

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120820\
 Data File : VD067908.D
 Acq On : 08 Dec 2020 11:53
 Operator : VA/SY
 Sample : L4966-01
 Misc : 5.63G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 239995

Quant Time: Dec 09 04:27:16 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	236351	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	329905	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	281399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	125166	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	106980	42.16	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	84.32%
35) Dibromofluoromethane	7.91	113	96739	43.82	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.64%
50) Toluene-d8	10.34	98	365450	45.99	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.98%
62) 4-Bromofluorobenzene	12.64	95	113797	41.42	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	82.84%

Target Compounds

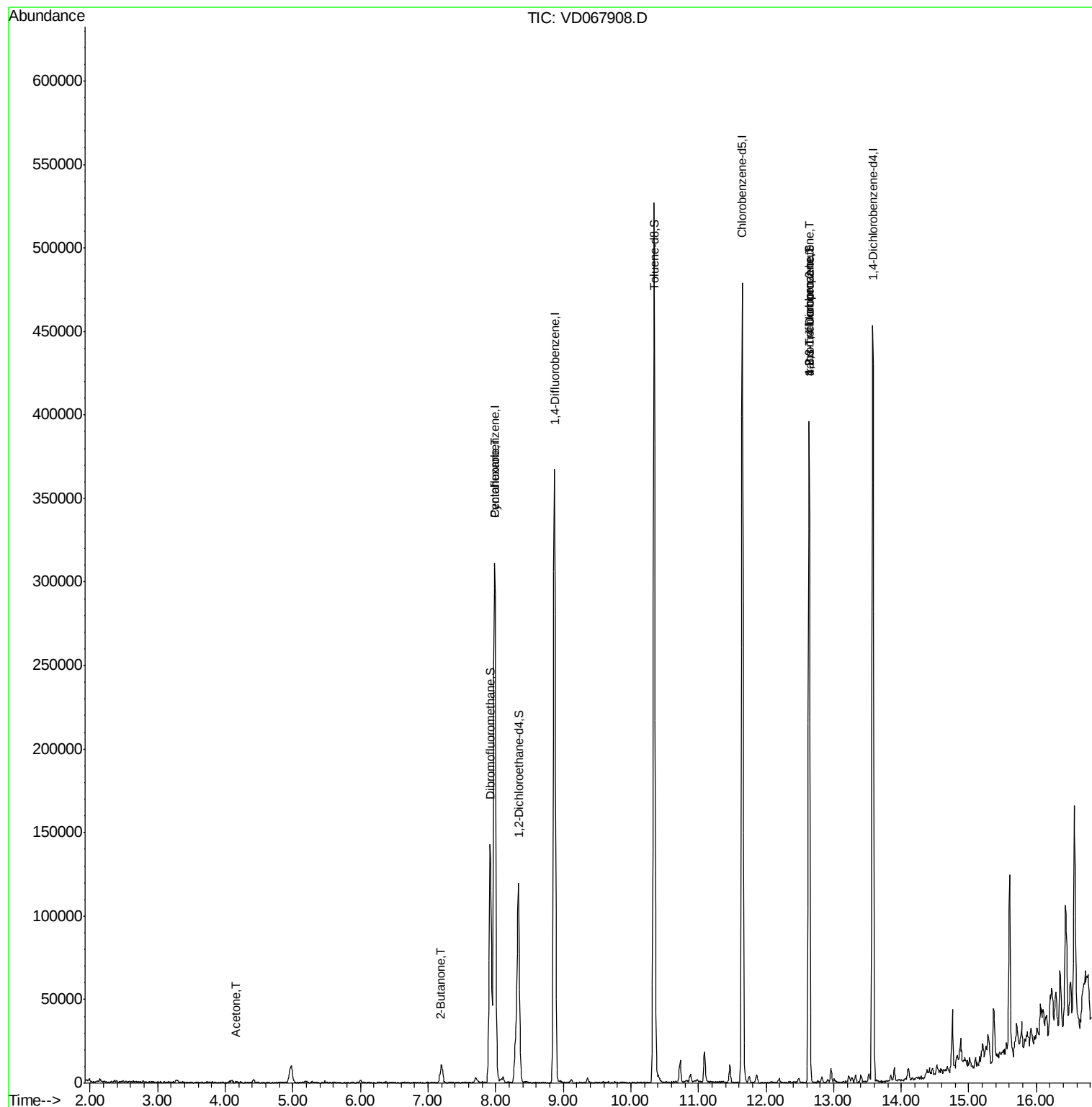
					Qvalue	
11) Tert butyl alcohol	5.17	59	691	Below Cal	#	74
16) Acetone	4.16	43	840	2.679	ug/l #	47
25) 2-Butanone	7.20	43	400	1.213	ug/l #	36
31) Cyclohexane	7.98	56	5241	1.961	ug/l #	36
76) 1,2,3-Trichloropropane	12.64	75	62953	69.066	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	62953	165.211	ug/l #	7

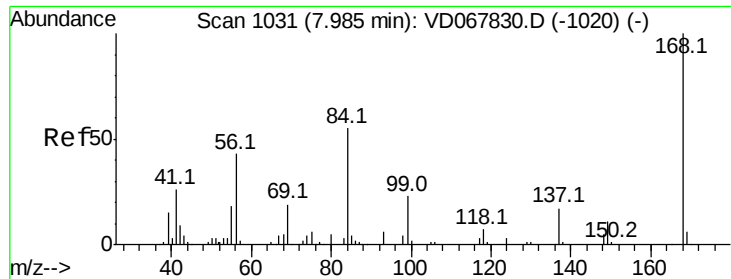
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067908.D

Acq: 08 Dec 2020 11:53

Instrument :

MSVOA_D

ClientSampleId :

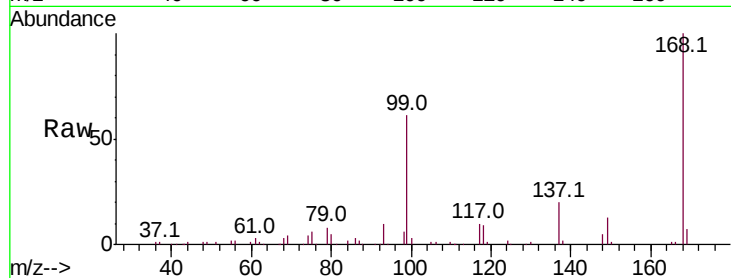
239995

Tot Ion:168 Resp: 236351

Ion Ratio Lower Upper

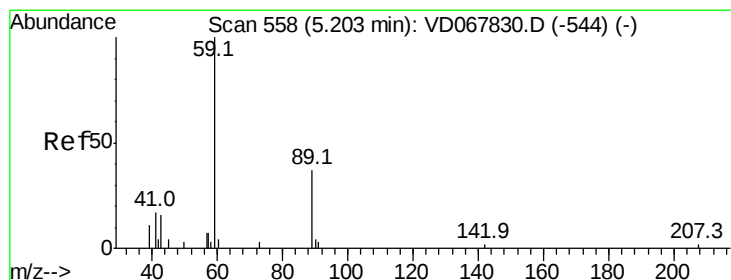
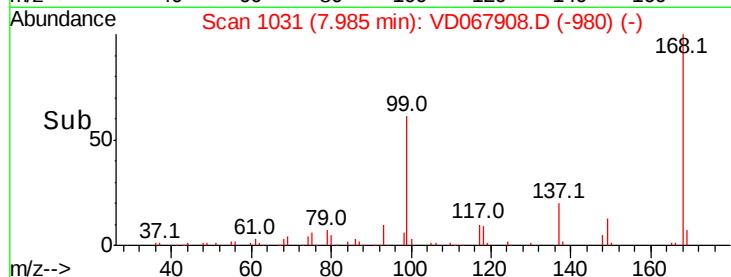
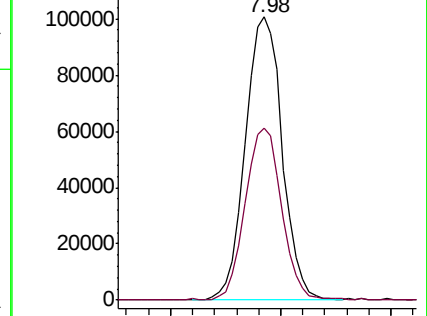
168 100

99 60.4 47.1 70.7



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: 5.17 min Scan# 553

Delta R.T. -0.03 min

Lab File: VD067908.D

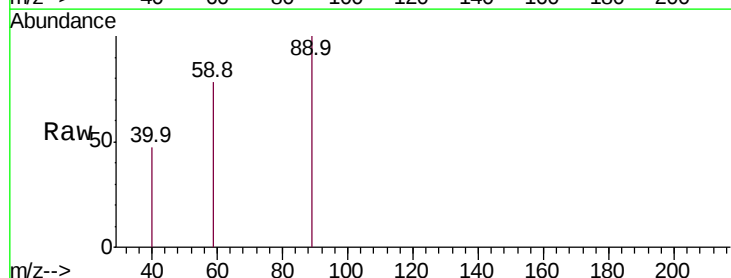
Acq: 08 Dec 2020 11:53

Tgt Ion: 59 Resp: 691

Ion Ratio Lower Upper

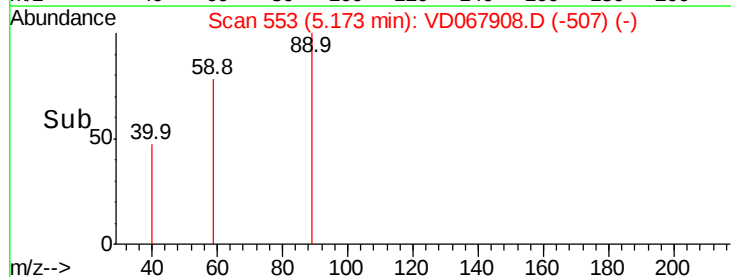
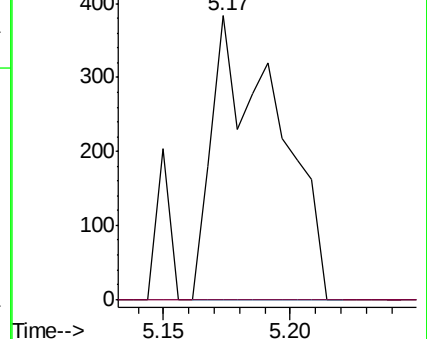
59 100

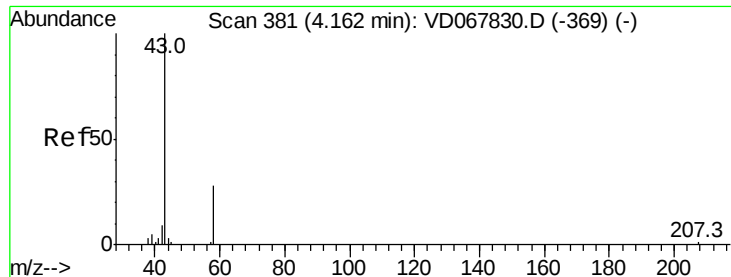
57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 2.679 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD067908.D

Acq: 08 Dec 2020 11:53

Instrument :

MSVOA_D

ClientSampleId :

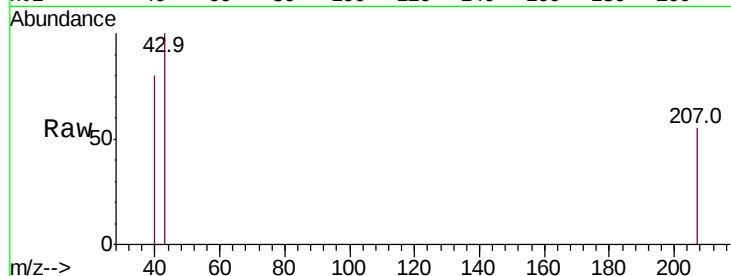
239995

Tot Ion: 43 Resp: 840

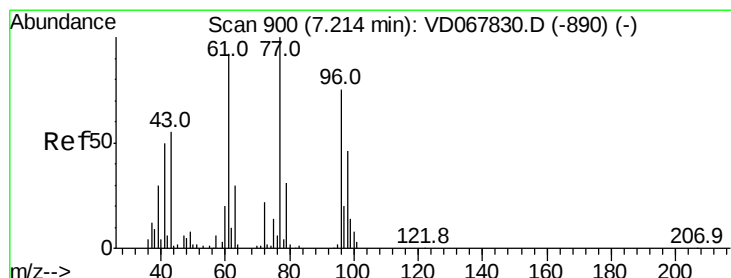
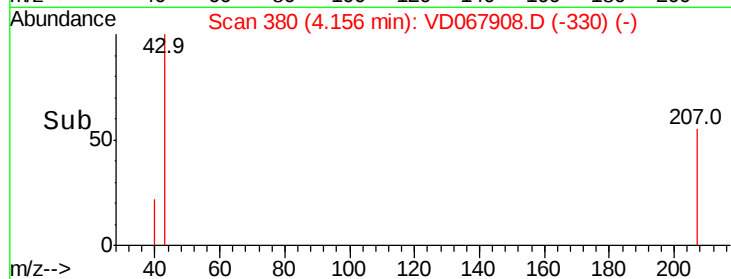
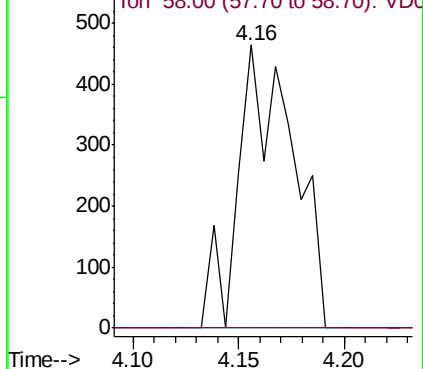
Ion Ratio Lower Upper

43 100

58 0.0 21.9 32.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC



#25

2-Butanone

Concen: 1.213 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.02 min

Lab File: VD067908.D

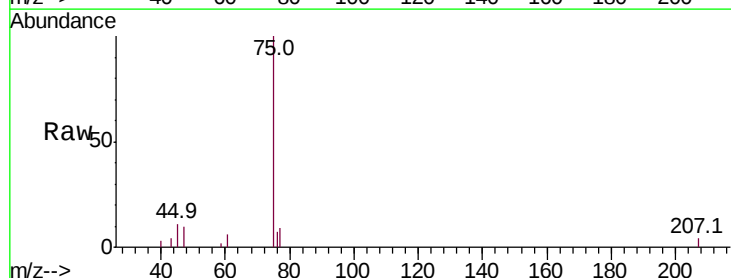
Acq: 08 Dec 2020 11:53

Tgt Ion: 43 Resp: 400

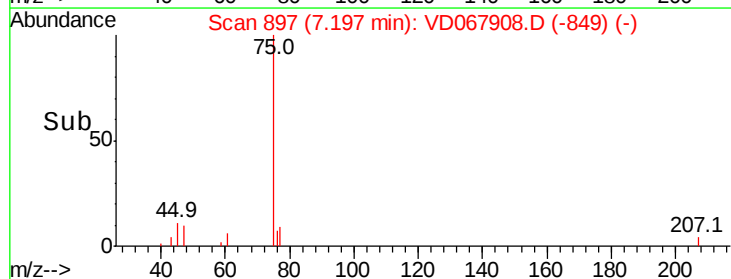
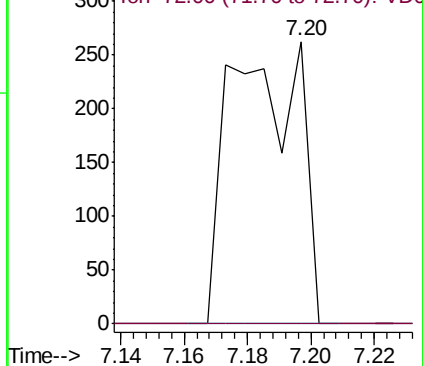
Ion Ratio Lower Upper

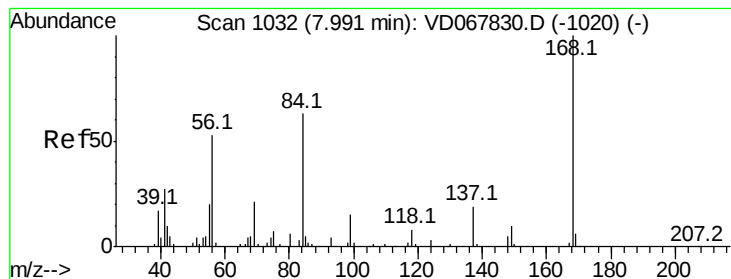
43 100

72 0.0 31.3 46.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC





#31

Cyclohexane

Concen: 1.961 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.01 min

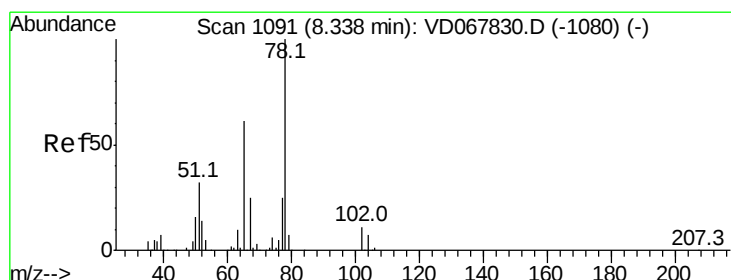
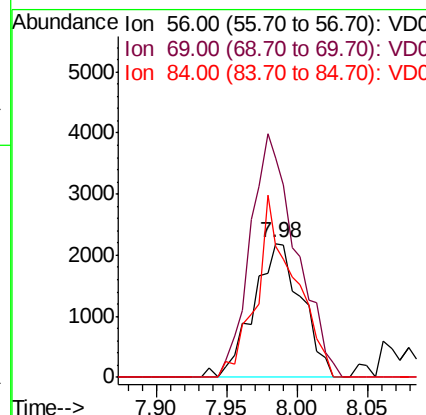
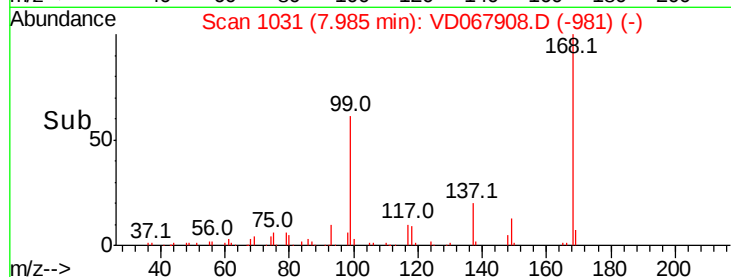
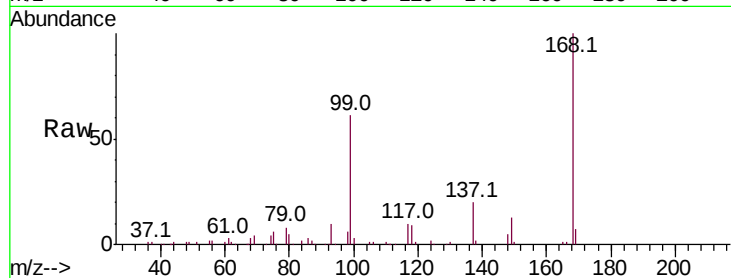
Lab File: VD067908.D

Acq: 08 Dec 2020 11:53

Instrument :
MSVOA_D
ClientSampleID :
239995

Tot Ion: 56 Resp: 5241

Ion	Ratio	Lower	Upper
56	100		
69	163.9	32.1	48.1#
84	97.6	93.2	139.8



#33

1,2-Dichloroethane-d4

Concen: 42.163 ug/l

RT: 8.34 min Scan# 1091

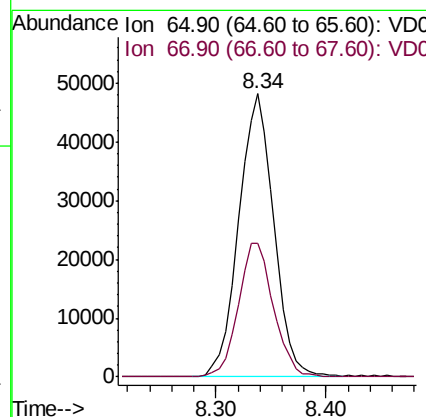
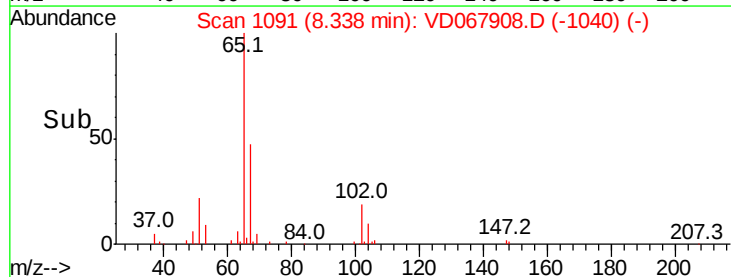
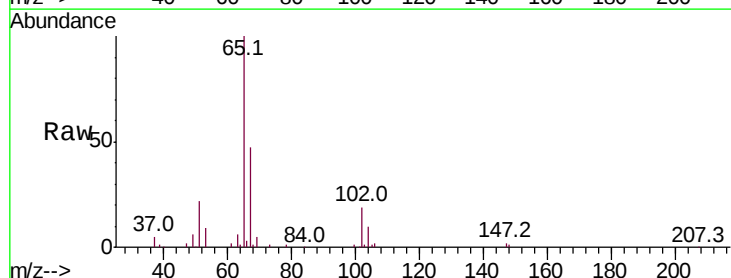
Delta R.T. 0.00 min

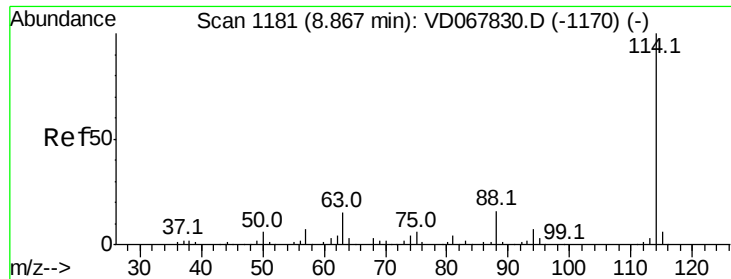
Lab File: VD067908.D

Acq: 08 Dec 2020 11:53

Tgt Ion: 65 Resp: 106980

Ion	Ratio	Lower	Upper
65	100		
67	47.5	0.0	92.0

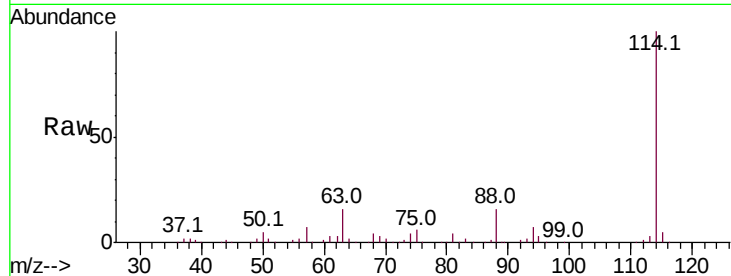




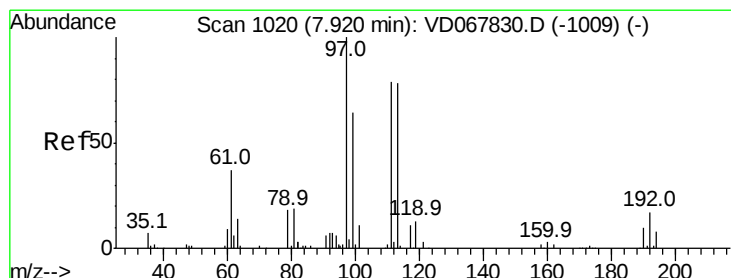
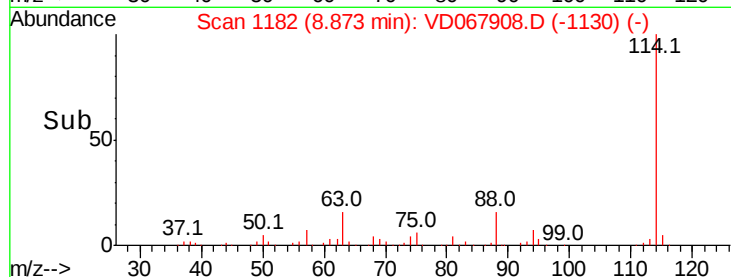
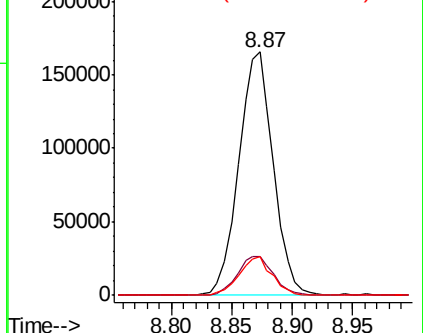
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD067908.D
 Acq: 08 Dec 2020 11:53

Instrument :
 MSVOA_D
 ClientSampleId :
 239995

Tot Ion	Ratio	Lower	Upper
114	100		
63	16.1	0.0	30.8
88	15.7	0.0	31.8

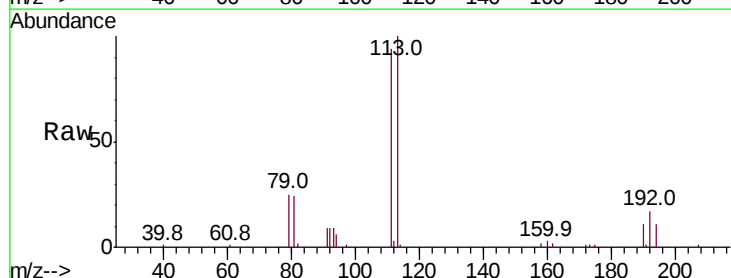


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

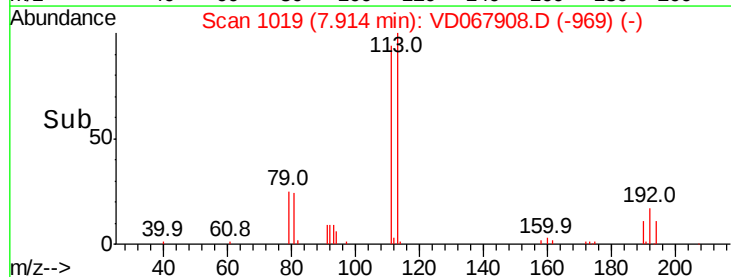
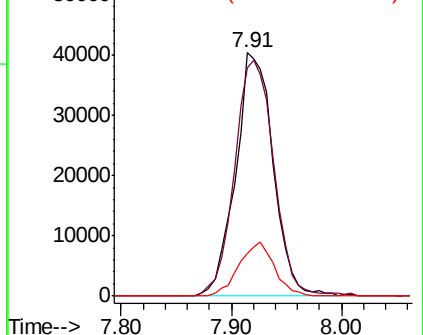


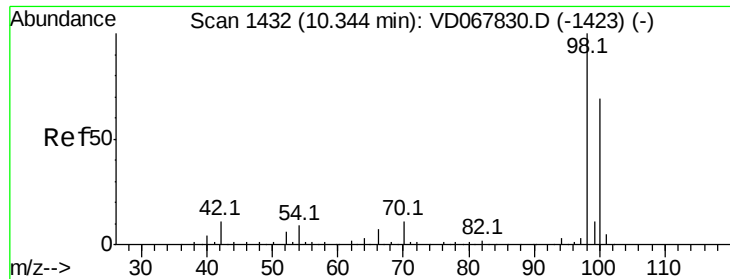
#35
 Dibromofluoromethane
 Concen: 43.822 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD067908.D
 Acq: 08 Dec 2020 11:53

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.2	121.8
192	20.8	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





#50

Toluene-d8

Concen: 45.987 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067908.D

Acq: 08 Dec 2020 11:53

Instrument :

MSVOA_D

ClientSampleId :

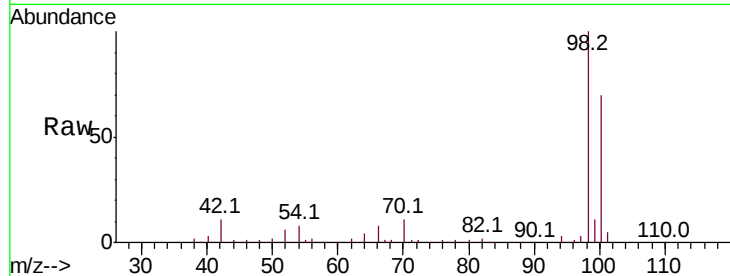
239995

Tot Ion: 98 Resp: 365450

Ion Ratio Lower Upper

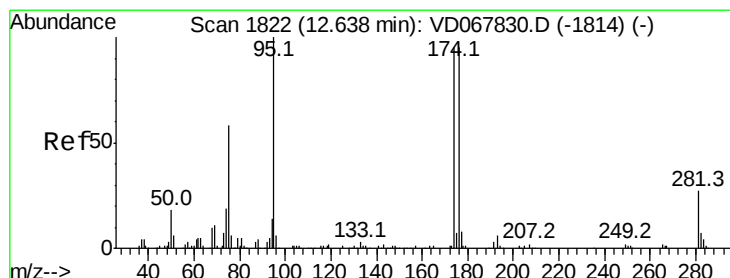
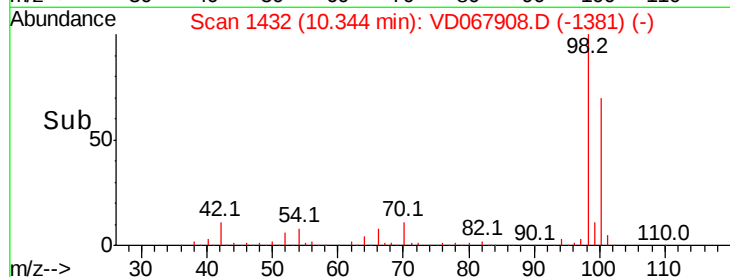
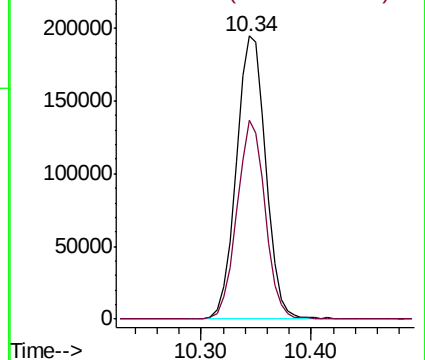
98 100

100 67.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 41.420 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067908.D

Acq: 08 Dec 2020 11:53

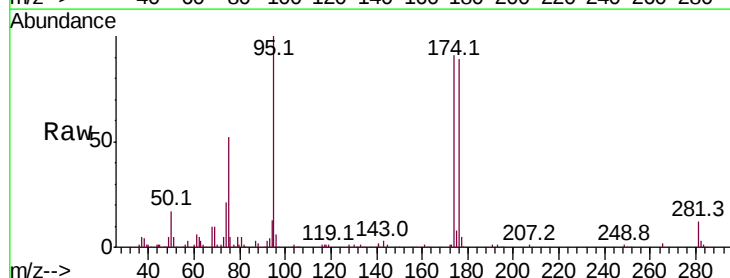
Tgt Ion: 95 Resp: 113797

Ion Ratio Lower Upper

95 100

174 96.1 0.0 186.0

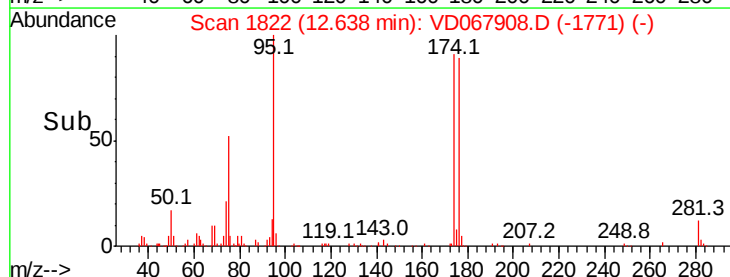
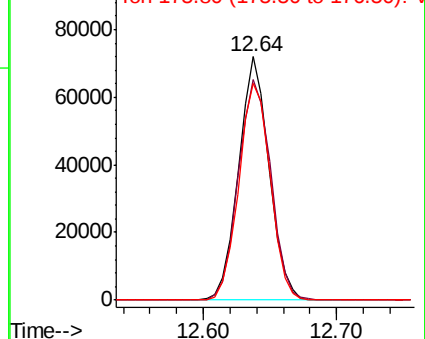
176 91.7 0.0 184.2

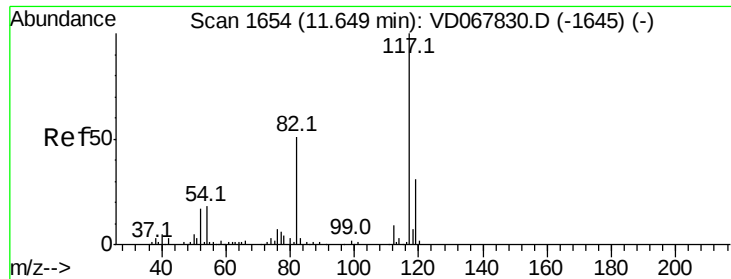


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

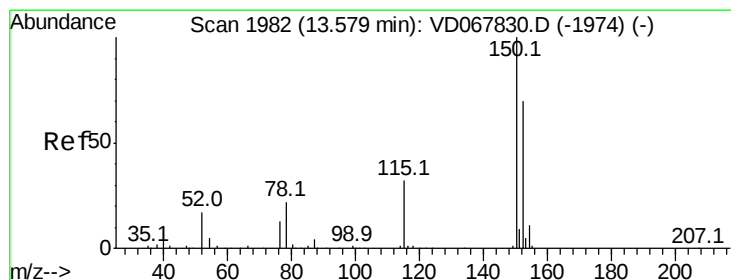
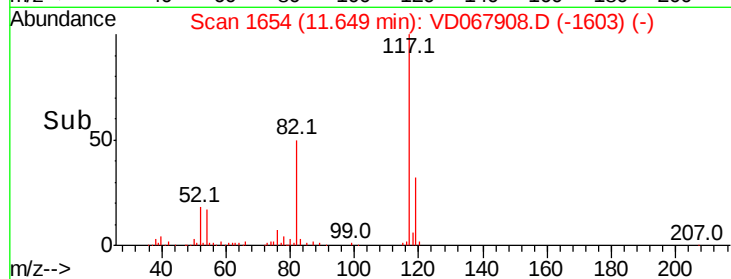
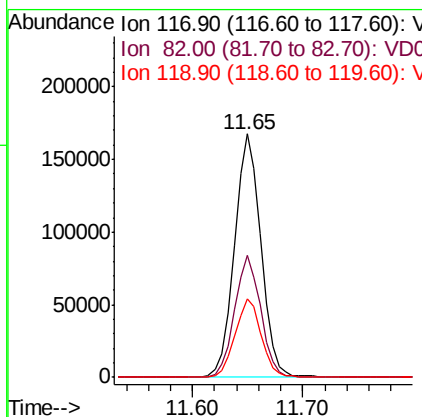
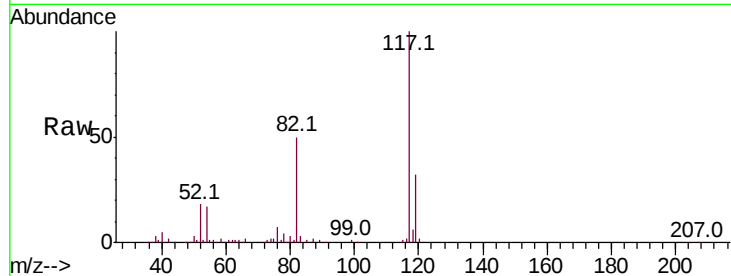




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067908.D
Acq: 08 Dec 2020 11:53

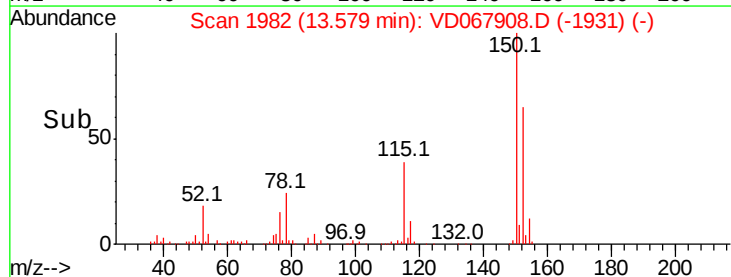
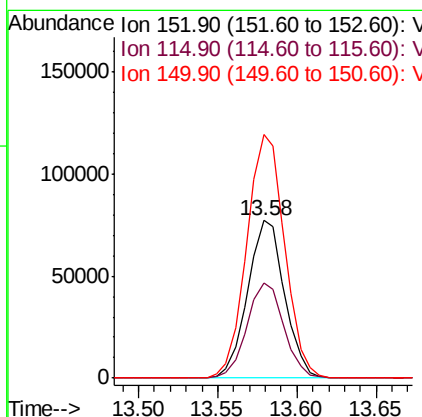
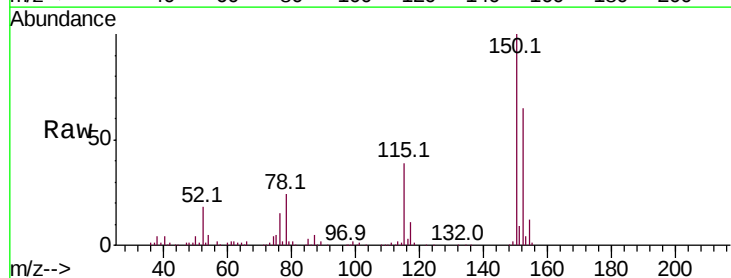
Instrument :
MSVOA_D
ClientSampleId :
239995

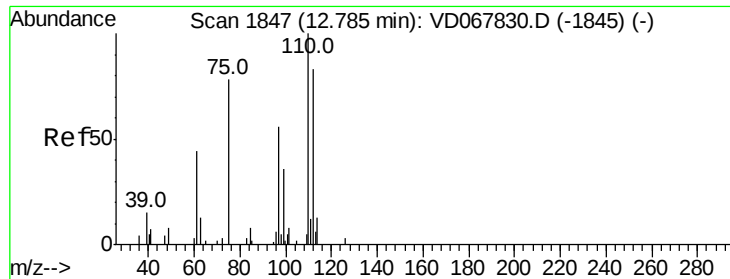
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.2	40.6	60.8
119	32.3	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067908.D
Acq: 08 Dec 2020 11:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.2	29.1	87.4
150	158.1	0.0	339.0





#76

1,2,3-Trichloropropane

Concen: 69.066 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067908.D

Acq: 08 Dec 2020 11:53

Instrument :

MSVOA_D

ClientSampleId :

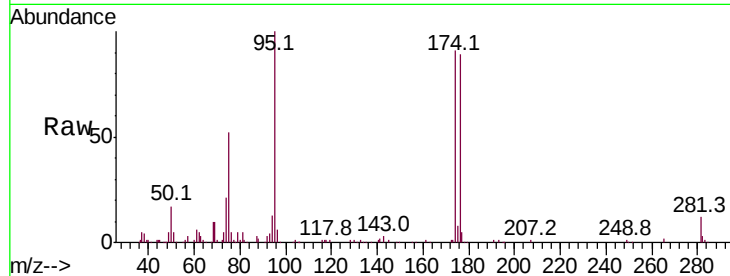
239995

Tot Ion: 75 Resp: 62953

Ion Ratio Lower Upper

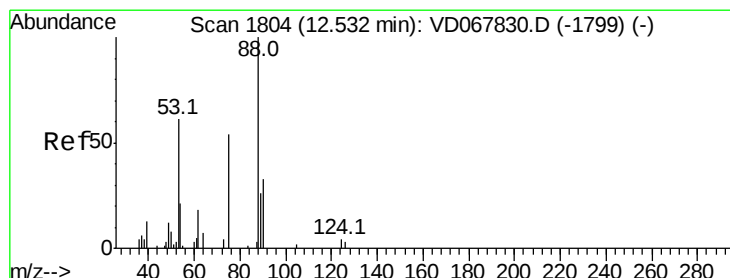
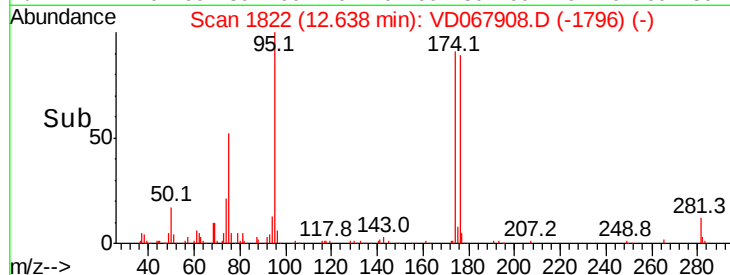
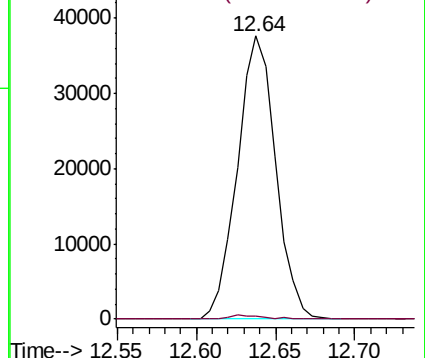
75 100

77 1.1 175.9 527.7#



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: 165.211 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067908.D

Acq: 08 Dec 2020 11:53

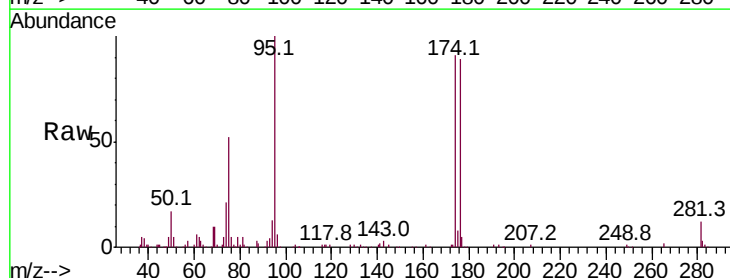
Tgt Ion: 75 Resp: 62953

Ion Ratio Lower Upper

75 100

53 0.0 84.6 127.0#

89 0.1 41.0 61.6#



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

