

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112520\
 Data File : VD067785.D
 Acq On : 25 Nov 2020 14:21
 Operator : VA/SY
 Sample : L4885-01
 Misc : 6.13G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-03-112420

Quant Time: Nov 26 00:24:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:51:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	11149	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	15848	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	18250	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	10235	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	7211	66.52	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	133.04%
35) Dibromofluoromethane	7.91	113	4371	43.34	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.68%
50) Toluene-d8	10.34	98	18170	49.28	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.56%
62) 4-Bromofluorobenzene	12.63	95	7918	62.82	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	125.64%

Target Compounds

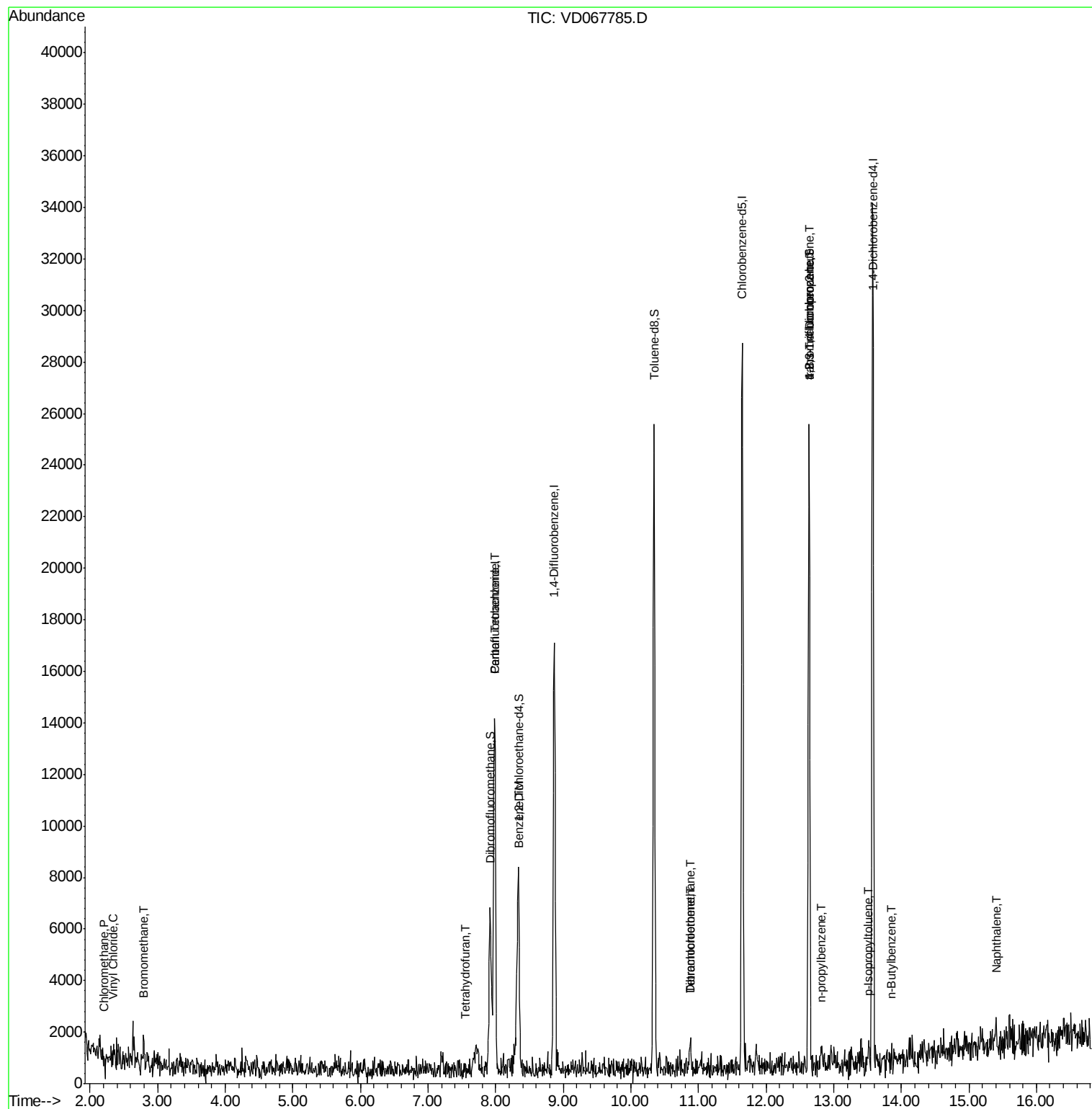
					Qvalue	
3) Chloromethane	2.20	50	105	1.944	ug/l #	40
4) Vinyl Chloride	2.34	62	91	1.344	ug/l #	41
5) Bromomethane	2.80	94	456	7.908	ug/l #	3
29) Tetrahydrofuran	7.56	42	67	7.499	ug/l #	21
38) Carbon Tetrachloride	7.98	117	1243	6.305	ug/l #	12
40) Benzene	8.35	78	471	1.261	ug/l #	54
60) Dibromochloromethane	10.88	129	138	1.294	ug/l #	11
64) Tetrachloroethene	10.88	164	233	1.645	ug/l #	55
76) 1,2,3-Trichloropropane	12.64	75	3994	55.991	ug/l #	100
78) n-propylbenzene	12.81	91	851	1.136	ug/l #	50
81) trans-1,4-Dichloro-2-buten	12.64	75	3994	130.958	ug/l #	11
86) p-Isopropyltoluene	13.51	119	685	1.070	ug/l #	58
89) n-Butylbenzene	13.86	91	552	1.006	ug/l #	32
95) Naphthalene	15.41	128	1447	4.493	ug/l #	69

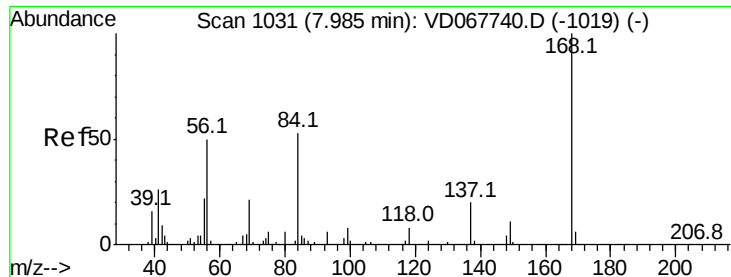
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 26 00:24:44 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 24 00:51:35 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD067785.D

Acq: 25 Nov 2020 14:21

Instrument :

MSVOA_D

ClientSampleId :

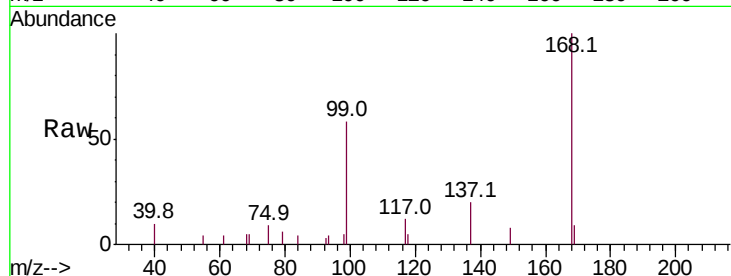
OK-03-112420

Tot Ion:168 Resp: 11149

Ion Ratio Lower Upper

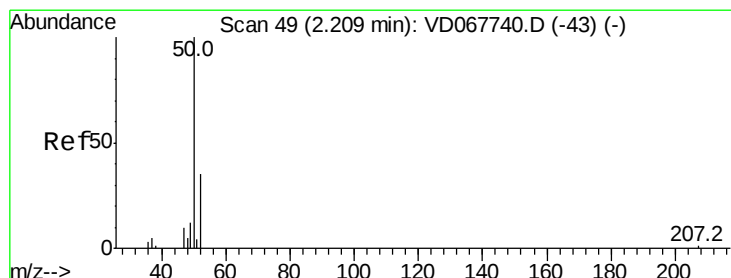
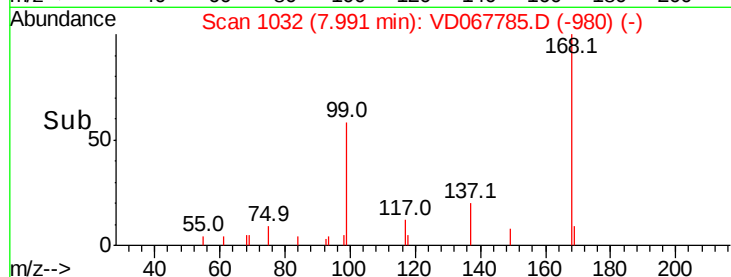
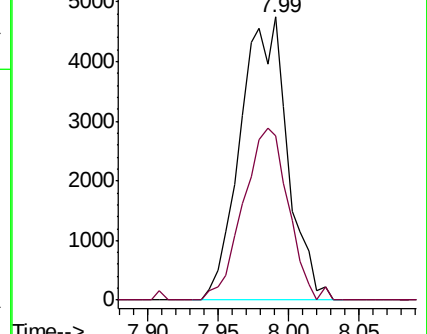
168 100

99 58.1 43.8 65.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#3

Chloromethane

Concen: 1.944 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD067785.D

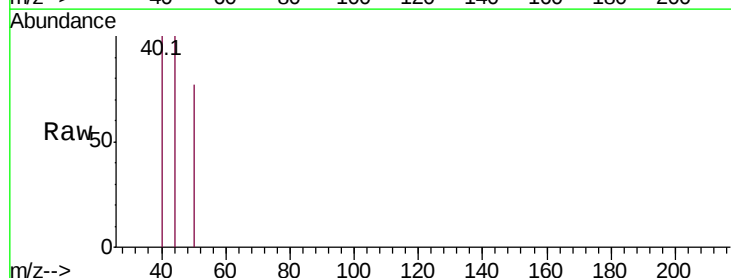
Acq: 25 Nov 2020 14:21

Tgt Ion: 50 Resp: 105

Ion Ratio Lower Upper

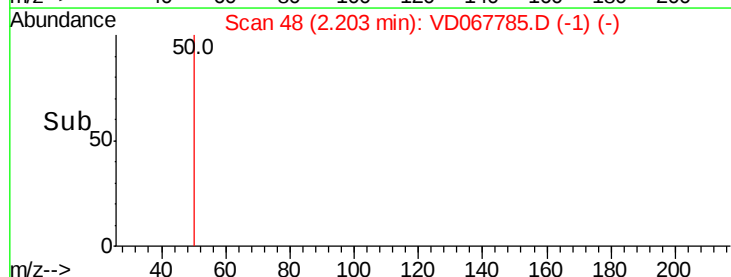
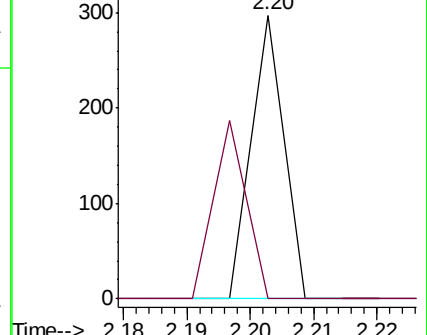
50 100

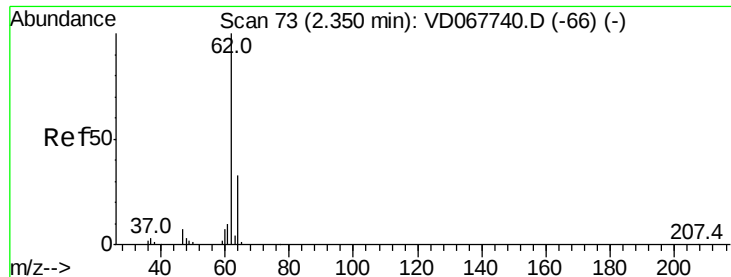
52 0.0 27.8 41.8#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#4

Vinyl Chloride

Concen: 1.344 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD067785.D

Acq: 25 Nov 2020 14:21

Instrument :

MSVOA_D

ClientSampleId :

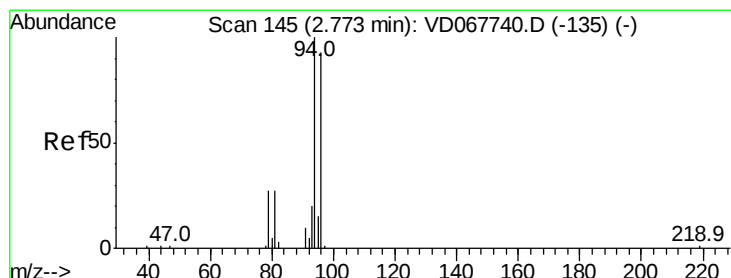
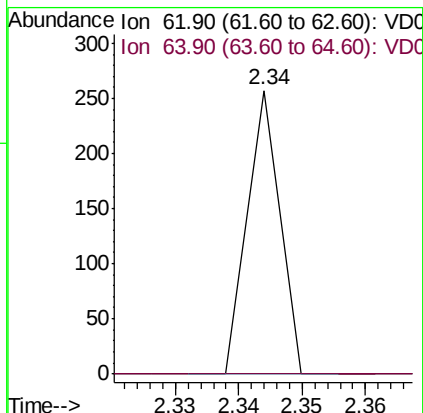
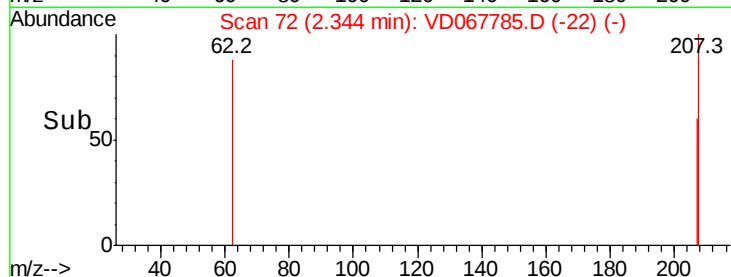
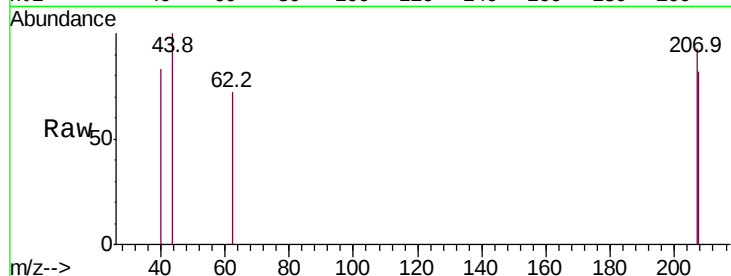
OK-03-112420

Tot Ion: 62 Resp: 91

Ion Ratio Lower Upper

62 100

64 0.0 26.6 40.0#



#5

Bromomethane

Concen: 7.908 ug/l

RT: 2.80 min Scan# 150

Delta R.T. 0.03 min

Lab File: VD067785.D

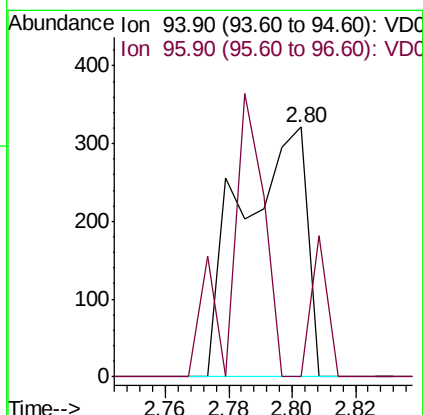
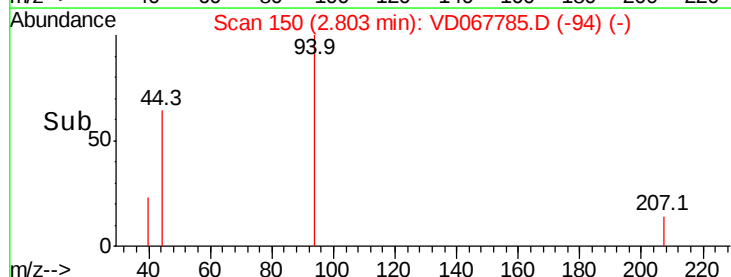
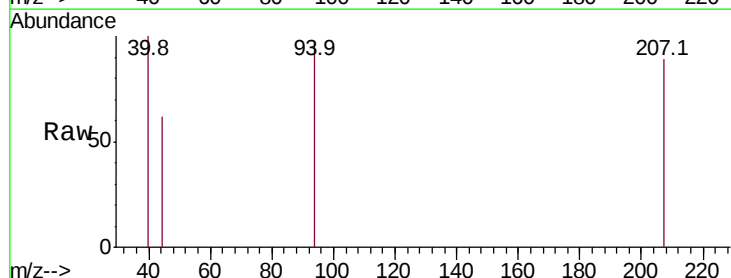
Acq: 25 Nov 2020 14:21

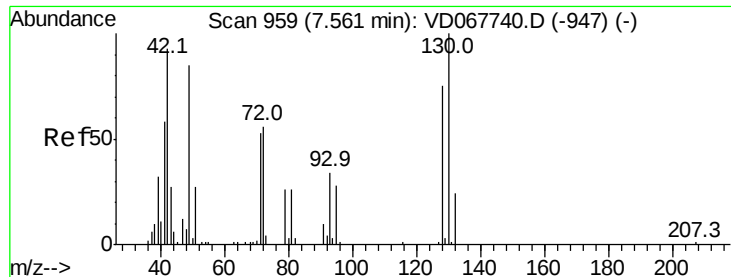
Tgt Ion: 94 Resp: 456

Ion Ratio Lower Upper

94 100

96 0.0 74.0 111.0#

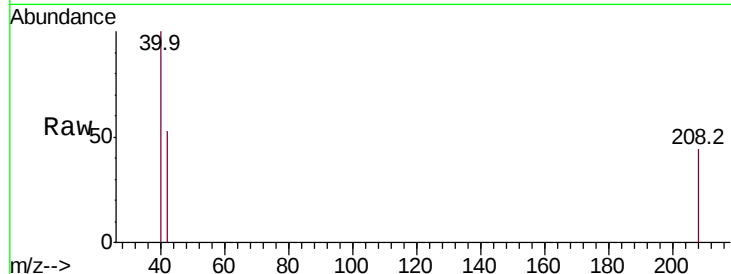




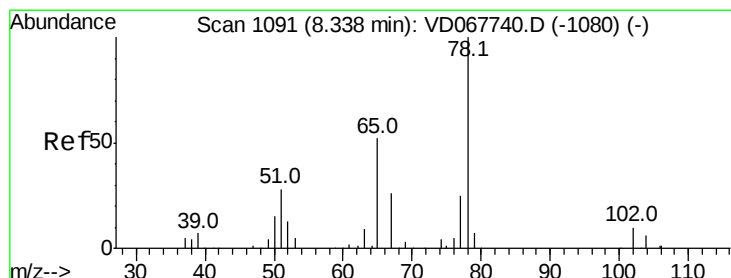
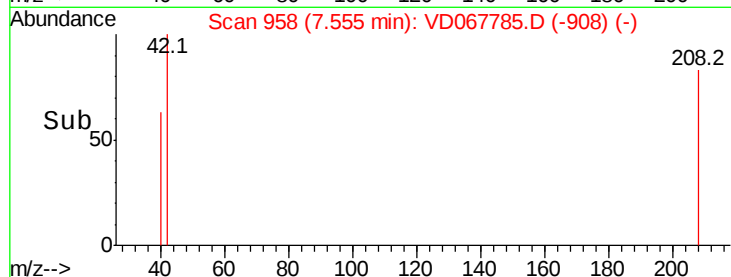
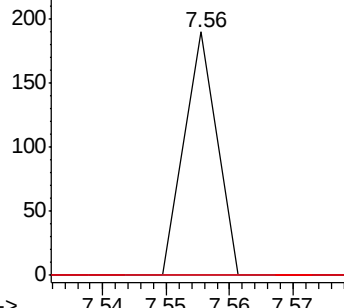
#29
Tetrahydrofuran
Concen: 7.499 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD067785.D
Acq: 25 Nov 2020 14:21

Instrument :
MSVOA_D
ClientSampleId :
OK-03-112420

Tot Ion: 42 Resp: 67
Ion Ratio Lower Upper
42 100
72 0.0 49.3 73.9#
71 0.0 45.9 68.9#

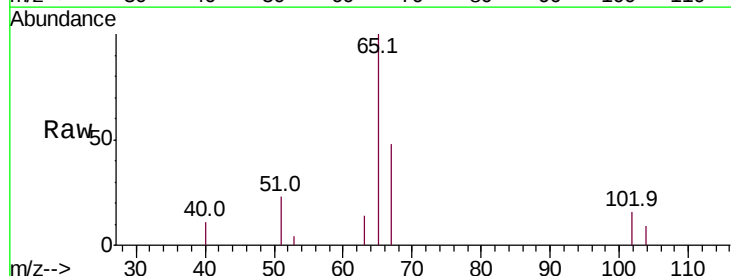


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

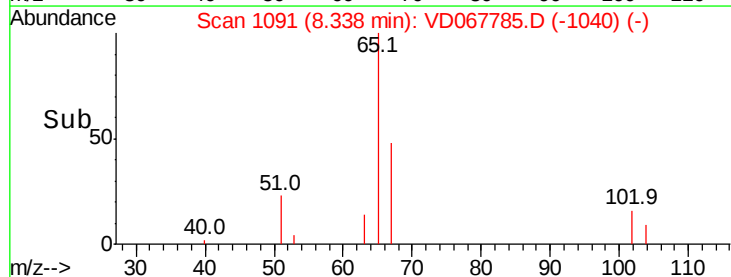
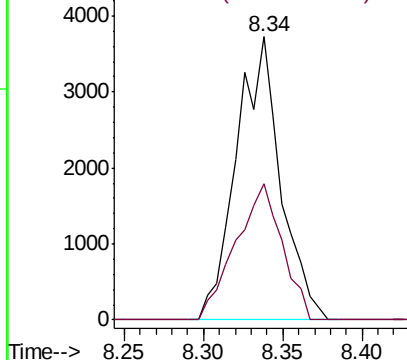


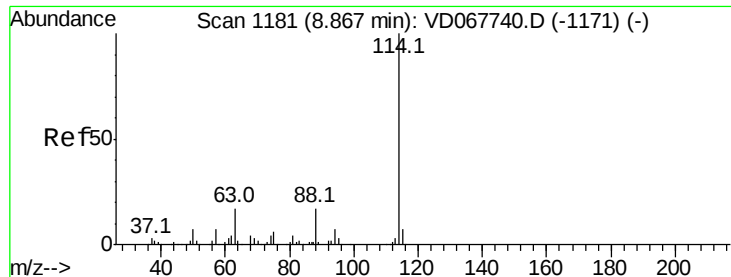
#33
1,2-Dichloroethane-d4
Concen: 66.520 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD067785.D
Acq: 25 Nov 2020 14:21

Tgt Ion: 65 Resp: 7211
Ion Ratio Lower Upper
65 100
67 50.4 0.0 101.0



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

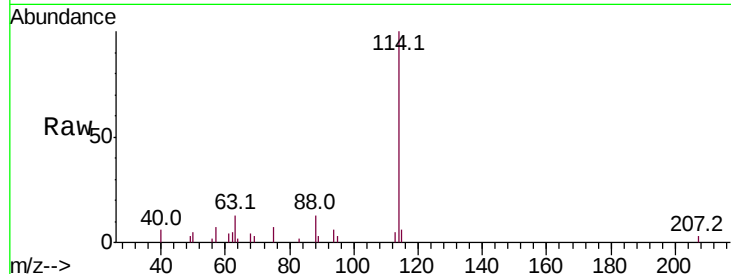




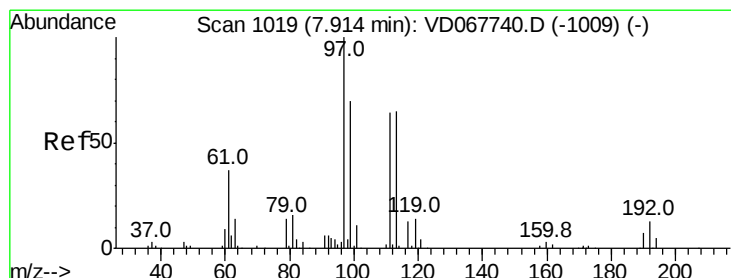
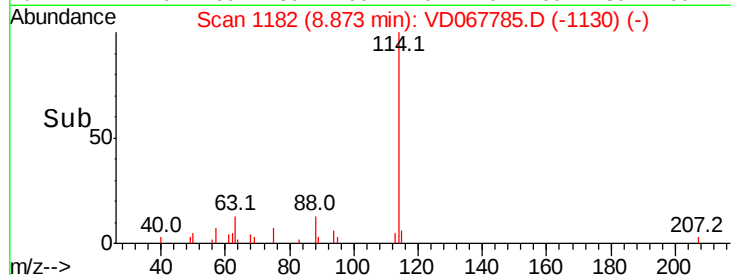
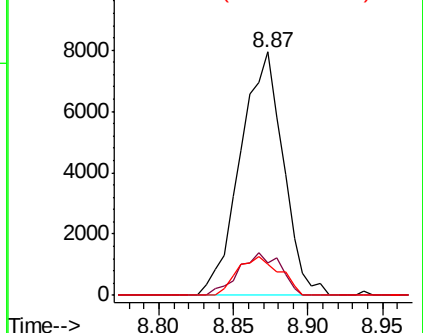
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD067785.D
 Acq: 25 Nov 2020 14:21

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-03-112420

Tot Ion:114 Resp: 15848
 Ion Ratio Lower Upper
 114 100
 63 13.3 0.0 34.8
 88 12.7 0.0 34.4

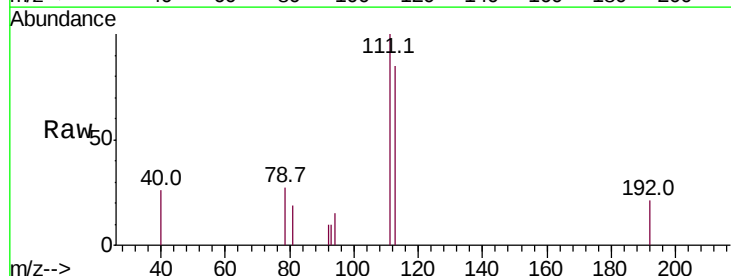


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

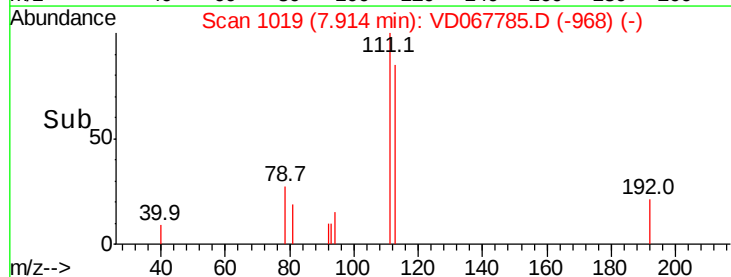
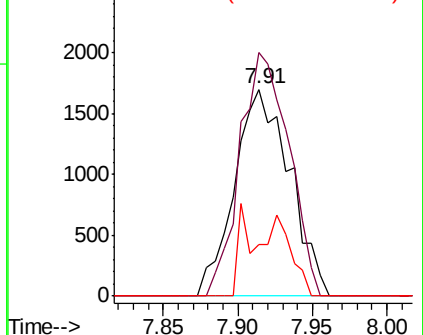


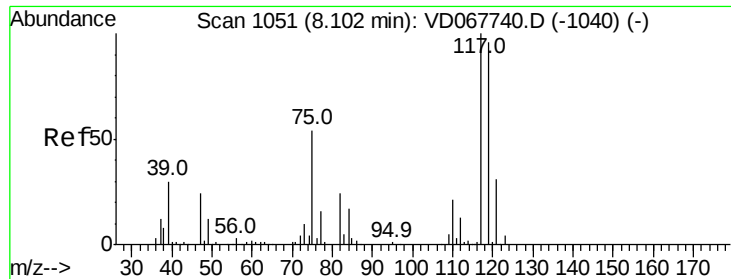
#35
 Dibromofluoromethane
 Concen: 43.339 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD067785.D
 Acq: 25 Nov 2020 14:21

Tgt Ion:113 Resp: 4371
 Ion Ratio Lower Upper
 113 100
 111 104.9 81.4 122.0
 192 13.4 17.0 25.4#



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





#38

Carbon Tetrachloride

Concen: 6.305 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067785.D

Acq: 25 Nov 2020 14:21

Instrument :

MSVOA_D

ClientSampleId :

OK-03-112420

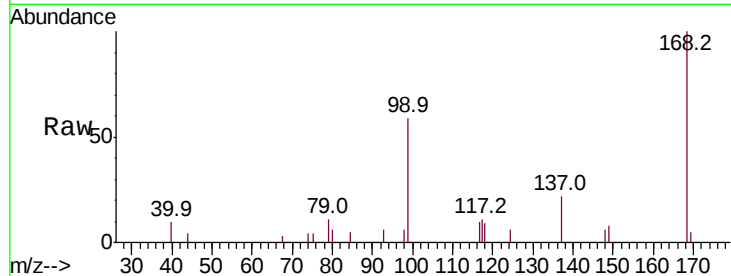
Tot Ion:117 Resp: 1243

Ion Ratio Lower Upper

117 100

119 0.0 76.6 115.0#

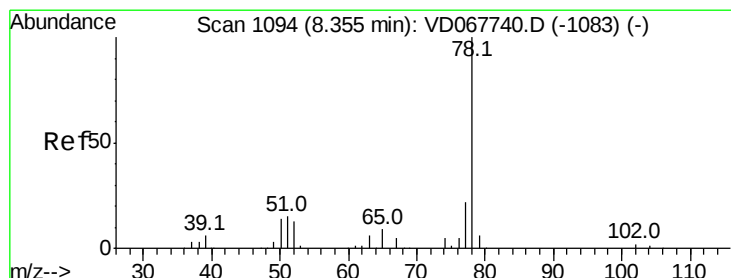
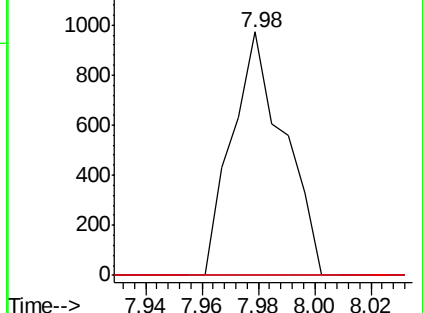
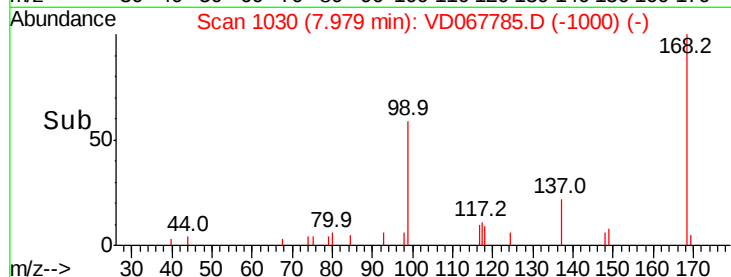
121 0.0 24.5 36.7#



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



#40

Benzene

Concen: 1.261 ug/l

RT: 8.35 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VD067785.D

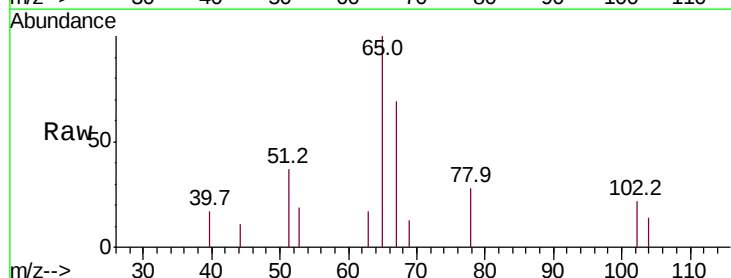
Acq: 25 Nov 2020 14:21

Tgt Ion: 78 Resp: 471

Ion Ratio Lower Upper

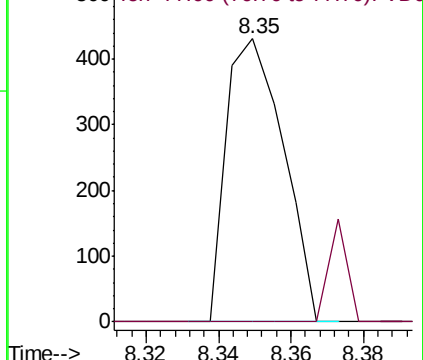
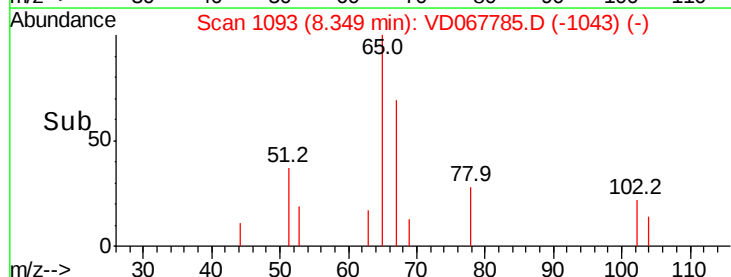
78 100

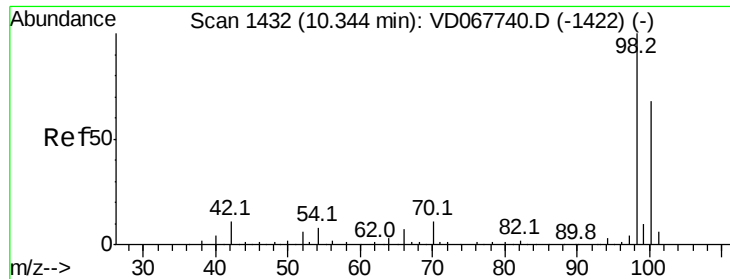
77 0.0 17.8 26.6#



Abundance Ion 78.00 (77.70 to 78.70): V

Ion 77.00 (76.70 to 77.70): V





#50

Toluene-d8

Concen: 49.276 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067785.D

Acq: 25 Nov 2020 14:21

Instrument :

MSVOA_D

ClientSampleId :

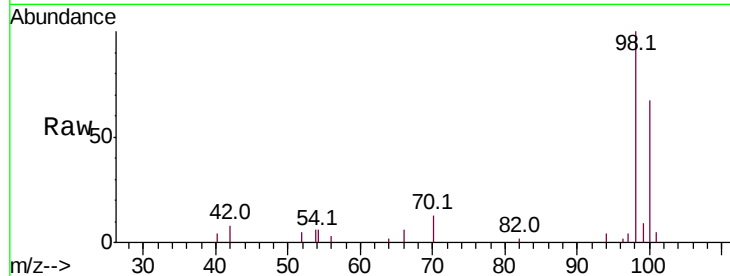
OK-03-112420

Tot Ion: 98 Resp: 18170

Ion Ratio Lower Upper

98 100

100 68.7 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VD067740.D (-1422) (-)

Ion 100.00 (99.70 to 100.70): VD067740.D (-1422) (-)

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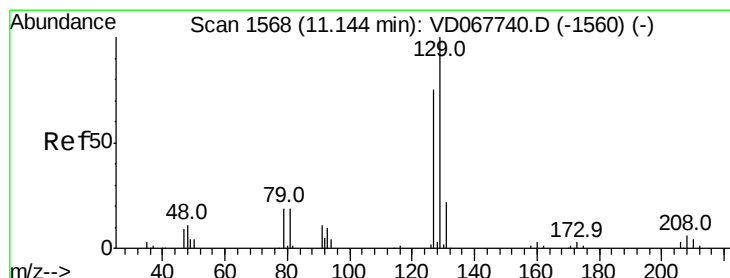
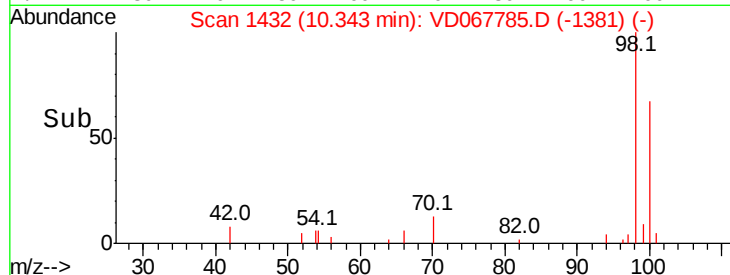
10.34

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10.34

10.34

10.34



#60

Dibromochloromethane

Concen: 1.294 ug/l

RT: 10.88 min Scan# 1524

Delta R.T. -0.26 min

Lab File: VD067785.D

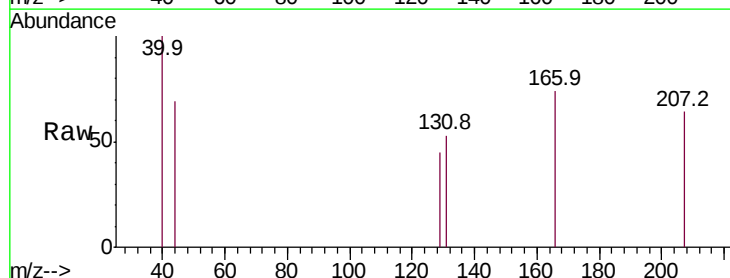
Acq: 25 Nov 2020 14:21

Tgt Ion:129 Resp: 138

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.7#



Abundance Ion 128.80 (128.50 to 129.50): VD067740.D (-1560) (-)

Ion 126.80 (126.50 to 127.50): VD067740.D (-1560) (-)

10.88

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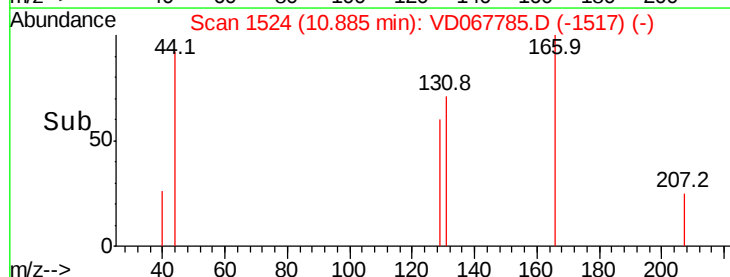
10.88

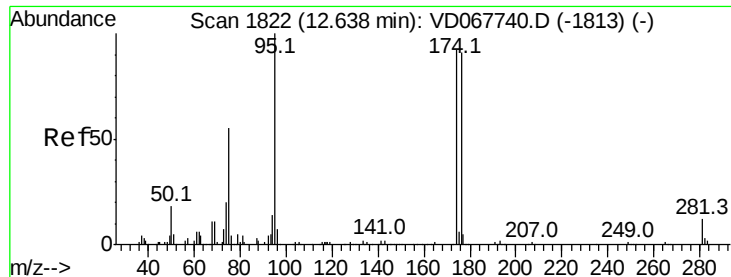
10.88

10.88

10.88

10.88

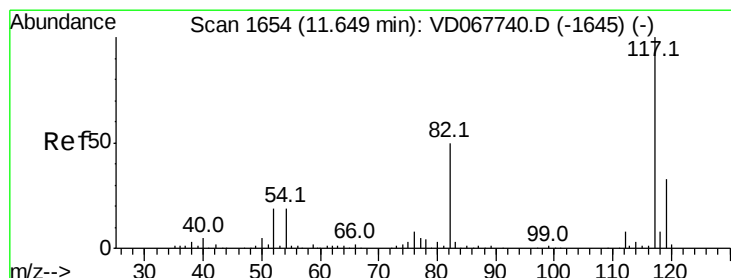
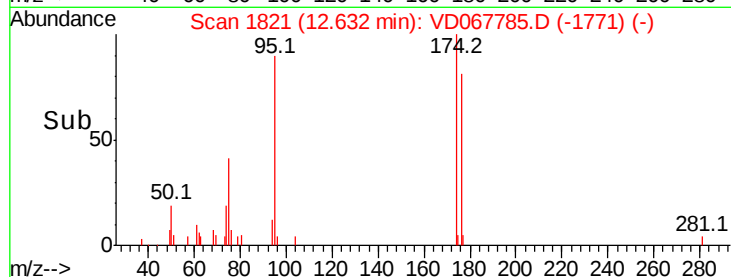
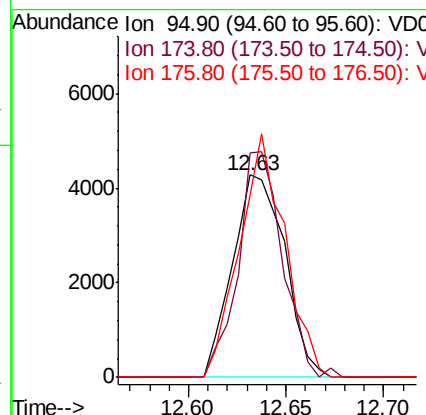
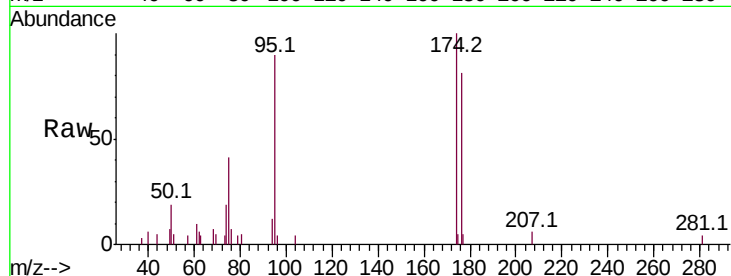




#62
4-Bromofluorobenzene
Concen: 62.823 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VD067785.D
Acq: 25 Nov 2020 14:21

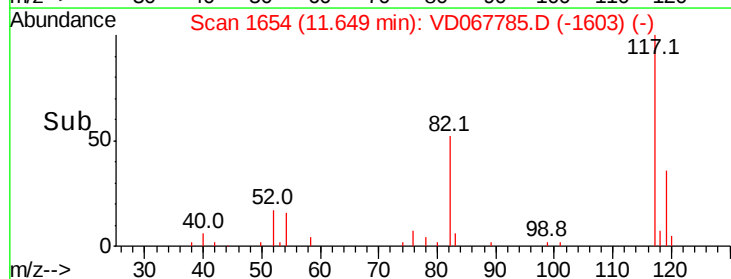
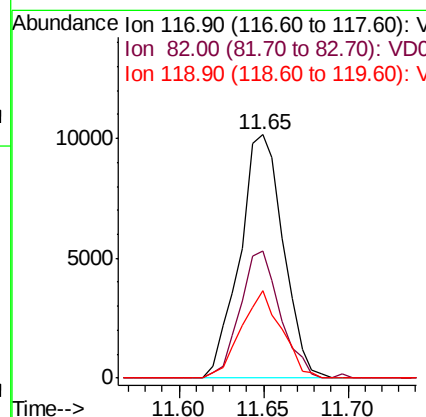
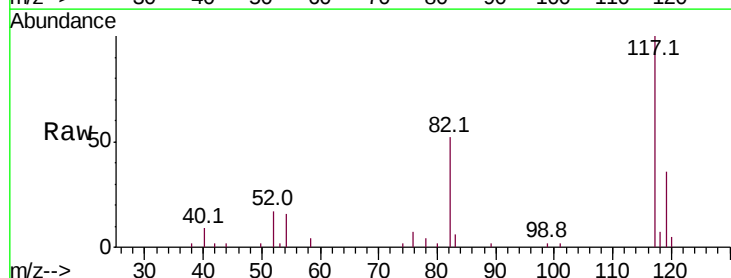
Instrument :
MSVOA_D
ClientSampleId :
OK-03-112420

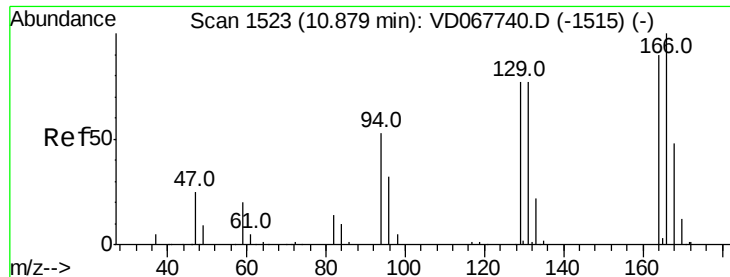
Tot Ion: 95 Resp: 7918
Ion Ratio Lower Upper
95 100
174 95.1 0.0 182.4
176 104.3 0.0 178.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067785.D
Acq: 25 Nov 2020 14:21

Tgt Ion: 117 Resp: 18250
Ion Ratio Lower Upper
117 100
82 52.2 40.2 60.4
119 35.7 26.5 39.7





#64

Tetrachloroethene

Concen: 1.645 ug/l

RT: 10.88 min Scan# 1523

Delta R.T. -0.00 min

Lab File: VD067785.D

Acq: 25 Nov 2020 14:21

Instrument :

MSVOA_D

ClientSampleId :

OK-03-112420

Tot Ion:164 Resp: 233

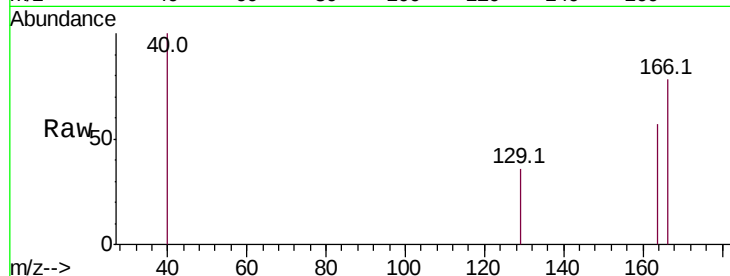
Ion Ratio Lower Upper

164 100

166 137.7 89.2 133.8#

129 63.7 68.4 102.6#

131 0.0 68.7 103.1#

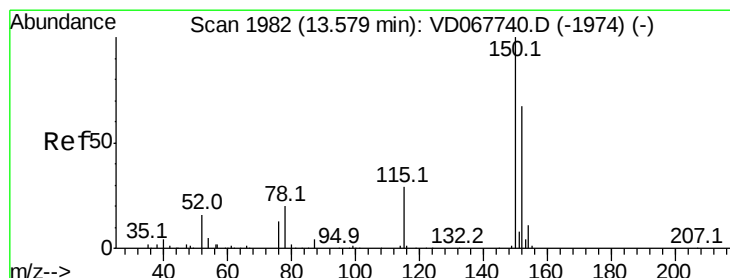
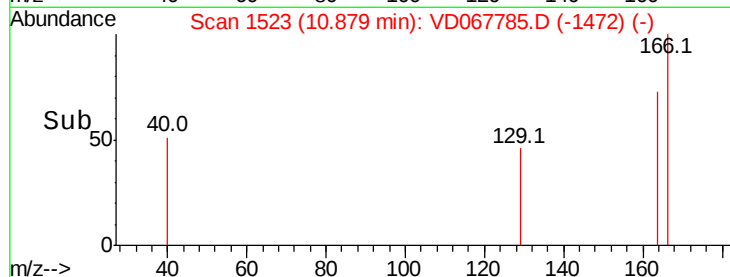
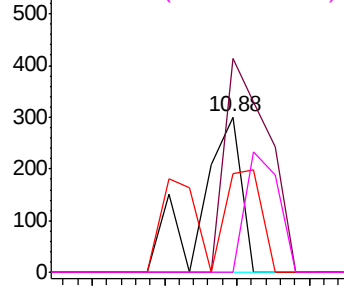


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD067785.D

Acq: 25 Nov 2020 14:21

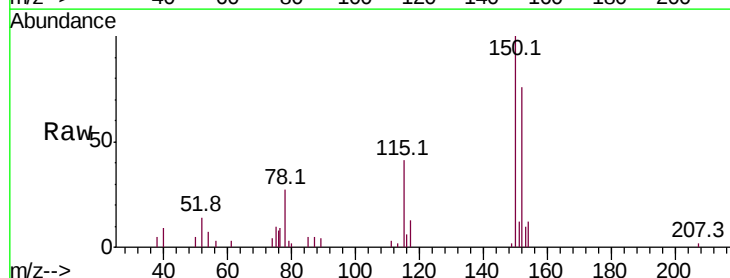
Tgt Ion:152 Resp: 10235

Ion Ratio Lower Upper

152 100

115 60.5 29.4 88.3

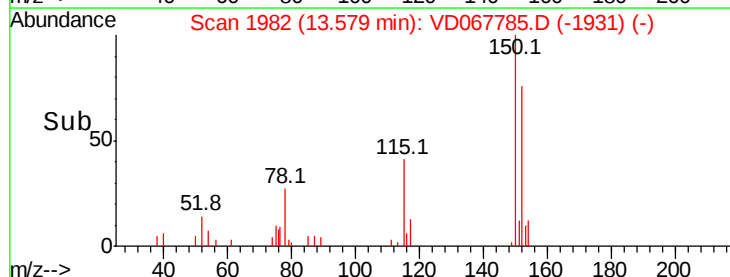
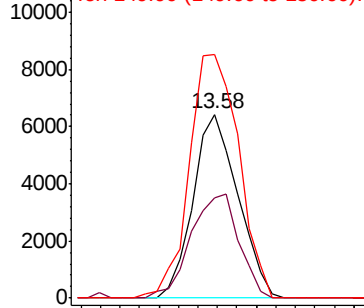
150 145.8 0.0 340.6

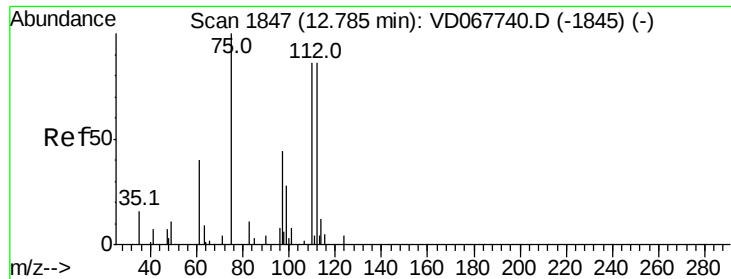


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 55.991 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067785.D

Acq: 25 Nov 2020 14:21

Instrument :

MSVOA_D

ClientSampleId :

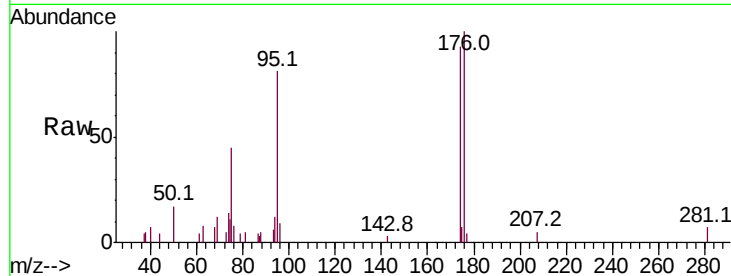
OK-03-112420

Tot Ion: 75 Resp: 3994

Ion Ratio Lower Upper

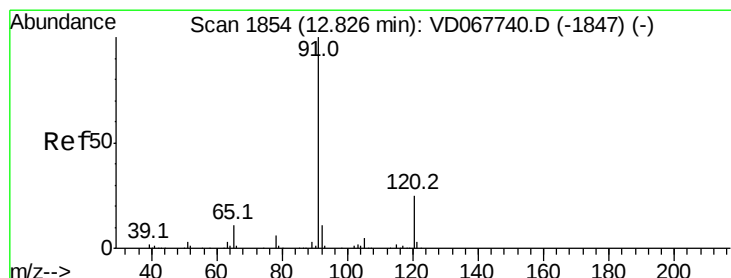
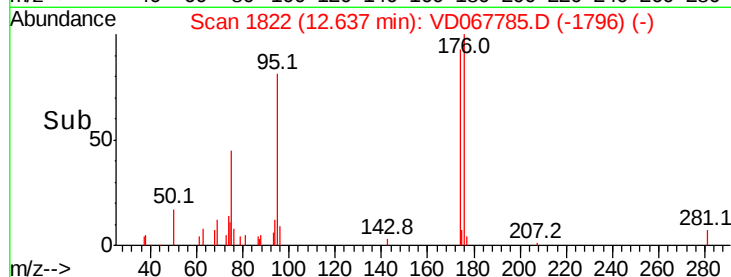
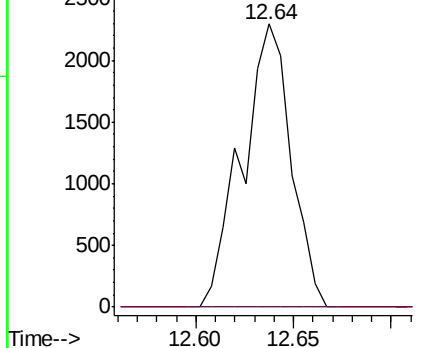
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#78

n-propylbenzene

Concen: 1.136 ug/l

RT: 12.81 min Scan# 1852

Delta R.T. -0.01 min

Lab File: VD067785.D

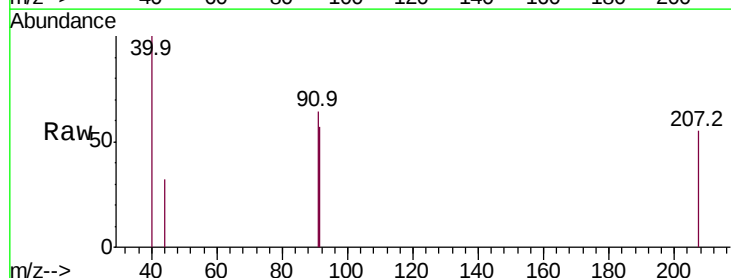
Acq: 25 Nov 2020 14:21

Tgt Ion: 91 Resp: 851

Ion Ratio Lower Upper

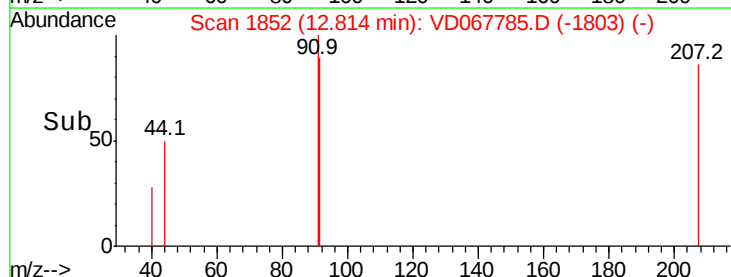
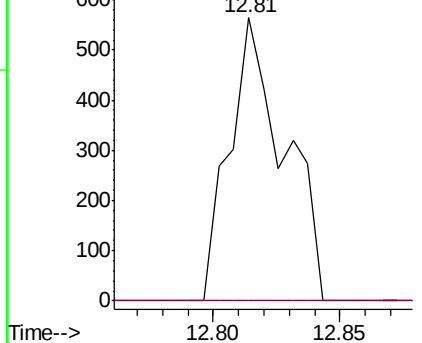
91 100

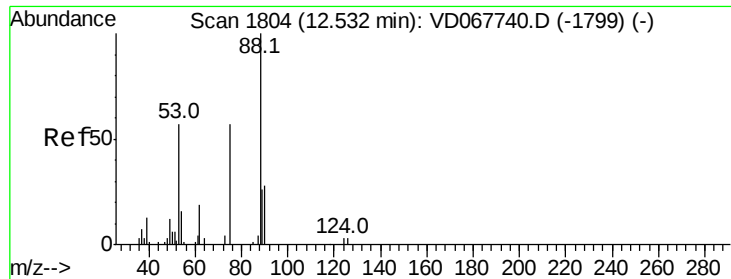
120 0.0 12.4 37.4#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 130.958 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067785.D

Acq: 25 Nov 2020 14:21

Instrument :

MSVOA_D

ClientSampleId :

OK-03-112420

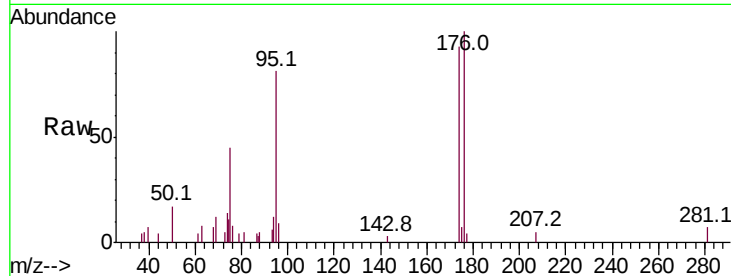
Tot Ion: 75 Resp: 3994

Ion Ratio Lower Upper

75 100

53 0.0 76.0 114.0#

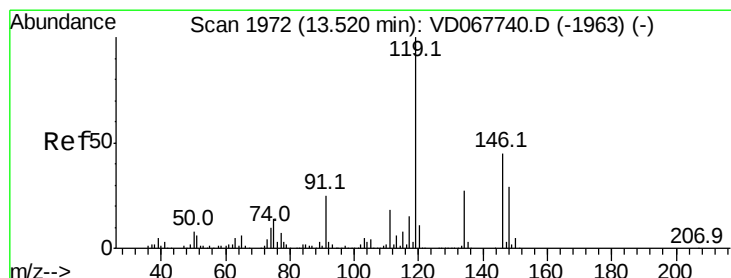
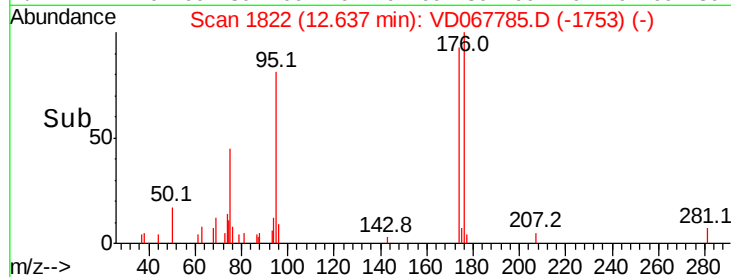
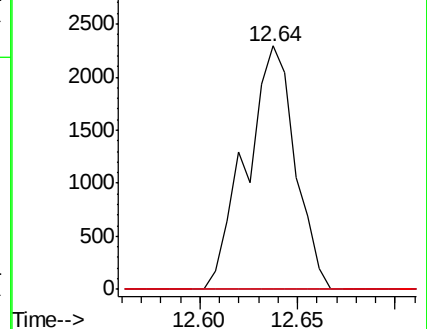
89 0.0 40.2 60.4#



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



#86

p-Isopropyltoluene

Concen: 1.070 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.01 min

Lab File: VD067785.D

Acq: 25 Nov 2020 14:21

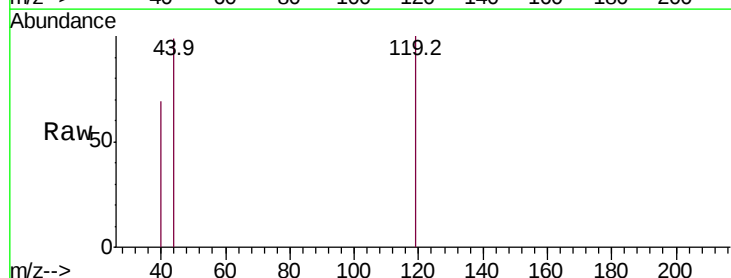
Tgt Ion: 119 Resp: 685

Ion Ratio Lower Upper

119 100

134 8.3 13.0 38.9#

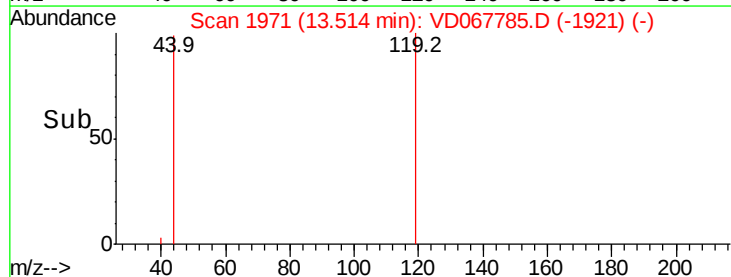
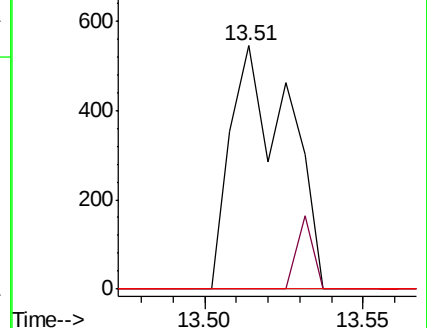
91 0.0 12.7 38.1#

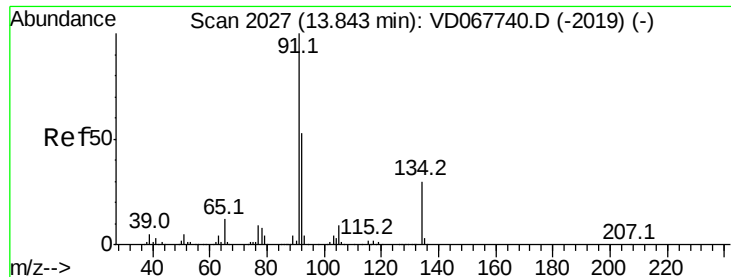


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VDC





#89

n-Butylbenzene

Concen: 1.006 ug/l

RT: 13.86 min Scan# 2030

Delta R.T. 0.02 min

Lab File: VD067785.D

Acq: 25 Nov 2020 14:21

Instrument :

MSVOA_D

ClientSampleID :

OK-03-112420

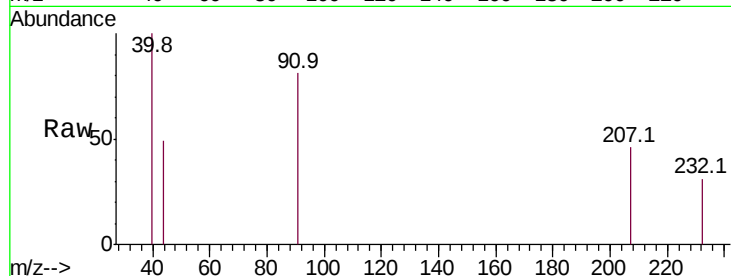
Tot Ion: 91 Resp: 552

Ion Ratio Lower Upper

91 100

92 0.0 26.6 79.7#

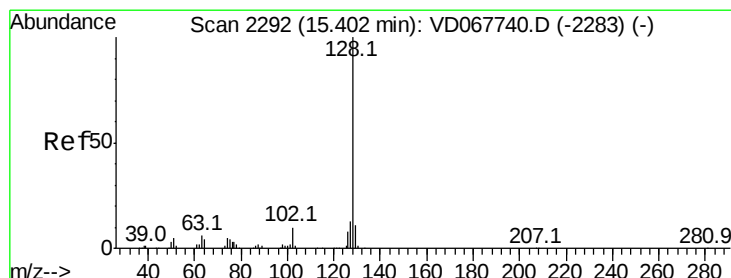
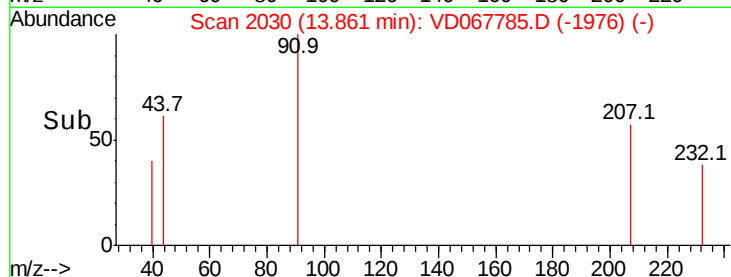
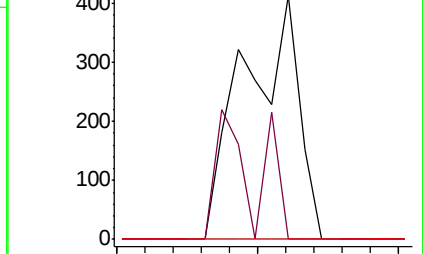
134 0.0 14.8 44.3#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V



#95

Naphthalene

Concen: 4.493 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.01 min

Lab File: VD067785.D

Acq: 25 Nov 2020 14:21

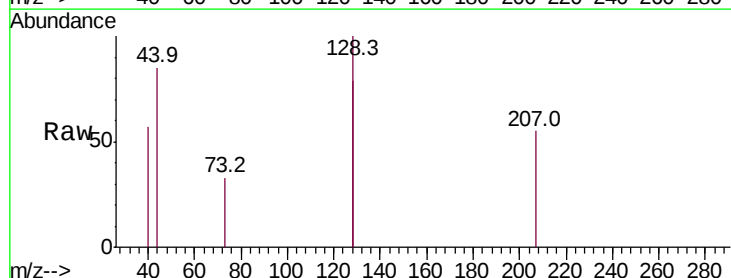
Tgt Ion: 128 Resp: 1447

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

