

Data File : VD064228.D
Acq On : 15 Nov 2019 15:35
Operator : VA/SY
Sample : K5864-05
Misc : 4.99G/5.00ml/MSVOA_D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SB-03-7.5-8.0

Quant Time: Nov 16 04:52:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	874349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1311595	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1155366	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	572083	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	387056	53.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.66%	
35) Dibromofluoromethane	7.92	113	397222	52.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.52%	
50) Toluene-d8	10.34	98	1541530	54.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.56%	
62) 4-Bromofluorobenzene	12.64	95	507863	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	

Target Compounds

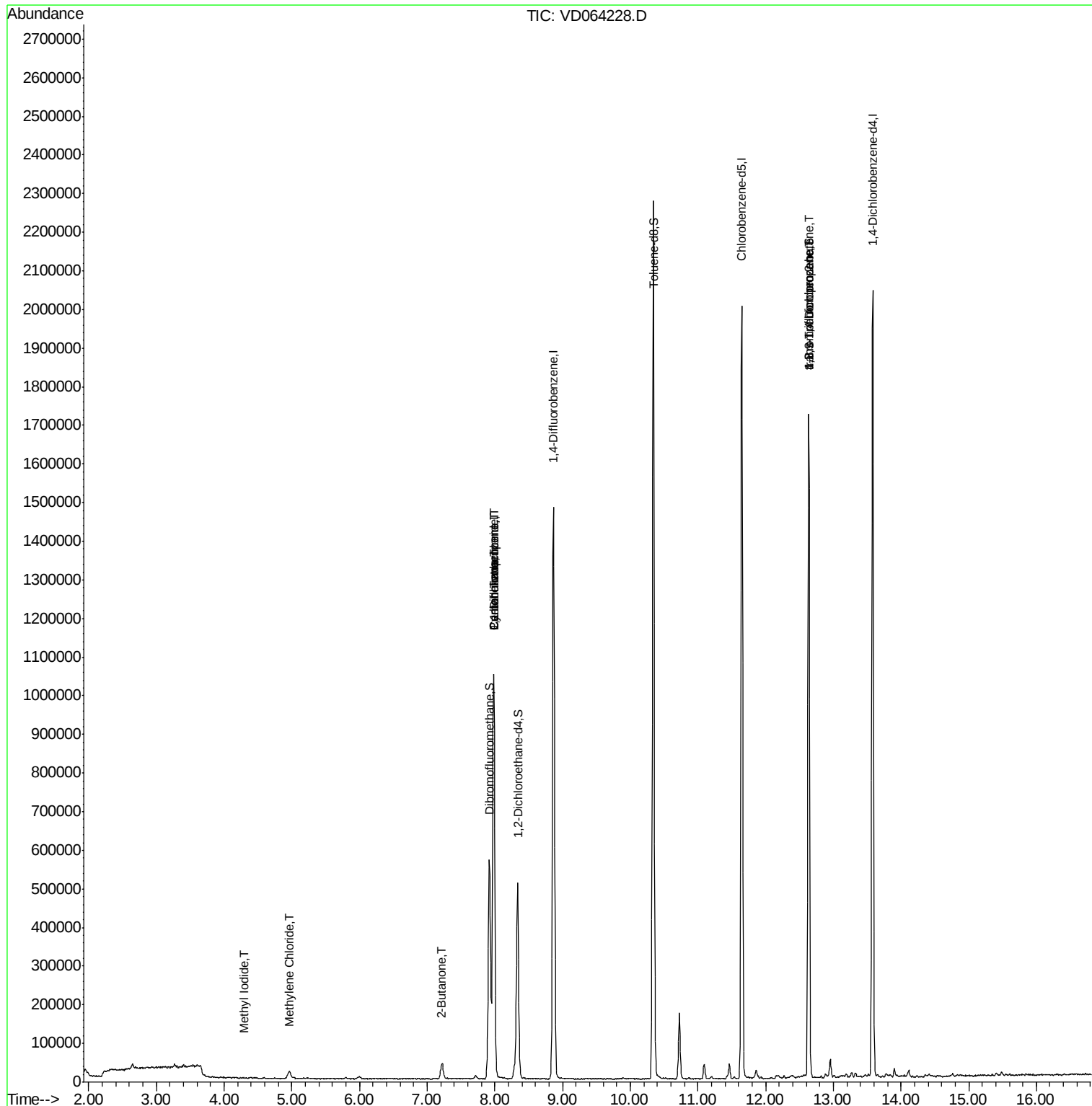
						Qvalue
10) Methyl Iodide	4.30	142	235	2.057	ug/l #	72
20) Methylene Chloride	4.97	84	13425	1.560	ug/l	88
25) 2-Butanone	7.21	43	3222	1.464	ug/l #	87
31) Cyclohexane	7.98	56	16969	1.202	ug/l #	33
36) 1,1-Dichloropropene	7.98	75	56422	4.661	ug/l #	49
38) Carbon Tetrachloride	7.98	117	79574	6.144	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	262240	56.910	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	262240	113.046	ug/l #	10

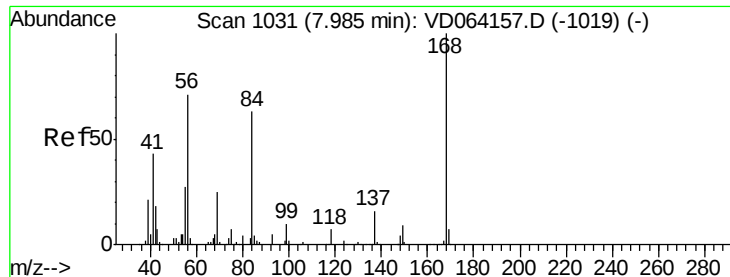
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD064228.D

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Instrument :

MSVOA_D

ClientSampleId :

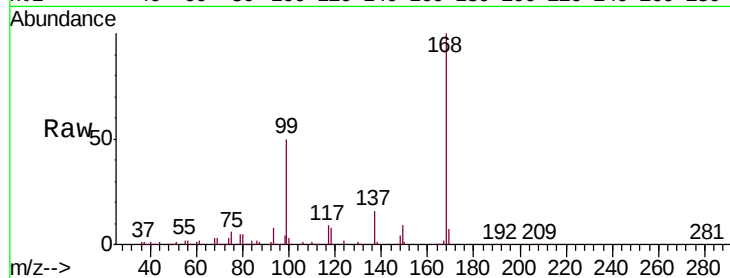
SB-03-7.5-8.0

Tgt Ion:168 Resp: 874349

Ion Ratio Lower Upper

168 100

99 50.0 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VD

7.98

400000

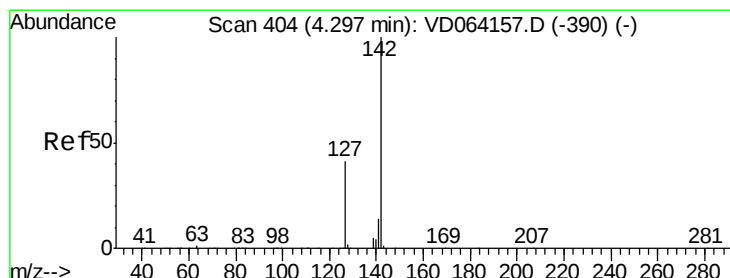
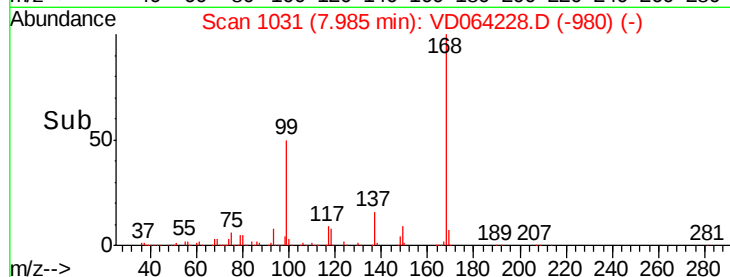
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 2.057 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD064228.D

Acq: 15 Nov 2019 15:35

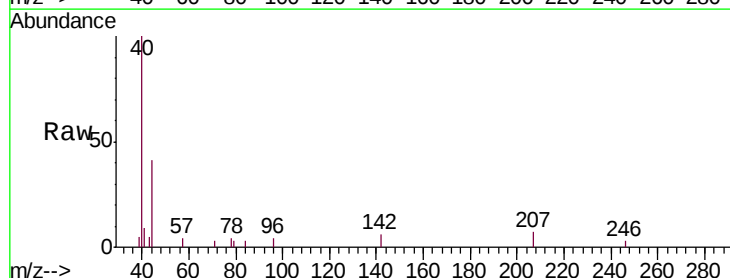
Tgt Ion:142 Resp: 235

Ion Ratio Lower Upper

142 100

127 26.4 34.4 51.6#

141 0.0 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.30

400

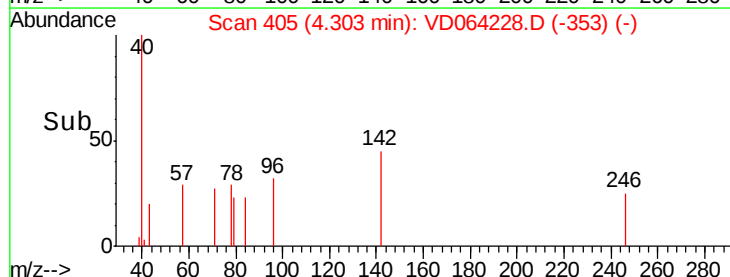
300

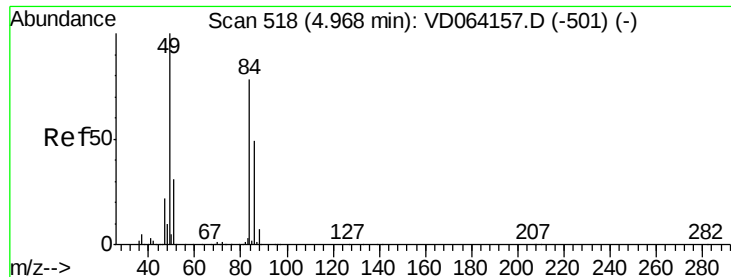
200

100

0

Time-->





#20

Methylene Chloride

Concen: 1.560 ug/l

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD064228.D

Acq: 15 Nov 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

SB-03-7.5-8.0

Tgt Ion: 84 Resp: 13425

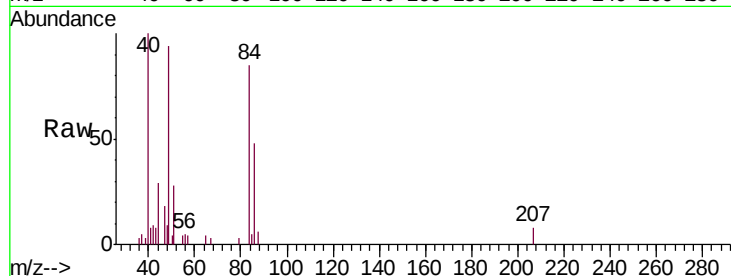
Ion Ratio Lower Upper

84 100

49 111.5 102.1 153.1

51 33.5 32.2 48.2

86 56.7 49.9 74.9

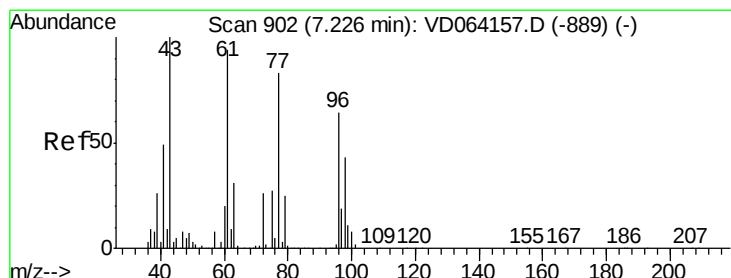
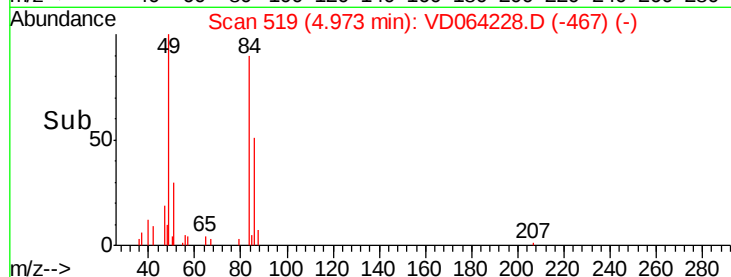
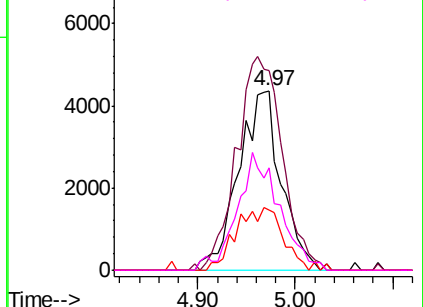


Abundance Ion 83.90 (83.60 to 84.60): VDC

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



#25

2-Butanone

Concen: 1.464 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD064228.D

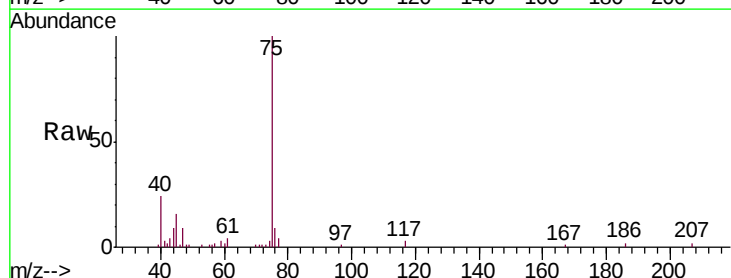
Acq: 15 Nov 2019 15:35

Tgt Ion: 43 Resp: 3222

Ion Ratio Lower Upper

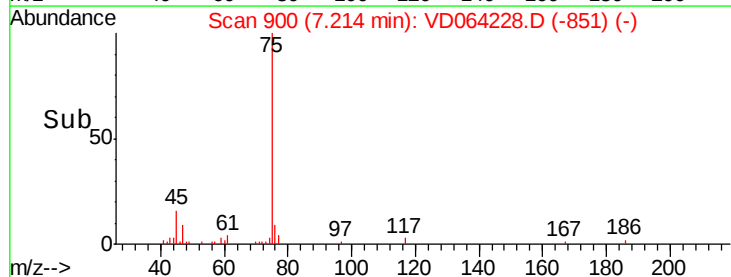
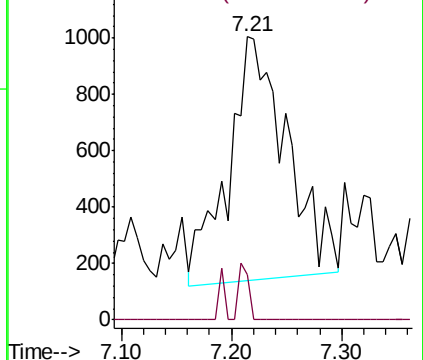
43 100

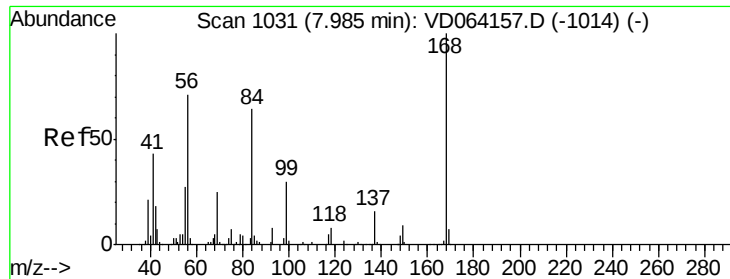
72 19.0 20.6 30.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

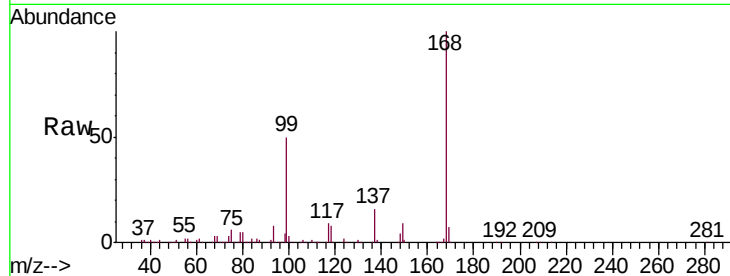




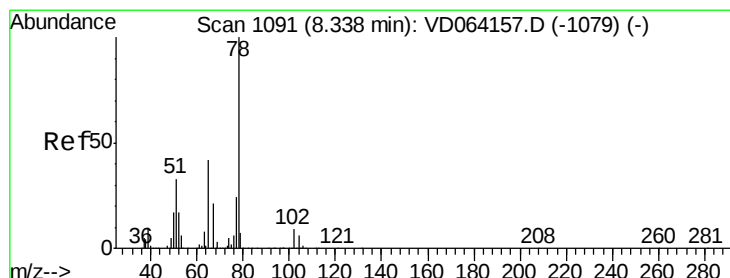
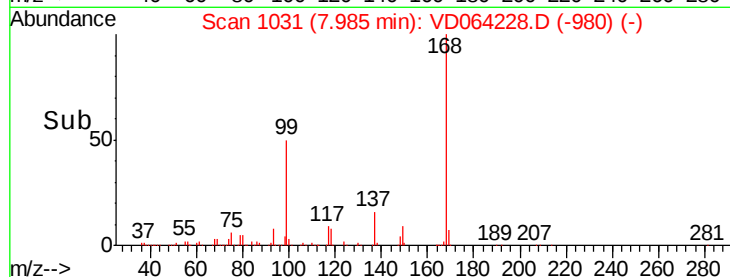
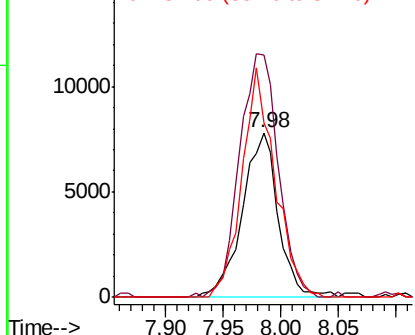
#31
Cyclohexane
Concen: 1.202 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064228.D
Acq: 15 Nov 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
SB-03-7.5-8.0

Tgt Ion: 56 Resp: 16969
Ion Ratio Lower Upper
56 100
69 147.1 28.2 42.4#
84 106.1 71.8 107.6

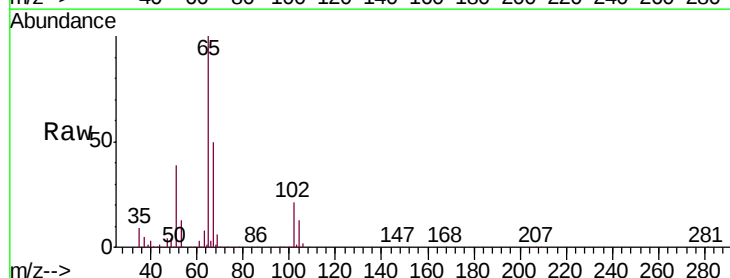


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

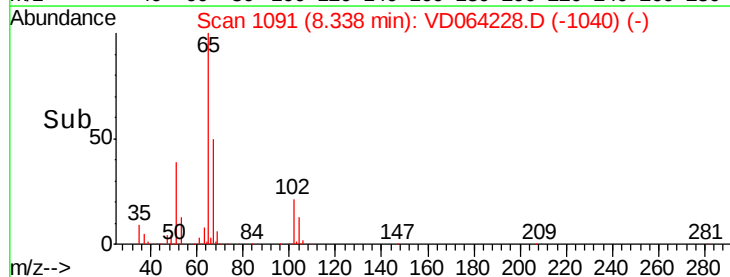
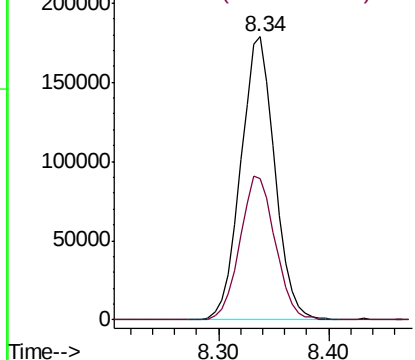


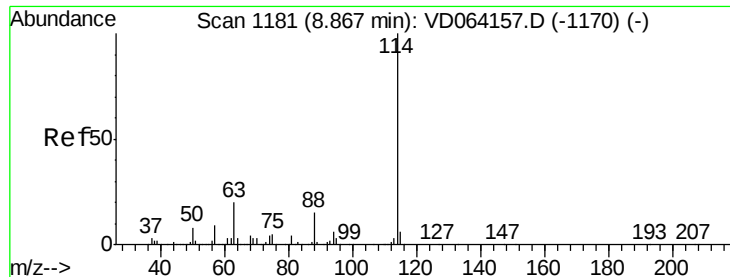
#33
1,2-Dichloroethane-d4
Concen: 53.825 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD064228.D
Acq: 15 Nov 2019 15:35

Tgt Ion: 65 Resp: 387056
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.4



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

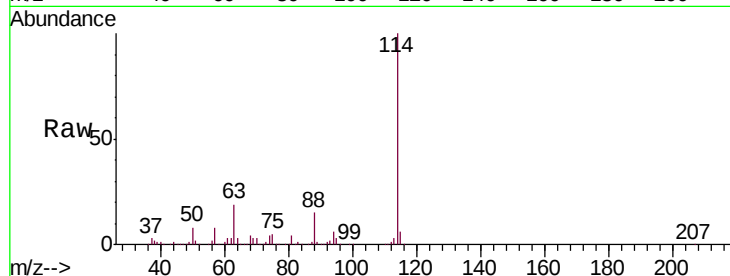




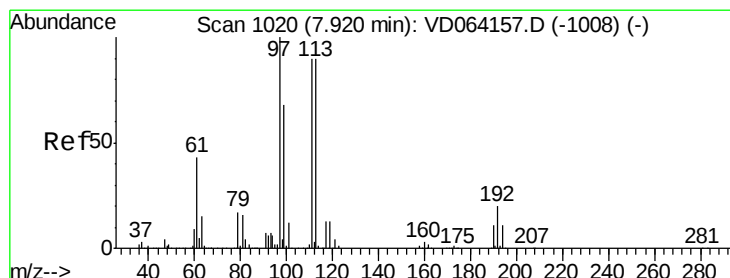
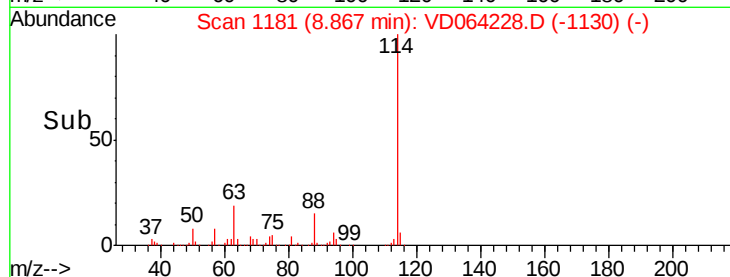
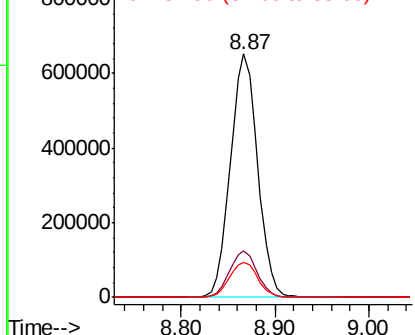
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD064228.D
Acq: 15 Nov 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
SB-03-7.5-8.0

Tgt Ion:114 Resp: 1311595
Ion Ratio Lower Upper
114 100
63 18.9 0.0 40.0
88 14.6 0.0 30.2

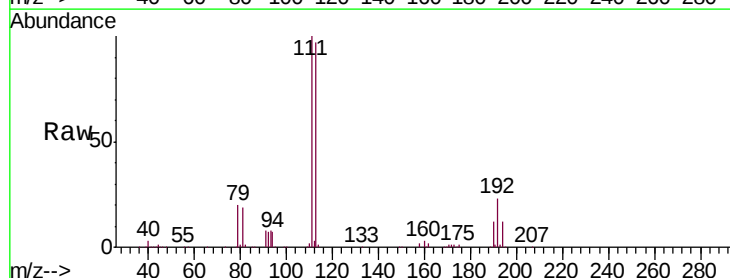


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

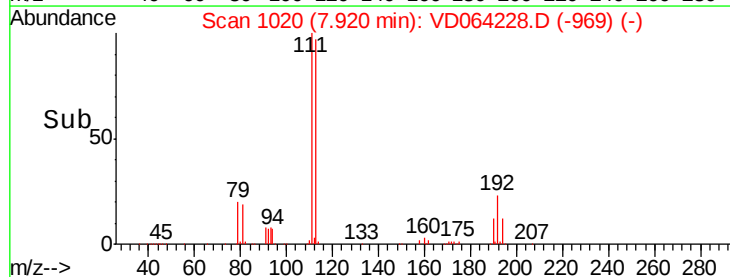
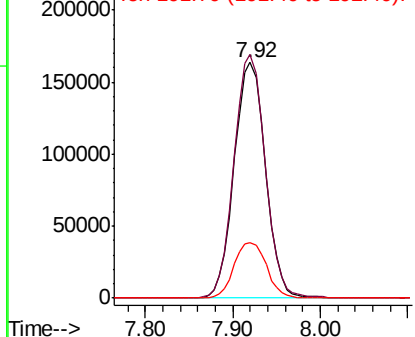


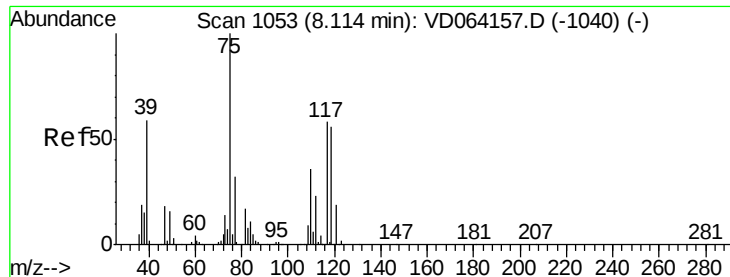
#35
Dibromofluoromethane
Concen: 52.761 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD064228.D
Acq: 15 Nov 2019 15:35

Tgt Ion:113 Resp: 397222
Ion Ratio Lower Upper
113 100
111 103.1 81.5 122.3
192 24.3 18.8 28.2



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: 4.661 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD064228.D

Acq: 15 Nov 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

SB-03-7.5-8.0

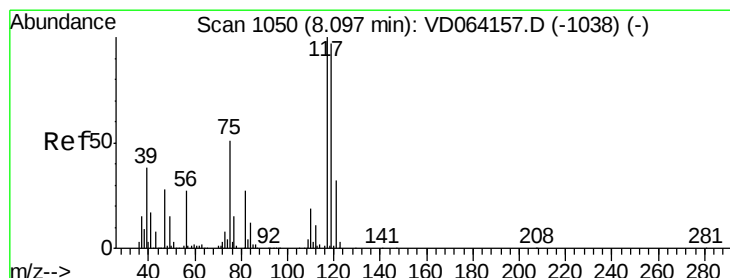
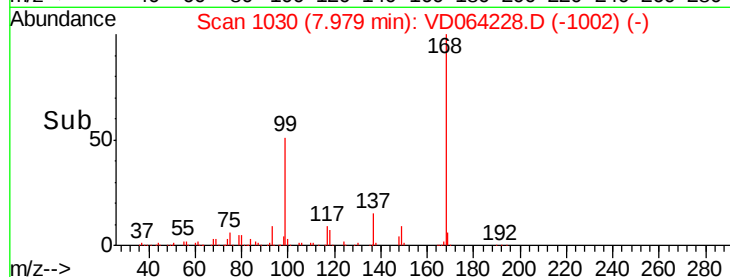
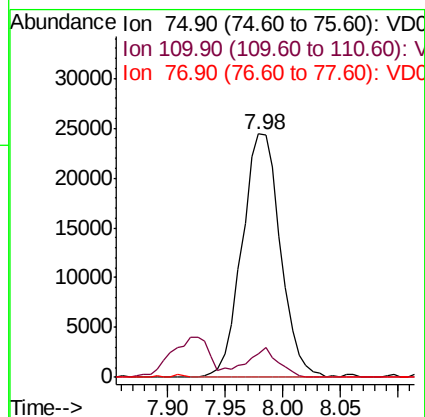
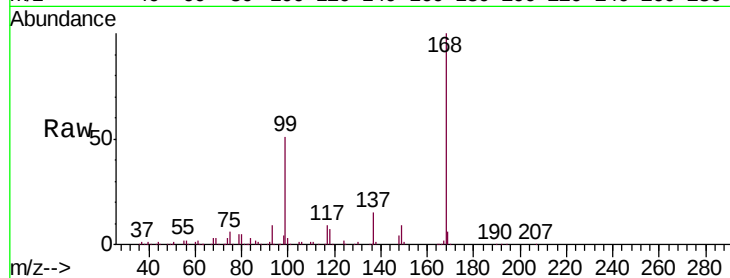
Tgt Ion: 75 Resp: 56422

Ion Ratio Lower Upper

75 100

110 9.4 18.3 54.9#

77 0.0 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 6.144 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064228.D

Acq: 15 Nov 2019 15:35

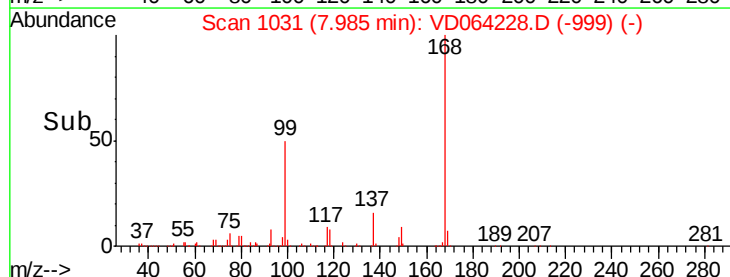
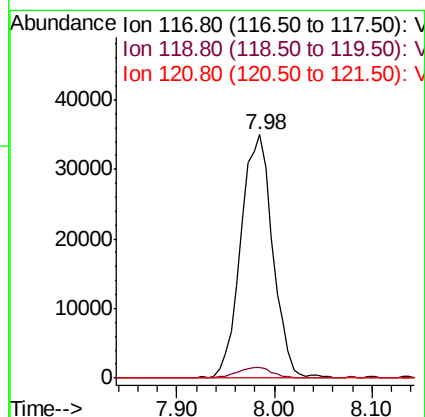
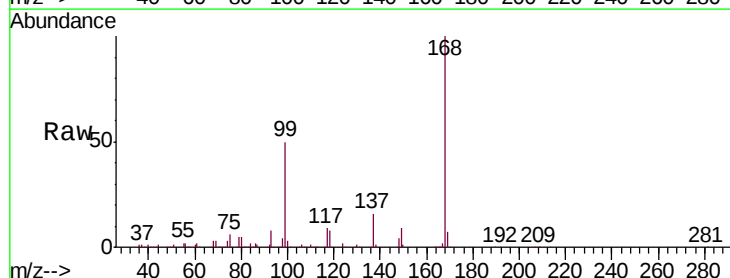
Tgt Ion: 117 Resp: 79574

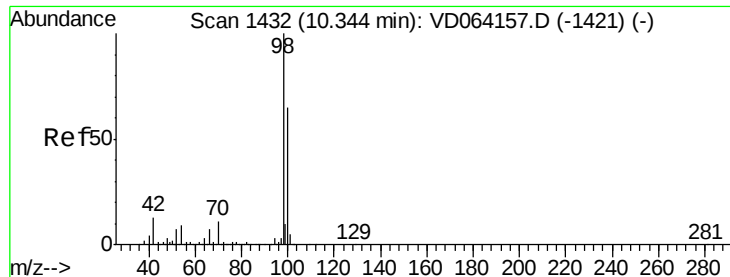
Ion Ratio Lower Upper

117 100

119 4.3 77.2 115.8#

121 0.0 25.5 38.3#





#50

Toluene-d8

Concen: 54.276 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD064228.D

Acq: 15 Nov 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

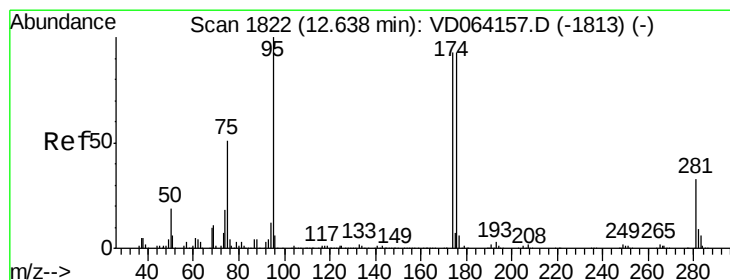
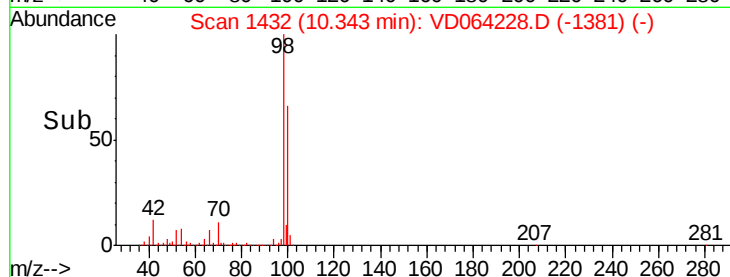
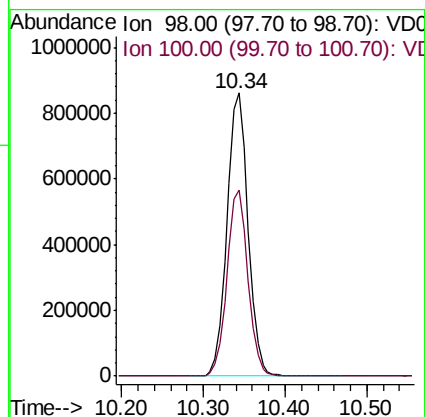
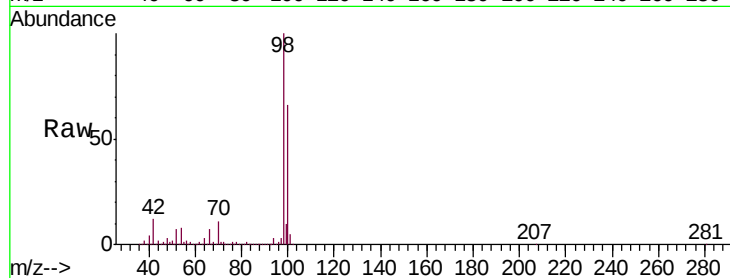
SB-03-7.5-8.0

Tgt Ion: 98 Resp: 1541530

Ion Ratio Lower Upper

98 100

100 65.2 52.6 78.8



#62

4-Bromofluorobenzene

Concen: 51.635 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064228.D

Acq: 15 Nov 2019 15:35

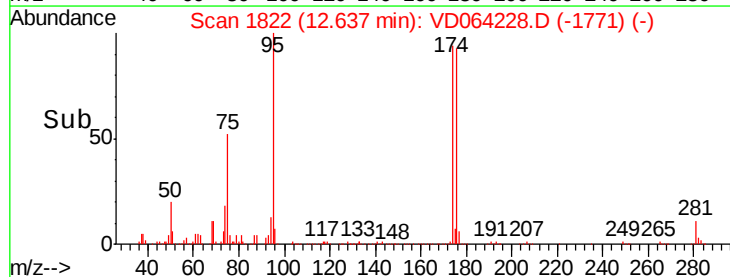
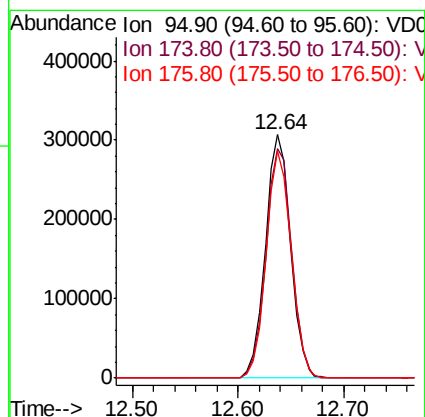
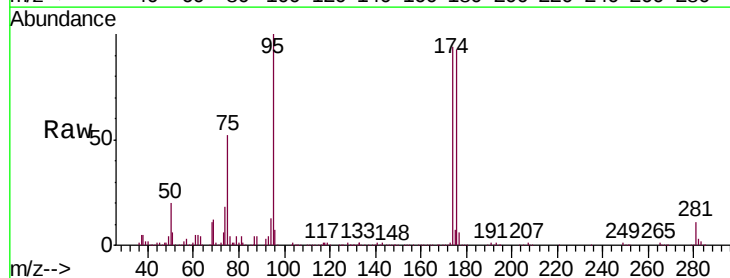
Tgt Ion: 95 Resp: 507863

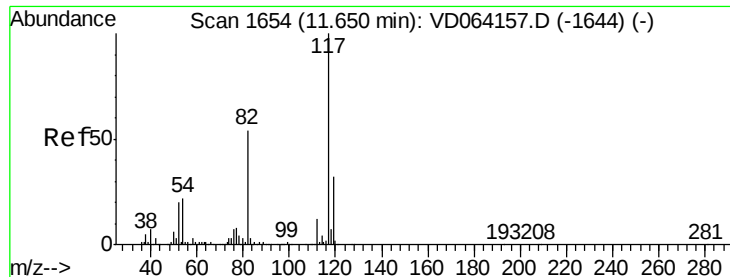
Ion Ratio Lower Upper

95 100

174 96.2 0.0 183.6

176 93.0 0.0 180.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD064228.D

Acq: 15 Nov 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

SB-03-7.5-8.0

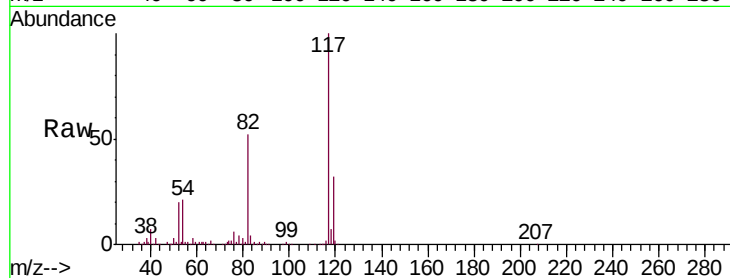
Tgt Ion:117 Resp: 1155366

Ion Ratio Lower Upper

117 100

82 52.3 42.8 64.2

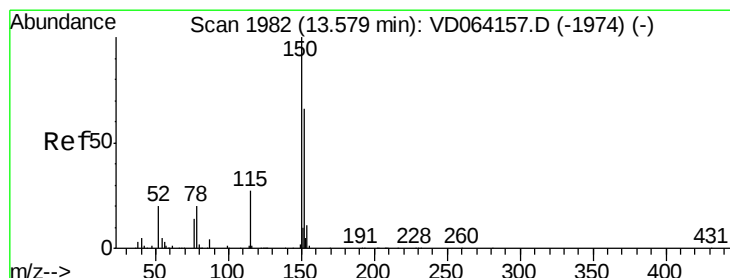
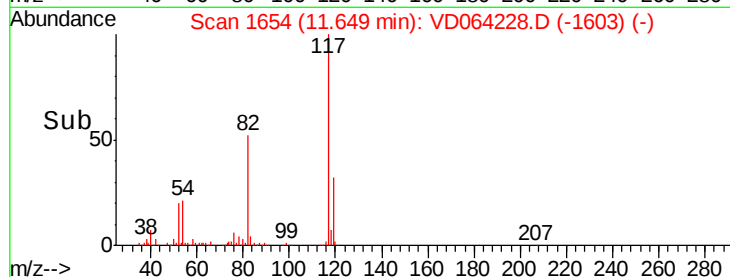
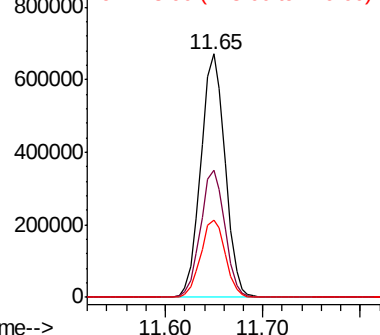
119 31.6 25.6 38.4



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# 1983

Delta R.T. 0.01 min

Lab File: VD064228.D

Acq: 15 Nov 2019 15:35

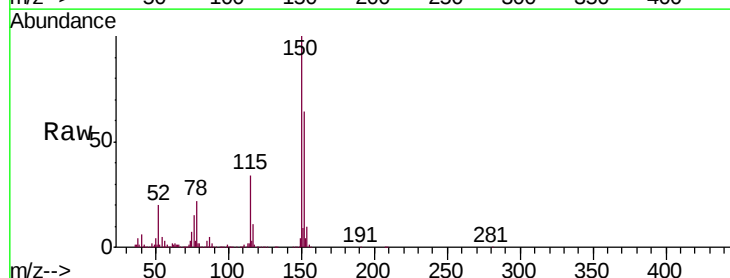
Tgt Ion:152 Resp: 572083

Ion Ratio Lower Upper

152 100

115 54.1 27.4 82.2

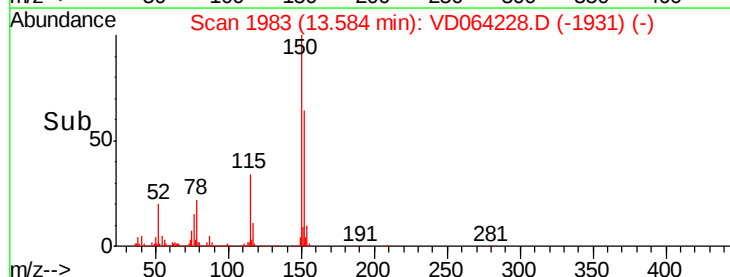
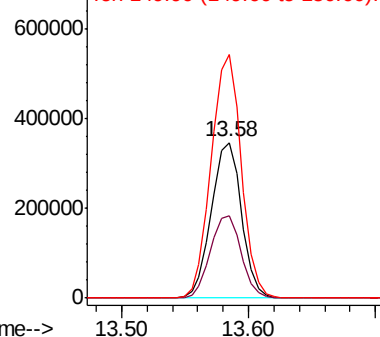
150 156.1 0.0 351.6

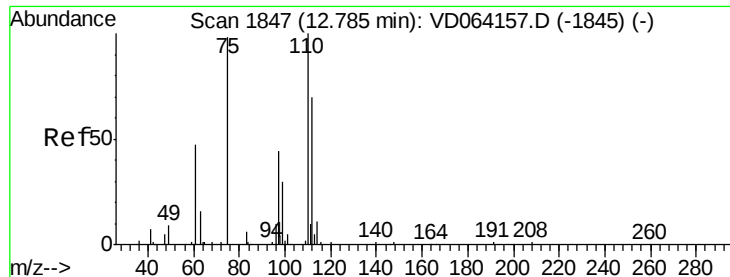


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 56.910 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064228.D

Acq: 15 Nov 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

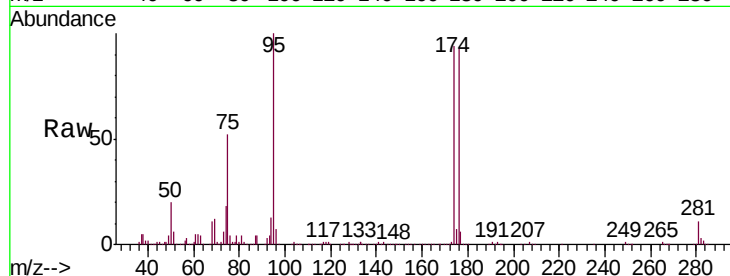
SB-03-7.5-8.0

Tgt Ion: 75 Resp: 262240

Ion Ratio Lower Upper

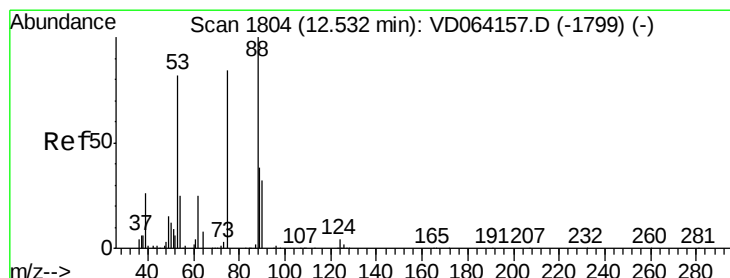
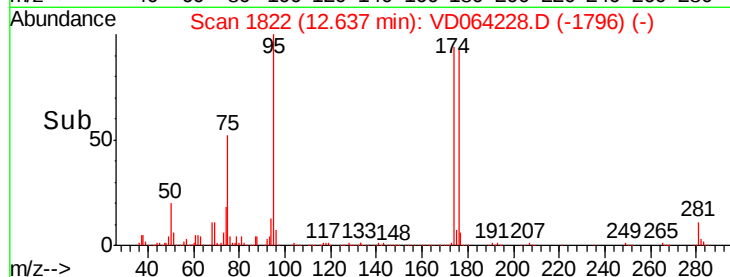
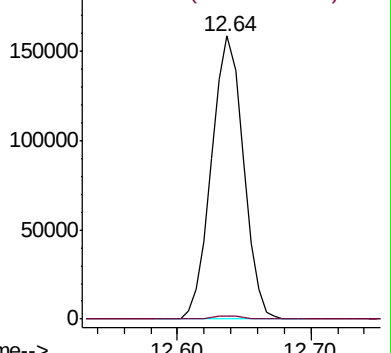
75 100

77 1.3 0.0 0.0#



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: 113.046 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064228.D

Acq: 15 Nov 2019 15:35

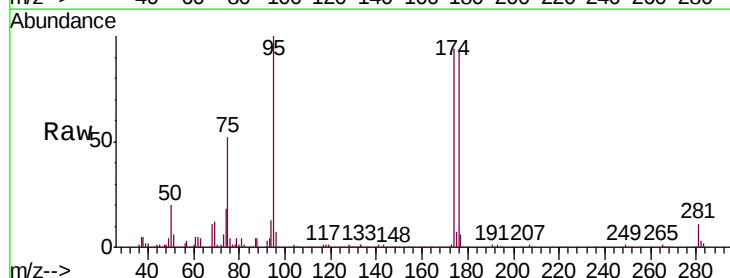
Tgt Ion: 75 Resp: 262240

Ion Ratio Lower Upper

75 100

53 0.0 79.4 119.0#

89 0.1 36.6 55.0#



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

