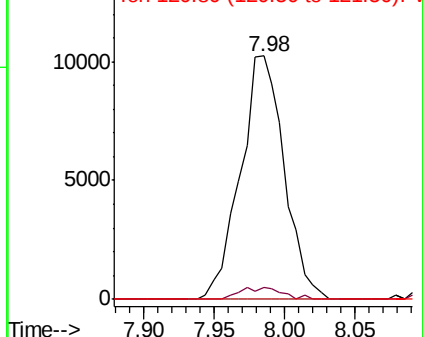
121 0.0 23.8 35.6#



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: 47.354 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067923.D

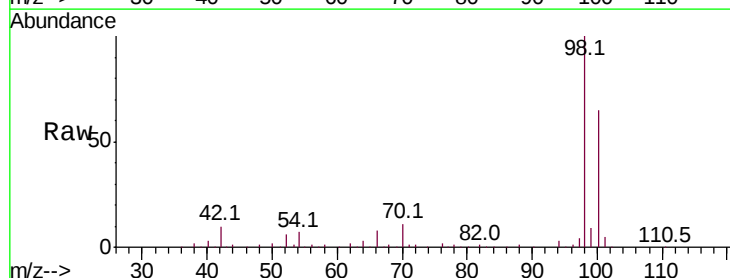
Acq: 09 Dec 2020 12:58

Tgt Ion: 98 Resp: 351869

Ion Ratio Lower Upper

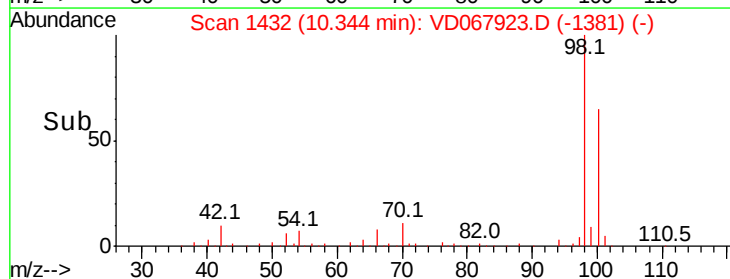
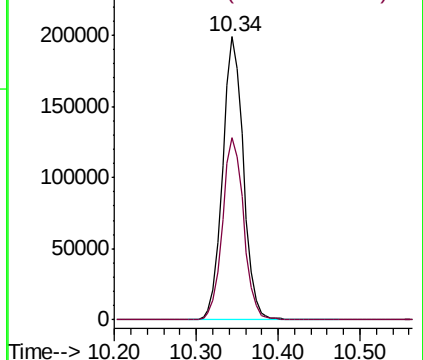
98 100

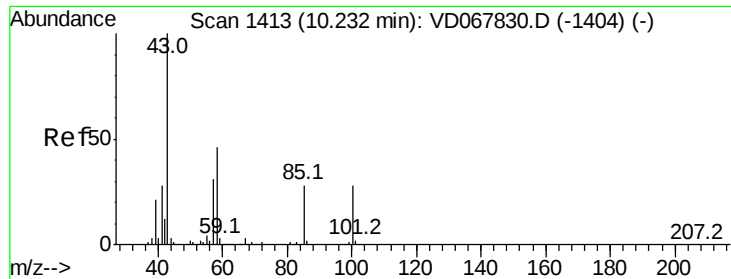
100 65.6 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 2.134 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD067923.D

Acq: 09 Dec 2020 12:58

Instrument :

MSVOA_D

ClientSampleId :

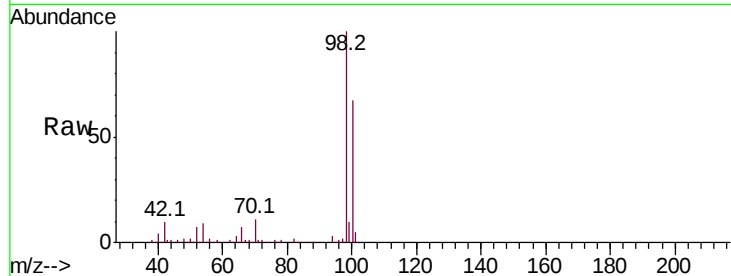
TR2-D-BOTTOM

Tot Ion: 43 Resp: 1430

Ion Ratio Lower Upper

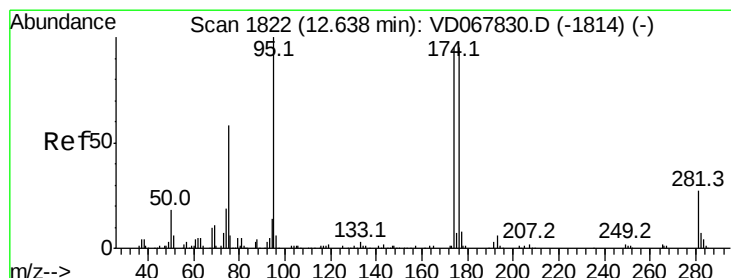
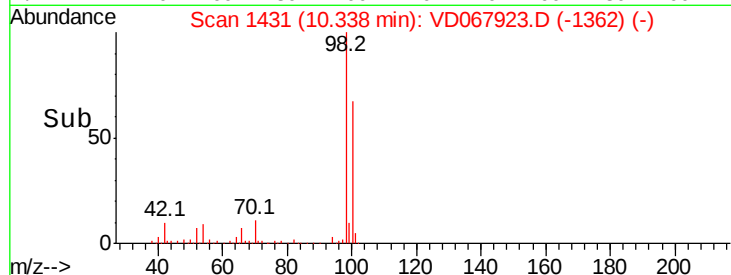
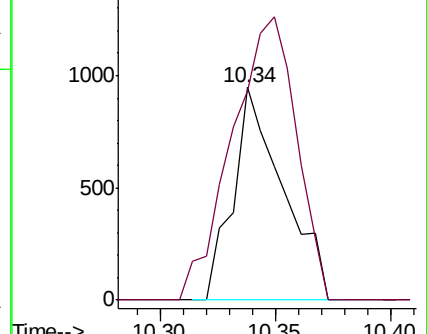
43 100

58 171.6 35.7 53.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 44.980 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067923.D

Acq: 09 Dec 2020 12:58

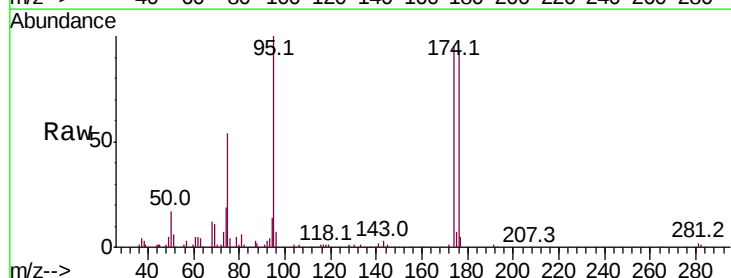
Tgt Ion: 95 Resp: 115550

Ion Ratio Lower Upper

95 100

174 94.9 0.0 186.0

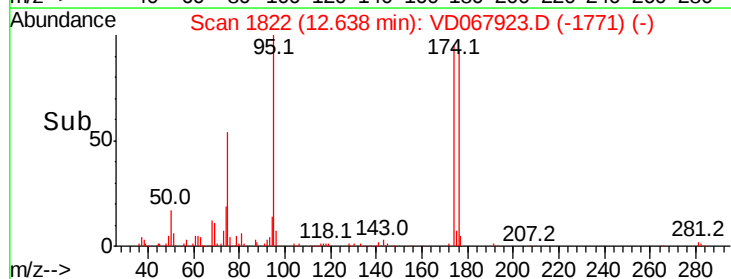
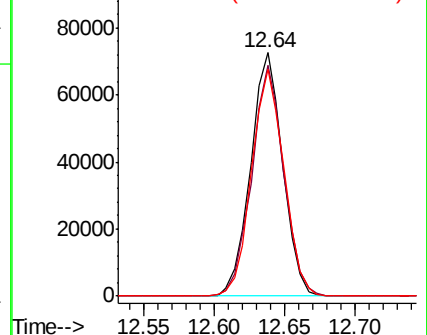
176 94.0 0.0 184.2

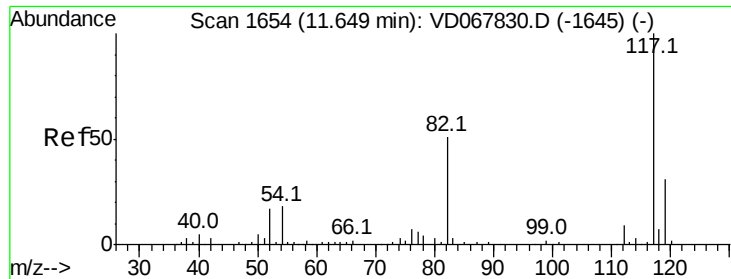


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

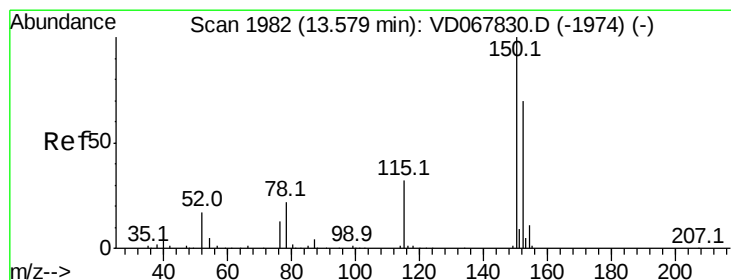
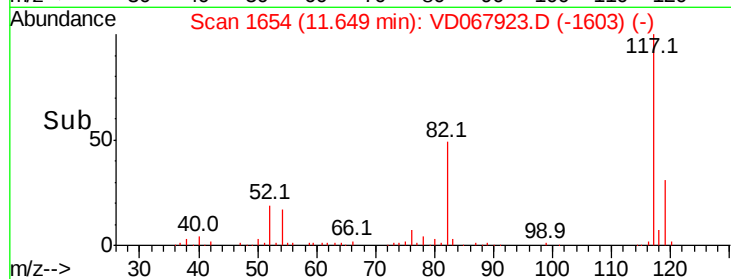
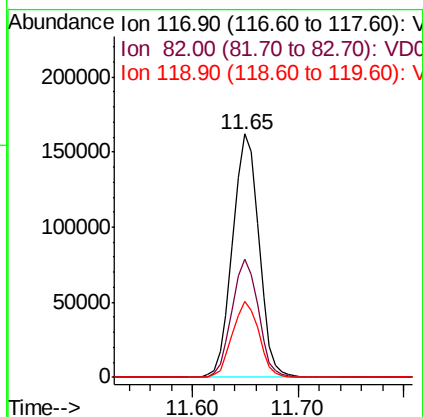
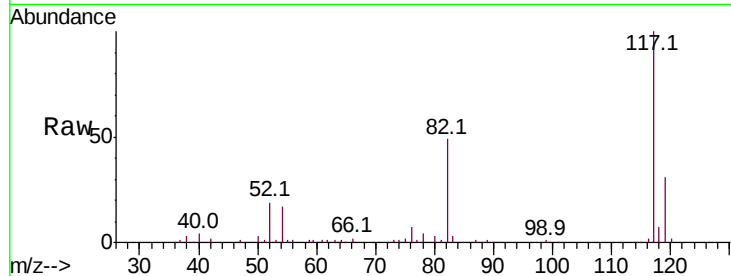




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067923.D
Acq: 09 Dec 2020 12:58

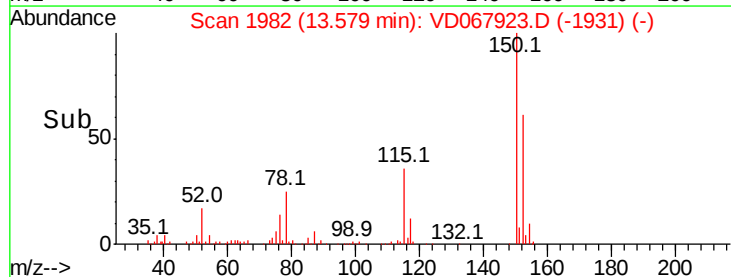
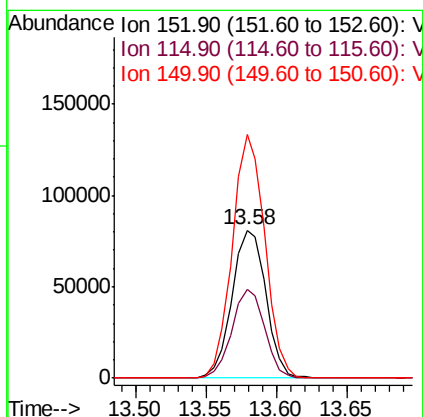
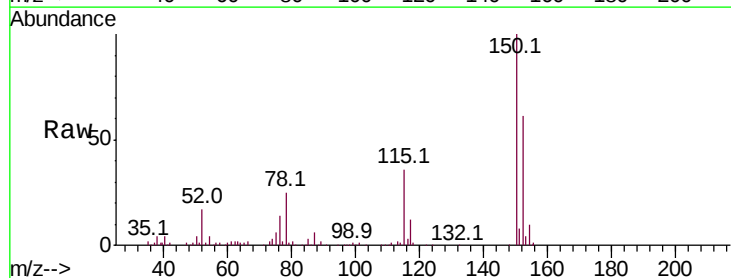
Instrument :
MSVOA_D
ClientSampleId :
TR2-D-BOTTOM

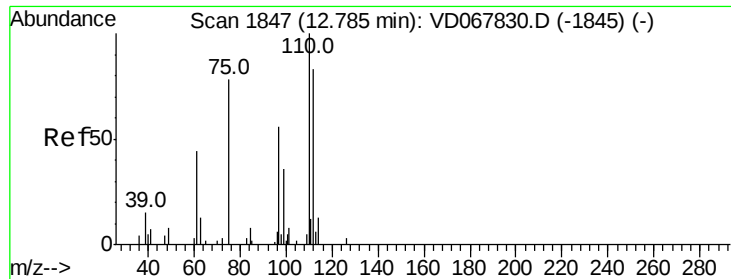
Tot Ion:117 Resp: 278496
Ion Ratio Lower Upper
117 100
82 48.7 40.6 60.8
119 31.0 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067923.D
Acq: 09 Dec 2020 12:58

Tgt Ion:152 Resp: 135233
Ion Ratio Lower Upper
152 100
115 57.9 29.1 87.4
150 158.5 0.0 339.0

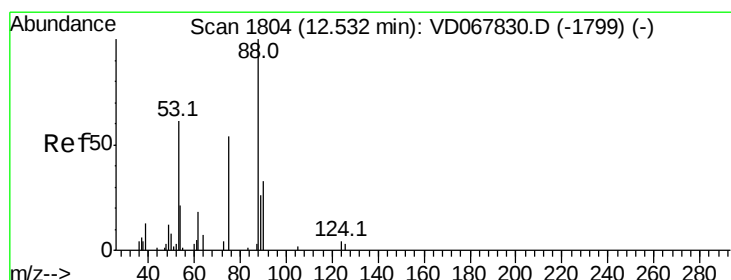
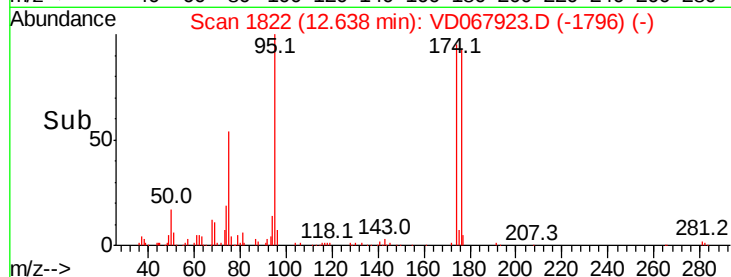
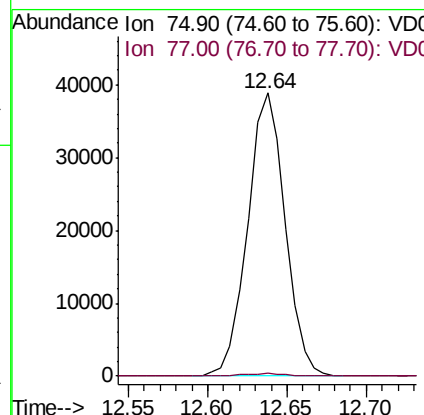
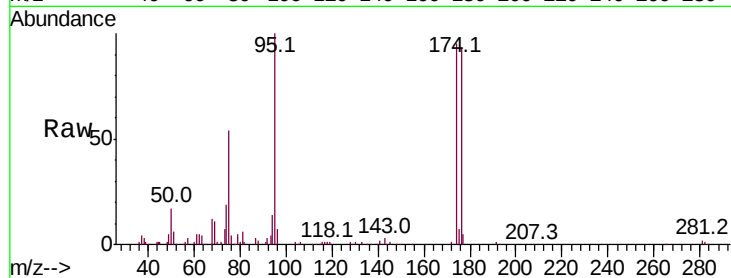




#76
 1,2,3-Trichloropropane
 Concen: 64.682 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067923.D
 Acq: 09 Dec 2020 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 TR2-D-BOTTOM

Tot Ion: 75 Resp: 63699
 Ion Ratio Lower Upper
 75 100
 77 0.8 175.9 527.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 154.724 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD067923.D
 Acq: 09 Dec 2020 12:58

Tgt Ion: 75 Resp: 63699
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.6 127.0#
 89 0.0 41.0 61.6#

