

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120720\
 Data File : VD067899.D
 Acq On : 07 Dec 2020 15:04
 Operator : VA/SY
 Sample : L4971-03
 Misc : 7.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 5S1-D-BOTTOM

Quant Time: Dec 08 03:14:22 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	209892	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	298097	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	241609	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	82747	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	103827	46.08	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.16%
35) Dibromofluoromethane	7.92	113	86313	43.27	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.54%
50) Toluene-d8	10.34	98	329670	45.91	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.82%
62) 4-Bromofluorobenzene	12.64	95	93936	37.84	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	75.68%

Target Compounds

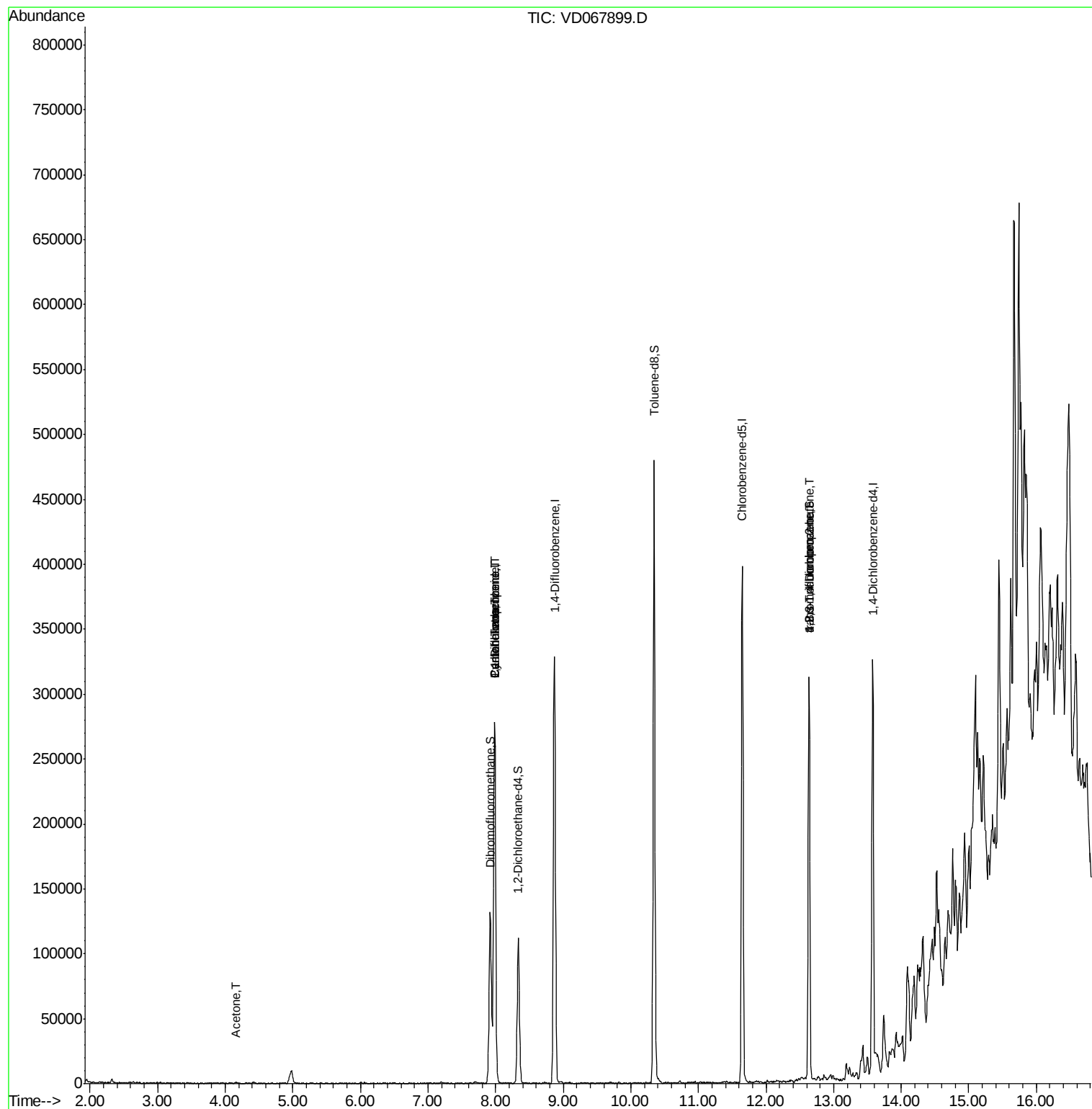
					Qvalue	
16) Acetone	4.16	43	1768	6.350	ug/l	94
31) Cyclohexane	7.98	56	4381	1.845	ug/l #	38
36) 1,1-Dichloropropene	7.99	75	13578	5.262	ug/l #	53
38) Carbon Tetrachloride	7.99	117	22484	5.758	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	53078	88.083	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	53078	210.703	ug/l #	7

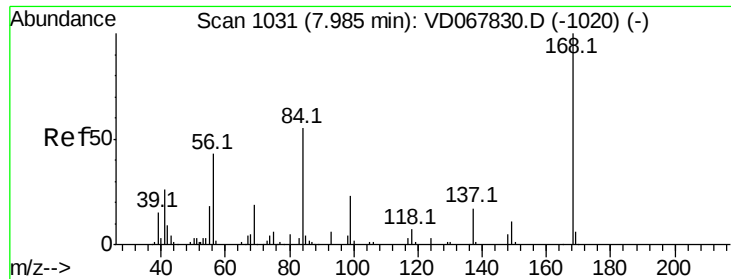
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Operator : VA/SY
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MSVOA_D
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Quant Time: Dec 08 03:14:22 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: VD067899.D

Acq: 07 Dec 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

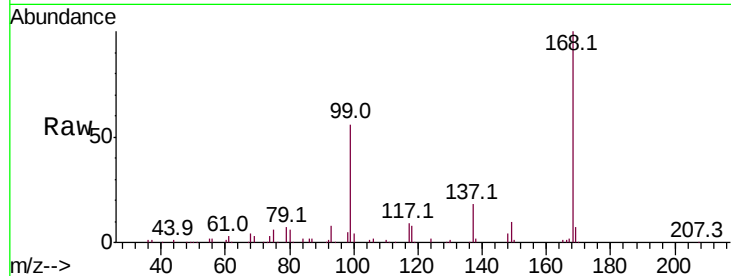
5S1-D-BOTTOM

Tot Ion:168 Resp: 209892

Ion Ratio Lower Upper

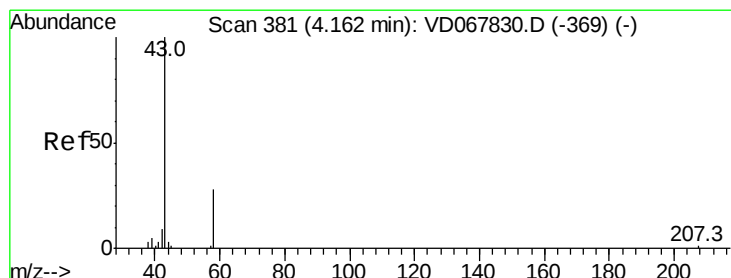
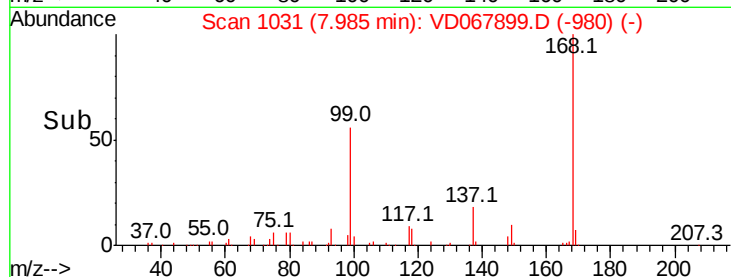
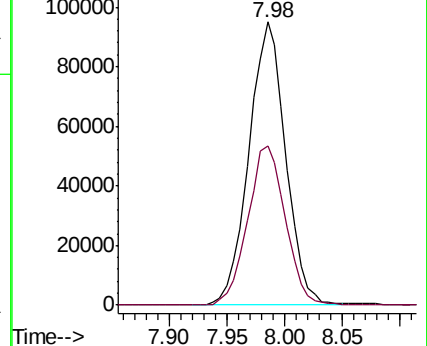
168 100

99 56.3 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: 6.350 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD067899.D

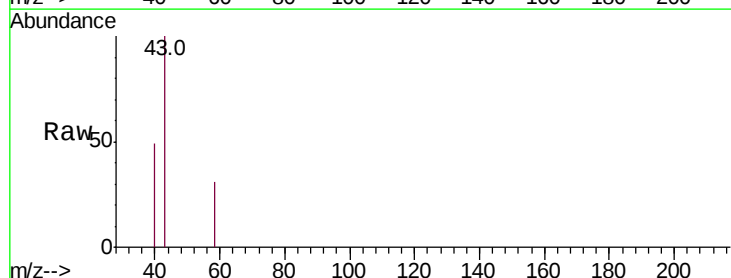
Acq: 07 Dec 2020 15:04

Tgt Ion: 43 Resp: 1768

Ion Ratio Lower Upper

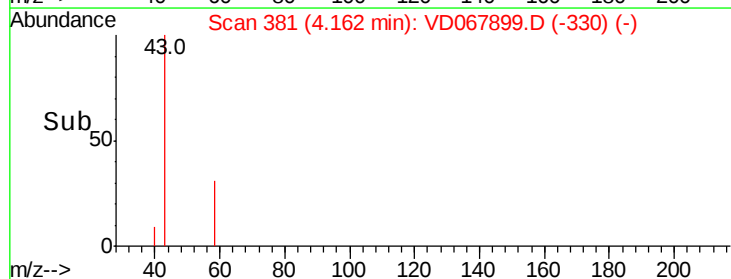
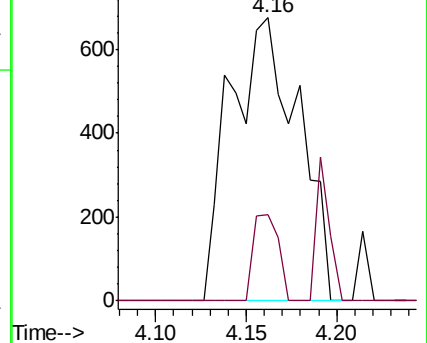
43 100

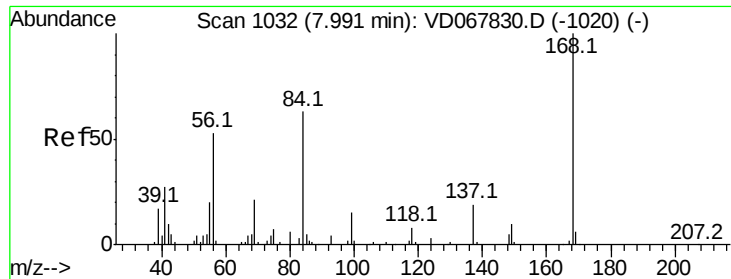
58 30.5 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

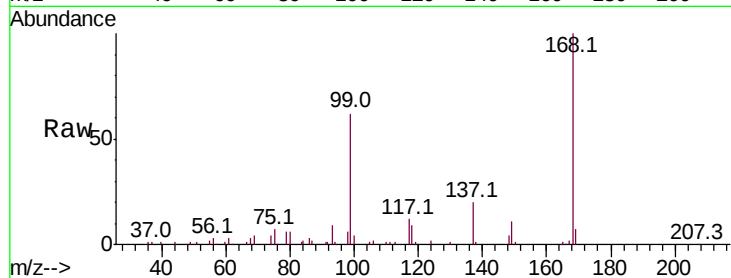




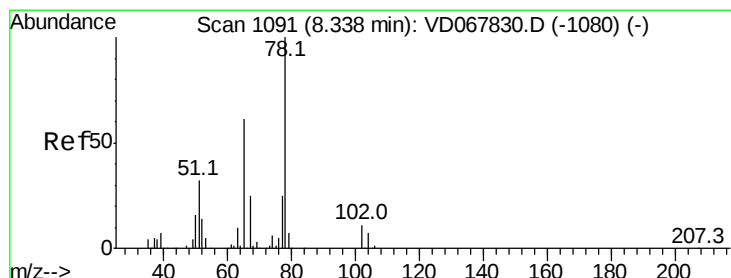
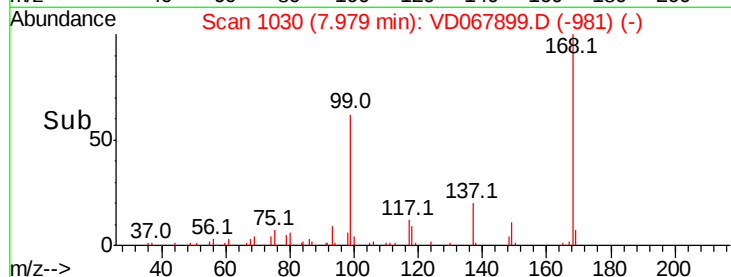
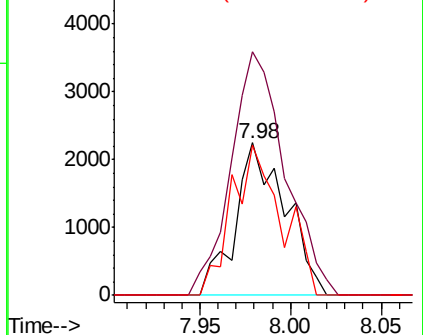
#31
Cyclohexane
Concen: 1.845 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067899.D
Acq: 07 Dec 2020 15:04

Instrument :
MSVOA_D
ClientSampleId :
5S1-D-BOTTOM

Tot Ion: 56 Resp: 4381
Ion Ratio Lower Upper
56 100
69 159.9 32.1 48.1#
84 98.6 93.2 139.8

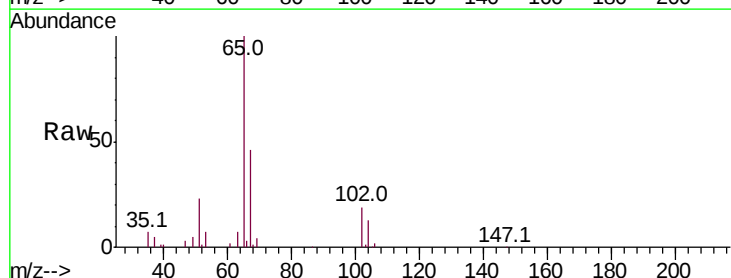


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

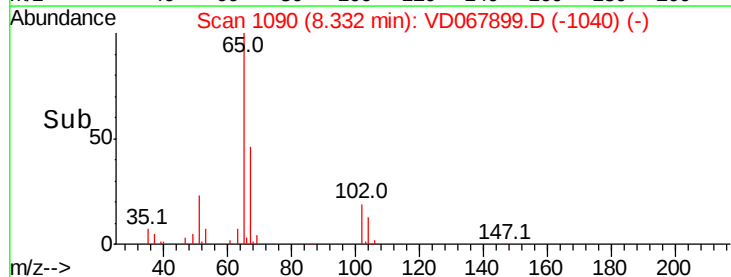
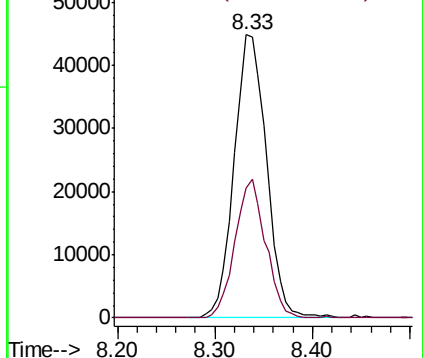


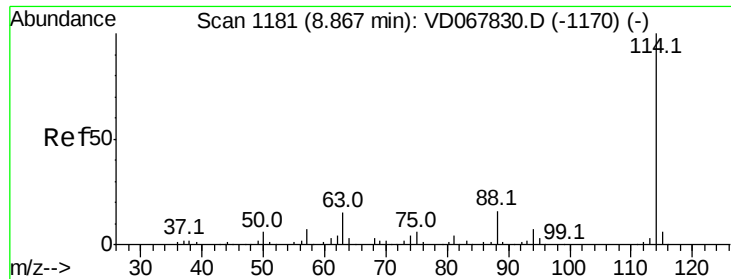
#33
1,2-Dichloroethane-d4
Concen: 46.078 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD067899.D
Acq: 07 Dec 2020 15:04

Tgt Ion: 65 Resp: 103827
Ion Ratio Lower Upper
65 100
67 46.1 0.0 92.0



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

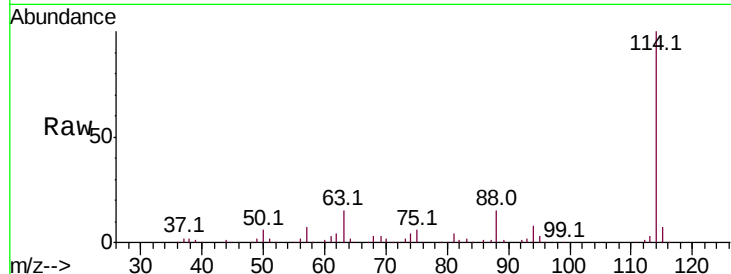




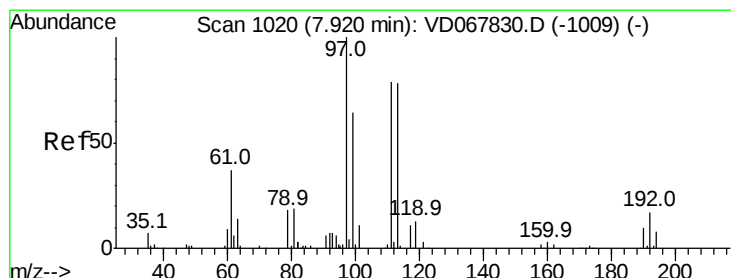
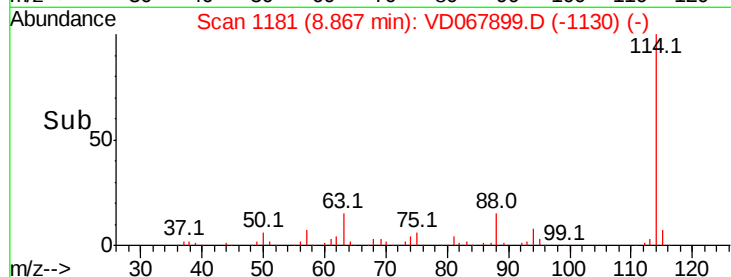
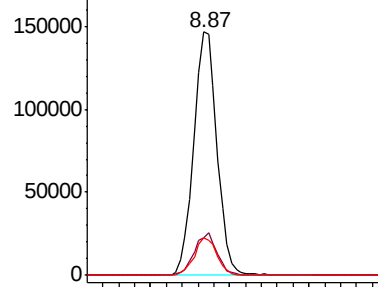
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067899.D
 Acq: 07 Dec 2020 15:04

Instrument :
 MSVOA_D
 ClientSampleId :
 5S1-D-BOTTOM

Tot Ion	Ratio	Lower	Upper
114	100		
63	15.3	0.0	30.8
88	15.3	0.0	31.8

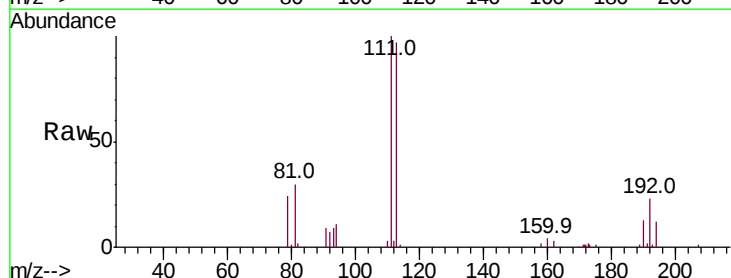


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

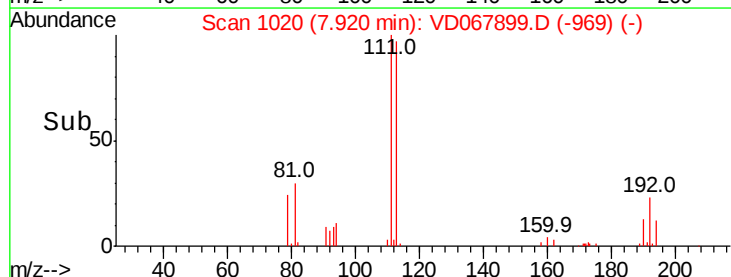
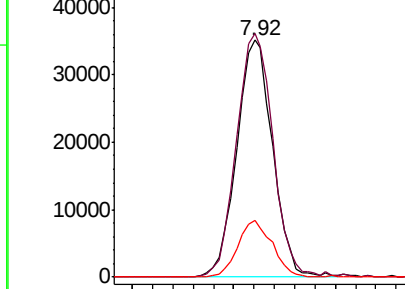


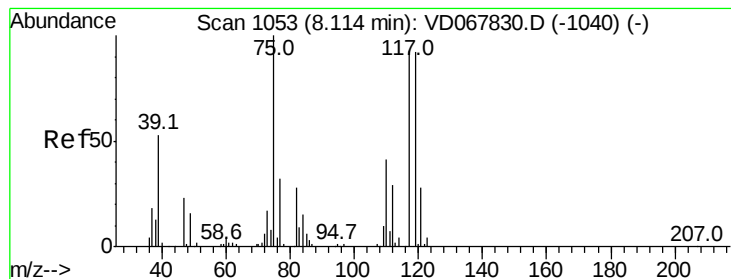
#35
 Dibromofluoromethane
 Concen: 43.271 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD067899.D
 Acq: 07 Dec 2020 15:04

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.4	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: 5.262 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.12 min

Lab File: VD067899.D

Acq: 07 Dec 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

5S1-D-BOTTOM

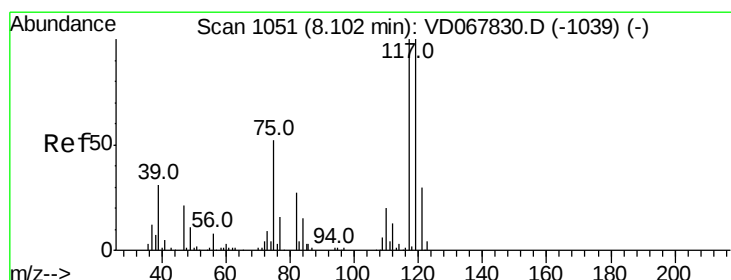
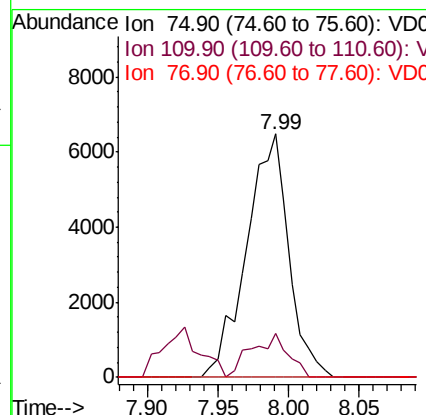
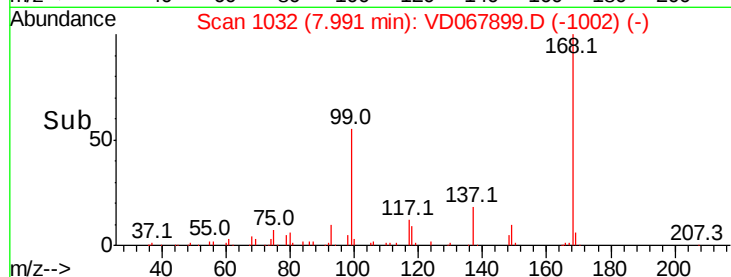
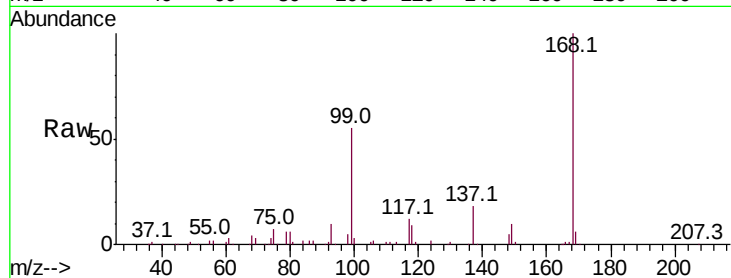
Tot Ion: 75 Resp: 13578

Ion Ratio Lower Upper

75 100

110 15.8 20.3 61.0#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.758 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.11 min

Lab File: VD067899.D

Acq: 07 Dec 2020 15:04

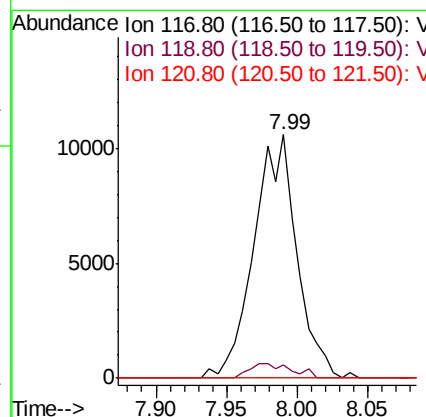
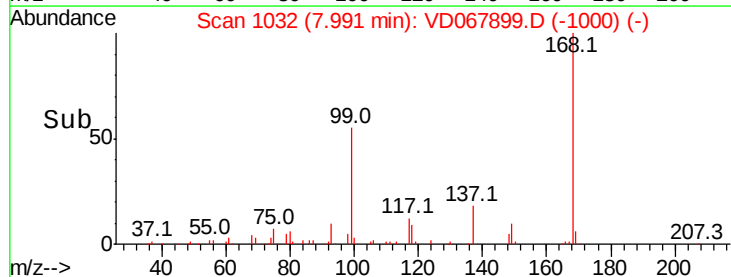
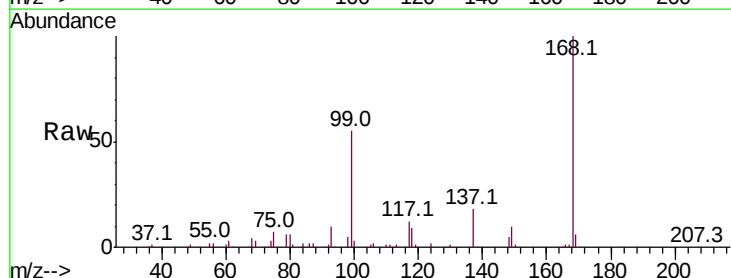
Tgt Ion: 117 Resp: 22484

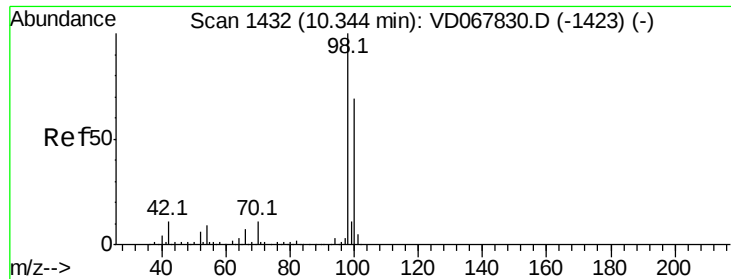
Ion Ratio Lower Upper

117 100

119 5.4 79.7 119.5#

121 0.0 23.8 35.6#





#50

Toluene-d8

Concen: 45.912 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067899.D

Acq: 07 Dec 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

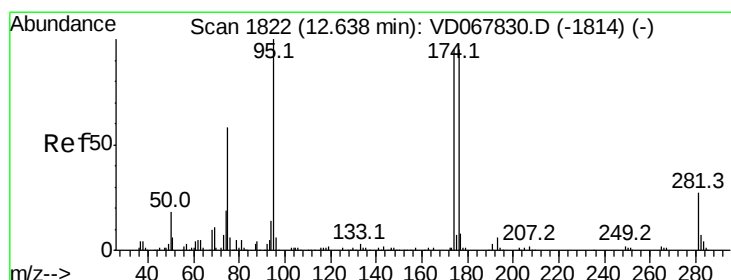
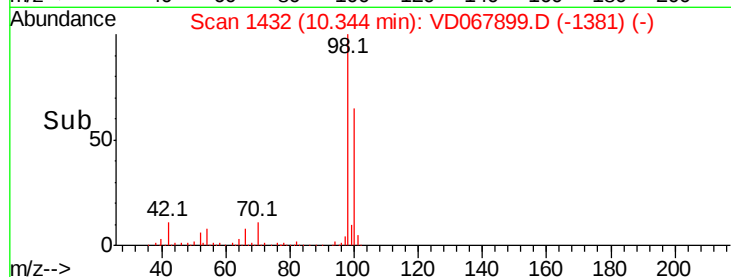
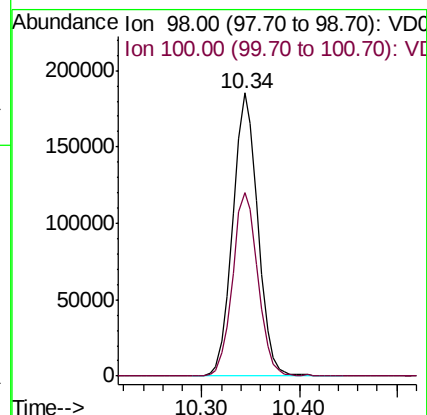
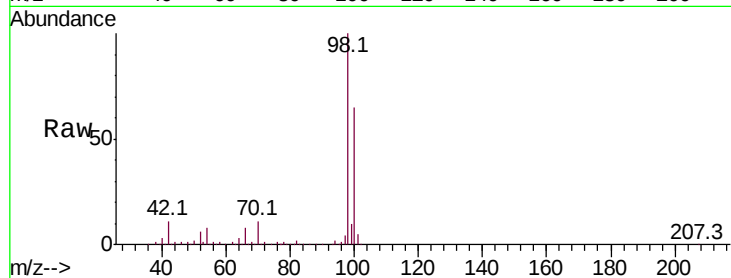
5S1-D-BOTTOM

Tot Ion: 98 Resp: 329670

Ion Ratio Lower Upper

98 100

100 65.1 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 37.839 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067899.D

Acq: 07 Dec 2020 15:04

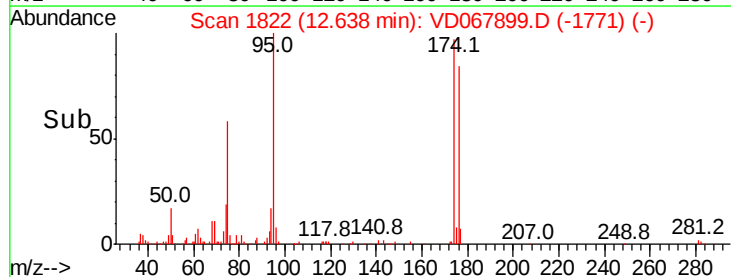
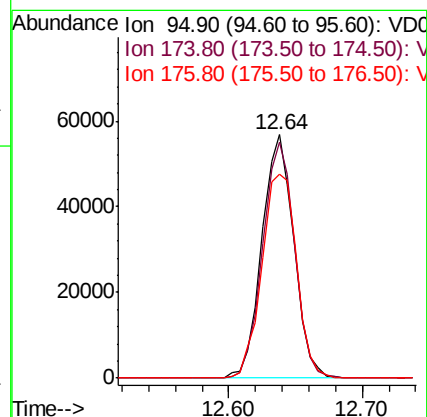
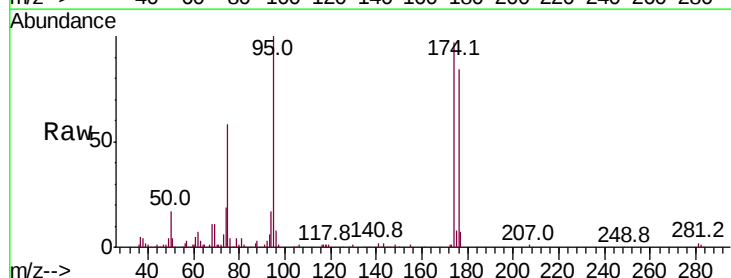
Tgt Ion: 95 Resp: 93936

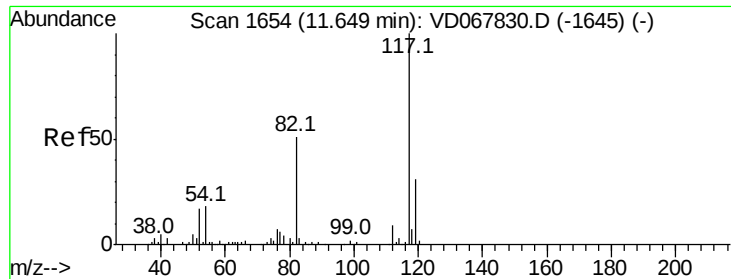
Ion Ratio Lower Upper

95 100

174 96.9 0.0 186.0

176 91.0 0.0 184.2

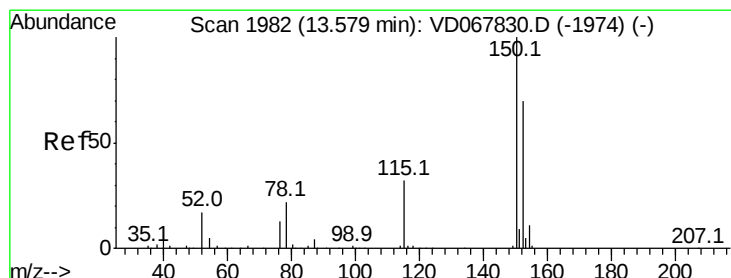
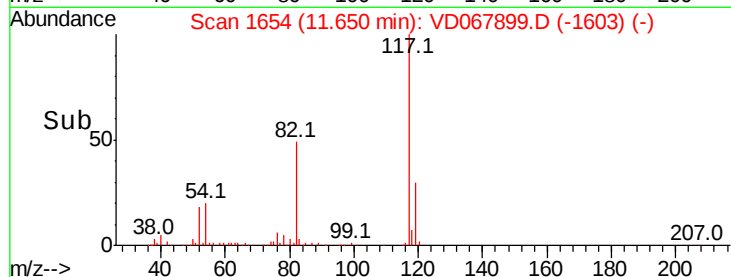
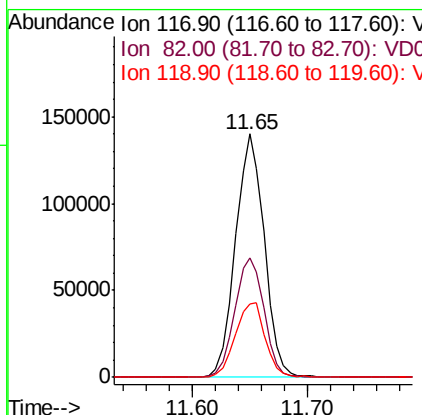
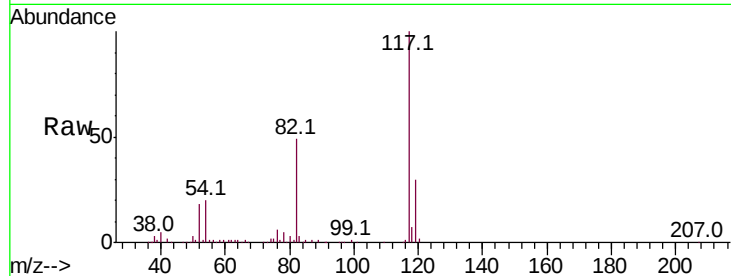




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067899.D
Acq: 07 Dec 2020 15:04

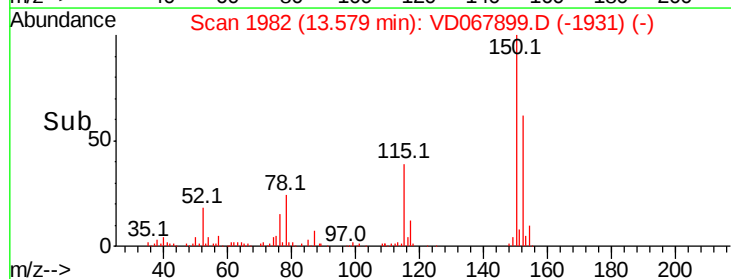
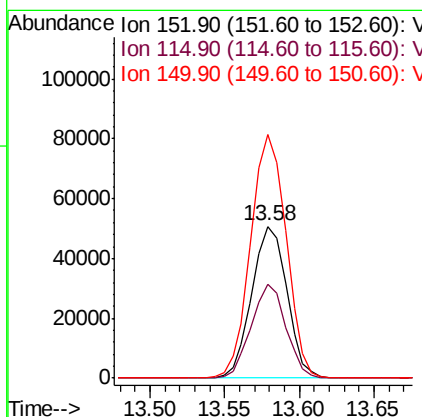
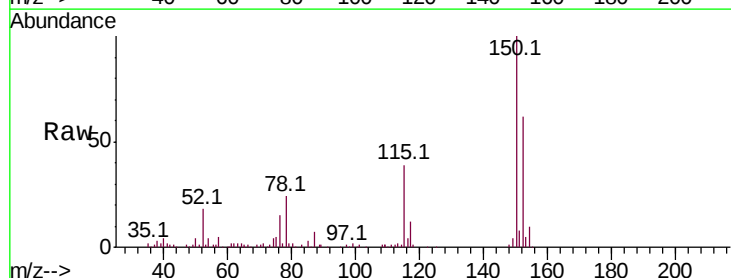
Instrument :
MSVOA_D
ClientSampleId :
5S1-D-BOTTOM

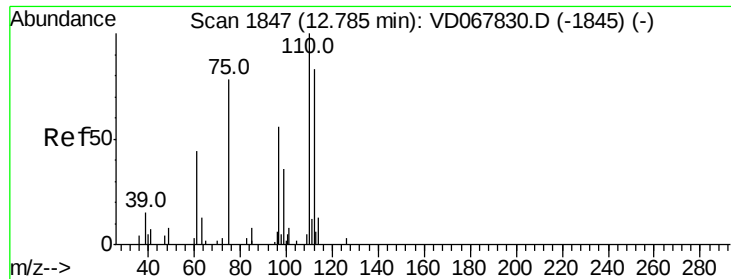
Tot Ion	Ratio	Lower	Upper
117	100		
82	49.3	40.6	60.8
119	30.3	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067899.D
Acq: 07 Dec 2020 15:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	29.1	87.4
150	161.6	0.0	339.0





#76

1,2,3-Trichloropropane

Concen: 88.083 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067899.D

Acq: 07 Dec 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

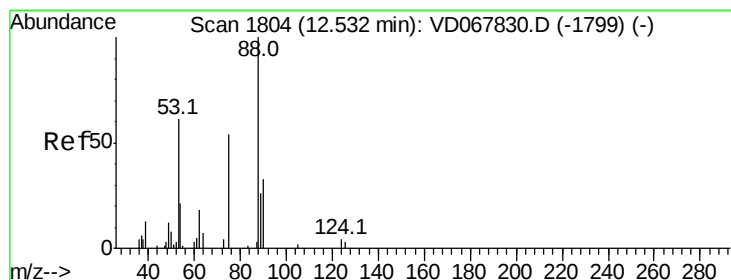
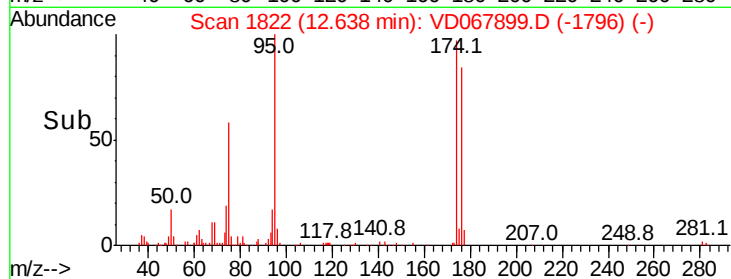
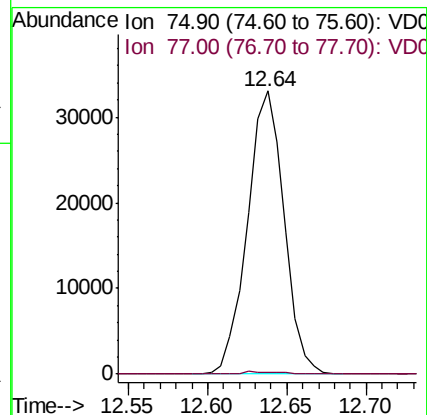
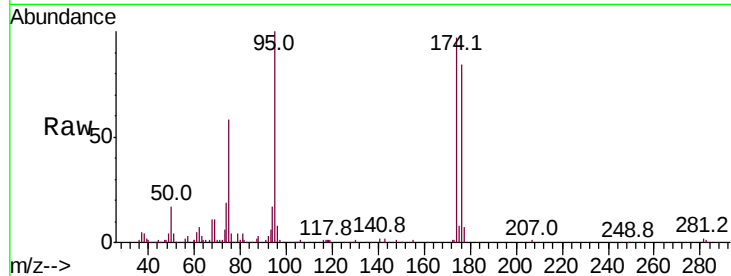
5S1-D-BOTTOM

Tot Ion: 75 Resp: 53078

Ion Ratio Lower Upper

75 100

77 0.8 175.9 527.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 210.703 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067899.D

Acq: 07 Dec 2020 15:04

Tgt Ion: 75 Resp: 53078

Ion Ratio Lower Upper

75 100

53 0.1 84.6 127.0#

89 0.0 41.0 61.6#

