

Data File : VD064232.D
Acq On : 15 Nov 2019 17:30
Operator : VA/SY
Sample : K5864-09
Misc : 5.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SB-05-7.5-8.0

Quant Time: Nov 16 04:53:12 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	441156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	668282	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	641870	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	345137	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	285379	78.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	157.30%	
35) Dibromofluoromethane	7.92	113	226292	58.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.98%	
50) Toluene-d8	10.34	98	794002	54.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.74%	
62) 4-Bromofluorobenzene	12.64	95	291963	58.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.52%	

Target Compounds

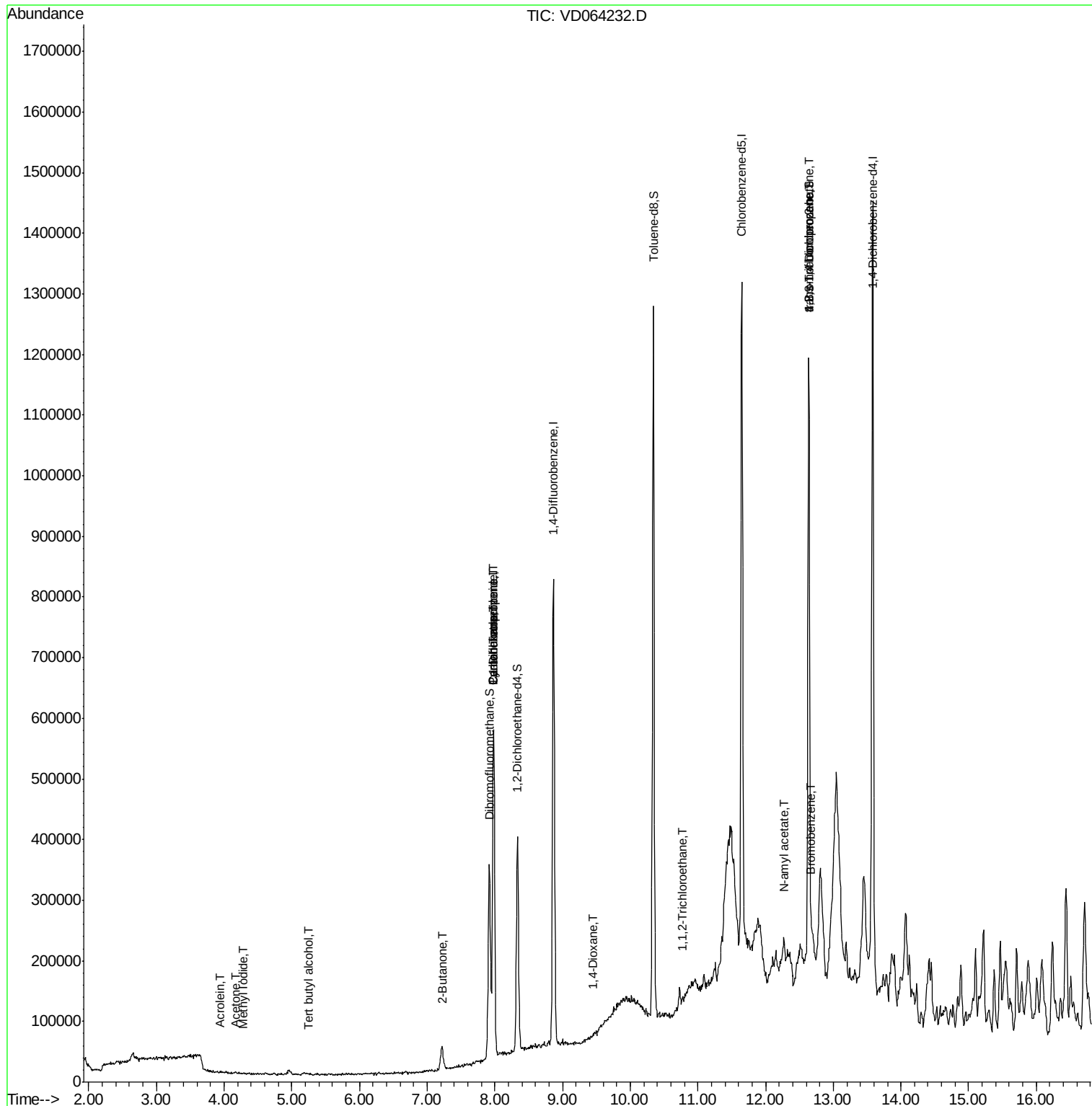
						Qvalue
10) Methyl Iodide	4.28	142	117	2.057	ug/l #	1
11) Tert butyl alcohol	5.24	59	527	2.080	ug/l #	1
13) Acrolein	3.93	56	287	1.339	ug/l #	15
16) Acetone	4.17	43	4591	5.341	ug/l	99
25) 2-Butanone	7.23	43	2262	2.037	ug/l	95
31) Cyclohexane	7.98	56	8694	1.221	ug/l #	6
36) 1,1-Dichloropropene	7.98	75	29460	4.777	ug/l #	50
38) Carbon Tetrachloride	7.98	117	40136	6.082	ug/l #	16
49) 1,4-Dioxane	9.46	88	55	2.085	ug/l #	1
55) 1,1,2-Trichloroethane	10.78	97	3167	1.063	ug/l #	28
74) N-amyl acetate	12.27	43	9099	1.521	ug/l #	27
76) 1,2,3-Trichloropropane	12.64	75	155363	55.887	ug/l #	100
77) Bromobenzene	12.68	156	67589	10.982	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	155363	111.012	ug/l #	10

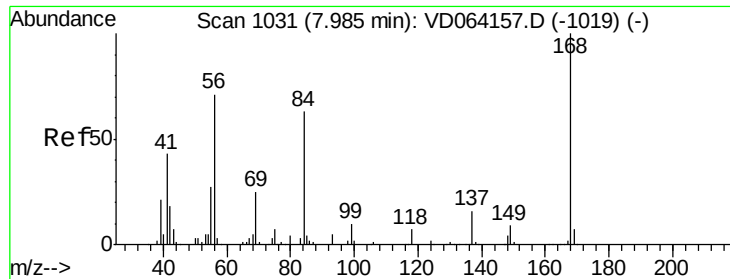
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064232.D

Acq: 15 Nov 2019 17:30

Instrument :

MSVOA_D

ClientSampleId :

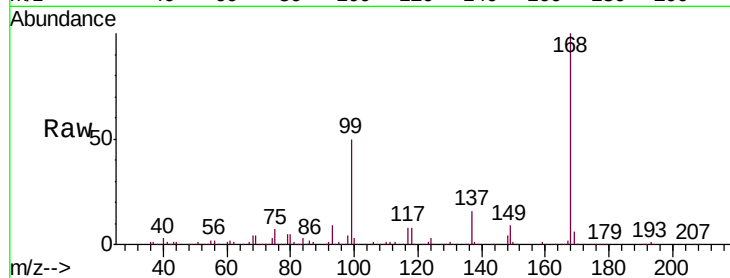
SB-05-7.5-8.0

Tgt Ion:168 Resp: 441156

Ion Ratio Lower Upper

168 100

99 49.5 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

200000

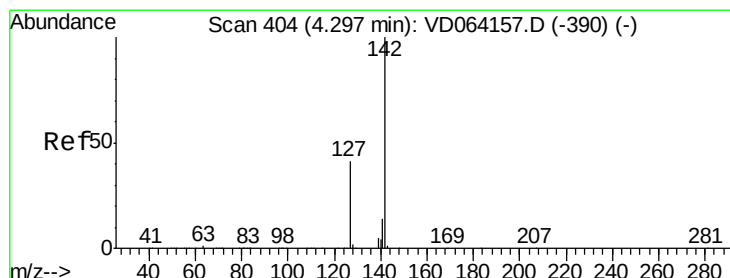
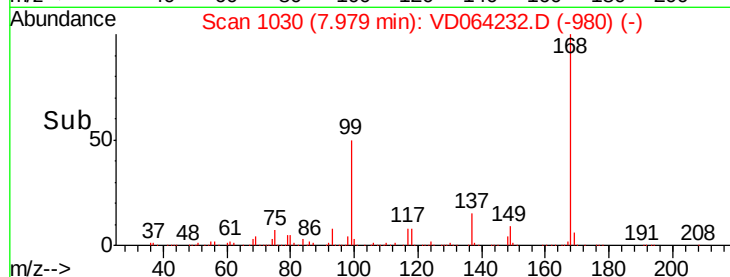
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 2.057 ug/l

RT: 4.28 min Scan# 401

Delta R.T. -0.02 min

Lab File: VD064232.D

Acq: 15 Nov 2019 17:30

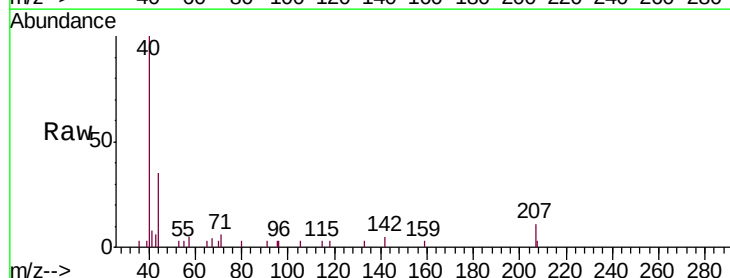
Tgt Ion:142 Resp: 117

Ion Ratio Lower Upper

142 100

127 0.0 34.4 51.6#

141 101.7 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

4.28

400

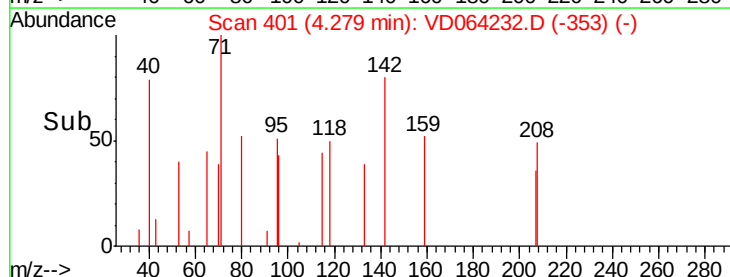
300

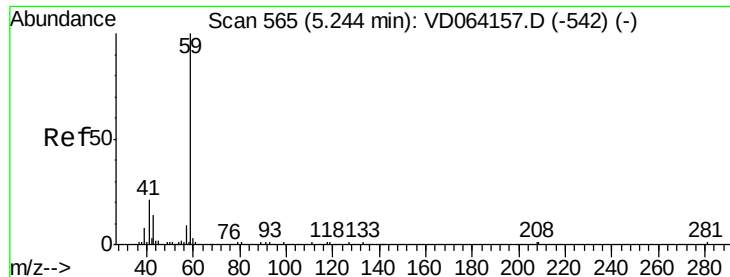
200

100

0

Time-->

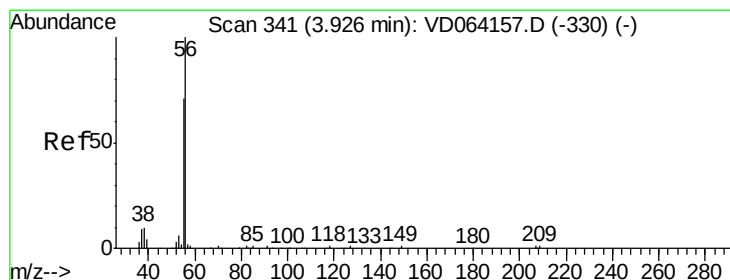
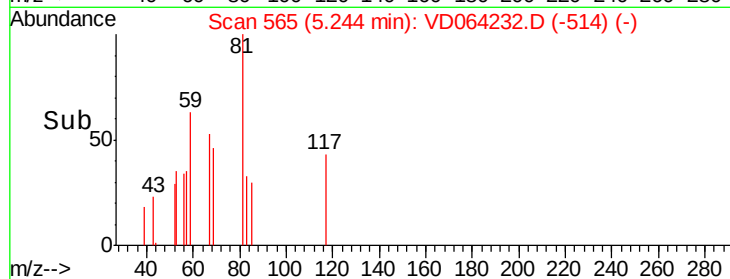
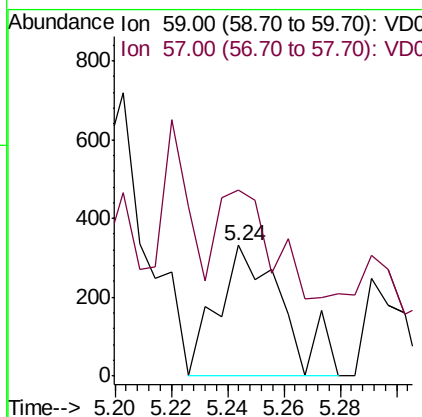
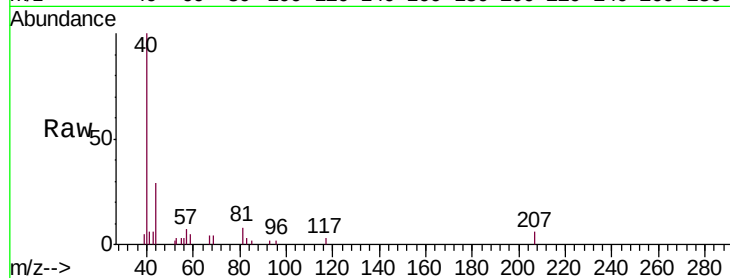




#11
Tert butyl alcohol
Concen: 2.080 ug/l
RT: 5.24 min Scan# 565
Delta R.T. 0.00 min
Lab File: VD064232.D
Acq: 15 Nov 2019 17:30

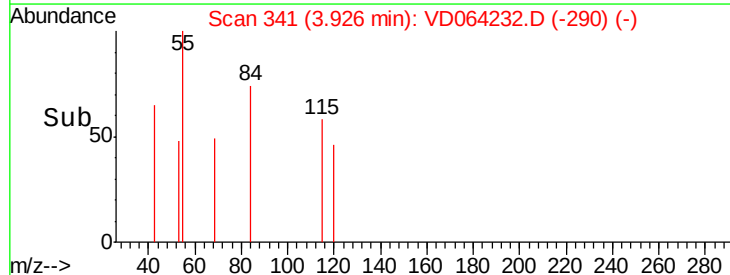
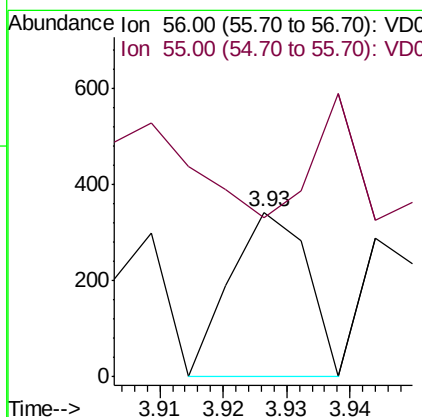
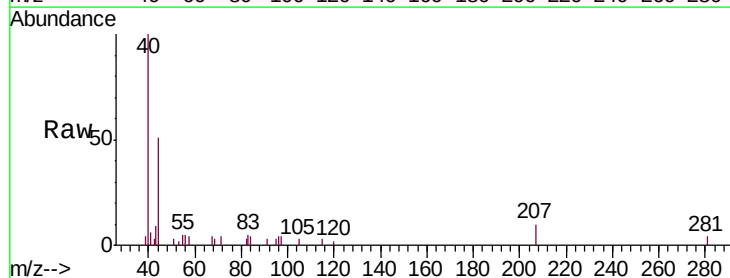
Instrument :
MSVOA_D
ClientSampleId :
SB-05-7.5-8.0

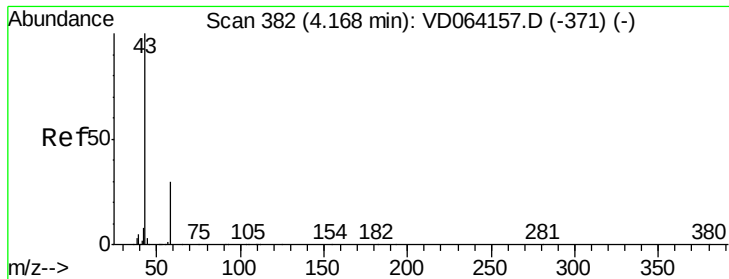
Tgt Ion: 59 Resp: 527
Ion Ratio Lower Upper
59 100
57 108.5 9.4 14.2#



#13
Acrolein
Concen: 1.339 ug/l
RT: 3.93 min Scan# 341
Delta R.T. -0.00 min
Lab File: VD064232.D
Acq: 15 Nov 2019 17:30

Tgt Ion: 56 Resp: 287
Ion Ratio Lower Upper
56 100
55 0.0 56.1 84.1#





#16

Acetone

Concen: 5.341 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064232.D

Acq: 15 Nov 2019 17:30

Instrument :

MSVOA_D

ClientSampleId :

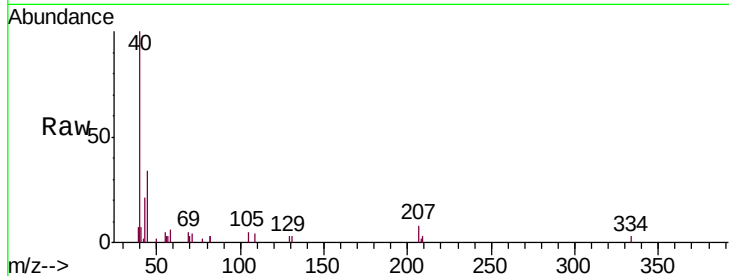
SB-05-7.5-8.0

Tgt Ion: 43 Resp: 4591

Ion Ratio Lower Upper

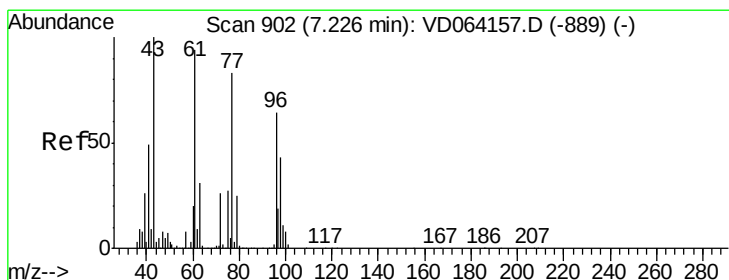
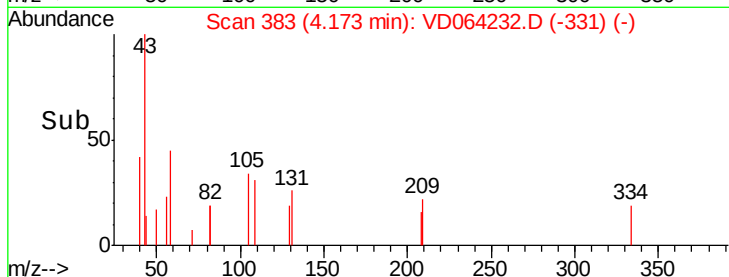
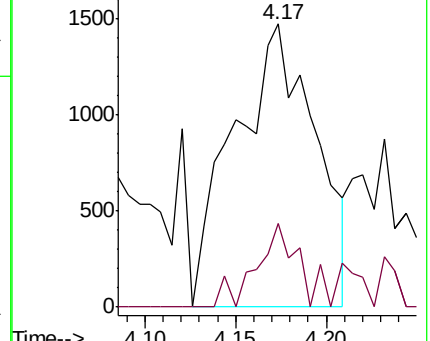
43 100

58 29.5 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: 2.037 ug/l

RT: 7.23 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD064232.D

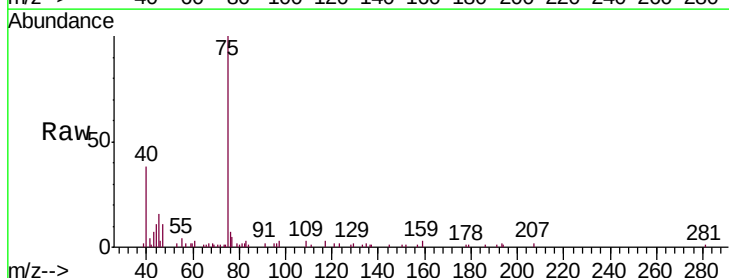
Acq: 15 Nov 2019 17:30

Tgt Ion: 43 Resp: 2262

Ion Ratio Lower Upper

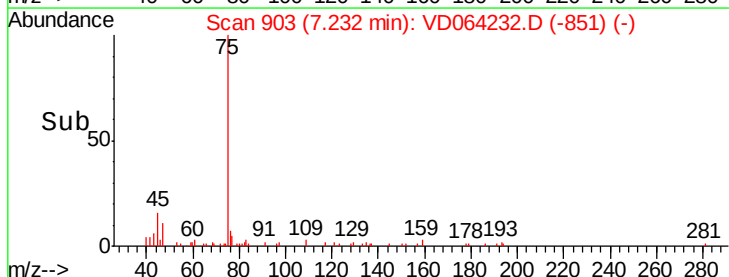
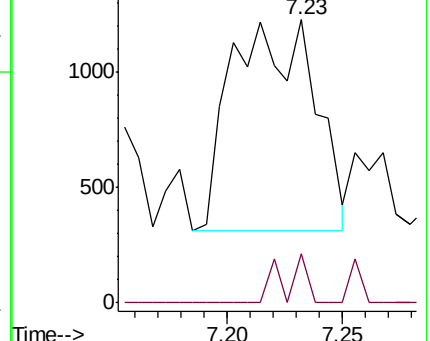
43 100

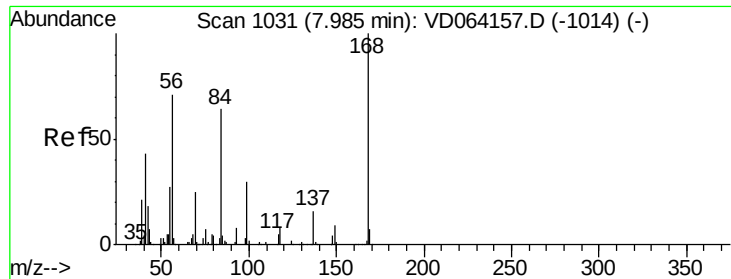
72 22.9 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

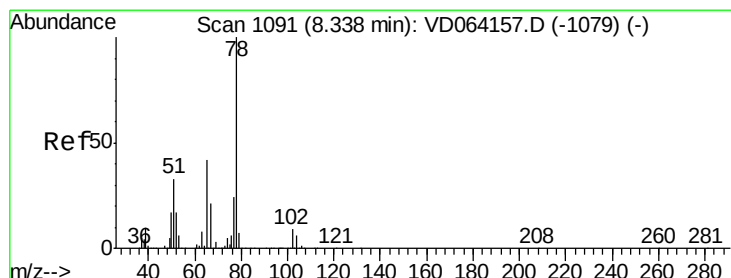
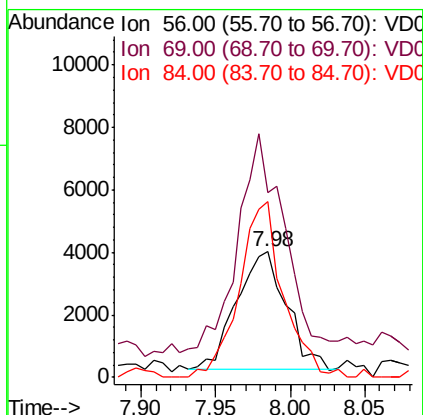
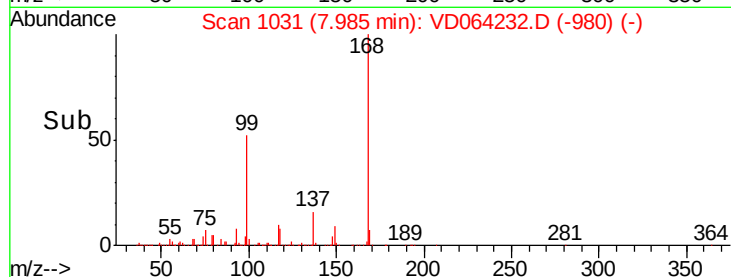
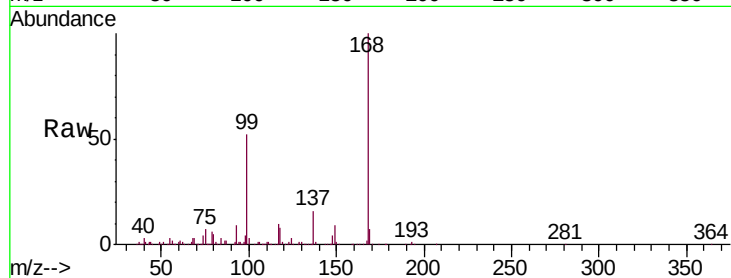




#31
Cyclohexane
Concen: 1.221 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064232.D
Acq: 15 Nov 2019 17:30

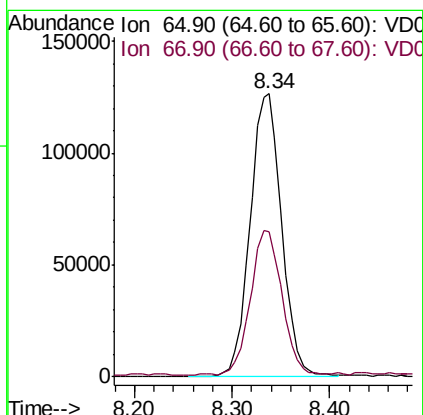
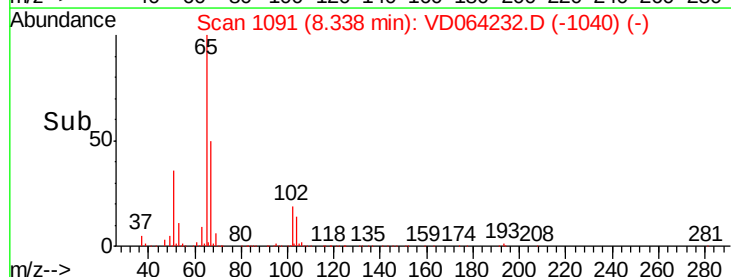
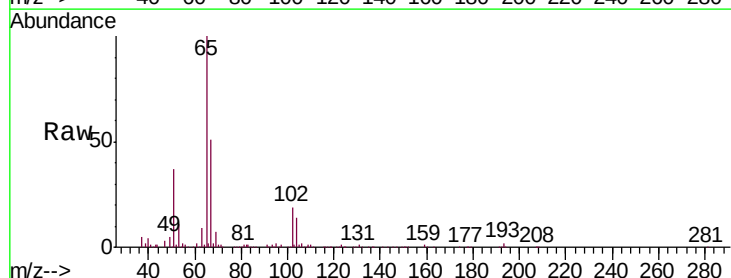
Instrument :
MSVOA_D
ClientSampleId :
SB-05-7.5-8.0

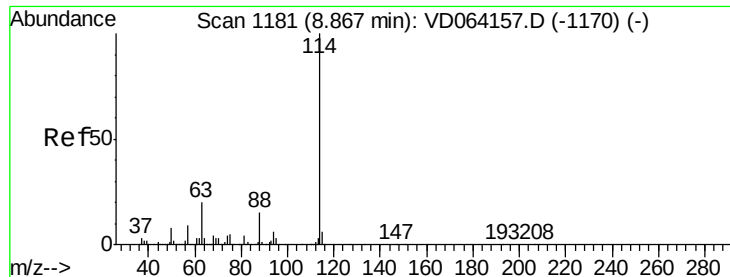
Tgt Ion: 56 Resp: 8694
Ion Ratio Lower Upper
56 100
69 133.3 28.2 42.4#
84 151.1 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 78.655 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD064232.D
Acq: 15 Nov 2019 17:30

Tgt Ion: 65 Resp: 285379
Ion Ratio Lower Upper
65 100
67 51.5 0.0 104.4

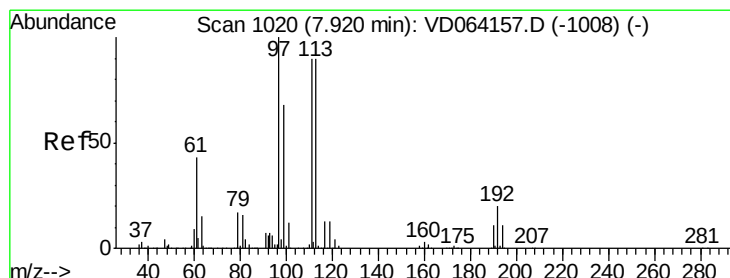
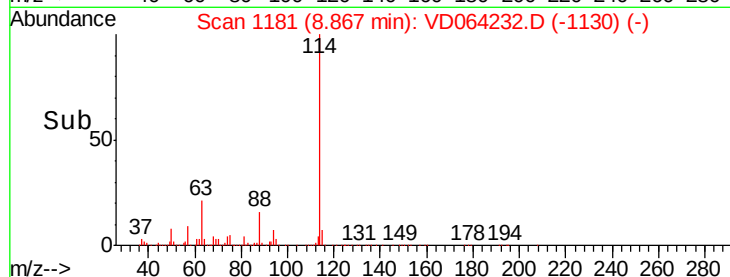
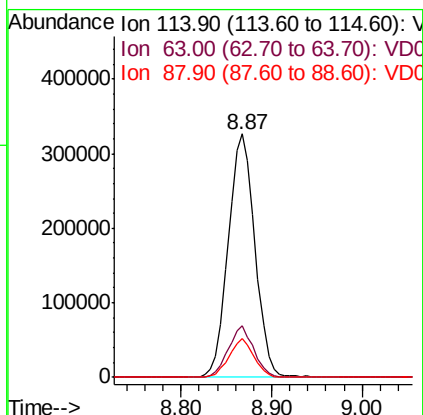
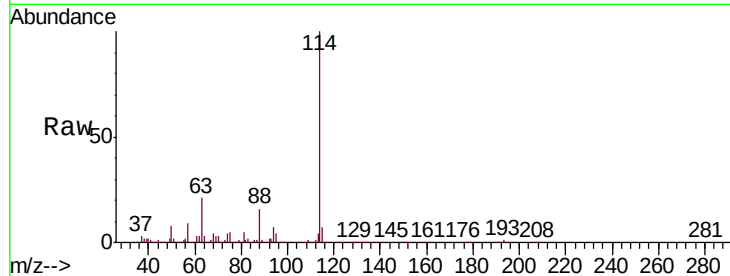




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD064232.D
Acq: 15 Nov 2019 17:30

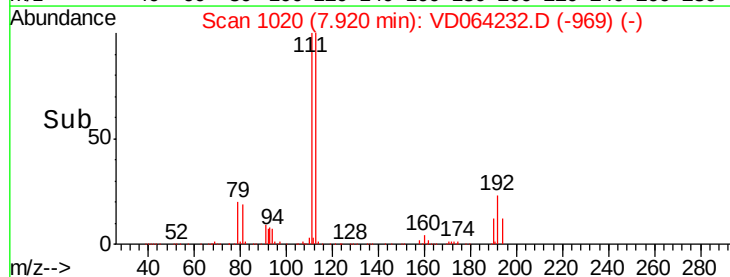
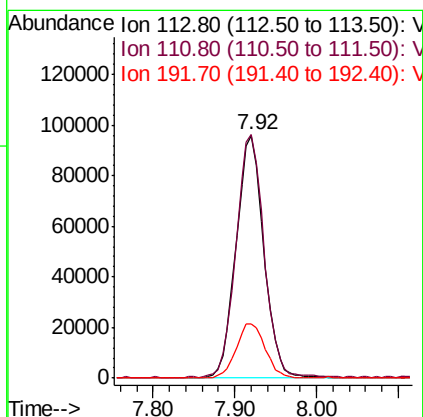
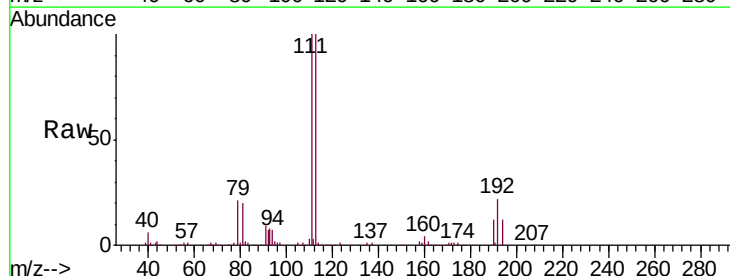
Instrument :
MSVOA_D
ClientSampleId :
SB-05-7.5-8.0

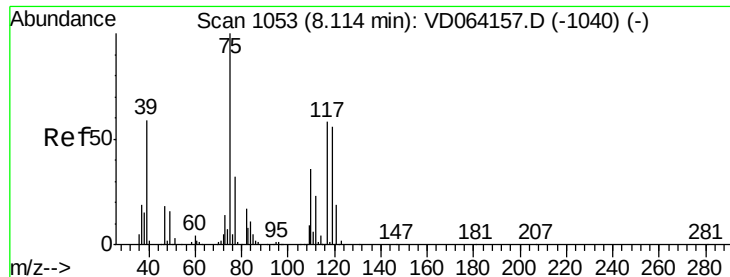
Tgt Ion:114 Resp: 668282
Ion Ratio Lower Upper
114 100
63 21.3 0.0 40.0
88 15.8 0.0 30.2



#35
Dibromofluoromethane
Concen: 58.991 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD064232.D
Acq: 15 Nov 2019 17:30

Tgt Ion:113 Resp: 226292
Ion Ratio Lower Upper
113 100
111 102.5 81.5 122.3
192 23.6 18.8 28.2

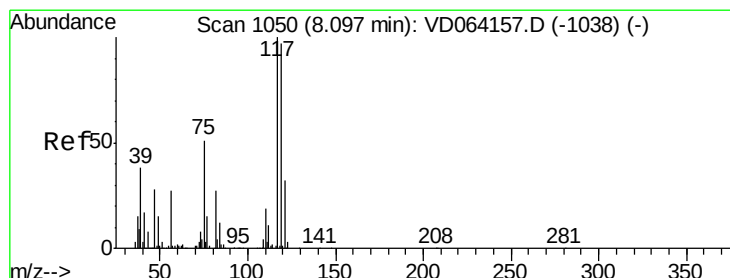
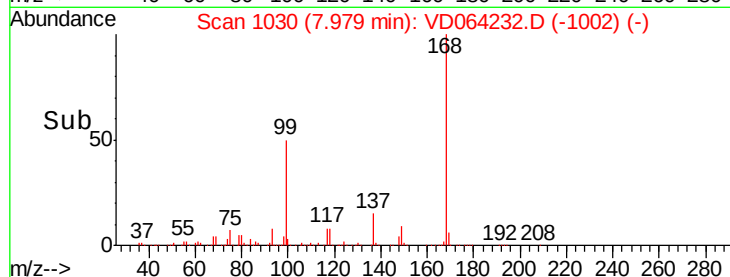
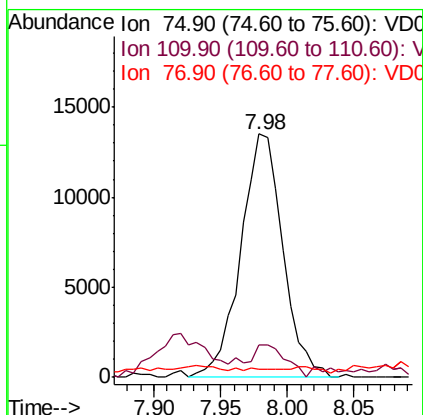
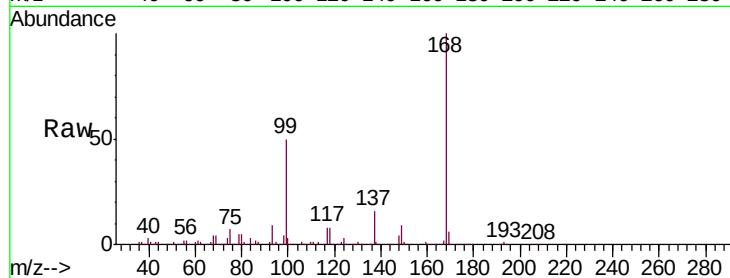




#36
 1,1-Dichloropropene
 Concen: 4.777 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064232.D
 Acq: 15 Nov 2019 17:30

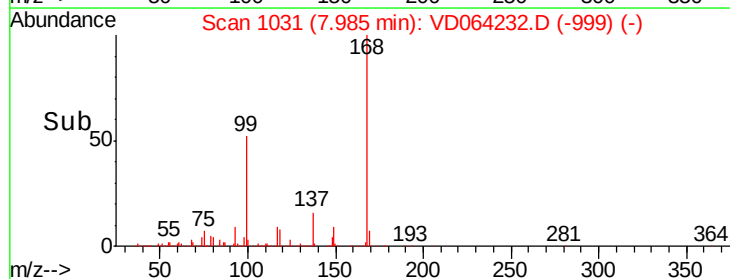
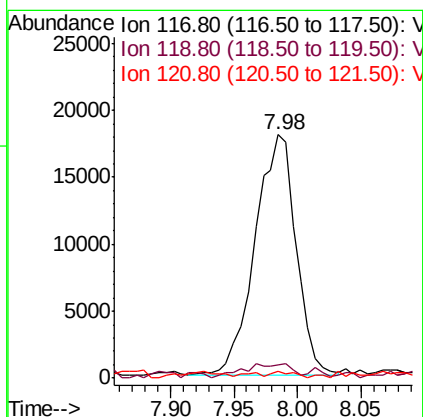
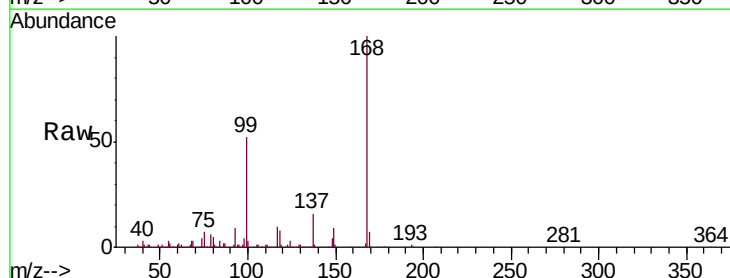
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-05-7.5-8.0

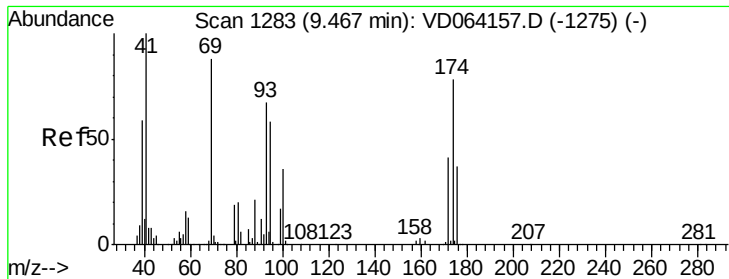
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.2	18.3	54.9#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 6.082 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD064232.D
 Acq: 15 Nov 2019 17:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	77.2	115.8#
121	1.3	25.5	38.3#

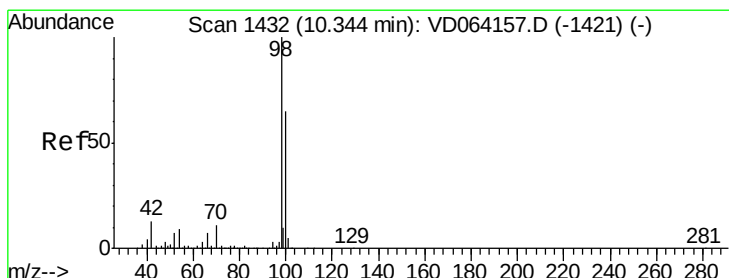
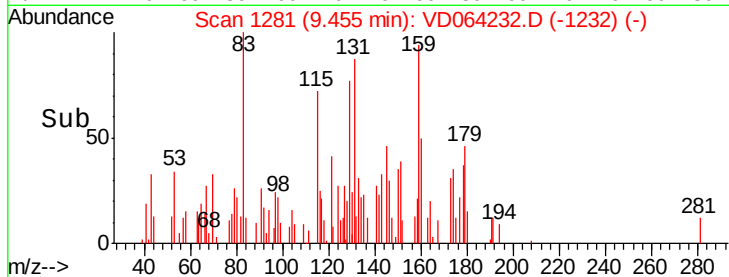
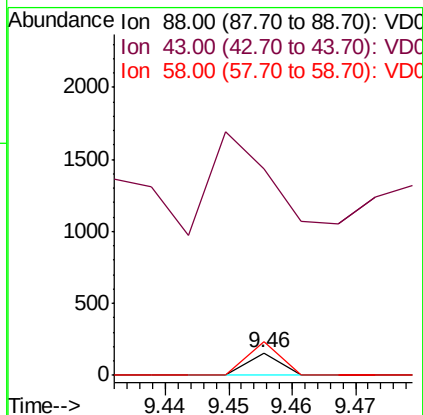
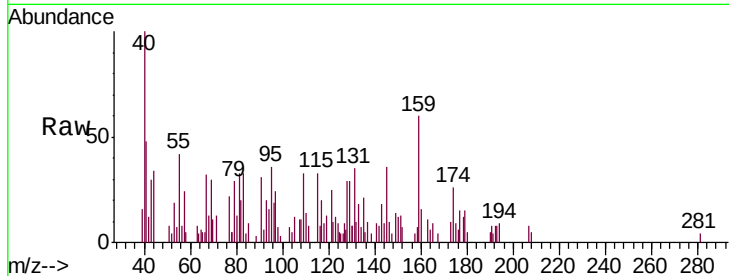




#49
1,4-Dioxane
Concen: 2.085 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD064232.D
Acq: 15 Nov 2019 17:30

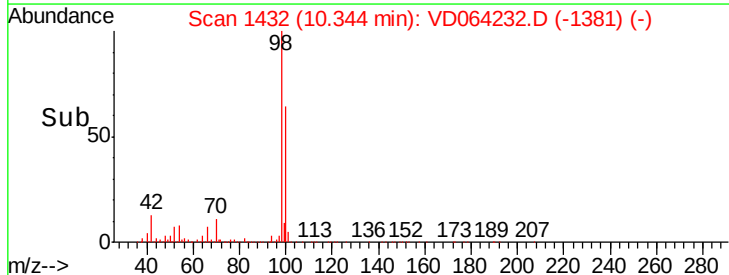
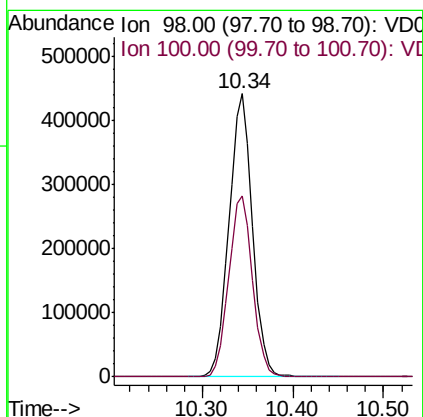
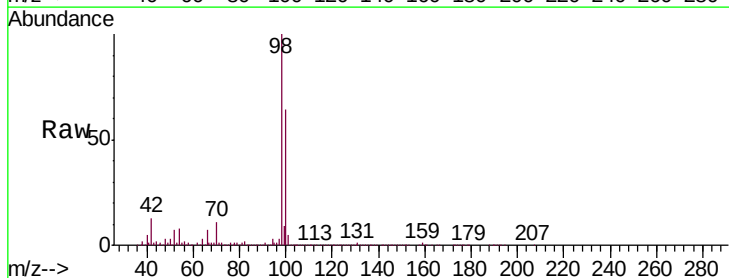
Instrument :
MSVOA_D
ClientSampleId :
SB-05-7.5-8.0

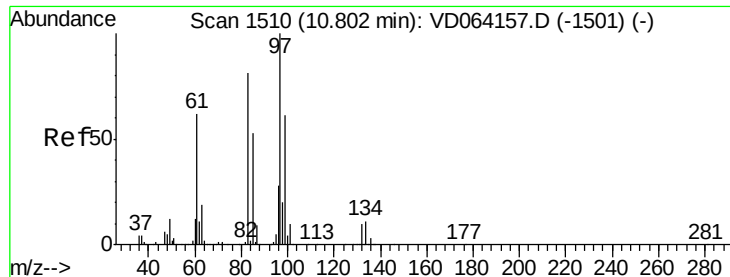
Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 869.1 29.8 44.8#
58 152.7 58.1 87.1#



#50
Toluene-d8
Concen: 54.868 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064232.D
Acq: 15 Nov 2019 17:30

Tgt Ion: 98 Resp: 794002
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8

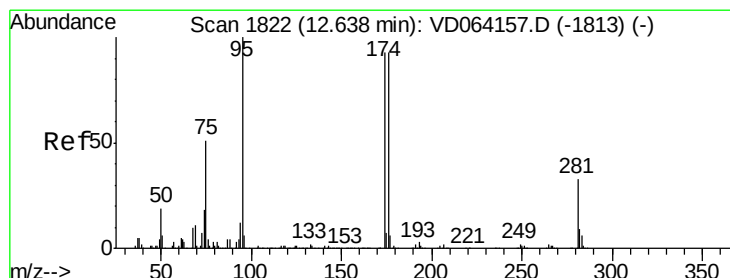
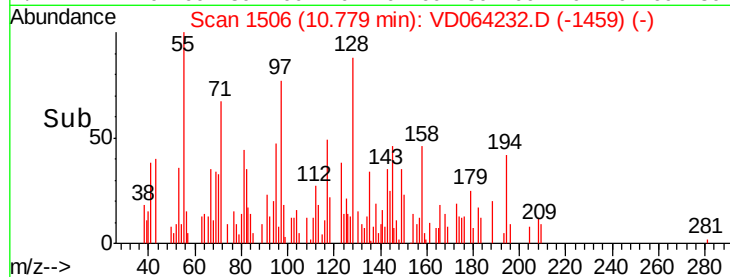
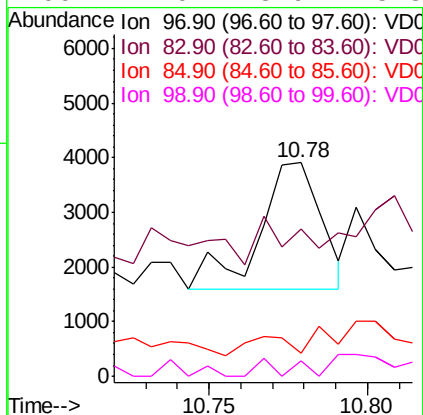
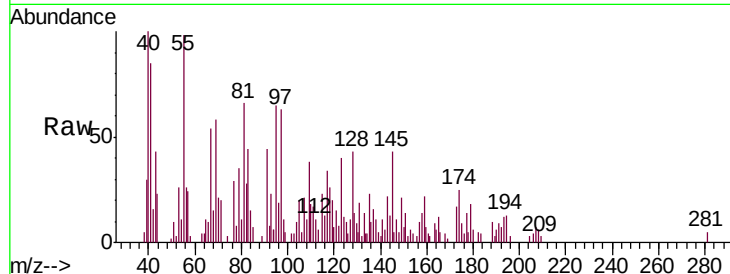




#55
 1,1,2-Trichloroethane
 Concen: 1.063 ug/l
 RT: 10.78 min Scan# 1506
 Delta R.T. -0.02 min
 Lab File: VD064232.D
 Acq: 15 Nov 2019 17:30

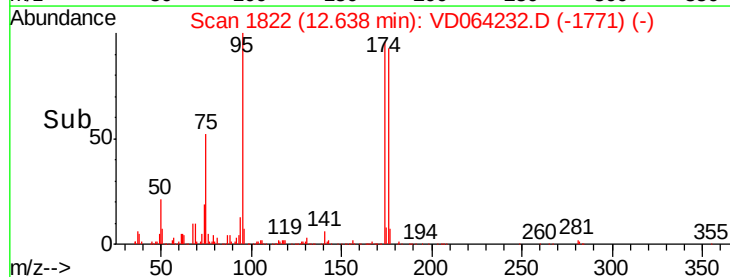
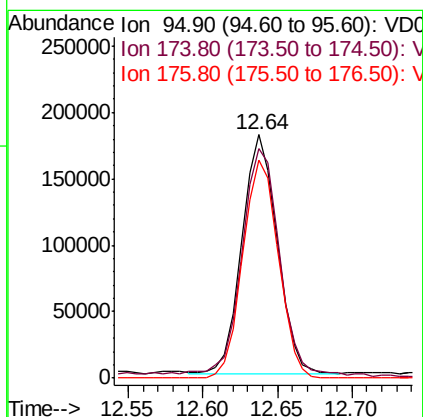
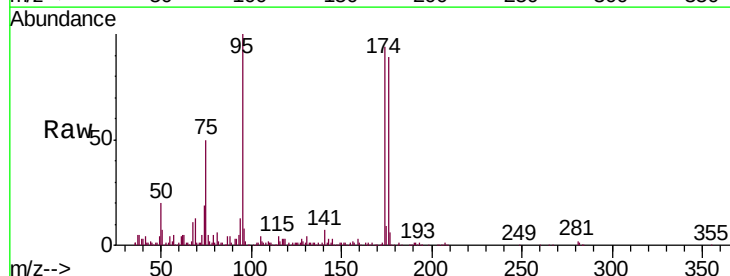
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-05-7.5-8.0

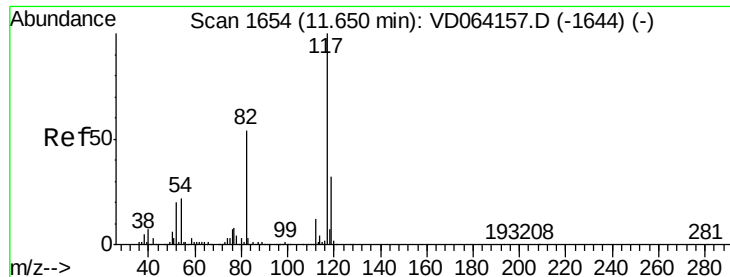
Tgt Ion:	97	Resp:	3167
Ion	Ratio	Lower	Upper
97	100		
83	13.5	65.1	97.7#
85	0.0	42.0	63.0#
99	12.0	48.9	73.3#



#62
 4-Bromofluorobenzene
 Concen: 58.259 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064232.D
 Acq: 15 Nov 2019 17:30

Tgt Ion:	95	Resp:	291963
Ion	Ratio	Lower	Upper
95	100		
174	103.2	0.0	183.6
176	93.7	0.0	180.2

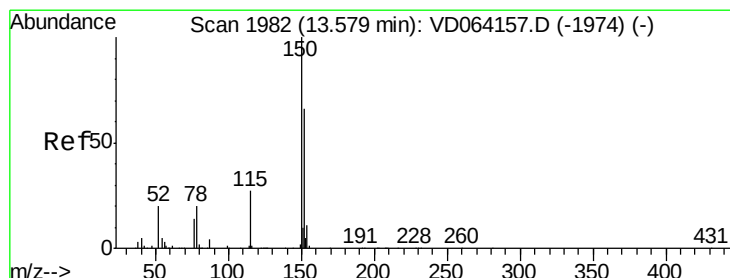
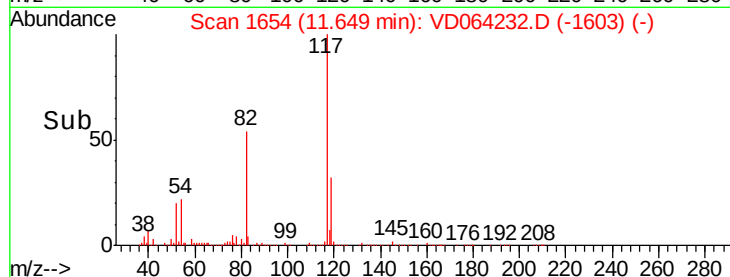
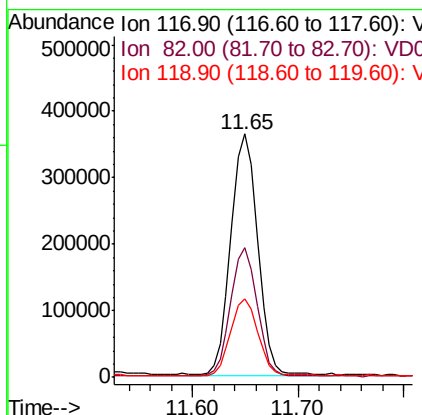
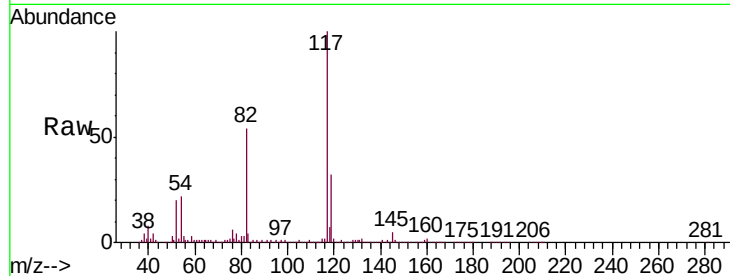




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064232.D
Acq: 15 Nov 2019 17:30

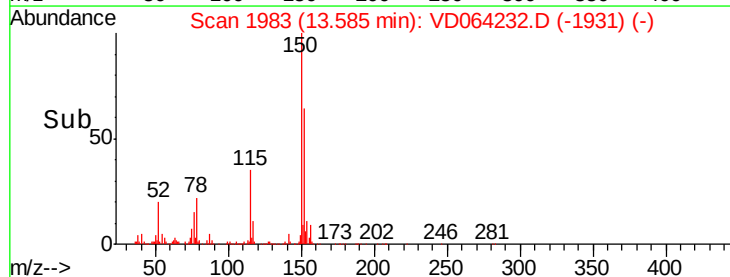
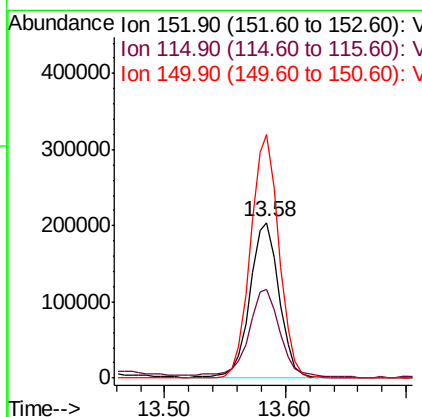
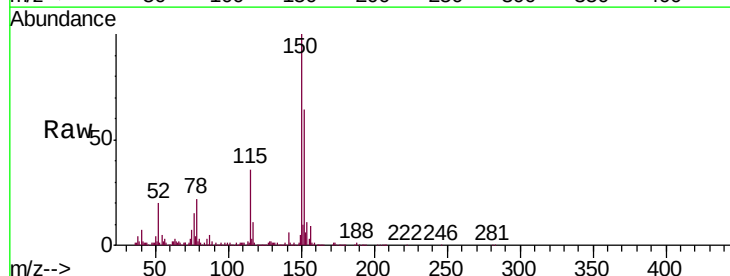
Instrument :
MSVOA_D
ClientSampleId :
SB-05-7.5-8.0

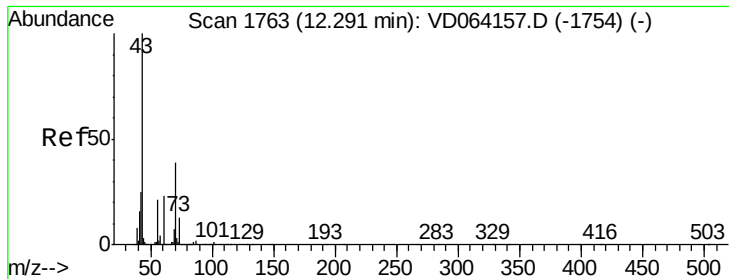
Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.8	64.2
119	31.6	25.6	38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064232.D
Acq: 15 Nov 2019 17:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.9	27.4	82.2
150	151.3	0.0	351.6





#74

N-amyI acetate

Concen: 1.521 ug/l

RT: 12.27 min Scan# 1760

Delta R.T. -0.02 min

Lab File: VD064232.D

Acq: 15 Nov 2019 17:30

Instrument :

MSVOA_D

ClientSampleId :

SB-05-7.5-8.0

Tgt Ion: 43 Resp: 9099

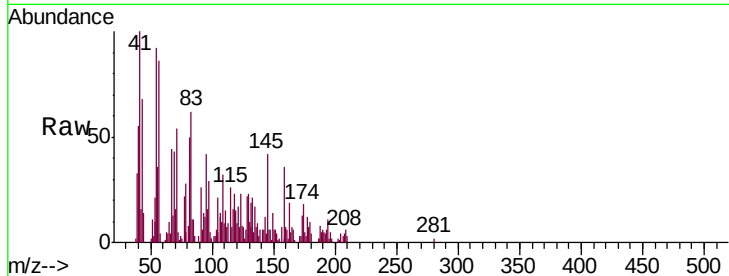
Ion Ratio Lower Upper

43 100

70 0.0 32.4 48.6#

55 76.8 17.9 26.9#

61 0.0 19.0 28.4#

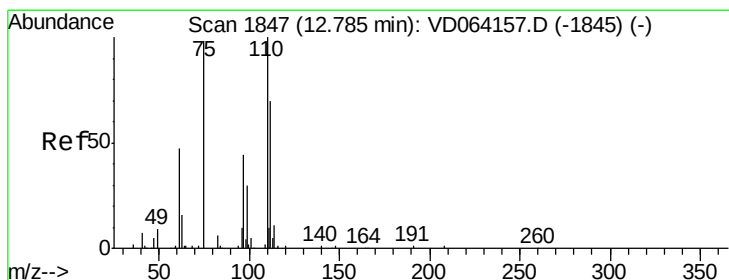
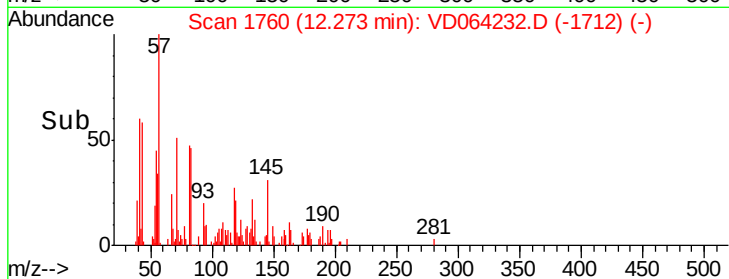
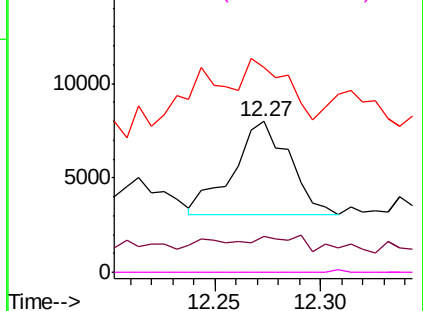


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC



#76

1,2,3-Trichloropropane

Concen: 55.887 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064232.D

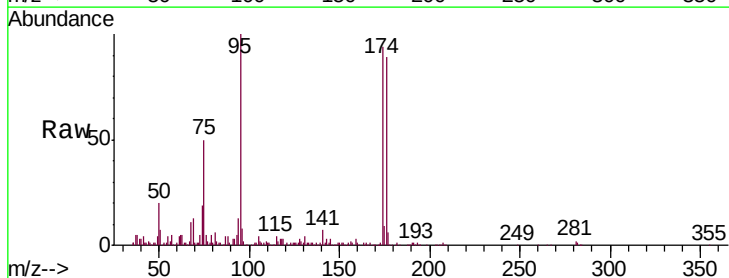
Acq: 15 Nov 2019 17:30

Tgt Ion: 75 Resp: 155363

Ion Ratio Lower Upper

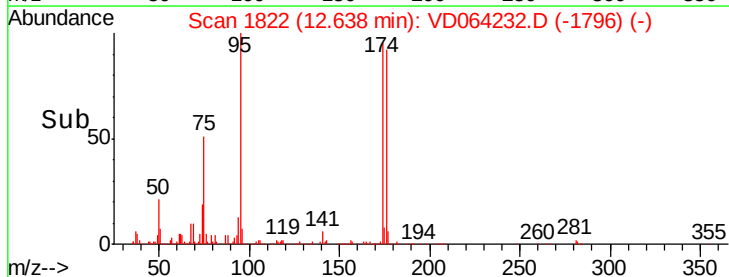
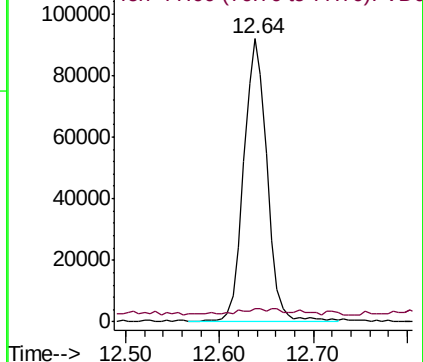
75 100

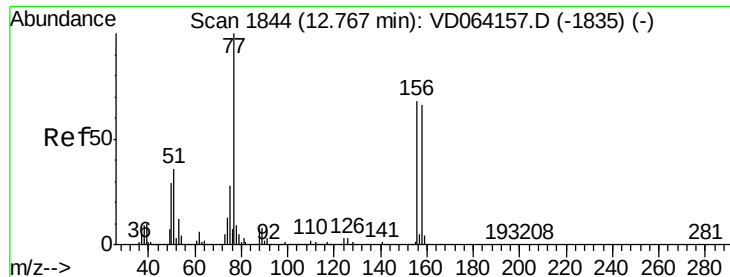
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 10.982 ug/l

RT: 12.68 min Scan# 1829

Delta R.T. -0.09 min

Lab File: VD064232.D

Acq: 15 Nov 2019 17:30

Instrument :

MSVOA_D

ClientSampleId :

SB-05-7.5-8.0

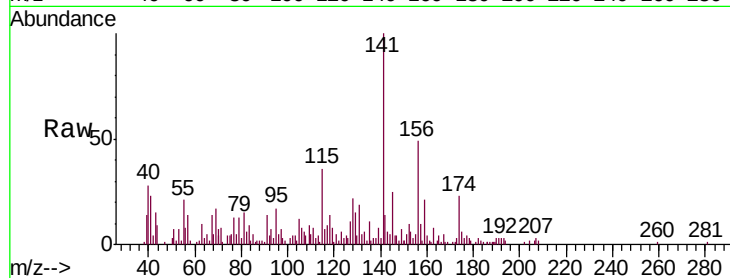
Tgt Ion:156 Resp: 67589

Ion Ratio Lower Upper

156 100

77 2.1 81.2 243.4#

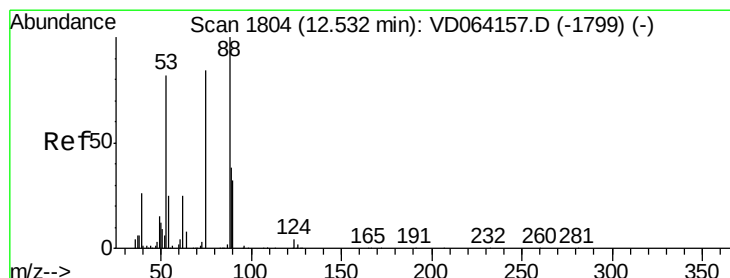
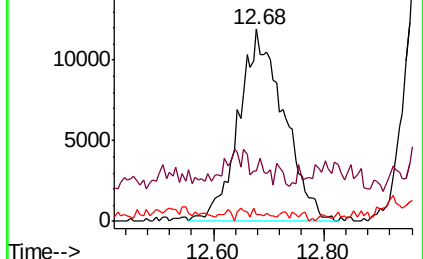
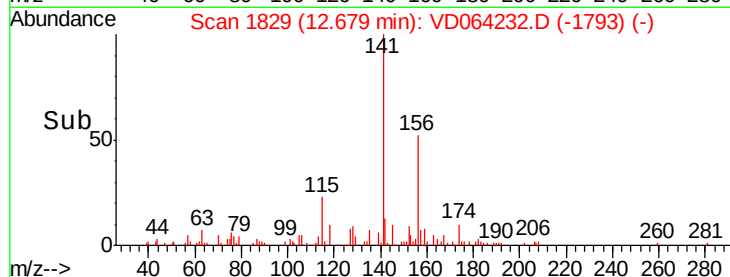
158 0.6 48.4 145.2#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 111.012 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064232.D

Acq: 15 Nov 2019 17:30

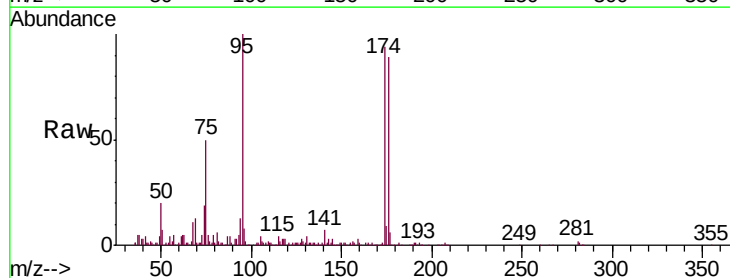
Tgt Ion: 75 Resp: 155363

Ion Ratio Lower Upper

75 100

53 0.4 79.4 119.0#

89 0.0 36.6 55.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 53.00 (52.70 to 53.70): V

Ion 88.90 (88.60 to 89.60): V

