

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110920\
 Data File : VD067566.D
 Acq On : 09 Nov 2020 15:23
 Operator : VA/SY
 Sample : L4669-01RE
 Misc : 6.22G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 10 00:20:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	288720	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	469744	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	477014	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	230241	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	151494	60.01	ug/l	0.00
Spiked Amount			Recovery	=	120.02%	
35) Dibromofluoromethane	7.92	113	154650	54.64	ug/l	0.00
Spiked Amount			Recovery	=	109.28%	
50) Toluene-d8	10.34	98	561586	56.46	ug/l	0.00
Spiked Amount			Recovery	=	112.92%	
62) 4-Bromofluorobenzene	12.64	95	206471	60.13	ug/l	0.00
Spiked Amount			Recovery	=	120.26%	

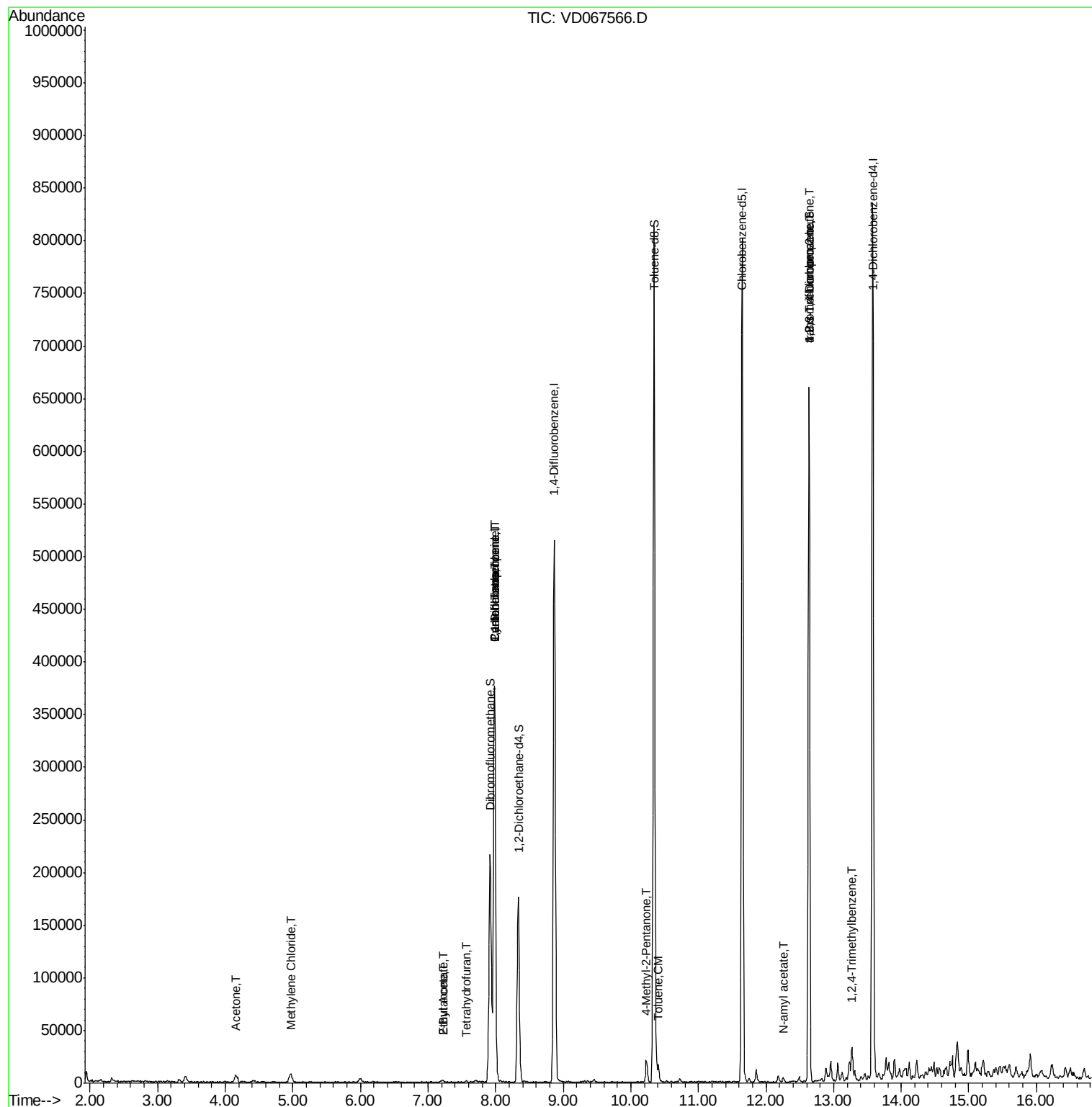
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.16	43	12871	34.070	ug/l #	88
20) Methylene Chloride	4.97	84	7142	2.676	ug/l #	75
25) 2-Butanone	7.22	43	2198	5.445	ug/l #	65
29) Tetrahydrofuran	7.58	42	310	1.282	ug/l #	23
31) Cyclohexane	7.99	56	5567	1.520	ug/l #	39
36) 1,1-Dichloropropene	7.98	75	19433	4.833	ug/l #	53
37) Ethyl Acetate	7.22	43	2198	2.106	ug/l #	63
38) Carbon Tetrachloride	7.98	117	28159	5.390	ug/l #	17
51) 4-Methyl-2-Pentanone	10.23	43	12696	12.858	ug/l	95
52) Toluene	10.40	92	7299	1.001	ug/l #	70
74) N-amyl acetate	12.26	43	2615	1.336	ug/l #	38
76) 1,2,3-Trichloropropane	12.64	75	104784	75.441	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	104784	153.166	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.27	105	16094	1.272	ug/l	99

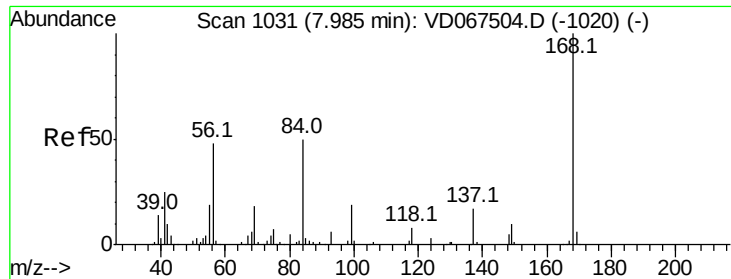
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067566.D

Acq: 09 Nov 2020 15:23

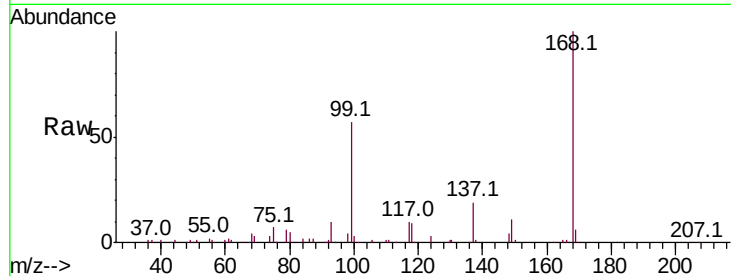
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 288720

Ion Ratio Lower Upper

168 100

99 57.4 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

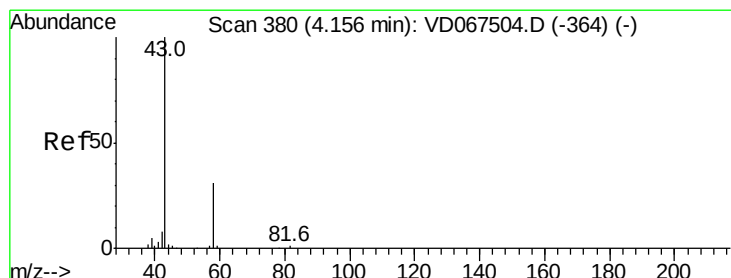
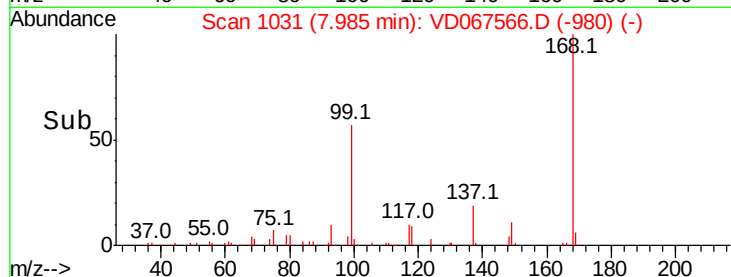
100000

50000

0

Time-->

7.90 8.00 8.10



#16

Acetone

Concen: 34.070 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067566.D

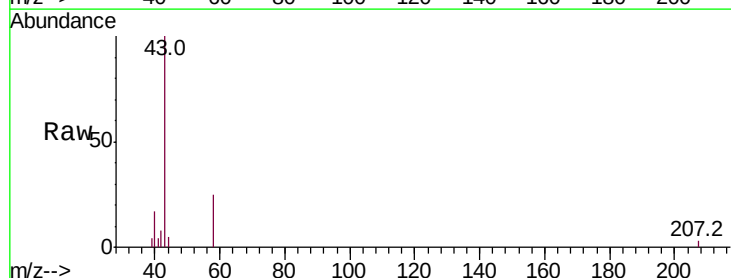
Acq: 09 Nov 2020 15:23

Tgt Ion: 43 Resp: 12871

Ion Ratio Lower Upper

43 100

58 24.9 25.2 37.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

5000

4000

3000

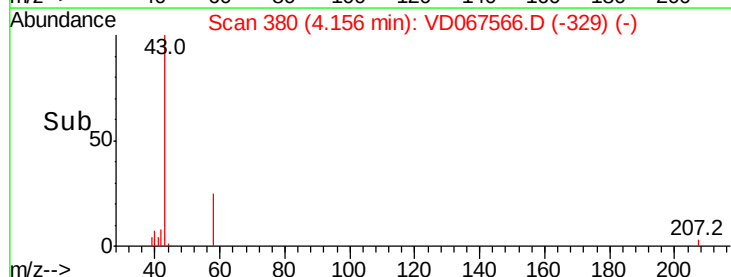
2000

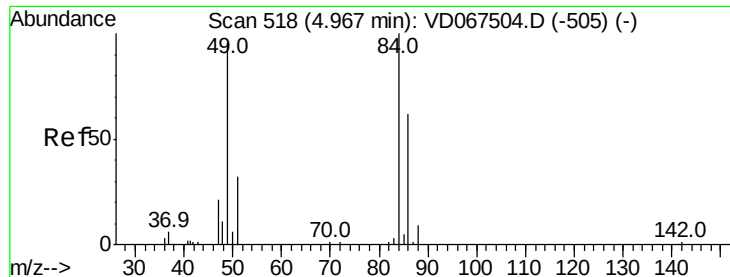
1000

0

Time-->

4.05 4.10 4.15 4.20

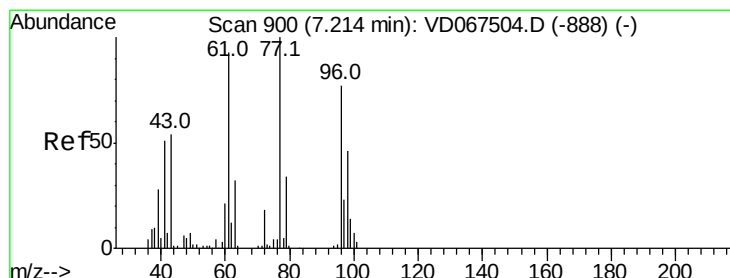
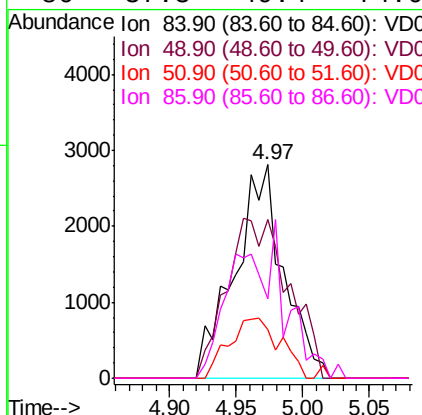
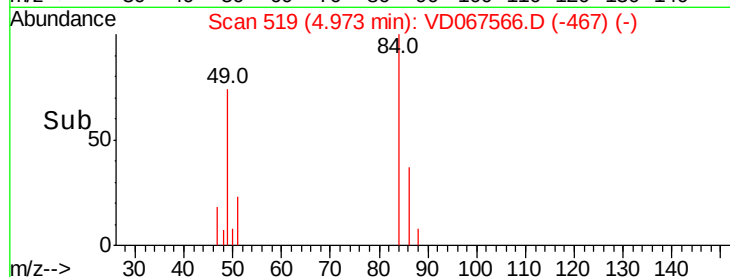
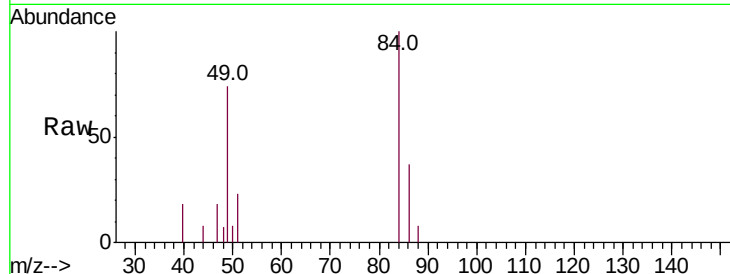




#20
Methvlene Chloride
Concen: 2.676 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067566.D
Acq: 09 Nov 2020 15:23

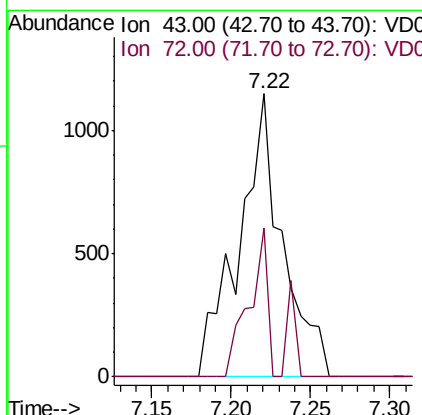
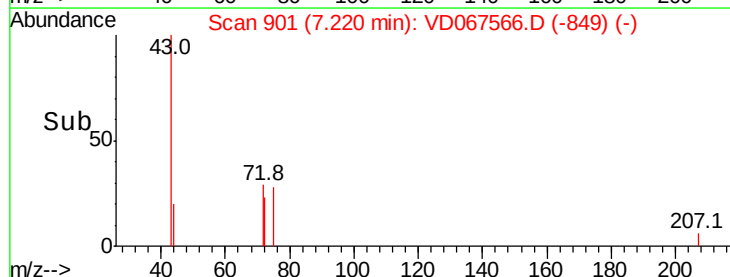
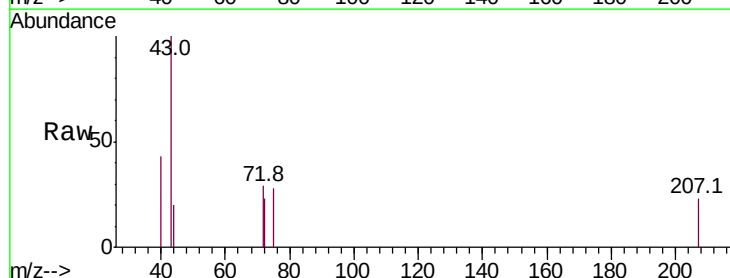
Instrument :
MSVOA_D
ClientSampleId :

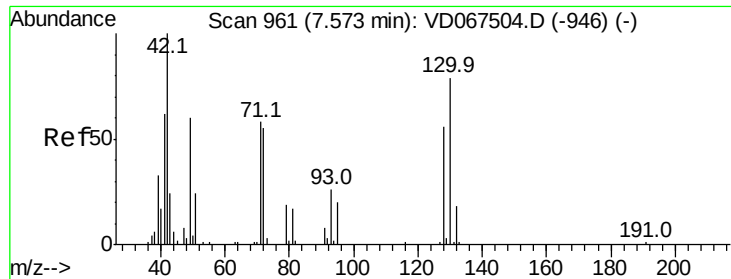
Tot Ion: 84 Resp: 7142
Ion Ratio Lower Upper
84 100
49 74.0 77.0 115.4#
51 22.7 25.4 38.2#
86 37.3 49.4 74.0#



#25
2-Butanone
Concen: 5.445 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067566.D
Acq: 09 Nov 2020 15:23

Tgt Ion: 43 Resp: 2198
Ion Ratio Lower Upper
43 100
72 52.6 26.4 39.6#





#29

Tetrahydrofuran

Concen: 1.282 ug/l

RT: 7.58 min Scan# 962

Delta R.T. 0.01 min

Lab File: VD067566.D

Acq: 09 Nov 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

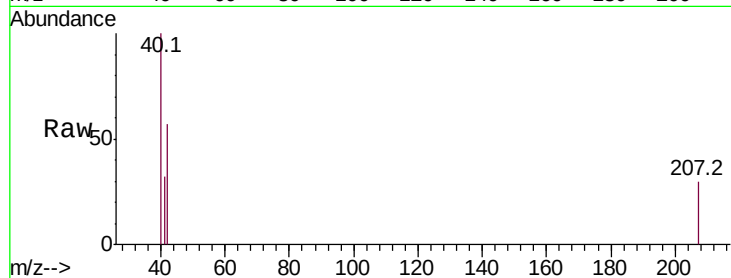
Tot Ion: 42 Resp: 310

Ion Ratio Lower Upper

42 100

72 0.0 46.3 69.5#

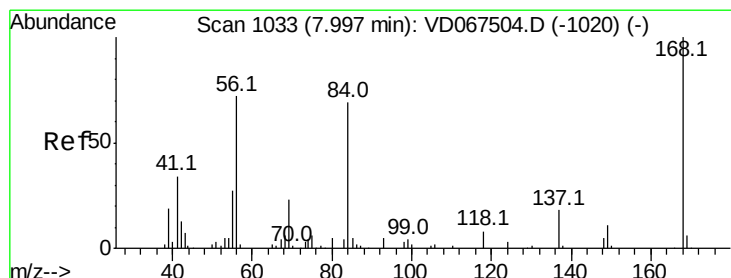
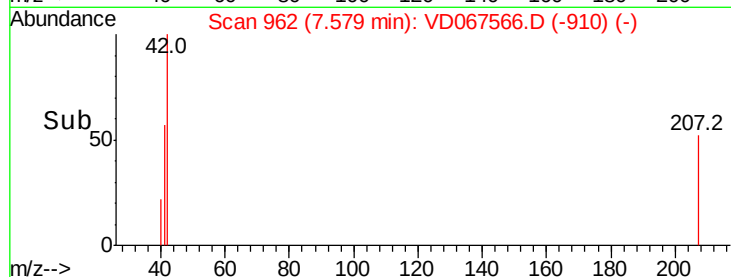
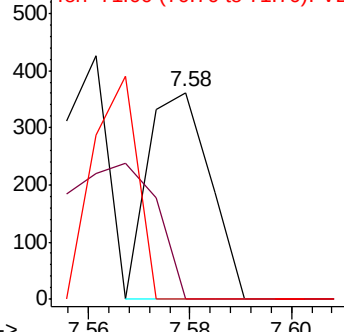
71 0.0 44.0 66.0#



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: 1.520 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.01 min

Lab File: VD067566.D

Acq: 09 Nov 2020 15:23

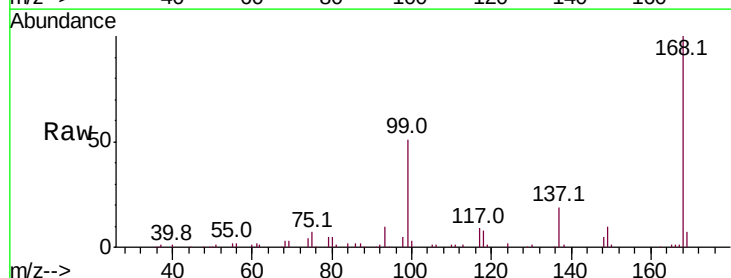
Tgt Ion: 56 Resp: 5567

Ion Ratio Lower Upper

56 100

69 154.4 25.9 38.9#

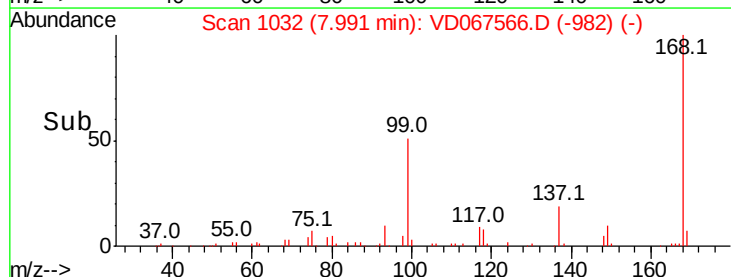
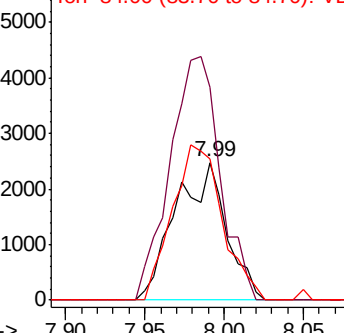
84 102.8 76.2 114.4

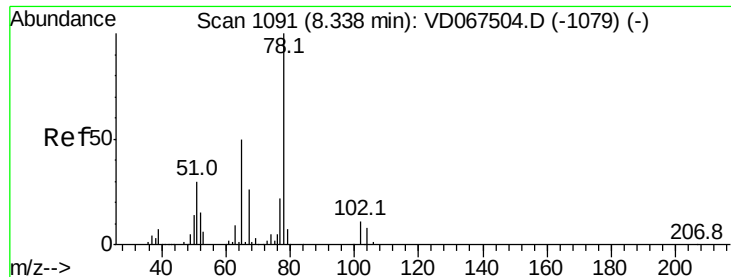


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

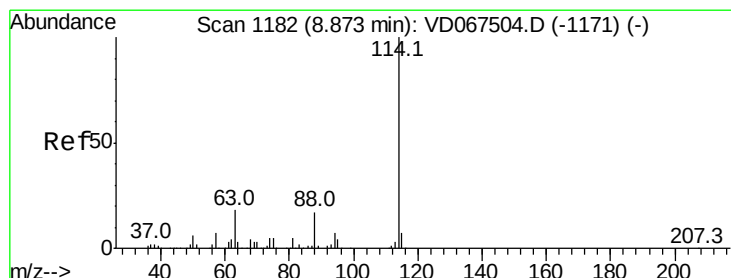
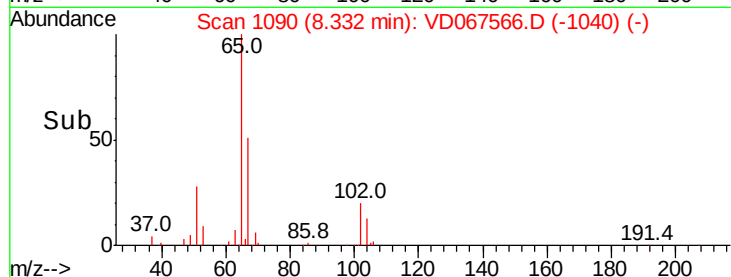
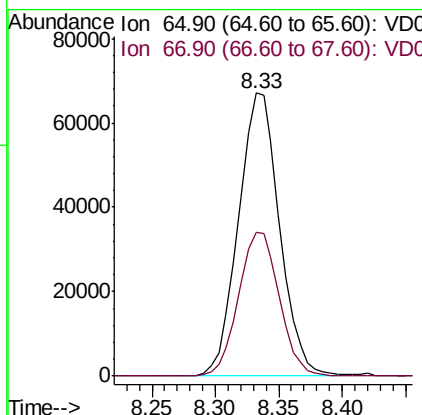
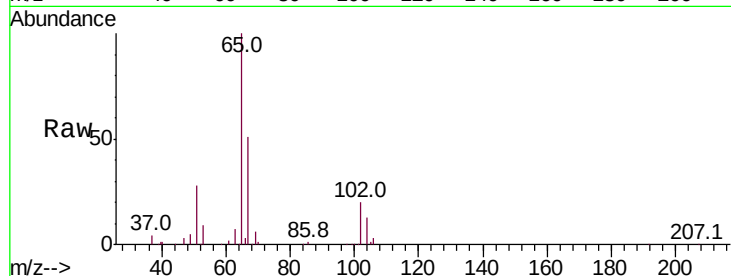




#33
 1,2-Dichloroethane-d4
 Concen: 60.009 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD067566.D
 Acq: 09 Nov 2020 15:23

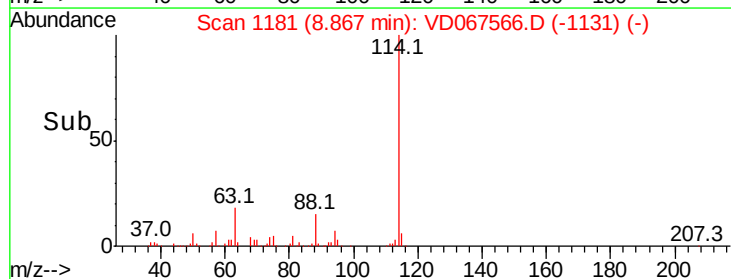
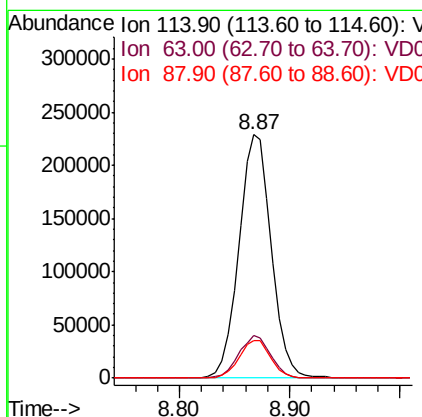
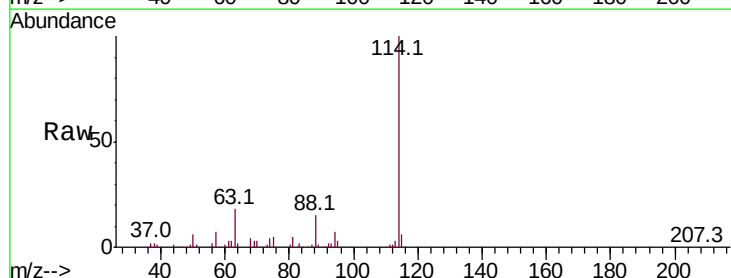
Instrument :
 MSVOA_D
 ClientSampleId :

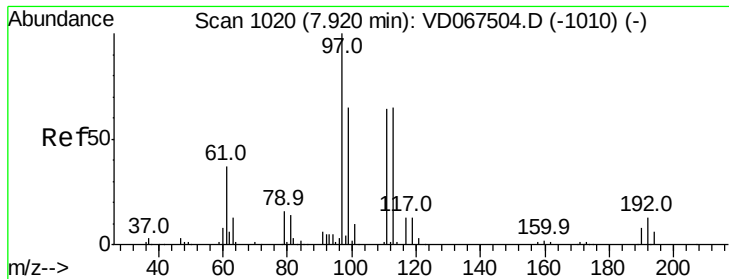
Tot Ion: 65 Resp: 151494
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VD067566.D
 Acq: 09 Nov 2020 15:23

Tgt Ion: 114 Resp: 469744
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 35.0
 88 15.5 0.0 33.0





#35

Dibromofluoromethane

Concen: 54.643 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD067566.D

Acq: 09 Nov 2020 15:23

Instrument :
MSVOA_D
ClientSampled :

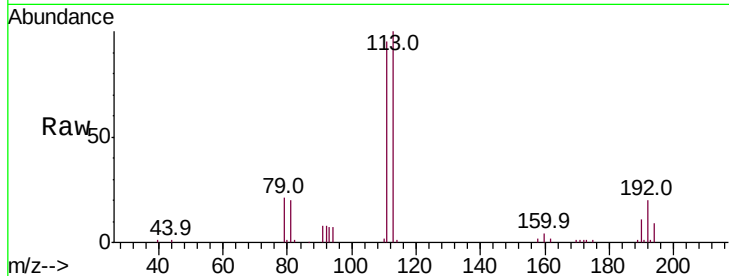
Tot Ion:113 Resp: 154650

Ion Ratio Lower Upper

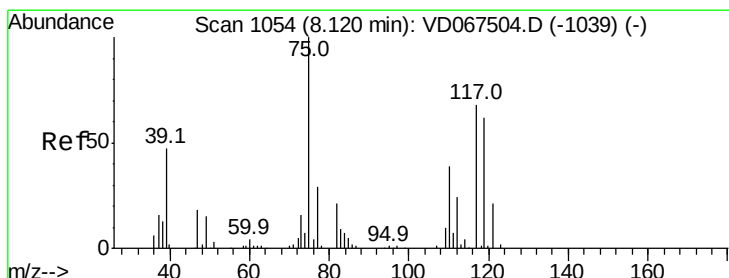
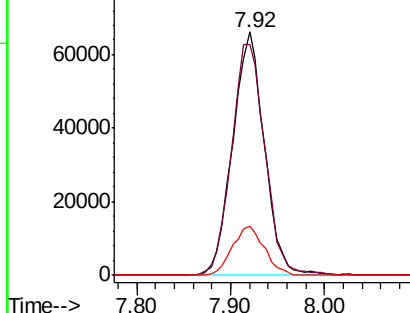
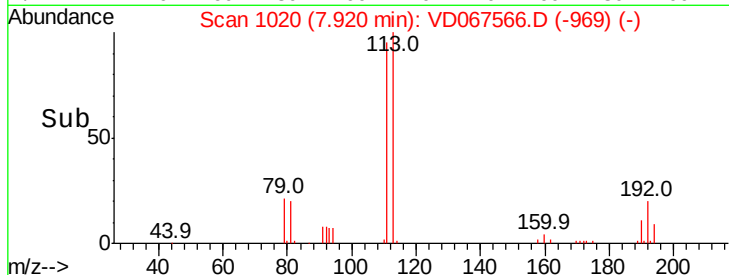
113 100

111 100.6 80.0 120.0

192 20.5 16.3 24.5



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: 4.833 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067566.D

Acq: 09 Nov 2020 15:23

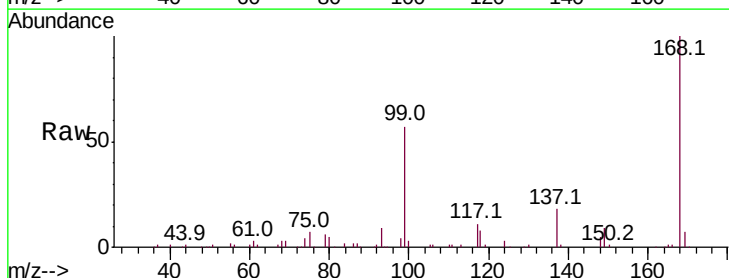
Tgt Ion: 75 Resp: 19433

Ion Ratio Lower Upper

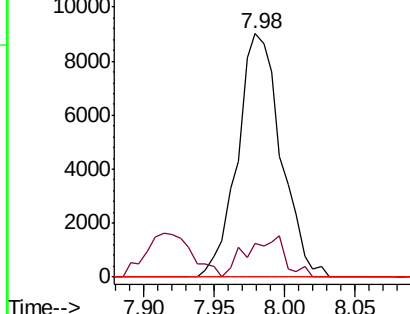
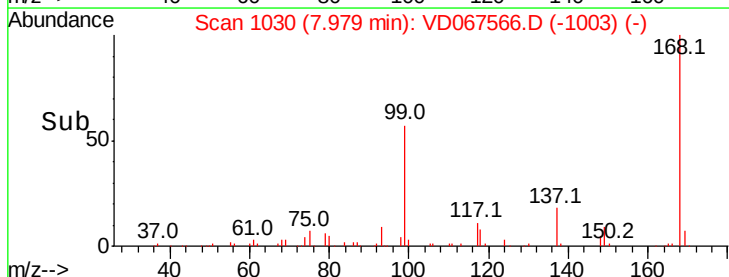
75 100

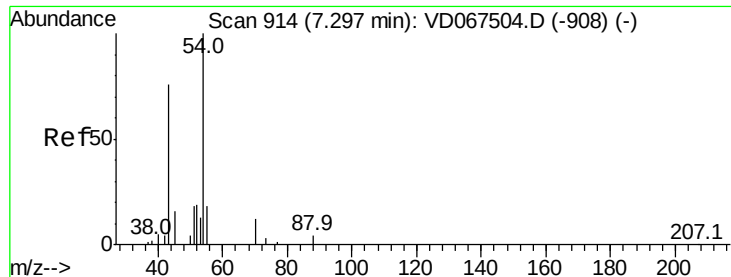
110 14.9 19.9 59.7#

77 0.0 24.8 37.2#



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





#37

Ethyl Acetate

Concen: 2.106 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.08 min

Lab File: VD067566.D

Acq: 09 Nov 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

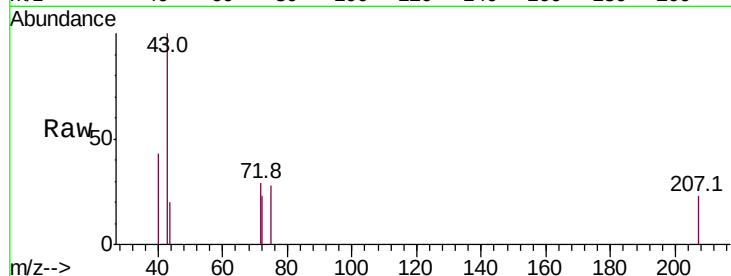
Tot Ion: 43 Resp: 2198

Ion Ratio Lower Upper

43 100

61 0.0 12.8 19.2#

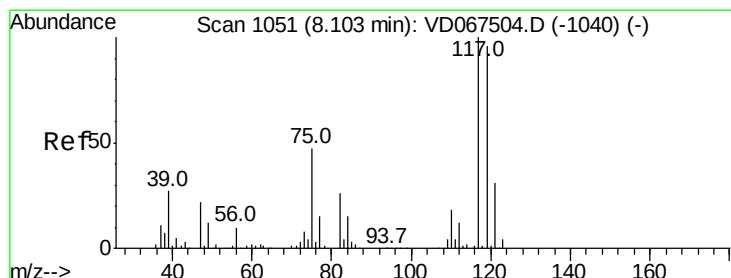
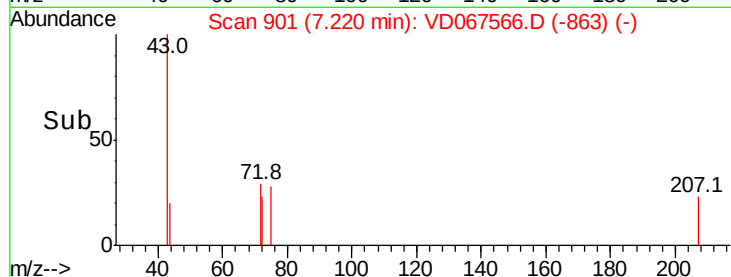
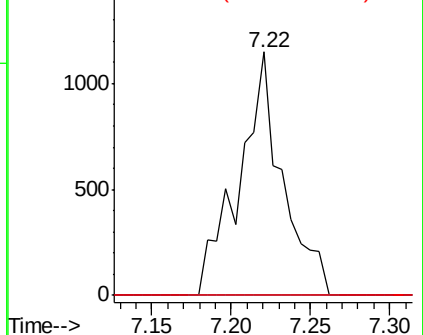
70 0.0 11.7 17.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 5.390 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067566.D

Acq: 09 Nov 2020 15:23

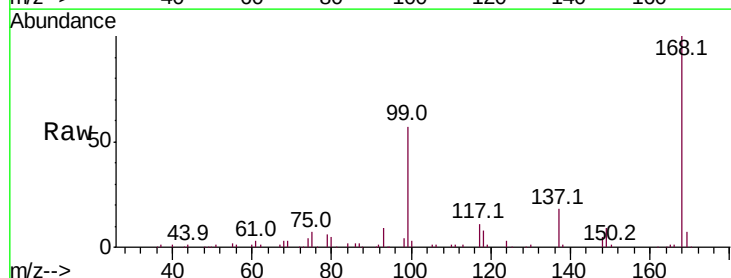
Tgt Ion: 117 Resp: 28159

Ion Ratio Lower Upper

117 100

119 6.3 76.9 115.3#

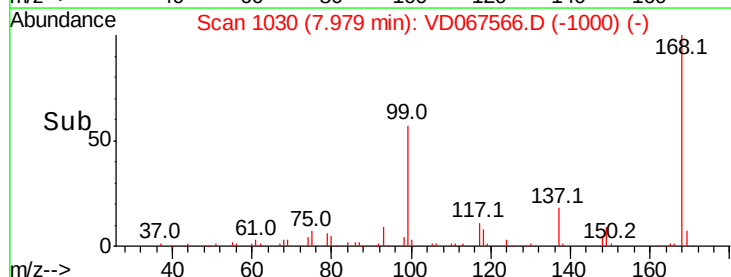
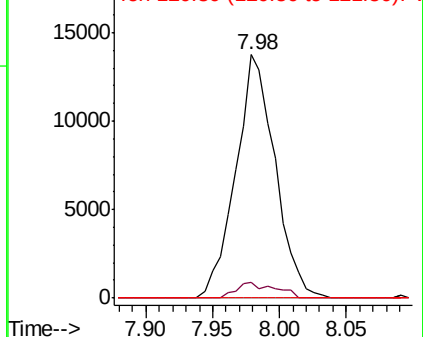
121 0.0 24.5 36.7#

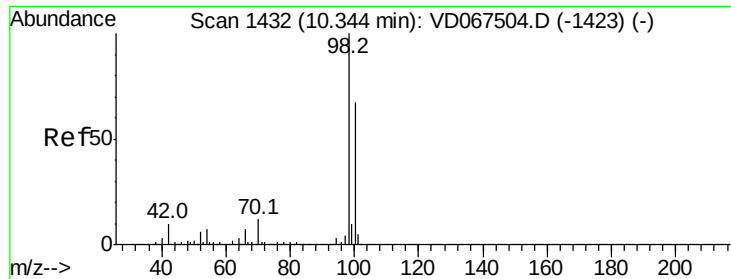


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

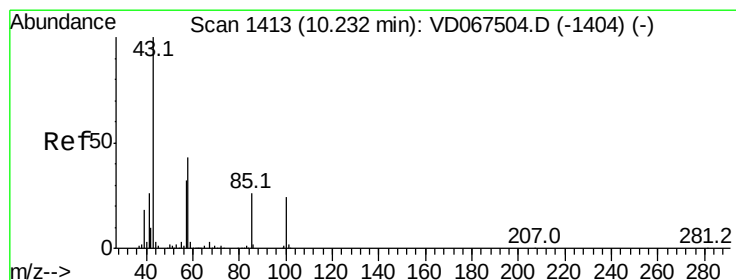
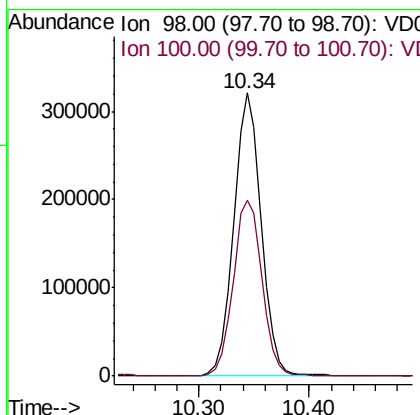
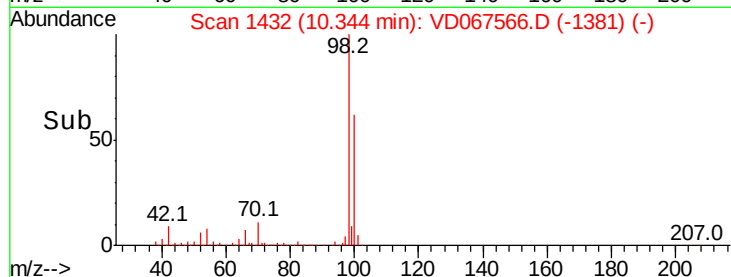
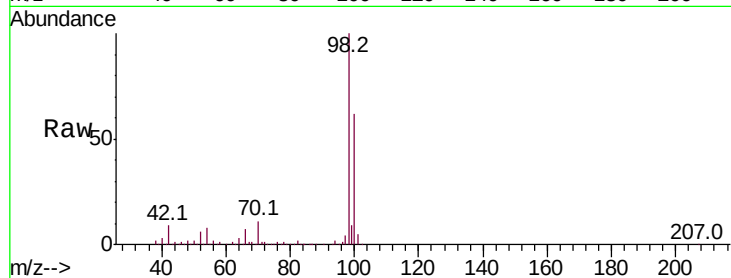




#50
Toluene-d8
Concen: 56.464 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067566.D
Acq: 09 Nov 2020 15:23

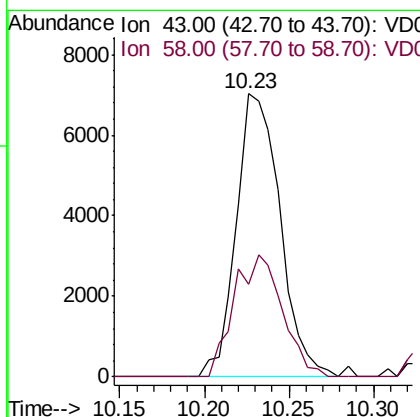
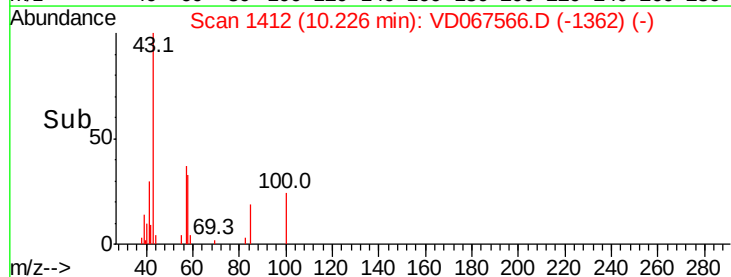
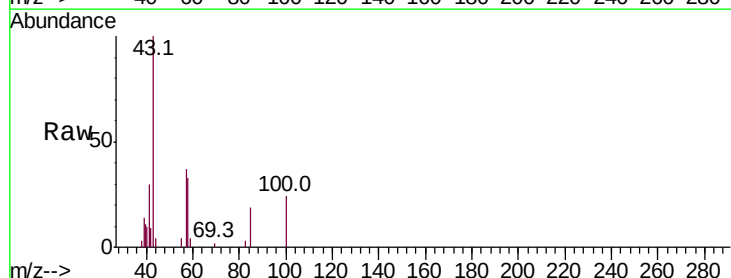
Instrument :
MSVOA_D
ClientSampleId :

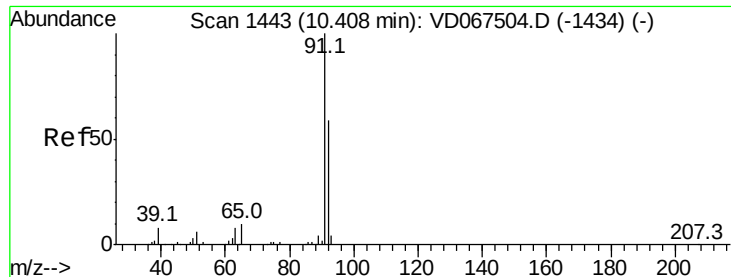
Tot Ion: 98 Resp: 561586
Ion Ratio Lower Upper
98 100
100 65.2 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 12.858 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. -0.01 min
Lab File: VD067566.D
Acq: 09 Nov 2020 15:23

Tgt Ion: 43 Resp: 12696
Ion Ratio Lower Upper
43 100
58 47.7 35.6 53.4





#52

Toluene

Concen: 1.001 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD067566.D

Acq: 09 Nov 2020 15:23

Instrument :

MSVOA_D

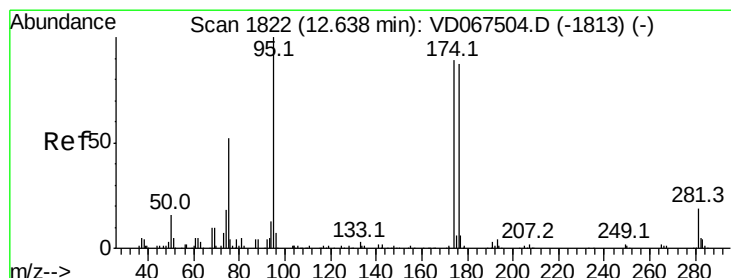
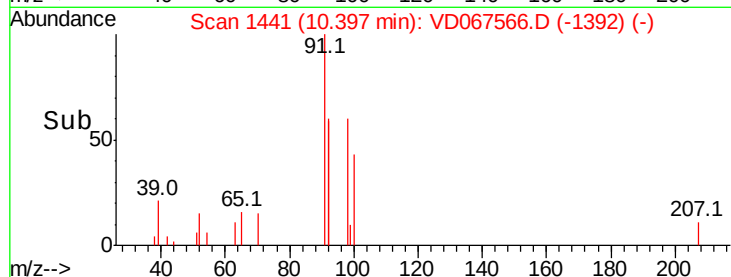
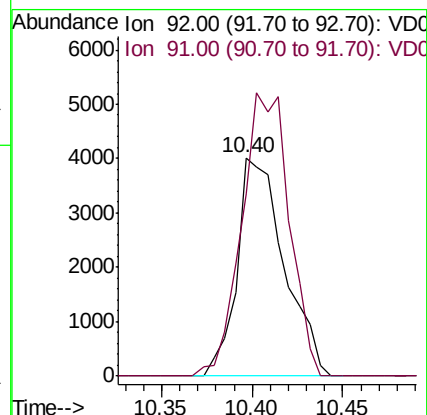
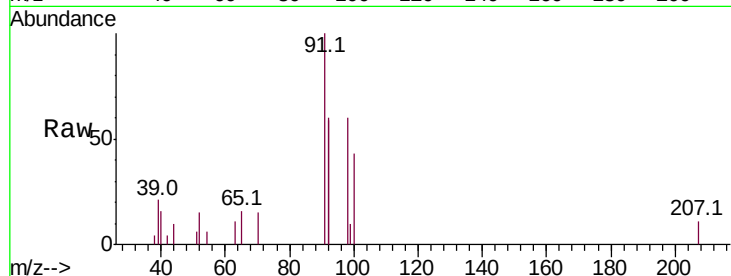
ClientSampleId :

Tot Ion: 92 Resp: 7299

Ion Ratio Lower Upper

92 100

91 130.1 137.0 205.6#



#62

4-Bromofluorobenzene

Concen: 60.129 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067566.D

Acq: 09 Nov 2020 15:23

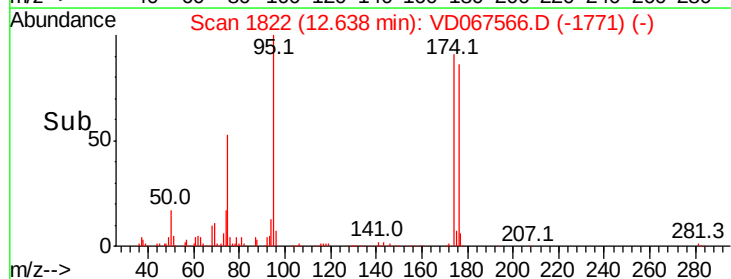
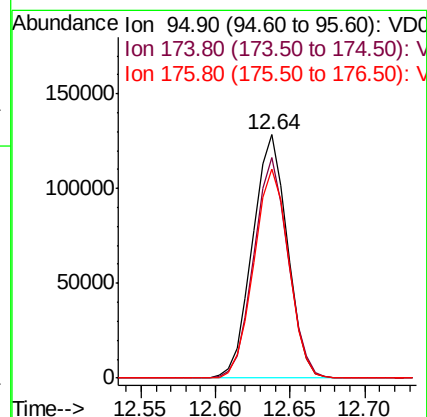
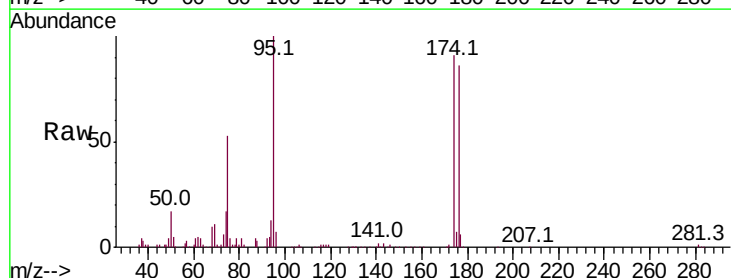
Tgt Ion: 95 Resp: 206471

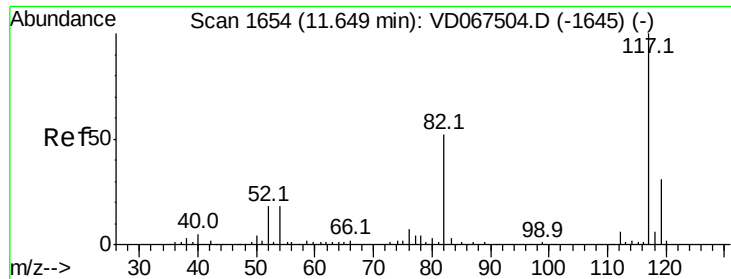
Ion Ratio Lower Upper

95 100

174 89.4 0.0 177.8

176 86.1 0.0 172.0

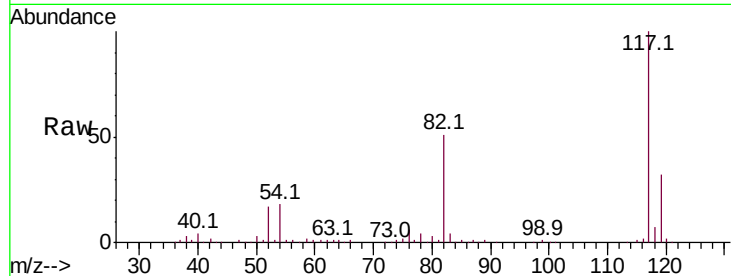




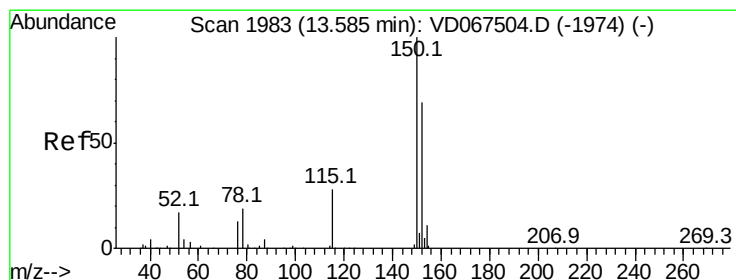
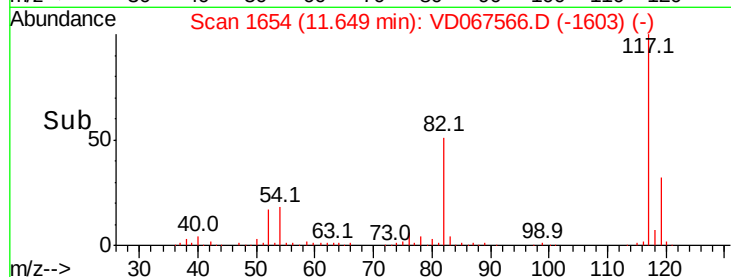
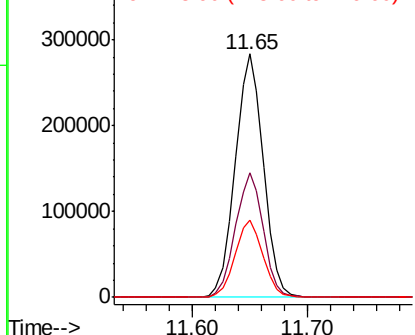
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067566.D
Acq: 09 Nov 2020 15:23

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 477014
Ion Ratio Lower Upper
117 100
82 51.2 41.6 62.4
119 31.9 25.1 37.7

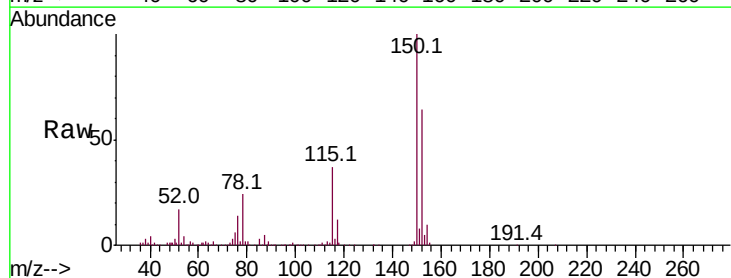


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

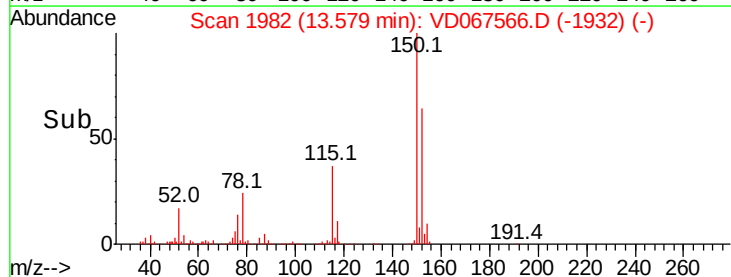
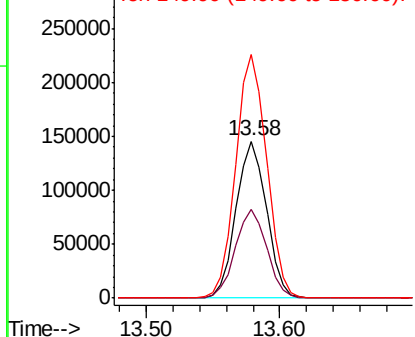


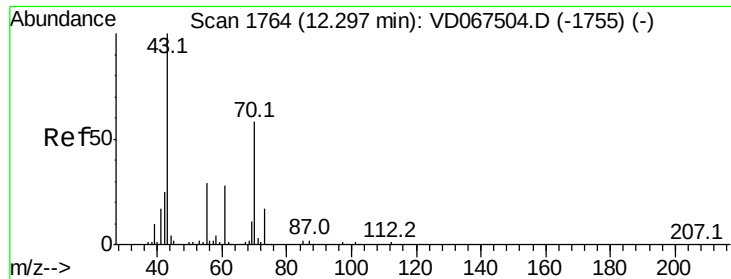
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067566.D
Acq: 09 Nov 2020 15:23

Tgt Ion:152 Resp: 230241
Ion Ratio Lower Upper
152 100
115 58.8 29.3 88.0
150 157.6 0.0 338.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

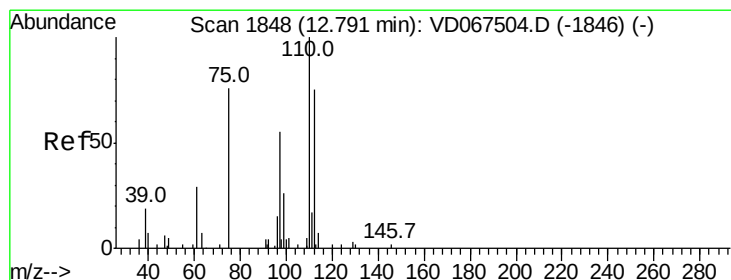
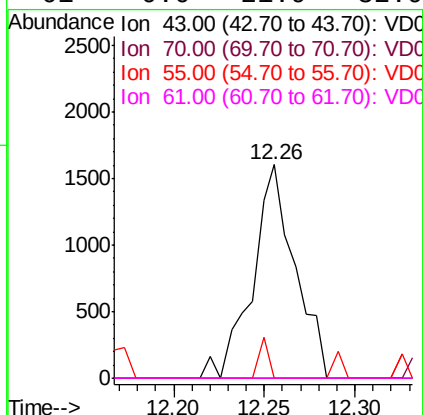
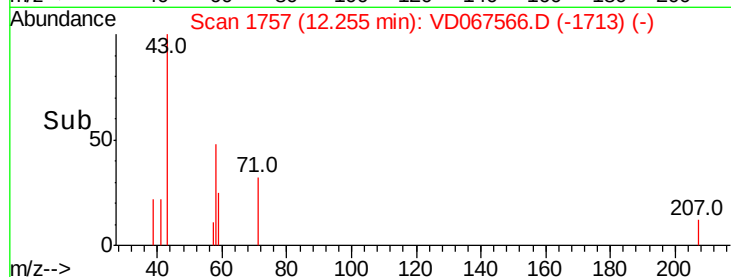
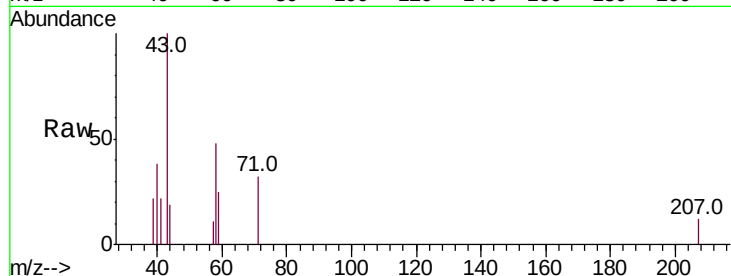




#74
N-amvl acetate
Concen: 1.336 ug/l
RT: 12.26 min Scan# 1757
Delta R.T. -0.04 min
Lab File: VD067566.D
Acq: 09 Nov 2020 15:23

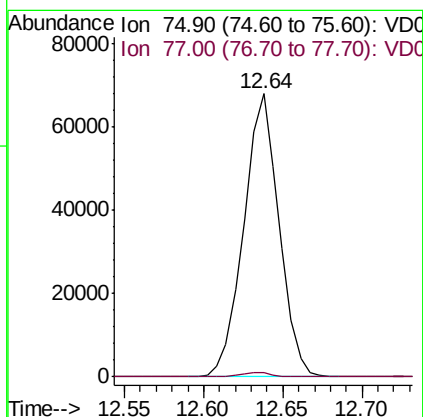
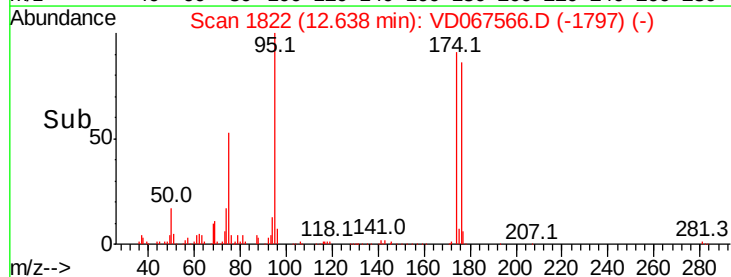
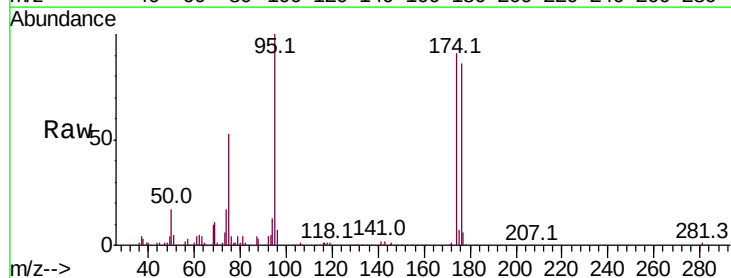
Instrument :
MSVOA_D
ClientSampleId :

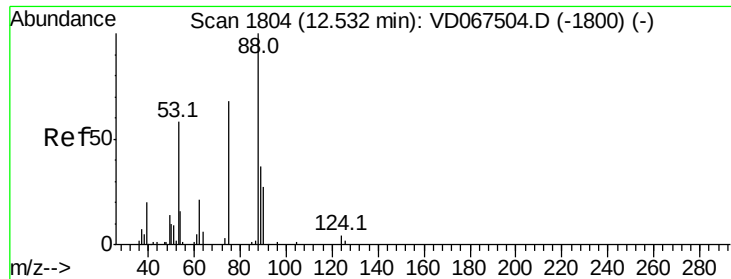
Tot Ion: 43 Resp: 2615
Ion Ratio Lower Upper
43 100
70 0.0 42.6 64.0#
55 4.2 23.7 35.5#
61 0.0 21.9 32.9#



#76
1,2,3-Trichloropropane
Concen: 75.441 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD067566.D
Acq: 09 Nov 2020 15:23

Tgt Ion: 75 Resp: 104784
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 153.166 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067566.D

Acq: 09 Nov 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

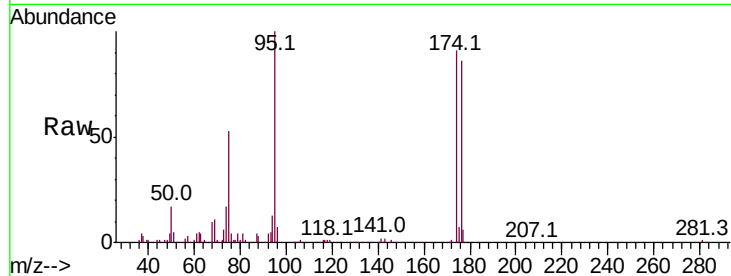
Tot Ion: 75 Resp: 104784

Ion Ratio Lower Upper

75 100

53 0.0 75.9 113.9#

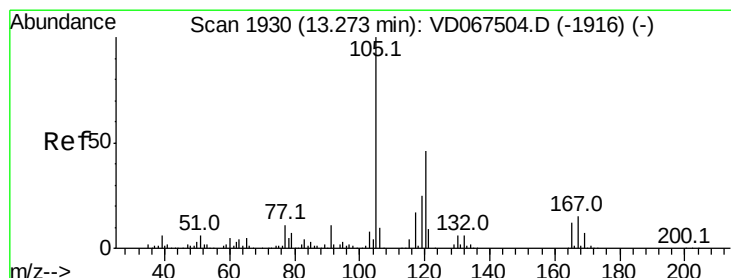
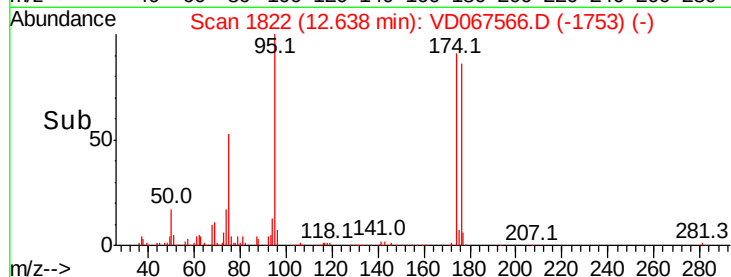
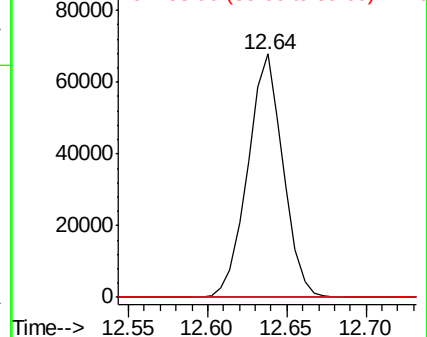
89 0.0 44.6 67.0#



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: 1.272 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD067566.D

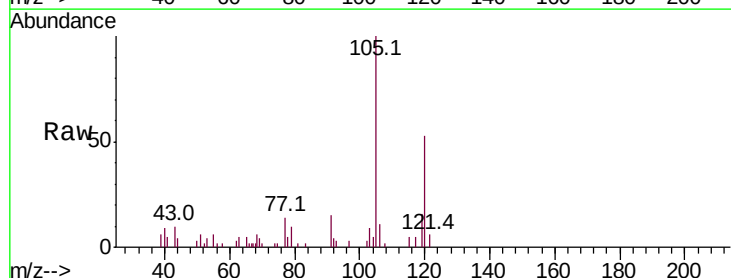
Acq: 09 Nov 2020 15:23

Tgt Ion: 105 Resp: 16094

Ion Ratio Lower Upper

105 100

120 45.0 22.1 66.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

