

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112519\
 Data File : VD064368.D
 Acq On : 25 Nov 2019 18:54
 Operator : VA/SY
 Sample : K6021-01
 Misc : 5.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 26 05:37:26 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	108990	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	176583	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	169091	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	90455	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	73879	82.42	ug/l	0.00
Spiked Amount			Recovery	=	164.84%	
35) Dibromofluoromethane	7.92	113	59082	58.29	ug/l	0.00
Spiked Amount			Recovery	=	116.58%	
50) Toluene-d8	10.34	98	206594	54.03	ug/l	0.00
Spiked Amount			Recovery	=	108.06%	
62) 4-Bromofluorobenzene	12.64	95	75767	57.22	ug/l	0.00
Spiked Amount			Recovery	=	114.44%	

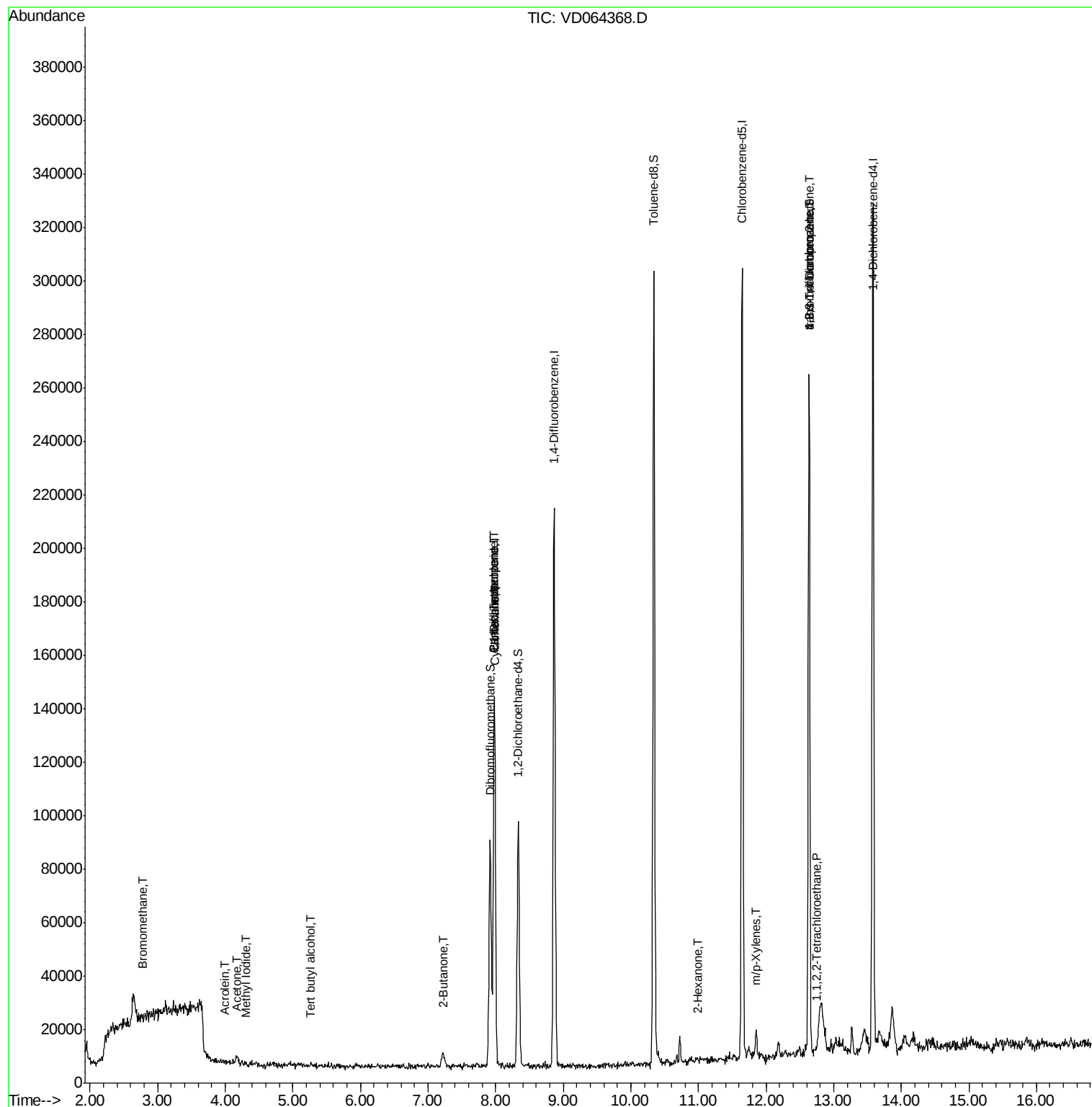
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.79	94	920	1.405	ug/l #	68
10) Methyl Iodide	4.31	142	132	2.147	ug/l #	41
11) Tert butyl alcohol	5.25	59	67	1.070	ug/l #	69
13) Acrolein	4.00	56	71	1.341	ug/l #	57
16) Acetone	4.17	43	4792	22.566	ug/l	98
25) 2-Butanone	7.23	43	1338	4.877	ug/l #	49
31) Cyclohexane	7.99	56	2545	1.447	ug/l #	66
36) 1,1-Dichloropropene	7.98	75	7505	4.605	ug/l #	53
38) Carbon Tetrachloride	7.98	117	10207	5.853	ug/l #	20
59) 2-Hexanone	10.98	43	508	1.052	ug/l #	26
68) m/p-Xylenes	11.86	106	3219	1.350	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.75	83	1030	1.030	ug/l #	32
76) 1,2,3-Trichloropropane	12.64	75	40263	55.262	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	40263	109.771	ug/l #	10

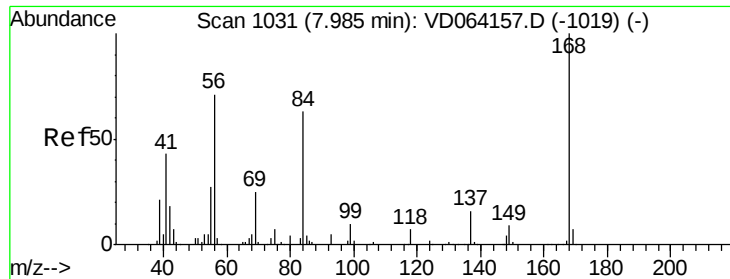
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112519\
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Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064368.D

Acq: 25 Nov 2019 18:54

Instrument :

MSVOA_D

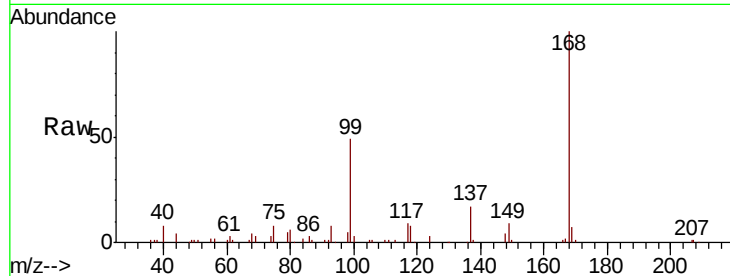
ClientSampleId :

Tot Ion:168 Resp: 108990

Ion Ratio Lower Upper

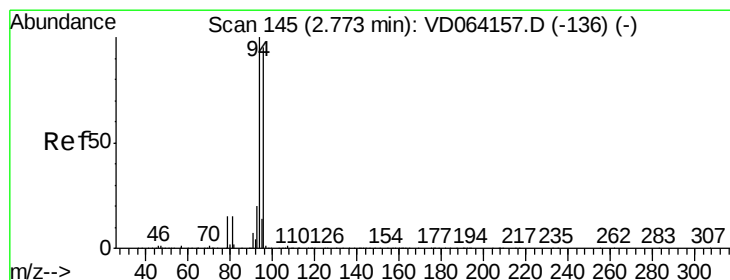
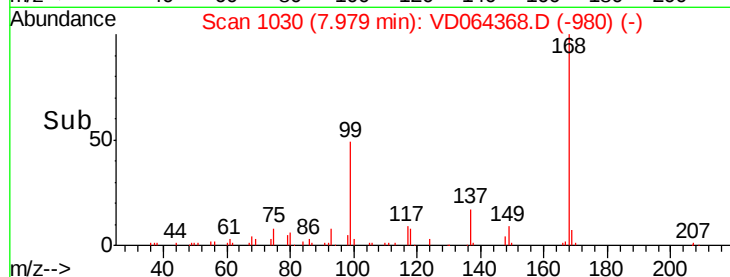
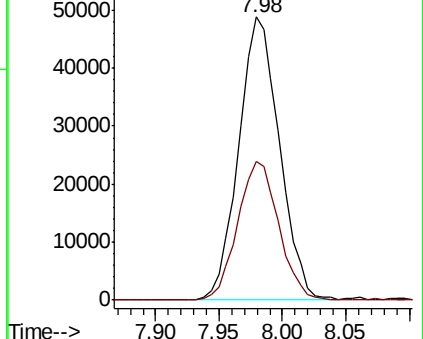
168 100

99 49.0 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#5

Bromomethane

Concen: 1.405 ug/l

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD064368.D

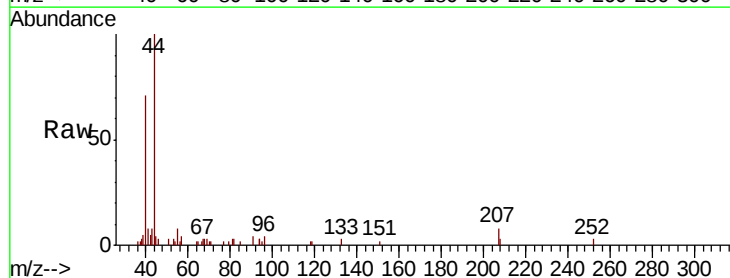
Acq: 25 Nov 2019 18:54

Tgt Ion: 94 Resp: 920

Ion Ratio Lower Upper

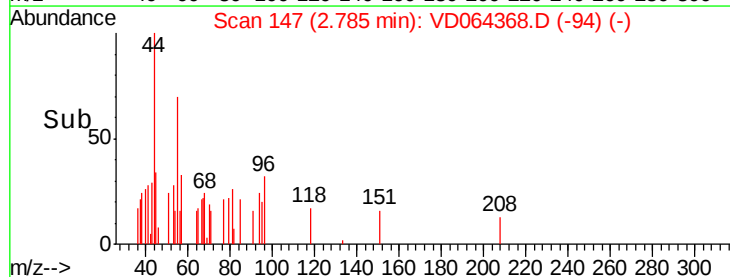
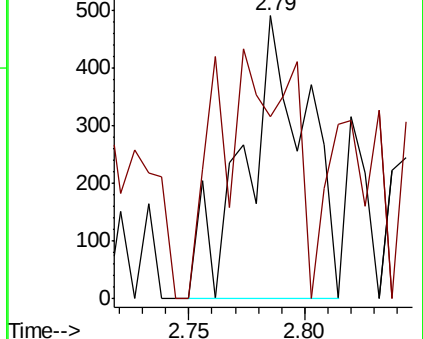
94 100

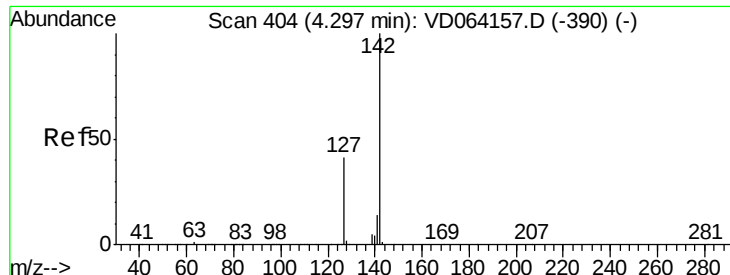
96 64.6 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

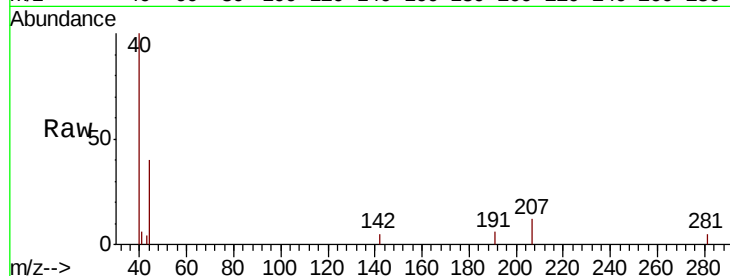




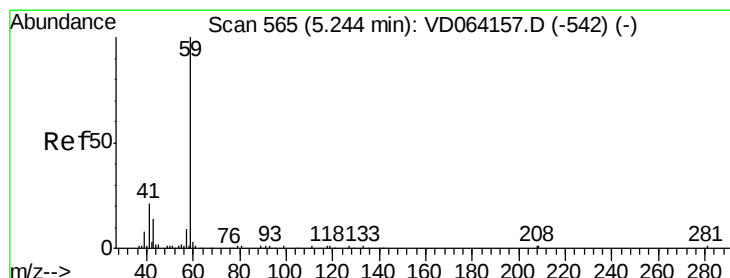
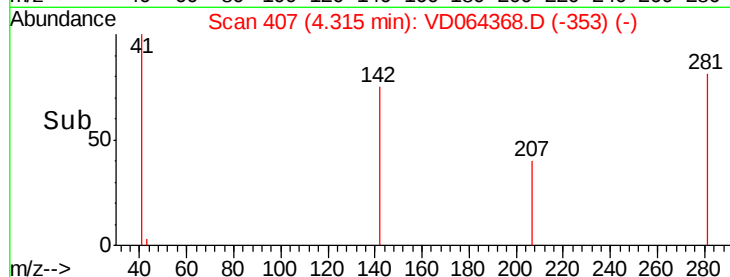
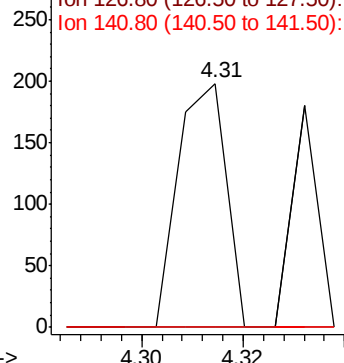
#10
Methyl Iodide
Concen: 2.147 ug/l
RT: 4.31 min Scan# 407
Delta R.T. 0.02 min
Lab File: VD064368.D
Acq: 25 Nov 2019 18:54

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
142	100		
127	0.0	34.4	51.6#
141	0.0	11.2	16.8#

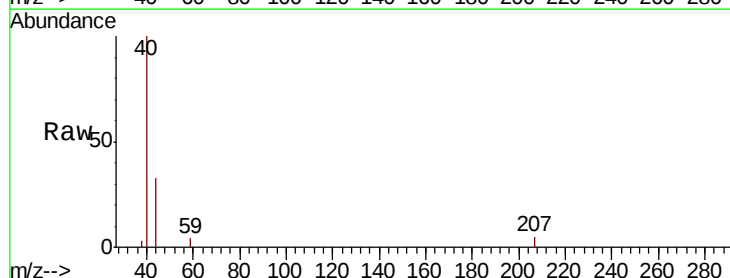


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

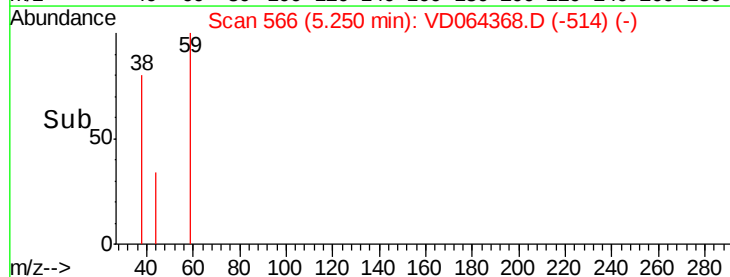
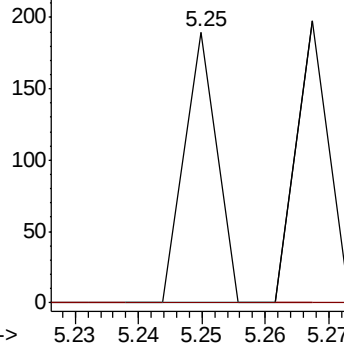


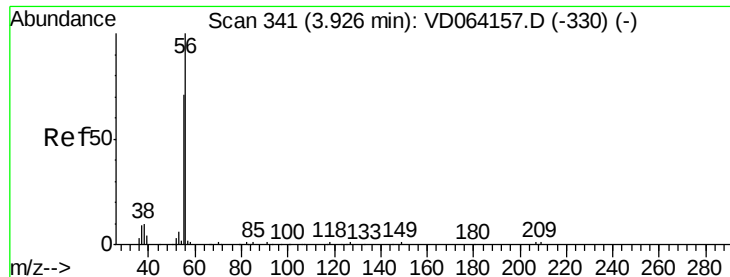
#11
Tert butyl alcohol
Concen: 1.070 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD064368.D
Acq: 25 Nov 2019 18:54

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.4	14.2#



Abundance Ion 59.00 (58.70 to 59.70): VDC
Ion 57.00 (56.70 to 57.70): VDC





#13

Acrolein

Concen: 1.341 ug/l

RT: 4.00 min Scan# 354

Delta R.T. 0.08 min

Lab File: VD064368.D

Acq: 25 Nov 2019 18:54

Instrument :

MSVOA_D

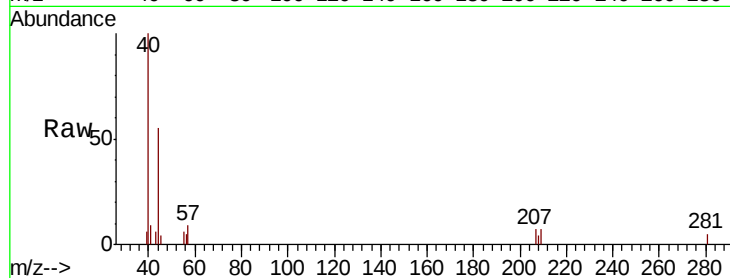
ClientSampleId :

Tot Ion: 56 Resp: 71

Ion Ratio Lower Upper

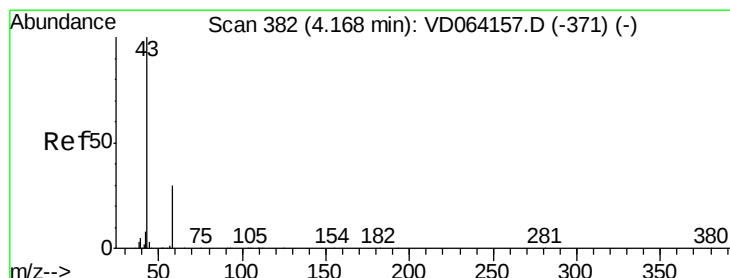
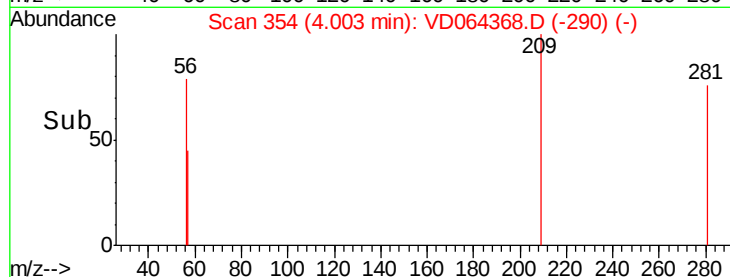
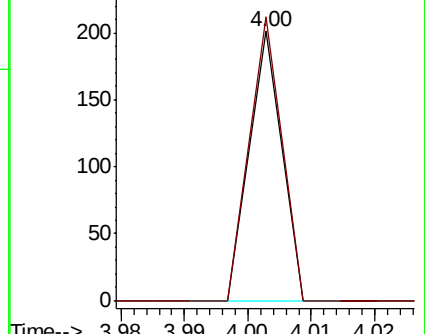
56 100

55 105.6 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 22.566 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064368.D

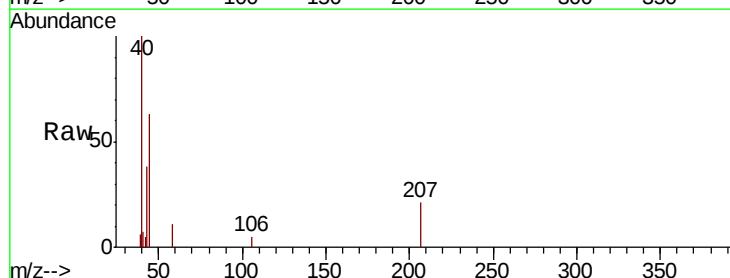
Acq: 25 Nov 2019 18:54

Tgt Ion: 43 Resp: 4792

Ion Ratio Lower Upper

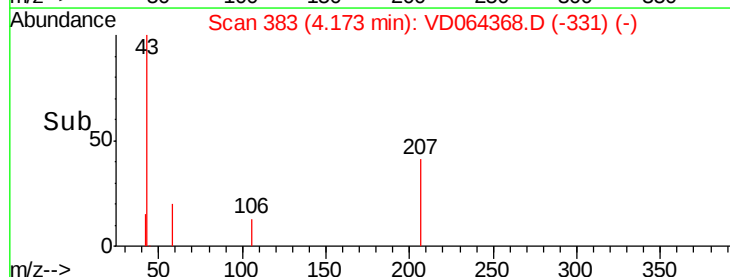
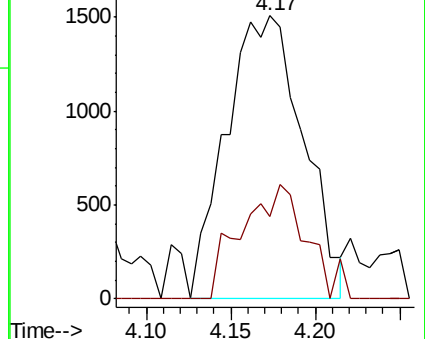
43 100

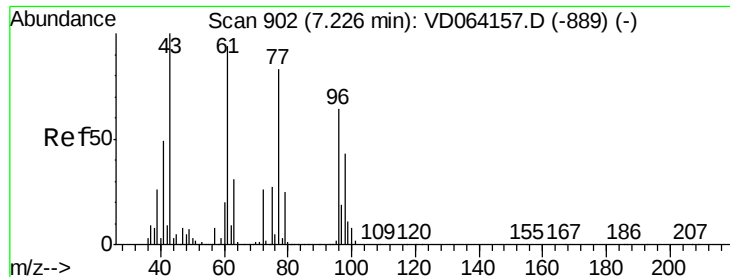
58 29.1 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#25

2-Butanone

Concen: 4.877 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD064368.D

Acq: 25 Nov 2019 18:54

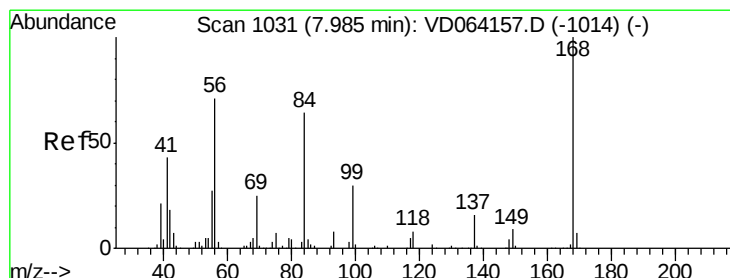
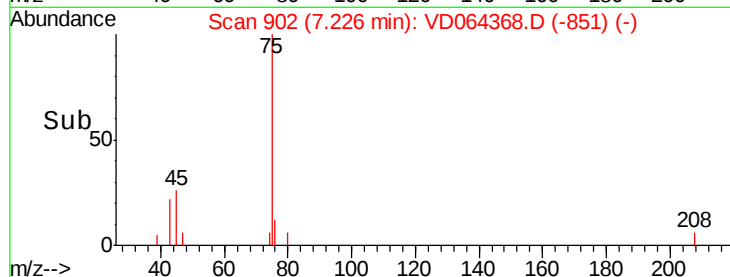
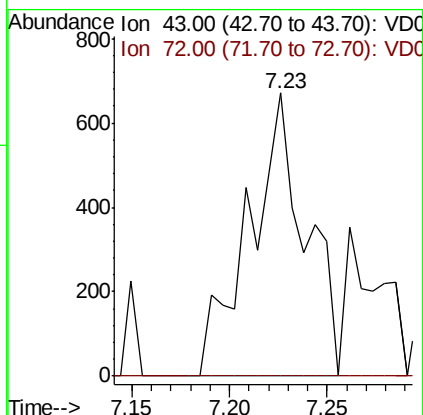
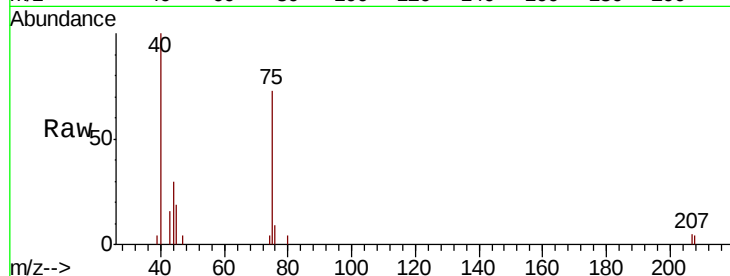
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 1338

Ion Ratio Lower Upper

43 100

72 0.0 20.6 30.8#



#31

Cyclohexane

Concen: 1.447 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD064368.D

Acq: 25 Nov 2019 18:54

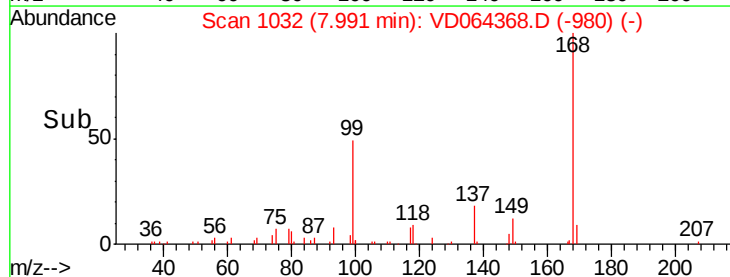
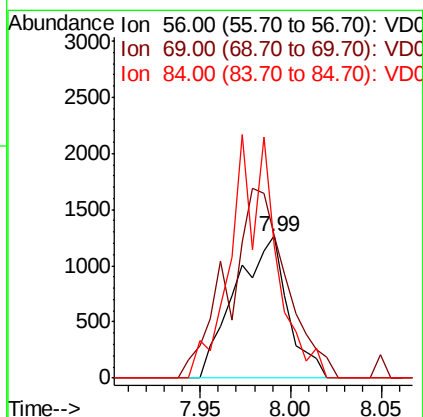
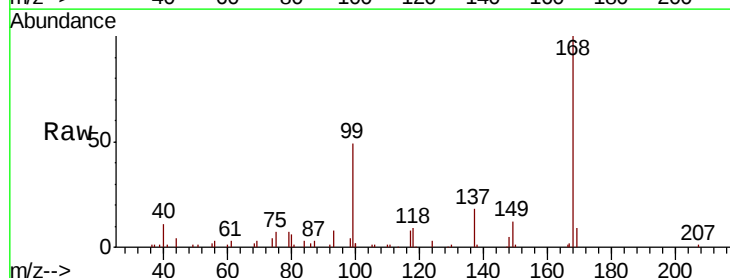
Tgt Ion: 56 Resp: 2545

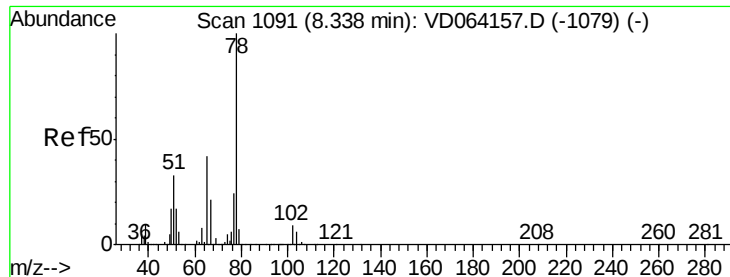
Ion Ratio Lower Upper

56 100

69 100.4 28.2 42.4#

84 92.9 71.8 107.6





#33

1,2-Dichloroethane-d4

Concen: 82.419 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064368.D

Acq: 25 Nov 2019 18:54

Instrument :

MSVOA_D

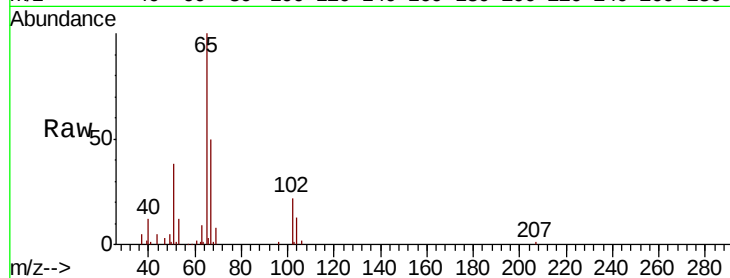
ClientSampleId :

Tot Ion: 65 Resp: 73879

Ion Ratio Lower Upper

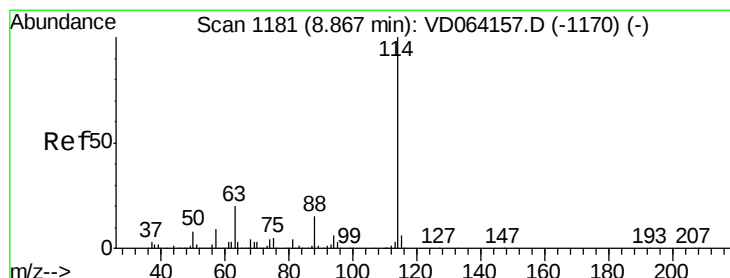
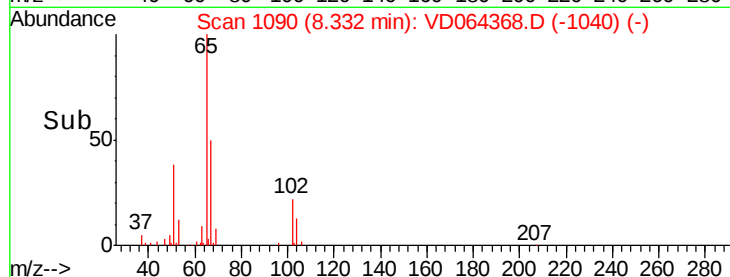
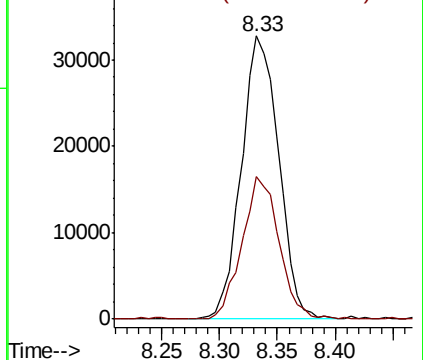
65 100

67 49.8 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: VD064368.D

Acq: 25 Nov 2019 18:54

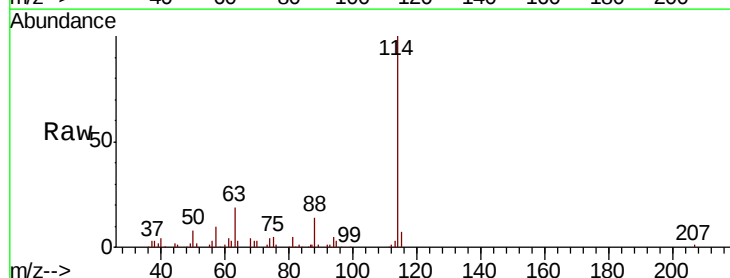
Tgt Ion: 114 Resp: 176583

Ion Ratio Lower Upper

114 100

63 18.5 0.0 40.0

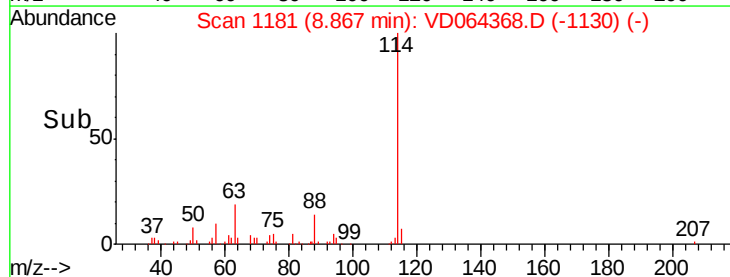
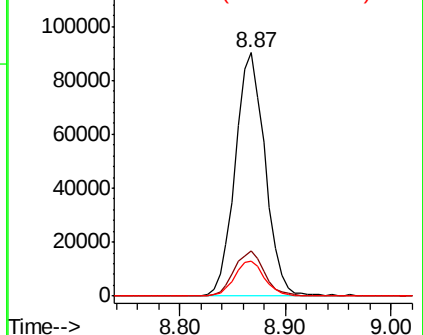
88 14.5 0.0 30.2

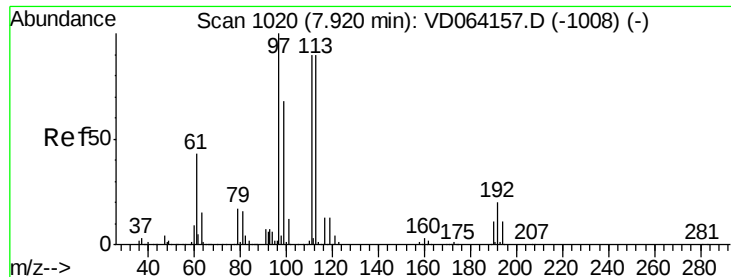


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 58.288 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD064368.D

Acq: 25 Nov 2019 18:54

Instrument :
MSVOA_D
ClientSampleId :

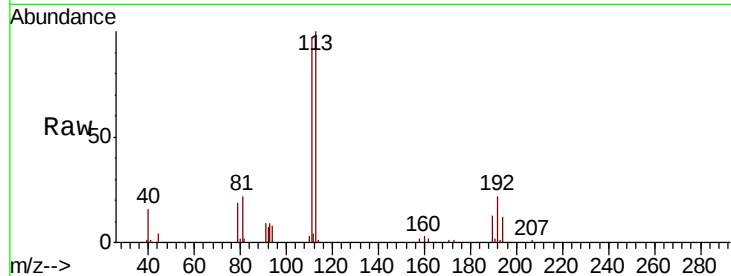
Tot Ion:113 Resp: 59082

Ion Ratio Lower Upper

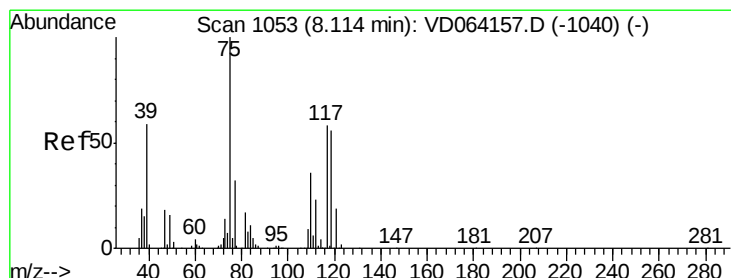
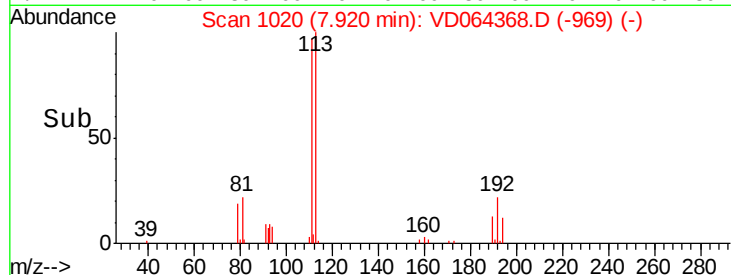
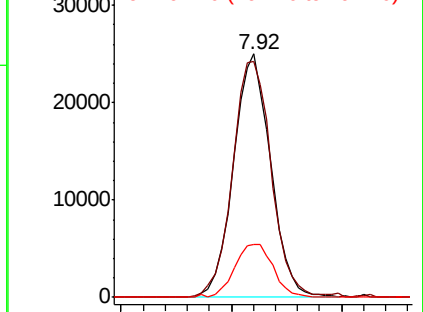
113 100

111 101.7 81.5 122.3

192 22.8 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: 4.605 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD064368.D

Acq: 25 Nov 2019 18:54

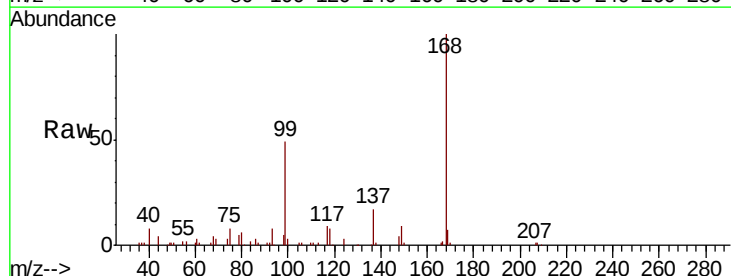
Tgt Ion: 75 Resp: 7505

Ion Ratio Lower Upper

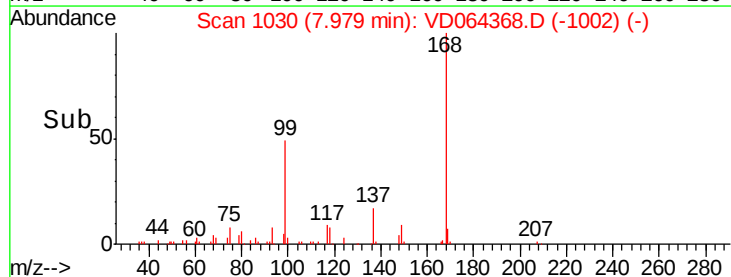
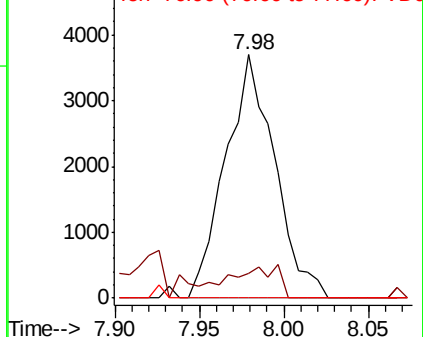
75 100

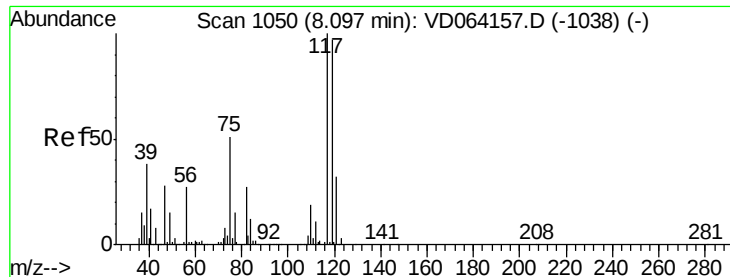
110 13.2 18.3 54.9#

77 0.0 25.0 37.6#



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





#38

Carbon Tetrachloride

Concen: 5.853 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064368.D

Acq: 25 Nov 2019 18:54

Instrument :

MSVOA_D

ClientSampleId :

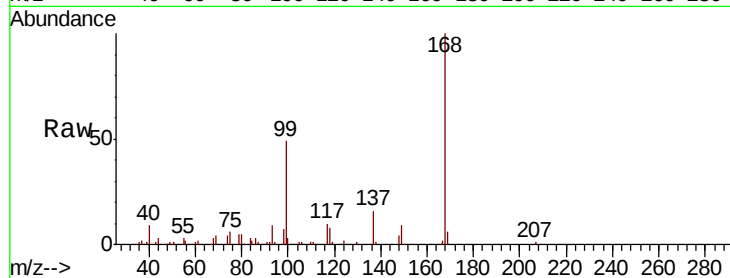
Tot Ion:117 Resp: 10207

Ion Ratio Lower Upper

117 100

119 10.9 77.2 115.8#

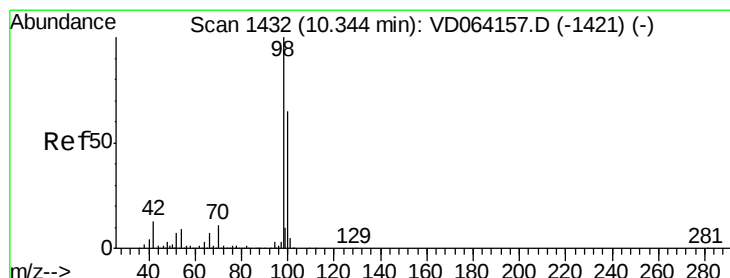
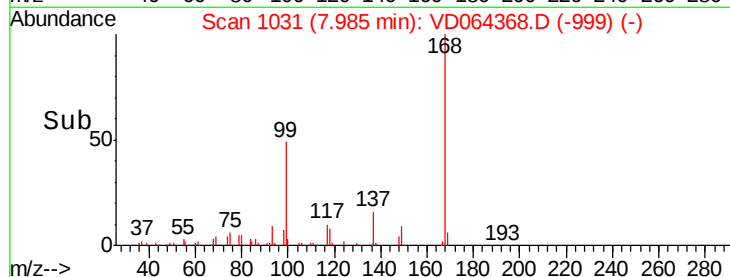
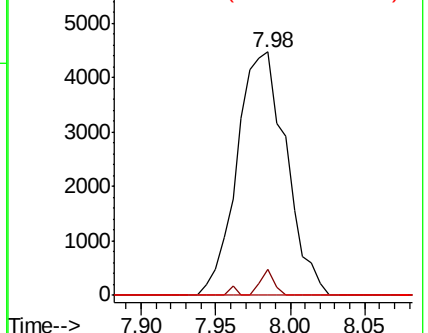
121 0.0 25.5 38.3#



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: 54.029 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD064368.D

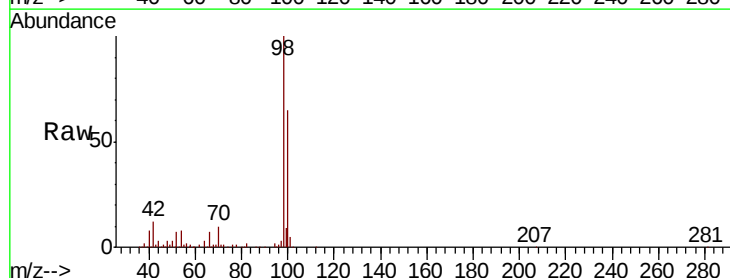
Acq: 25 Nov 2019 18:54

Tgt Ion: 98 Resp: 206594

Ion Ratio Lower Upper

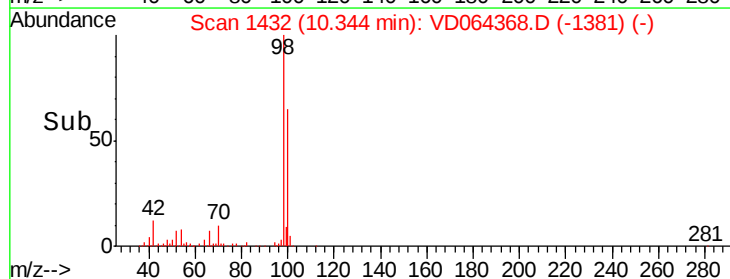
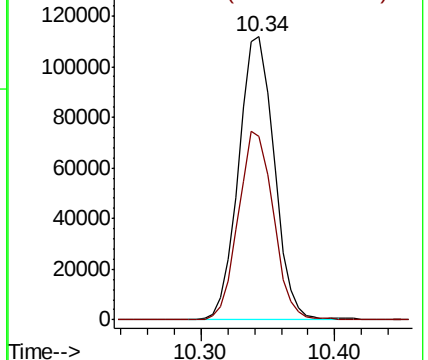
98 100

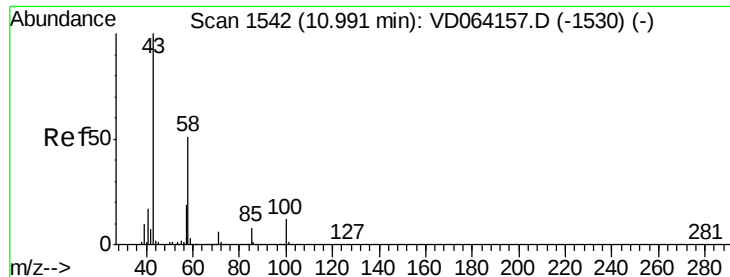
100 65.7 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VD





#59

2-Hexanone

Concen: 1.052 ug/l

RT: 10.98 min Scan# 1541

Delta R.T. -0.01 min

Lab File: VD064368.D

Acq: 25 Nov 2019 18:54

Instrument :

MSVOA_D

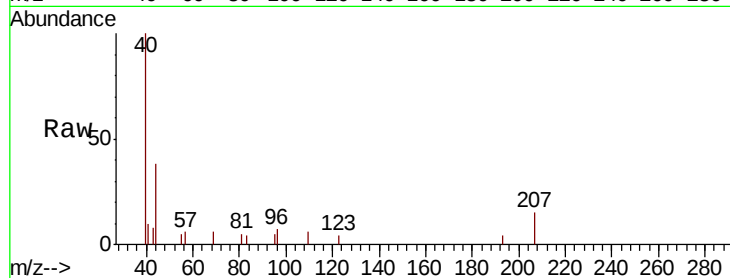
ClientSampleId :

Tot Ion: 43 Resp: 508

Ion Ratio Lower Upper

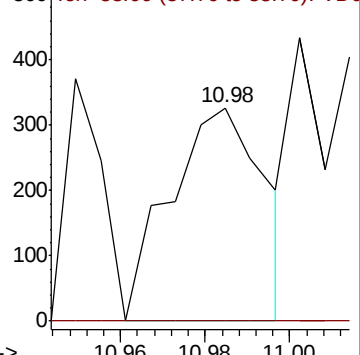
43 100

58 0.0 25.9 77.7#

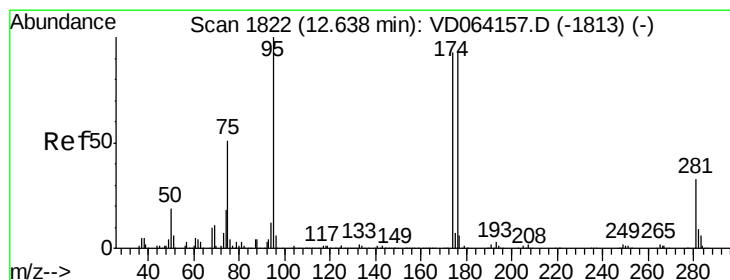
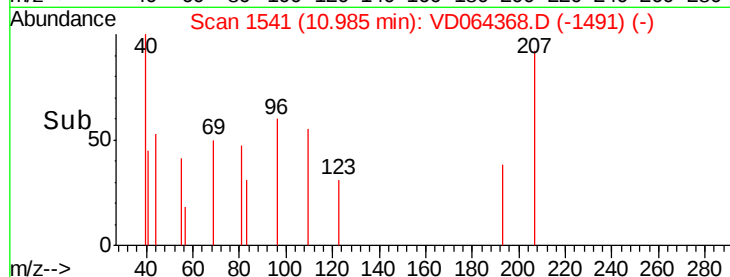


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



Time-->



#62

4-Bromofluorobenzene

Concen: 57.217 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064368.D

Acq: 25 Nov 2019 18:54

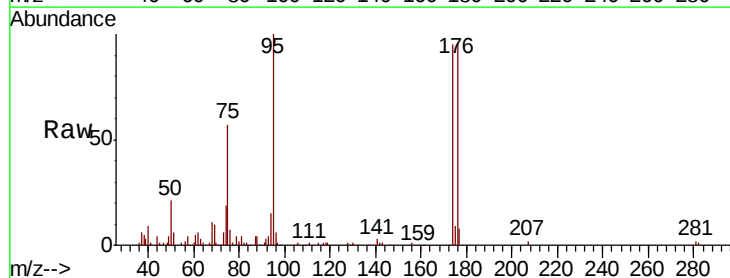
Tgt Ion: 95 Resp: 75767

Ion Ratio Lower Upper

95 100

174 98.3 0.0 183.6

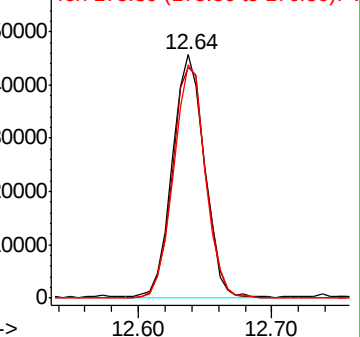
176 95.3 0.0 180.2



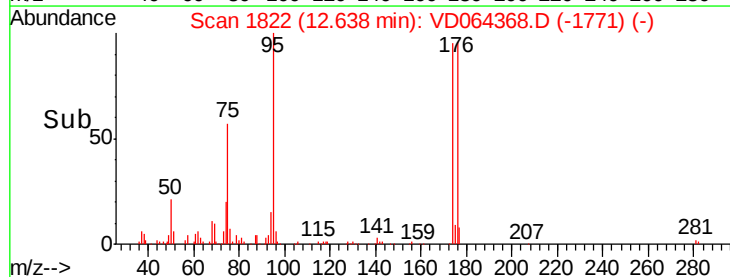
Abundance Ion 94.90 (94.60 to 95.60): VDC

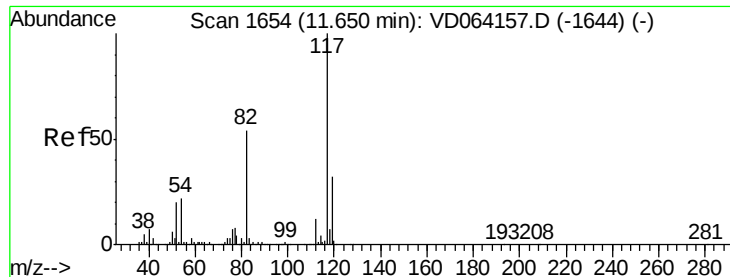
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

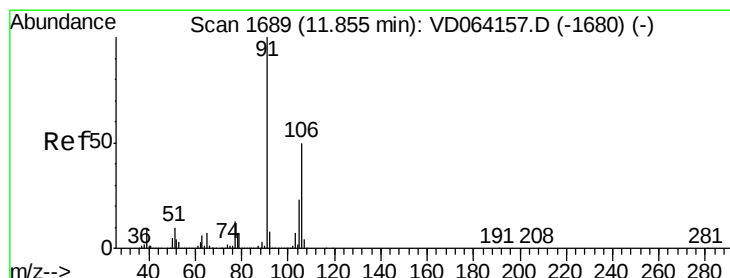
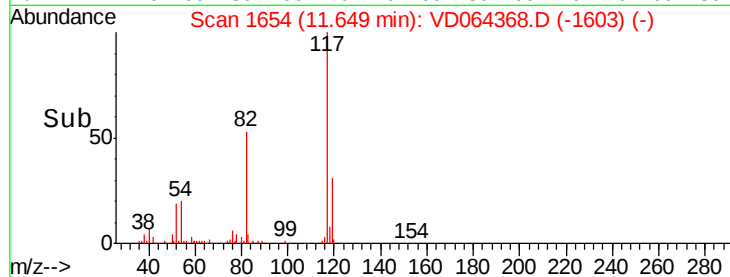
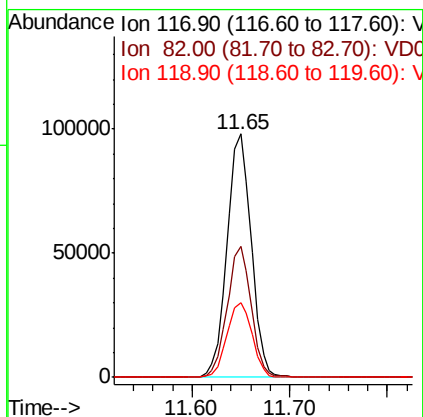
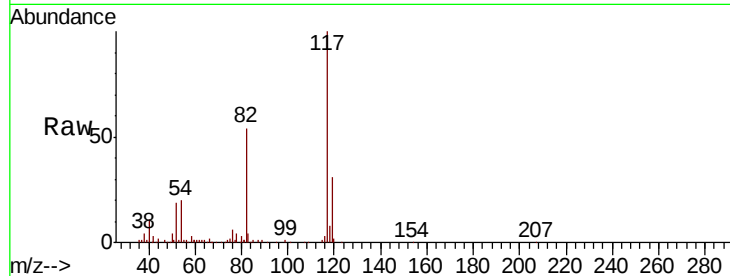




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064368.D
Acq: 25 Nov 2019 18:54

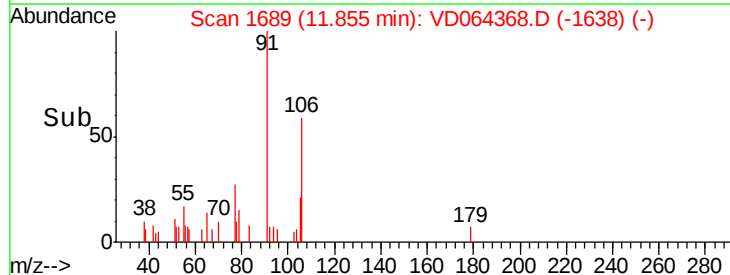
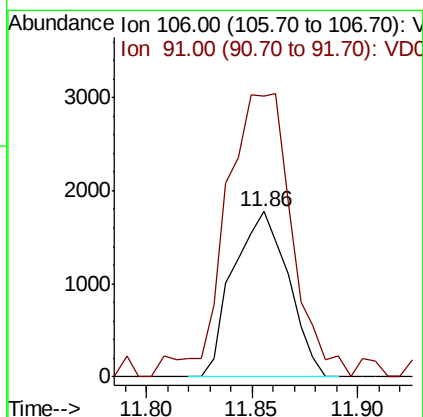
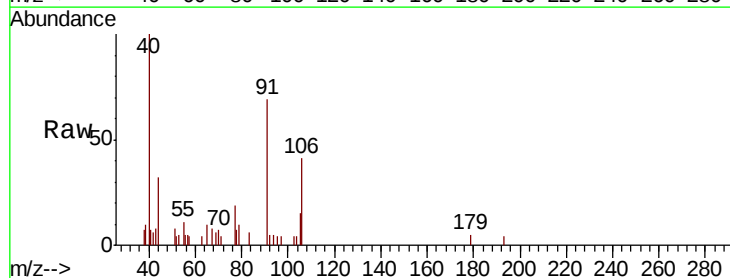
Instrument :
MSVOA_D
ClientSampleId :

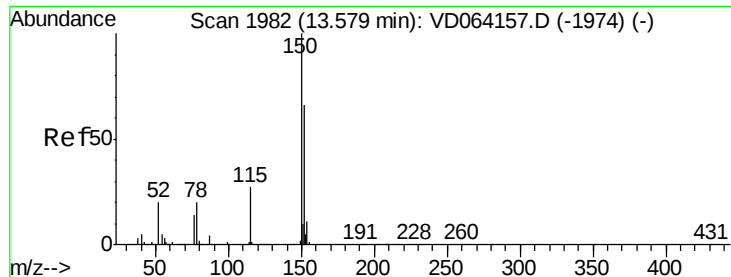
Tot Ion:117 Resp: 169091
Ion Ratio Lower Upper
117 100
82 53.6 42.8 64.2
119 30.8 25.6 38.4



#68
m/p-Xylenes
Concen: 1.350 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD064368.D
Acq: 25 Nov 2019 18:54

Tgt Ion:106 Resp: 3219
Ion Ratio Lower Upper
106 100
91 205.8 160.3 240.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD064368.D

Acq: 25 Nov 2019 18:54

Instrument :

MSVOA_D

ClientSampleId :

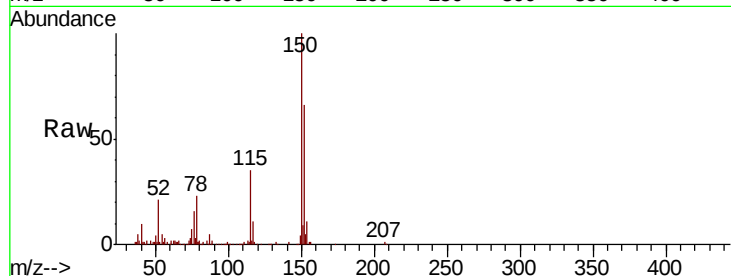
Tot Ion:152 Resp: 90455

Ion Ratio Lower Upper

152 100

115 54.2 27.4 82.2

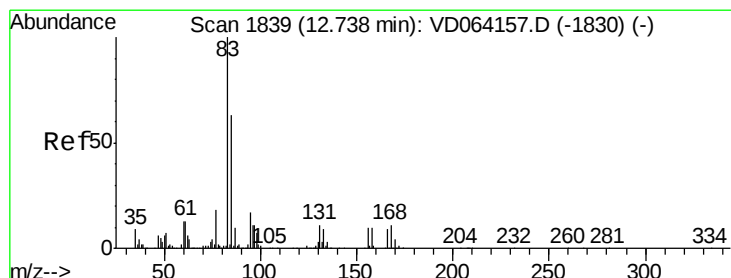
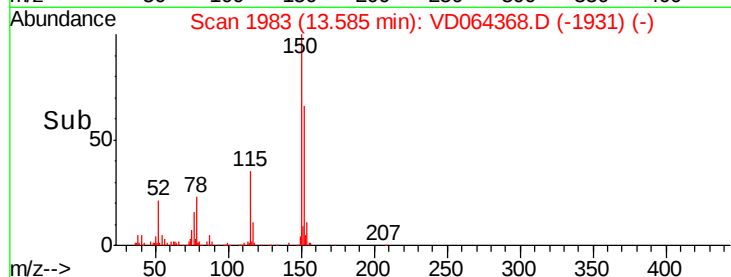
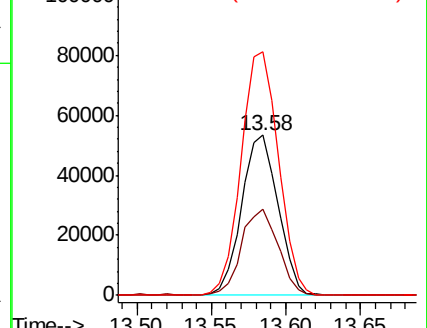
150 156.0 0.0 351.6



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



#75

1,1,2,2-Tetrachloroethane

Concen: 1.030 ug/l

RT: 12.75 min Scan# 1841

Delta R.T. 0.01 min

Lab File: VD064368.D

Acq: 25 Nov 2019 18:54

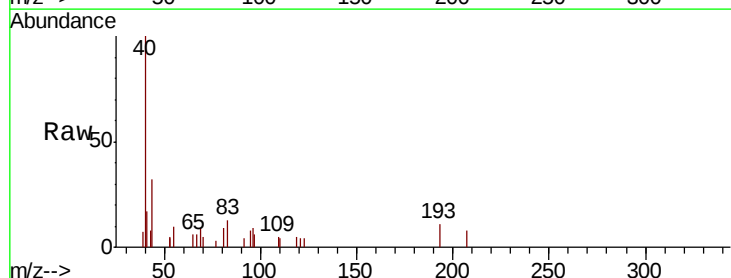
Tgt Ion: 83 Resp: 1030

Ion Ratio Lower Upper

83 100

131 0.0 5.9 17.7#

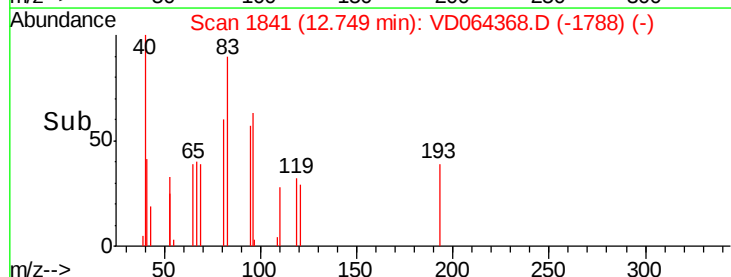
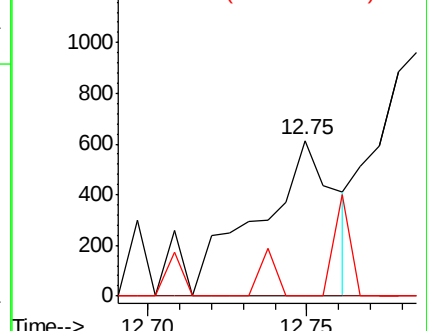
85 6.4 32.5 97.5#

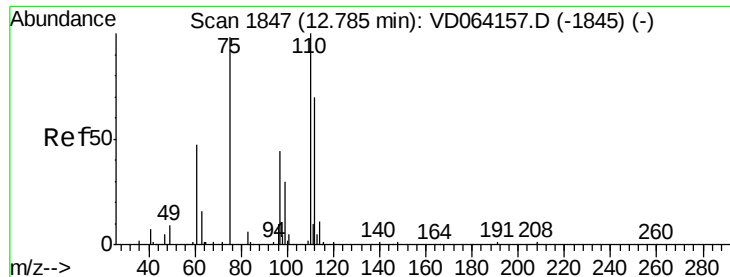


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 55.262 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064368.D

Acq: 25 Nov 2019 18:54

Instrument :

MSVOA_D

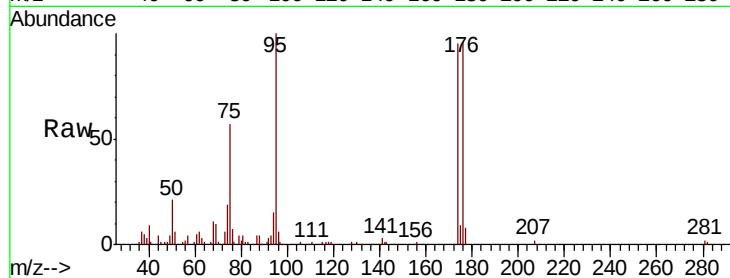
ClientSampleId :

Tot Ion: 75 Resp: 40263

Ion Ratio Lower Upper

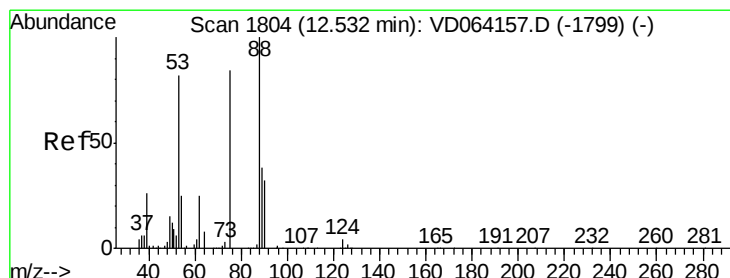
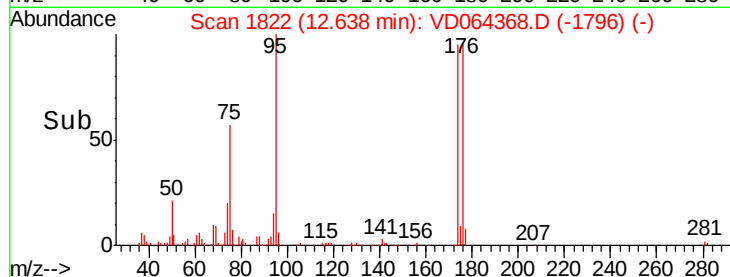
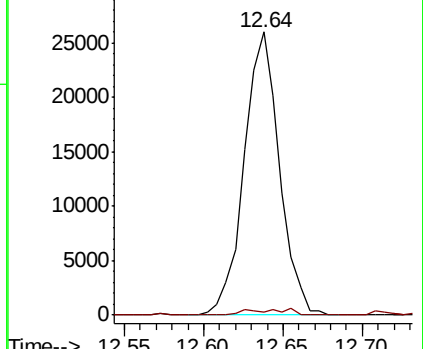
75 100

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: 109.771 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064368.D

Acq: 25 Nov 2019 18:54

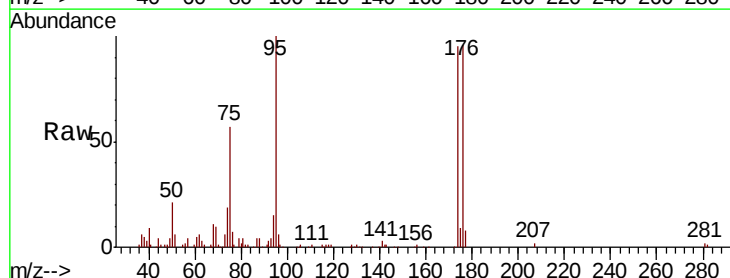
Tgt Ion: 75 Resp: 40263

Ion Ratio Lower Upper

75 100

53 0.3 79.4 119.0#

89 0.4 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

