

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103019\
 Data File : VD064121.D
 Acq On : 30 Oct 2019 19:22
 Operator : VA/SY
 Sample : K5603-01
 Misc : 4.99G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 31 04:05:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	186388	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	322253	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	308192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	130951	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	92429	62.35	ug/l	0.00
Spiked Amount			Recovery	=	124.70%	
35) Dibromofluoromethane	7.92	113	100823	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	
50) Toluene-d8	10.34	98	373801	47.15	ug/l	0.00
Spiked Amount			Recovery	=	94.30%	
62) 4-Bromofluorobenzene	12.64	95	115535	43.95	ug/l	0.00
Spiked Amount			Recovery	=	87.90%	

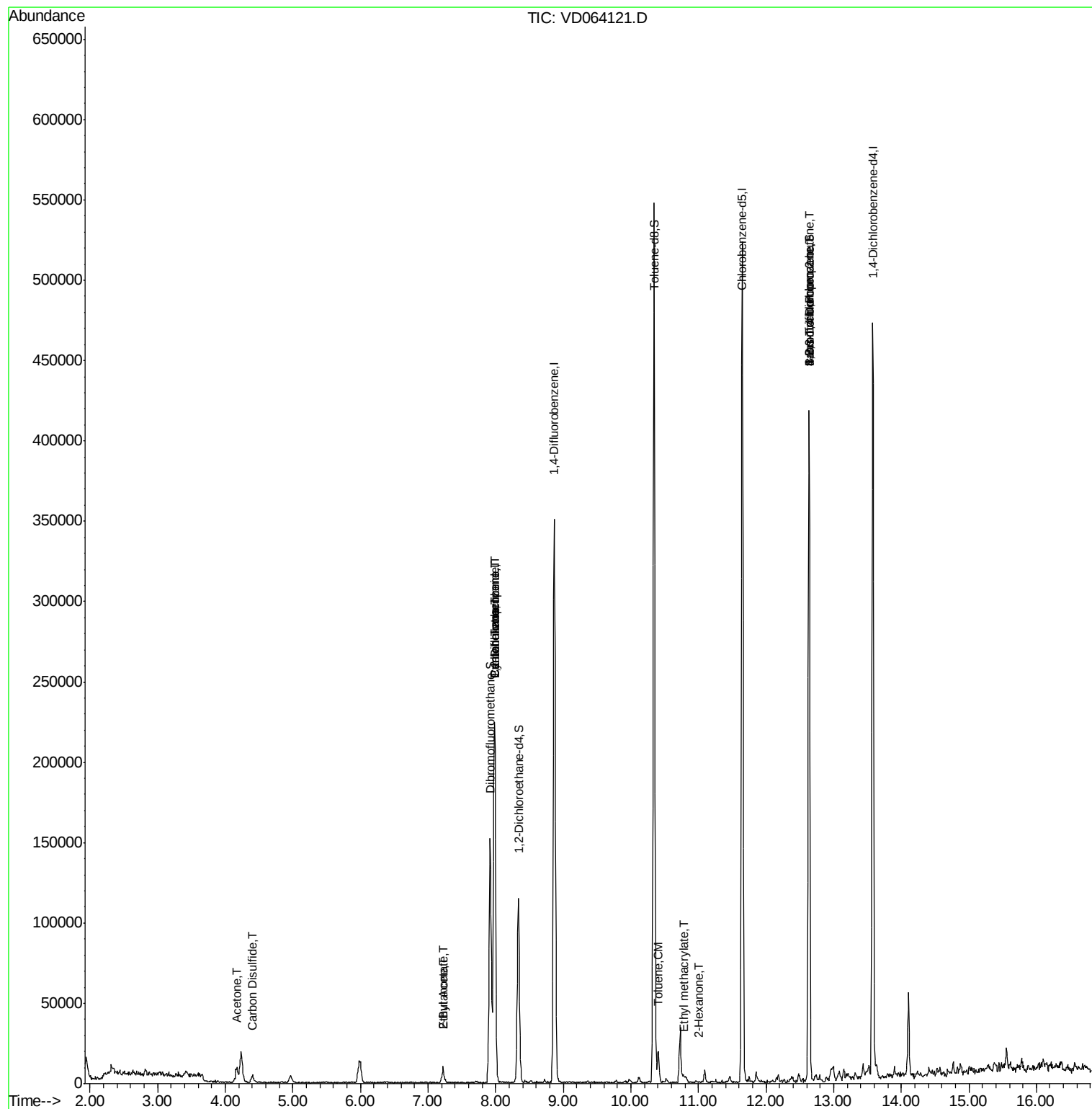
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.17	43	15549	55.129	ug/l #	77
17) Carbon Disulfide	4.41	76	8750	1.761	ug/l #	91
20) Methylene Chloride	4.96	84	3711	Below Cal	#	66
25) 2-Butanone	7.23	43	5281	13.544	ug/l	98
31) Cyclohexane	7.98	56	3880	1.407	ug/l #	38
36) 1,1-Dichloropropene	7.98	75	13047	4.321	ug/l #	48
37) Ethyl Acetate	7.23	43	5281	5.682	ug/l #	69
38) Carbon Tetrachloride	7.98	117	17829	5.412	ug/l #	14
52) Toluene	10.41	92	7812	1.354	ug/l	98
56) Ethyl methacrylate	10.80	69	58	3.046	ug/l #	1
59) 2-Hexanone	11.00	43	64	9.091	ug/l #	22
71) Bromoform	12.64	173	1533	1.205	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	63691	72.383	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	63691	147.825	ug/l #	15

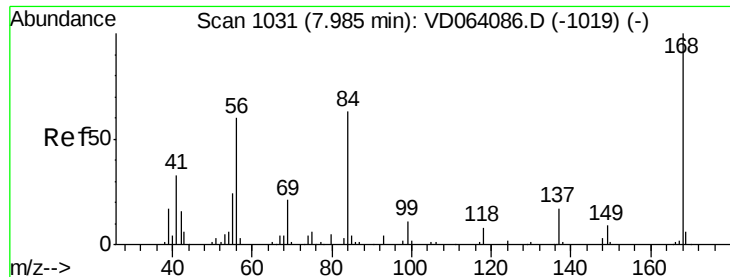
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD103019\
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Quant Time: Oct 31 04:05:20 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 08:00:10 2019
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: VD064121.D

Acq: 30 Oct 2019 19:22

Instrument :

MSVOA_D

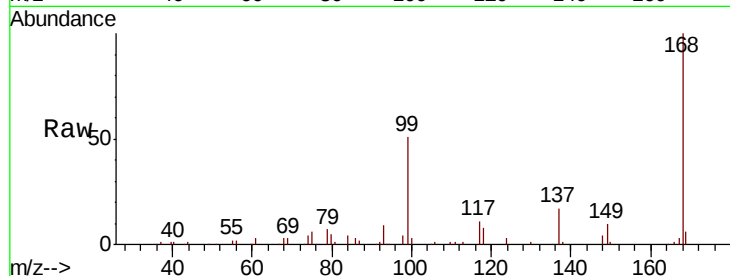
ClientSampleId :

Tot Ion:168 Resp: 186388

Ion Ratio Lower Upper

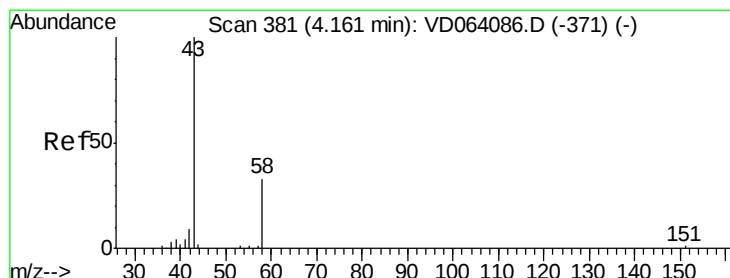
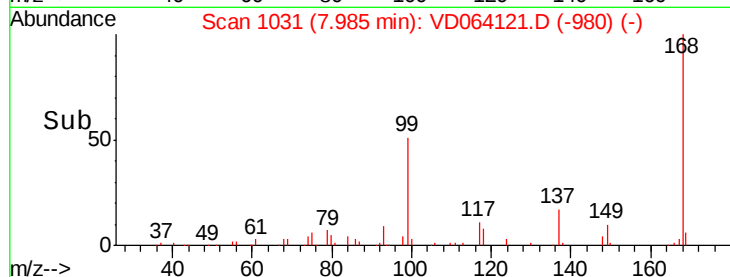
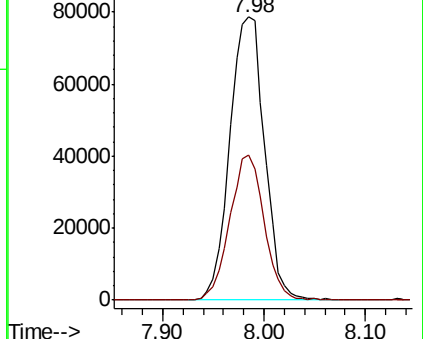
168 100

99 51.2 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 55.129 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064121.D

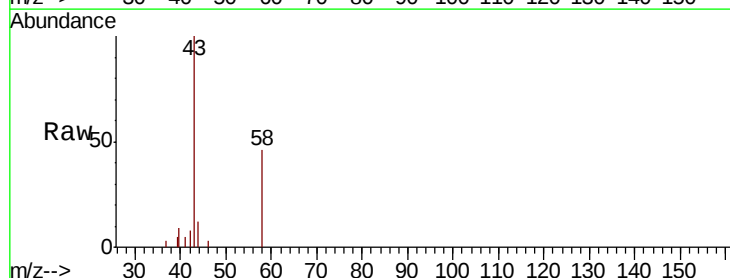
Acq: 30 Oct 2019 19:22

Tgt Ion: 43 Resp: 15549

Ion Ratio Lower Upper

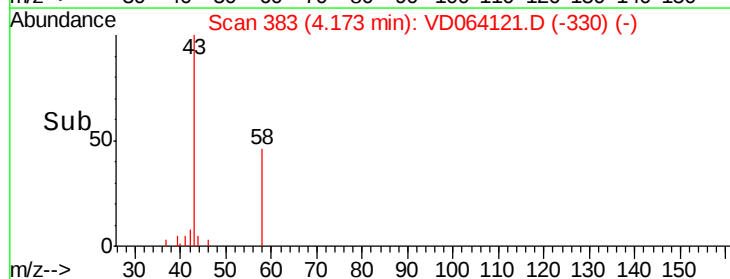
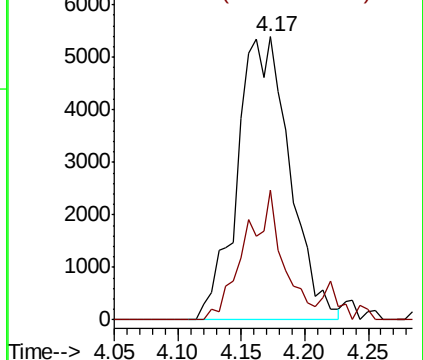
43 100

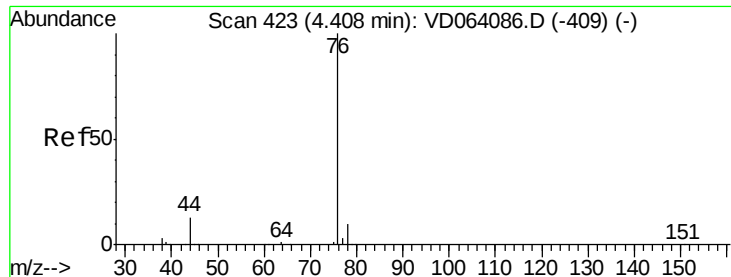
58 46.0 26.3 39.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

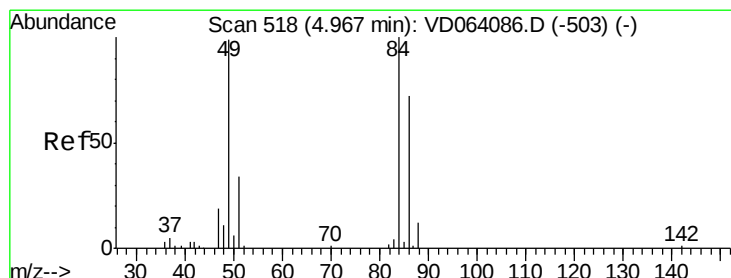
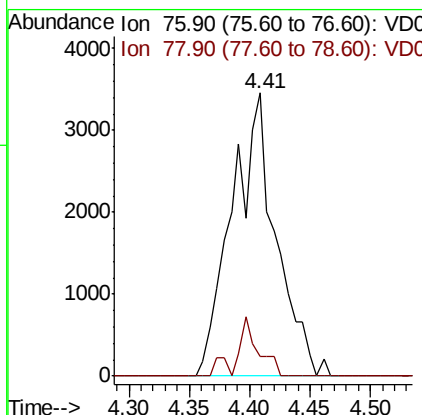
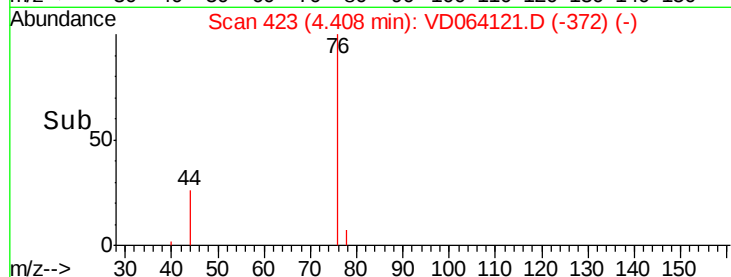
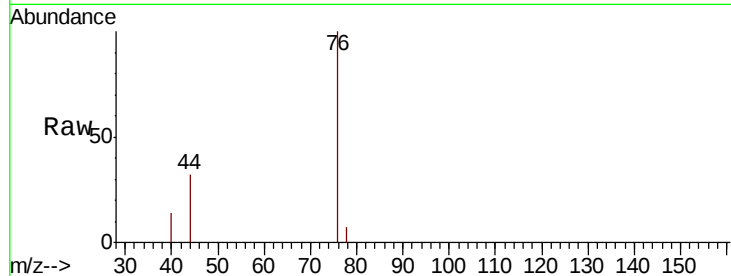




#17
Carbon Disulfide
Concen: 1.761 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD064121.D
Acq: 30 Oct 2019 19:22

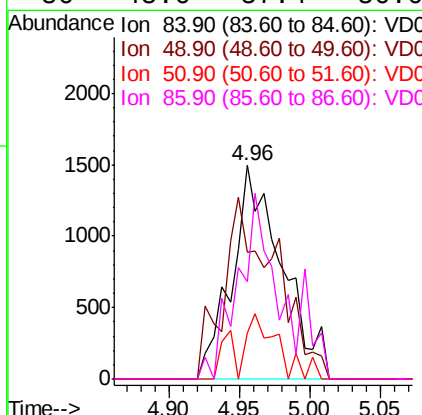
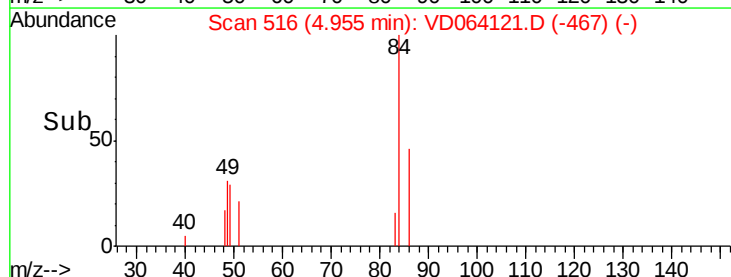
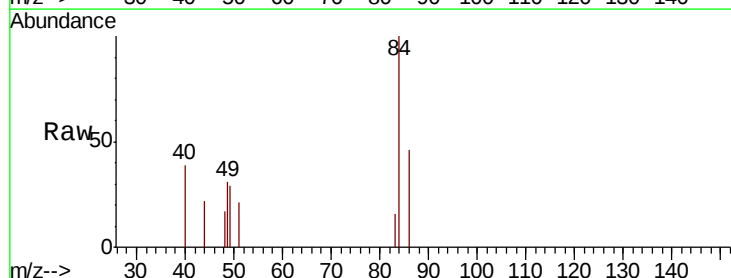
Instrument :
MSVOA_D
ClientSampleId :

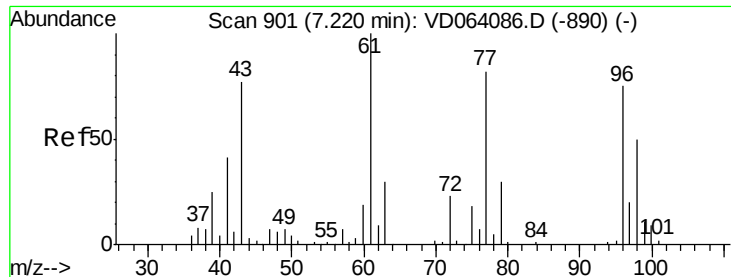
Tot Ion: 76 Resp: 8750
Ion Ratio Lower Upper
76 100
78 6.9 8.1 12.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064121.D
Acq: 30 Oct 2019 19:22

Tgt Ion: 84 Resp: 3711
Ion Ratio Lower Upper
84 100
49 59.6 79.4 119.0#
51 21.3 27.4 41.2#
86 45.6 57.4 86.0#

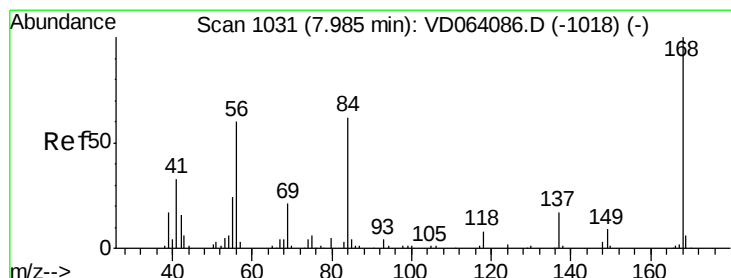
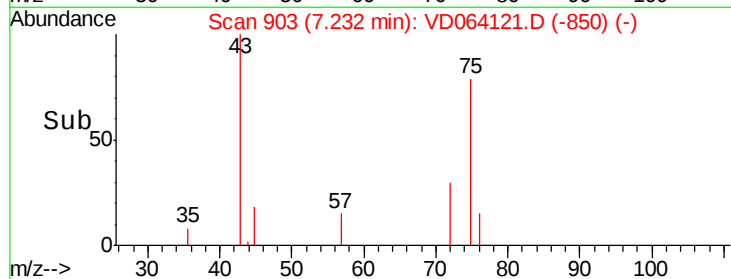
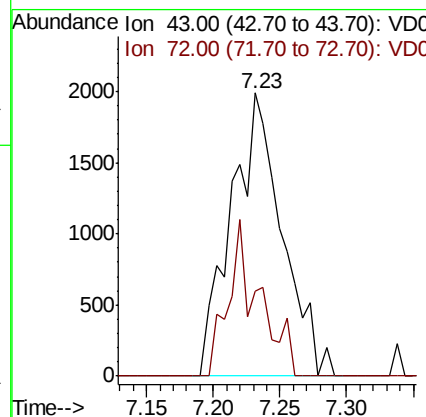
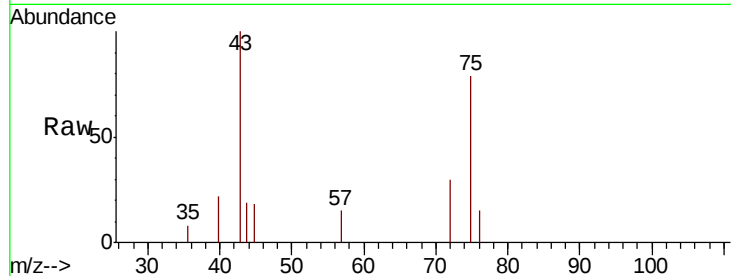




#25
2-Butanone
Concen: 13.544 ug/l
RT: 7.23 min Scan# 903
Delta R.T. 0.01 min
Lab File: VD064121.D
Acq: 30 Oct 2019 19:22

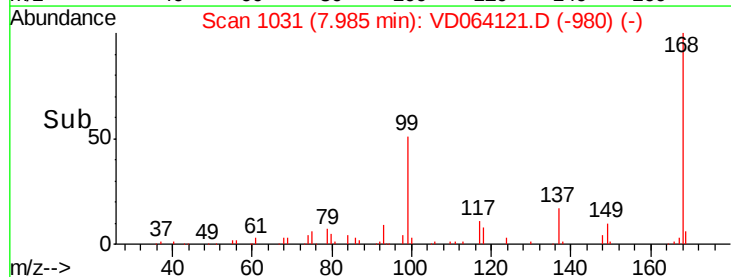
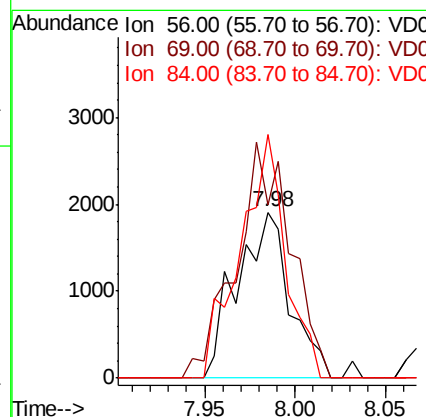
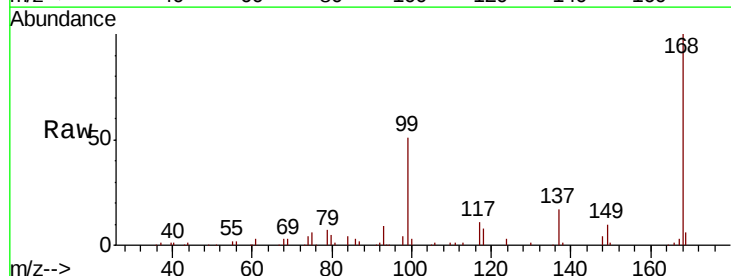
Instrument :
MSVOA_D
ClientSampled :

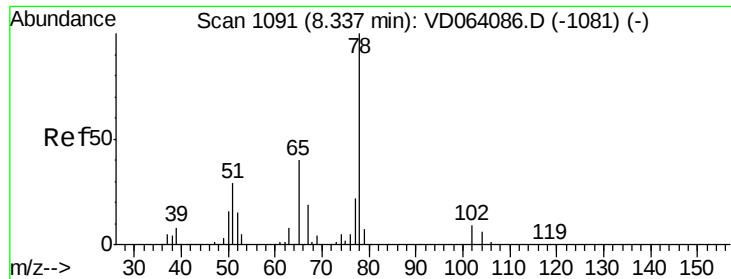
Tot Ion: 43 Resp: 5281
Ion Ratio Lower Upper
43 100
72 30.1 23.4 35.0



#31
Cyclohexane
Concen: 1.407 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064121.D
Acq: 30 Oct 2019 19:22

Tgt Ion: 56 Resp: 3880
Ion Ratio Lower Upper
56 100
69 104.6 27.7 41.5#
84 146.8 83.1 124.7#





#33

1,2-Dichloroethane-d4

Concen: 62.353 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064121.D

Acq: 30 Oct 2019 19:22

Instrument :

MSVOA_D

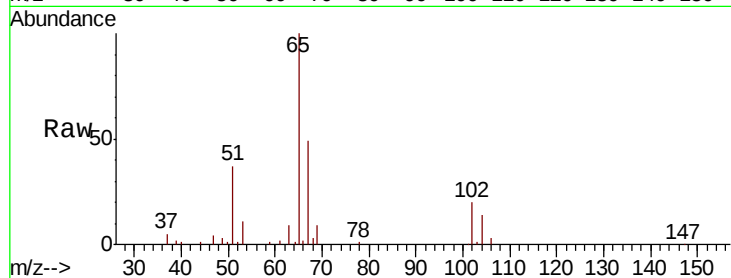
ClientSampleId :

Tot Ion: 65 Resp: 92429

Ion Ratio Lower Upper

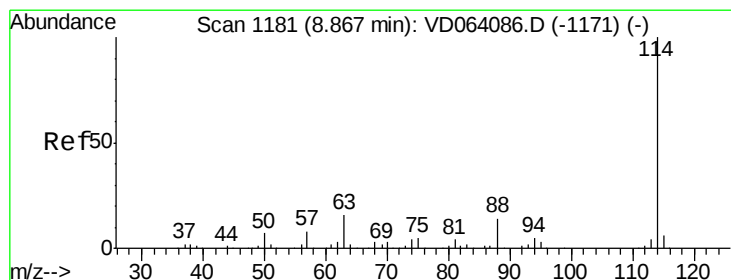
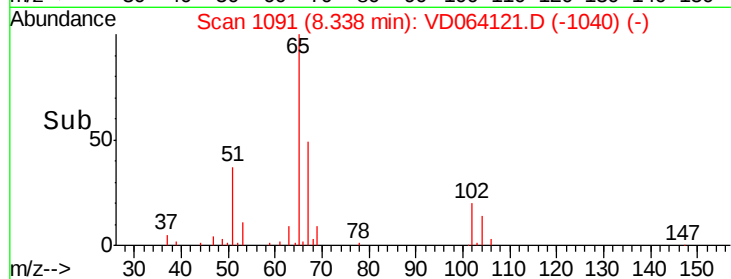
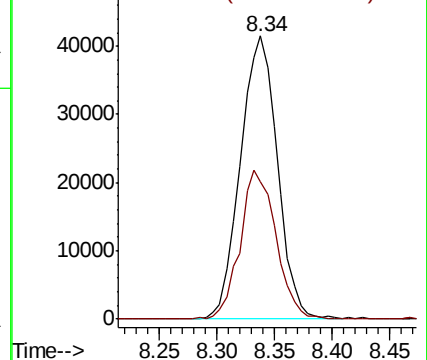
65 100

67 50.9 0.0 104.6



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: VD064121.D

Acq: 30 Oct 2019 19:22

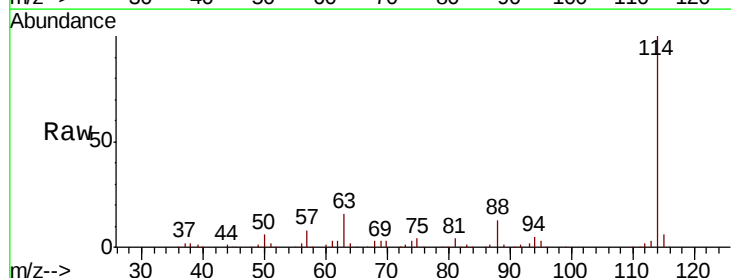
Tgt Ion: 114 Resp: 322253

Ion Ratio Lower Upper

114 100

63 15.7 0.0 32.8

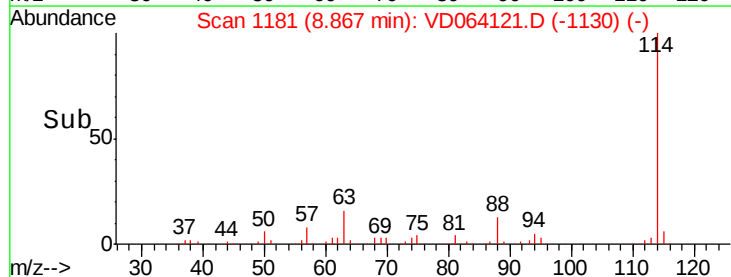
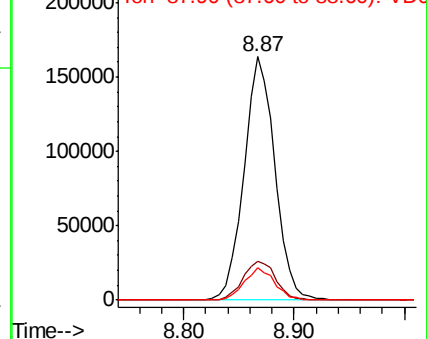
88 13.3 0.0 27.6

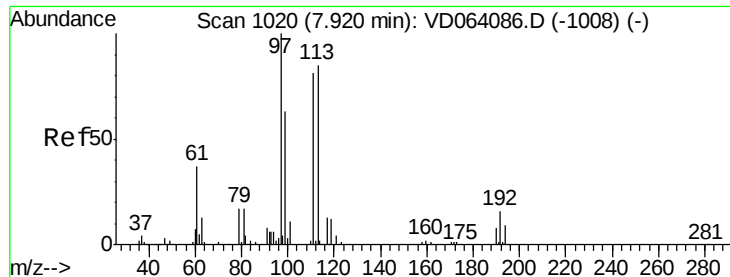


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

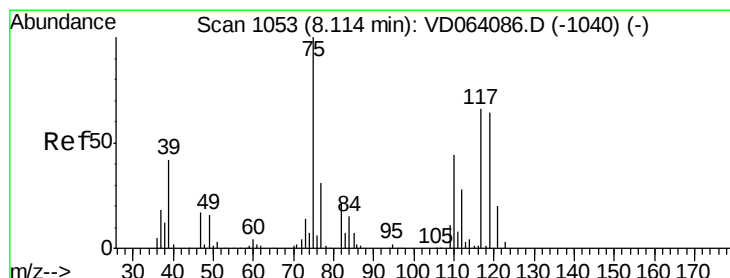
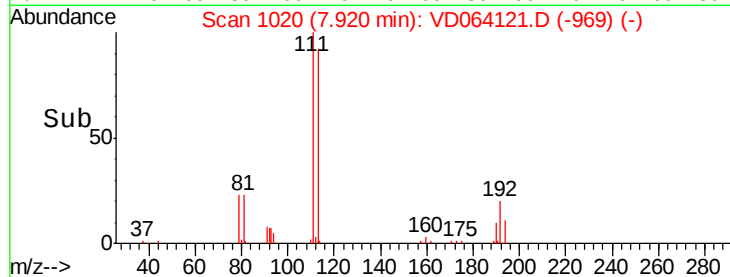
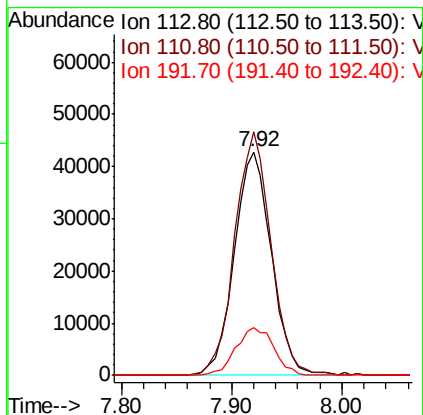
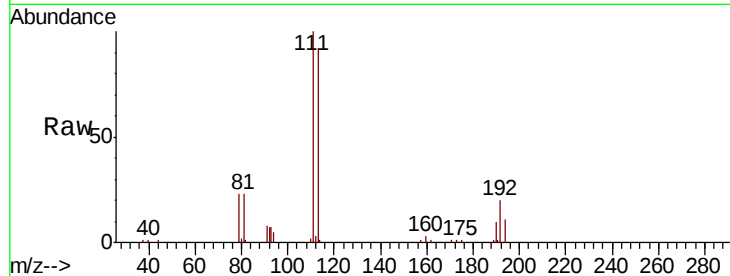




#35
 Dibromofluoromethane
 Concen: 50.854 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064121.D
 Acq: 30 Oct 2019 19:22

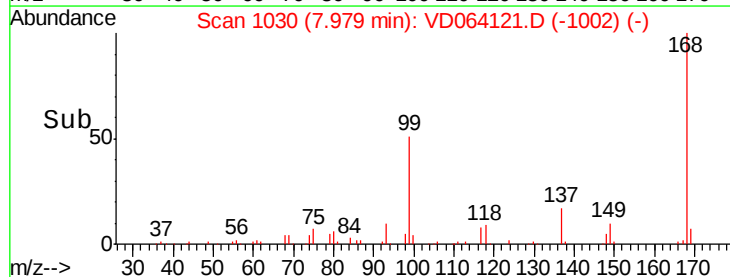
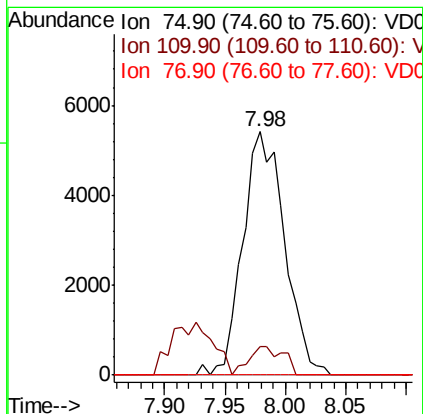
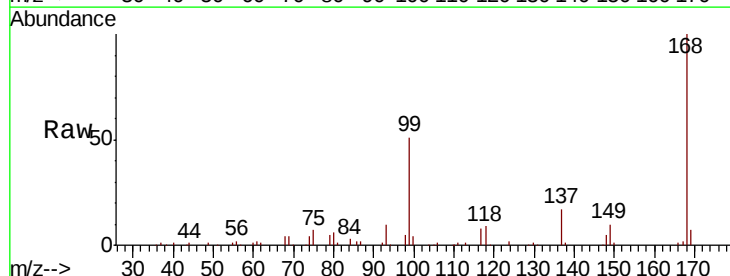
Instrument :
 MSVOA_D
 ClientSampleId :

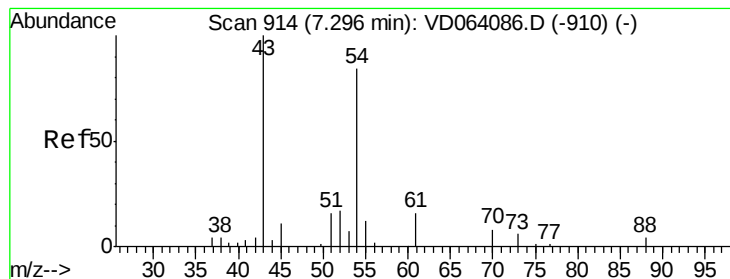
Tot Ion	Ratio	Lower	Upper
113	100		
111	106.7	79.3	118.9
192	22.0	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 4.321 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064121.D
 Acq: 30 Oct 2019 19:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	20.0	59.9#
77	0.0	24.7	37.1#





#37

Ethyl Acetate

Concen: 5.682 ug/l

RT: 7.23 min Scan# 903

Delta R.T. -0.06 min

Lab File: VD064121.D

Acq: 30 Oct 2019 19:22

Instrument :

MSVOA_D

ClientSampled :

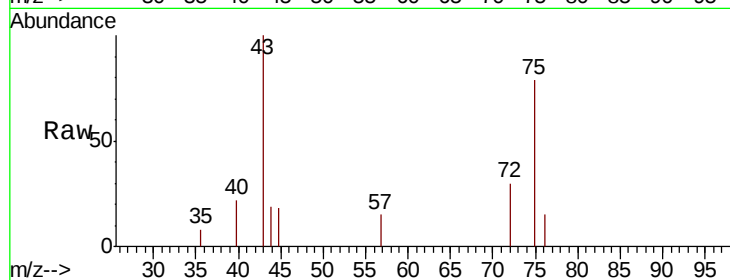
Tot Ion: 43 Resp: 5281

Ion Ratio Lower Upper

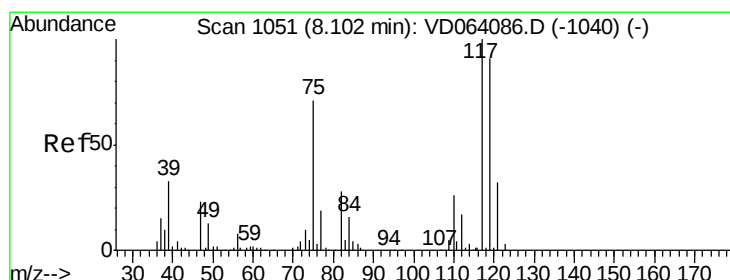
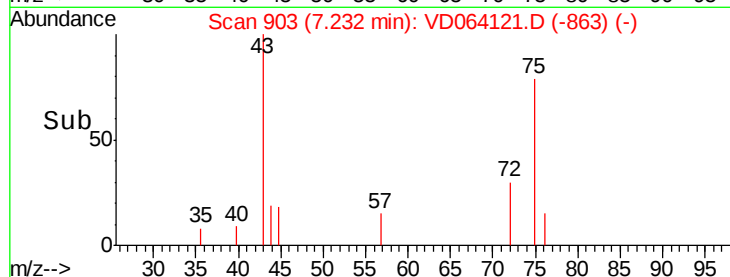
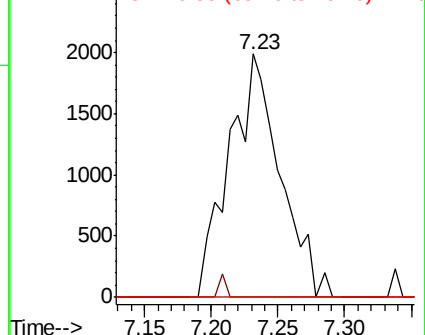
43 100

61 0.0 12.0 18.0#

70 0.0 3.8 5.6#



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: 5.412 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD064121.D

Acq: 30 Oct 2019 19:22

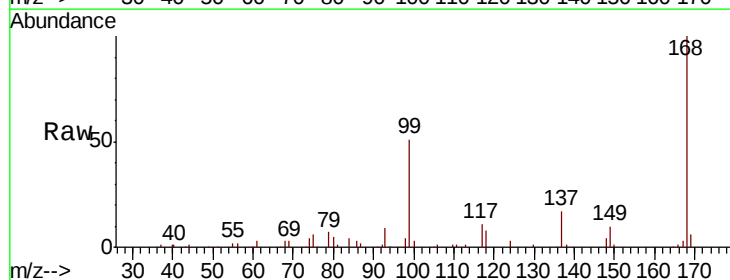
Tgt Ion: 117 Resp: 17829

Ion Ratio Lower Upper

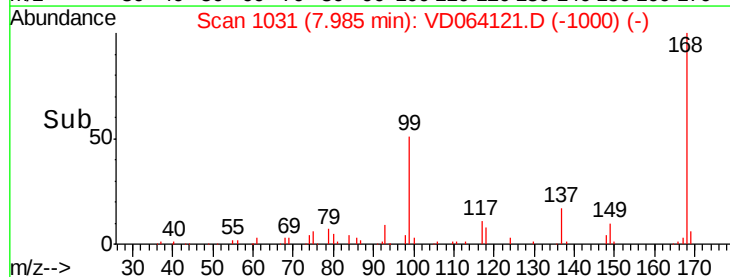
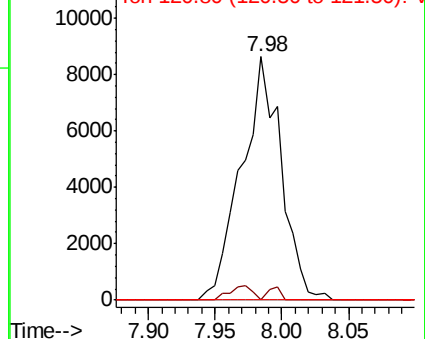
117 100

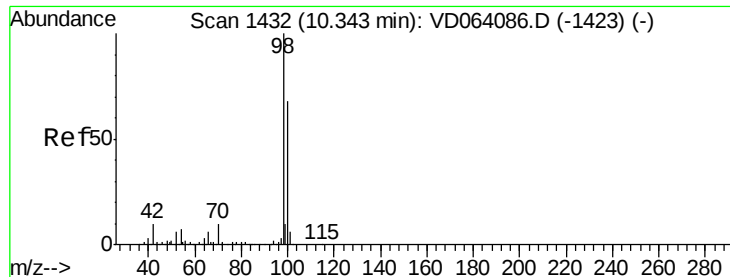
119 0.0 72.6 108.8#

121 0.0 25.8 38.6#



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: 47.145 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064121.D

Acq: 30 Oct 2019 19:22

Instrument :

MSVOA_D

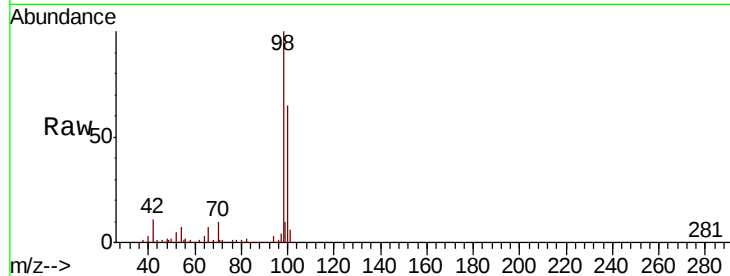
ClientSampleId :

Tot Ion: 98 Resp: 373801

Ion Ratio Lower Upper

98 100

100 65.8 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VD064086.D (-1423) (-)

Ion 100.00 (99.70 to 100.70): VD064086.D (-1423) (-)

10.34

250000

200000

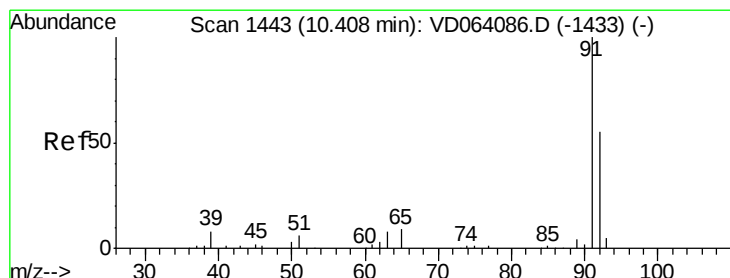
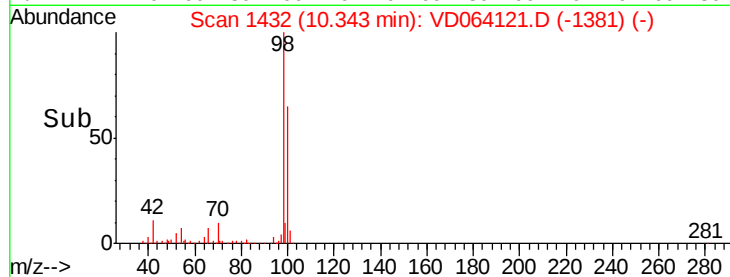
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 1.354 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD064121.D

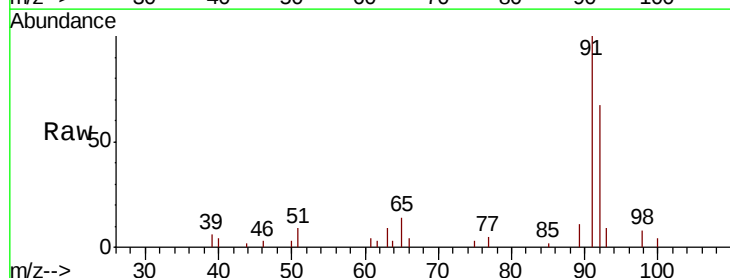
Acq: 30 Oct 2019 19:22

Tgt Ion: 92 Resp: 7812

Ion Ratio Lower Upper

92 100

91 173.3 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VD064086.D (-1433) (-)

Ion 91.00 (90.70 to 91.70): VD064086.D (-1433) (-)

10.41

8000

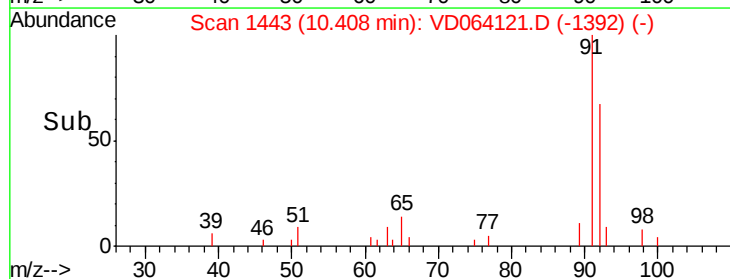
6000

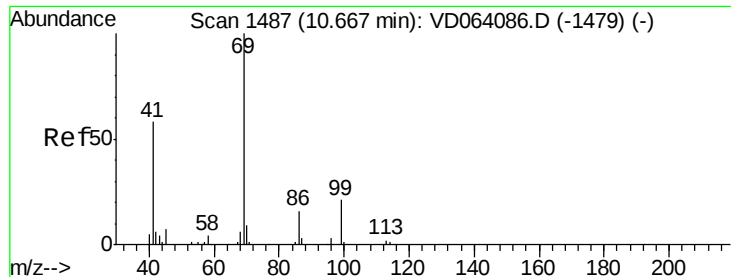
4000

2000

0

Time-->





#56

Ethyl methacrylate

Concen: 3.046 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. 0.13 min

Lab File: VD064121.D

Acq: 30 Oct 2019 19:22

Instrument :

MSVOA_D

ClientSampleId :

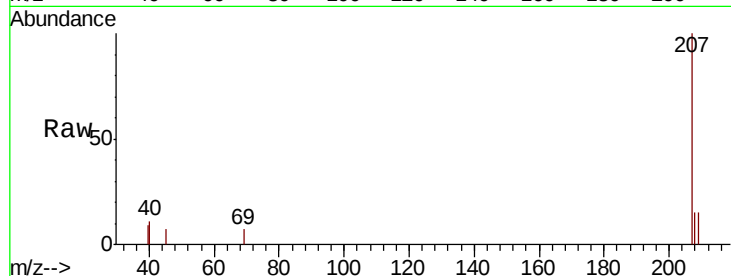
Tot Ion: 69 Resp: 58

Ion Ratio Lower Upper

69 100

41 0.0 46.9 70.3#

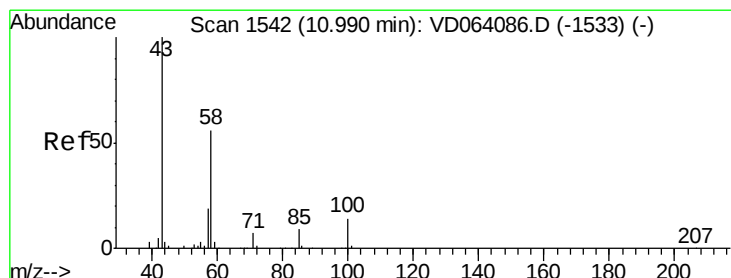
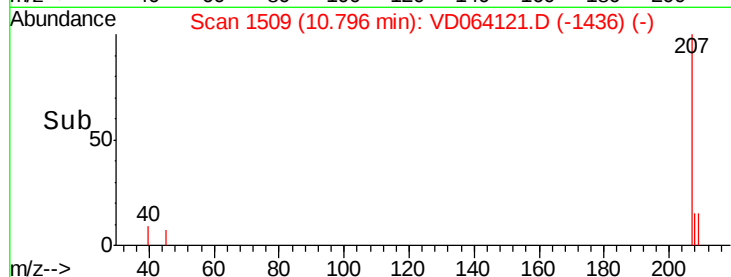
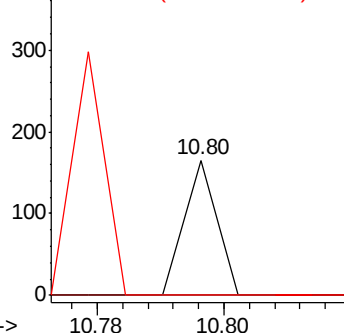
39 181.0 27.3 40.9#



Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC



#59

2-Hexanone

Concen: 9.091 ug/l

RT: 11.00 min Scan# 1544

Delta R.T. 0.01 min

Lab File: VD064121.D

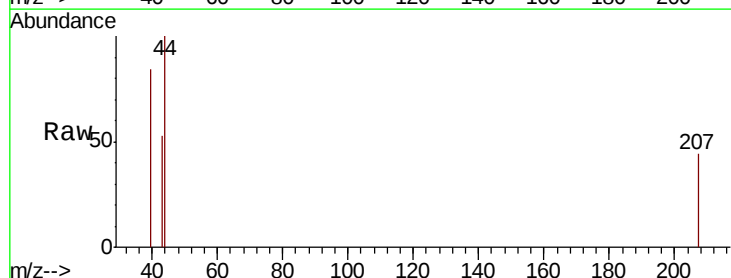
Acq: 30 Oct 2019 19:22

Tgt Ion: 43 Resp: 64

Ion Ratio Lower Upper

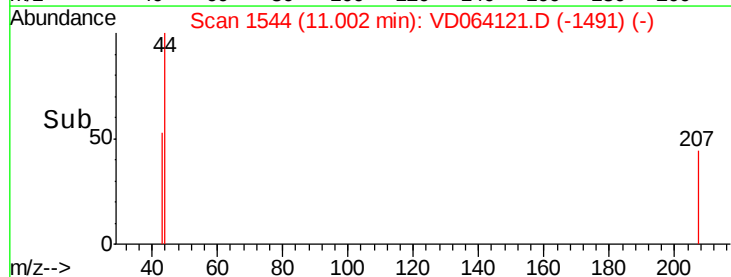
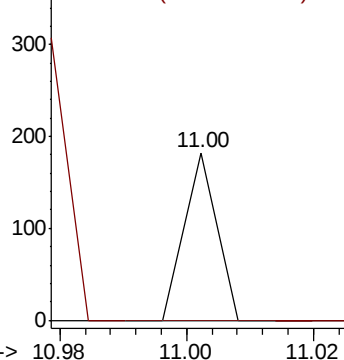
43 100

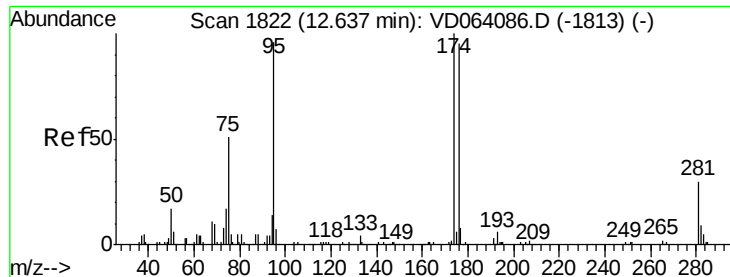
58 0.0 29.2 87.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#62

4-Bromofluorobenzene

Concen: 43.953 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064121.D

Acq: 30 Oct 2019 19:22

Instrument :

MSVOA_D

ClientSampled :

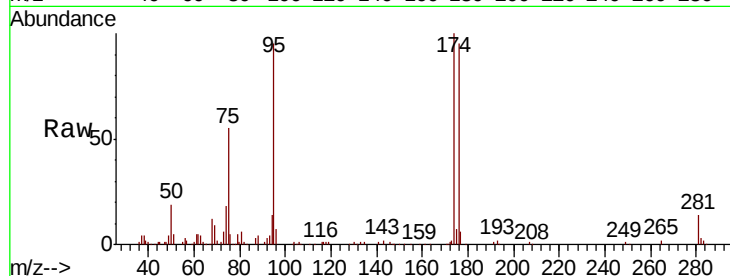
Tot Ion: 95 Resp: 115535

Ion Ratio Lower Upper

95 100

174 101.7 0.0 201.6

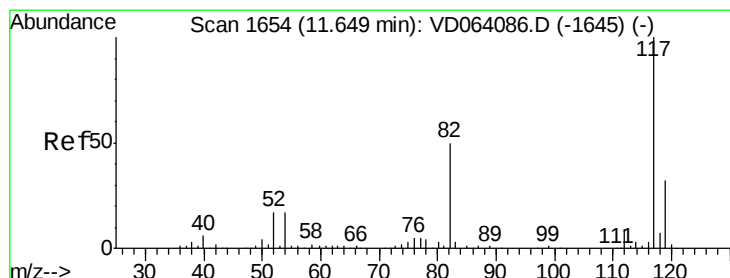
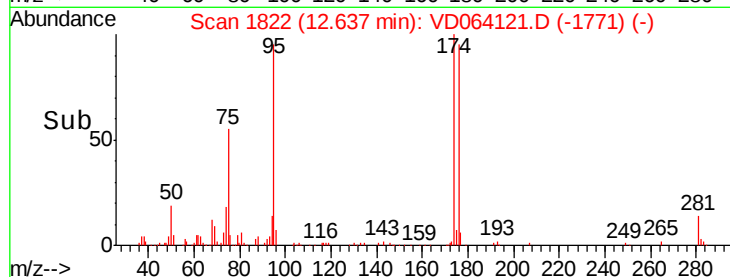
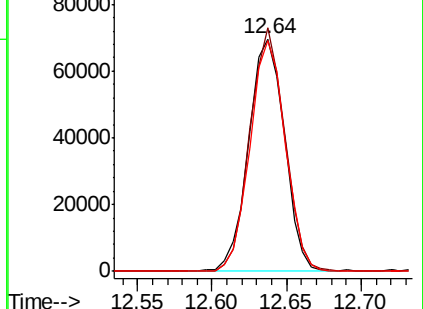
176 98.1 0.0 192.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD064121.D

Acq: 30 Oct 2019 19:22

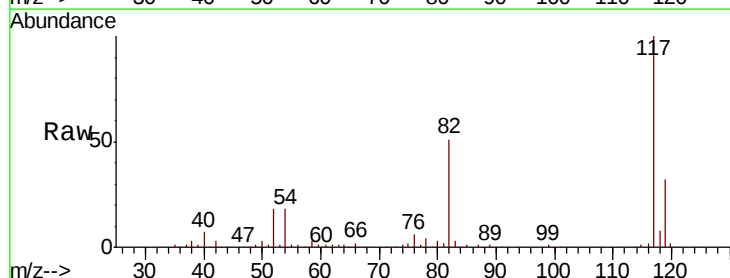
Tgt Ion: 117 Resp: 308192

Ion Ratio Lower Upper

117 100

82 50.8 40.2 60.4

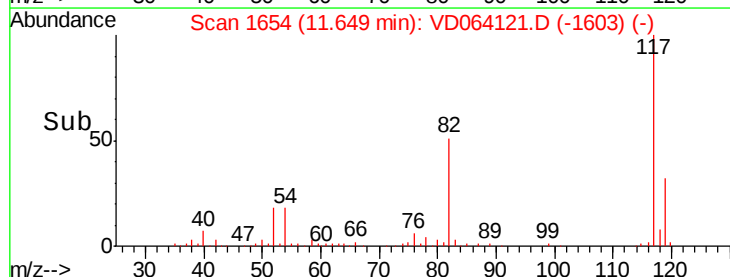
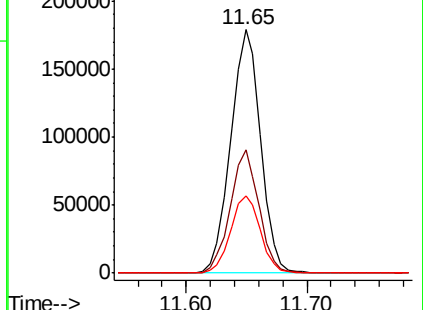
119 31.7 26.0 39.0

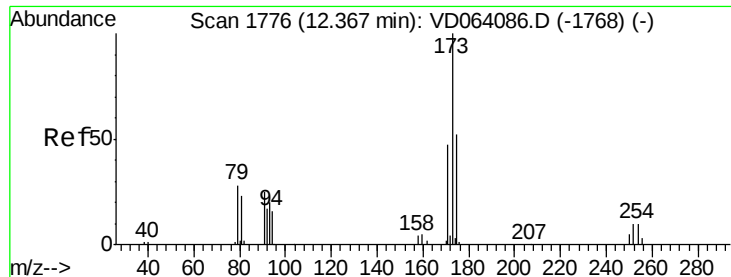


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#71

Bromoform

Concen: 1.205 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.27 min

Lab File: VD064121.D

Acq: 30 Oct 2019 19:22

Instrument :

MSVOA_D

ClientSampleId :

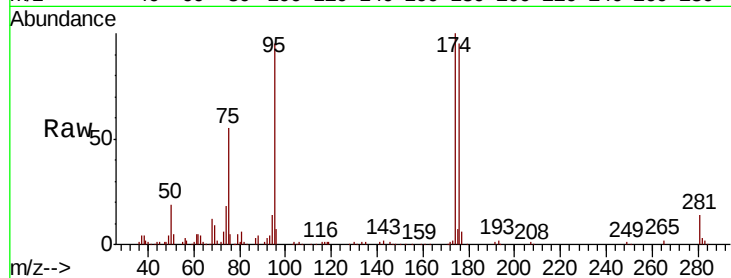
Tot Ion:173 Resp: 1533

Ion Ratio Lower Upper

173 100

175 439.5 24.3 72.9#

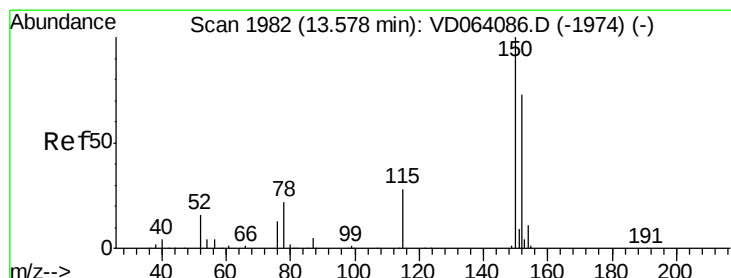
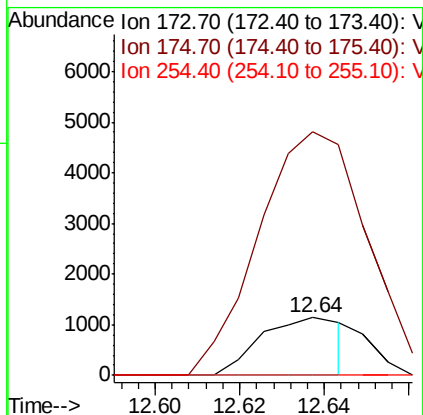
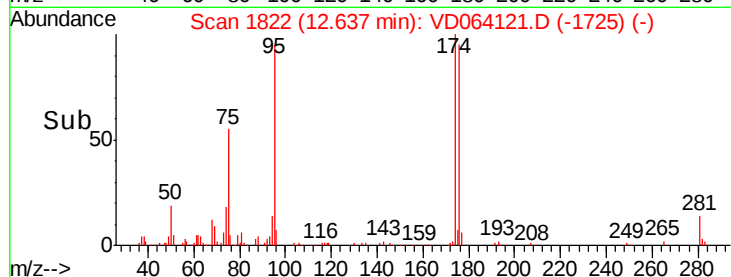
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VD064121.D

Acq: 30 Oct 2019 19:22

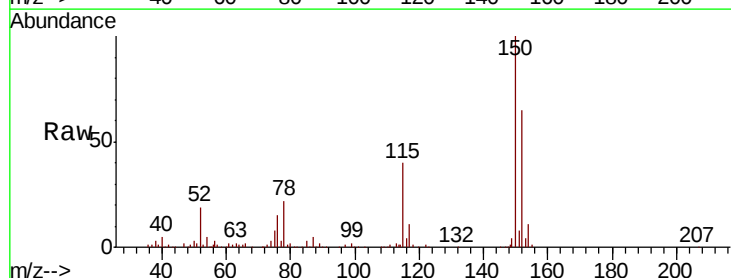
Tgt Ion:152 Resp: 130951

Ion Ratio Lower Upper

152 100

115 54.7 26.2 78.6

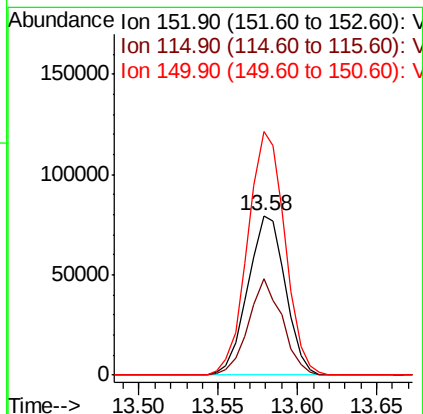
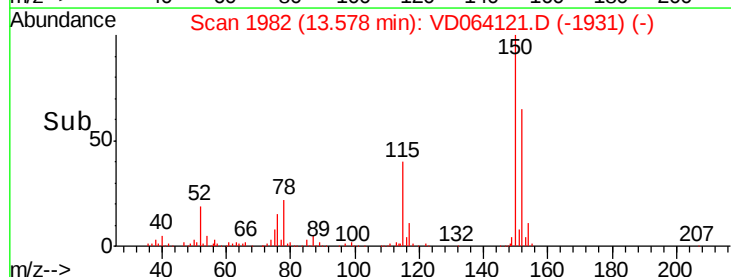
150 151.7 0.0 338.8

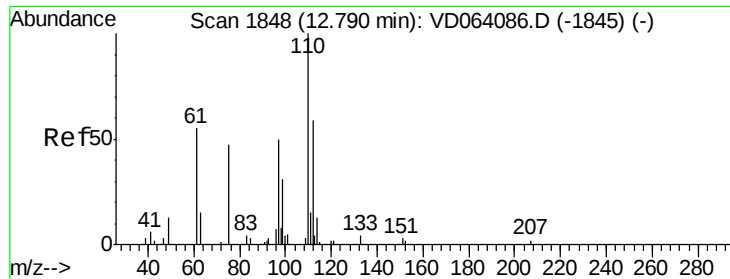


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 72.383 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064121.D

Acq: 30 Oct 2019 19:22

Instrument :

MSVOA_D

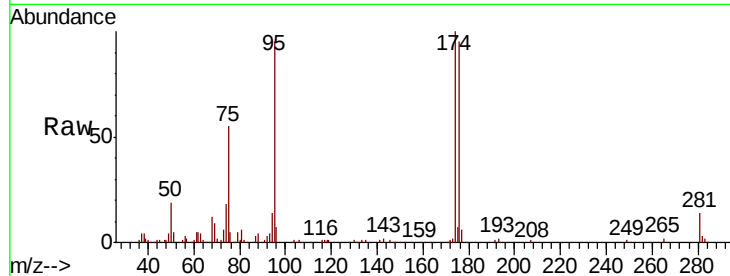
ClientSampleId :

Tot Ion: 75 Resp: 63691

Ion Ratio Lower Upper

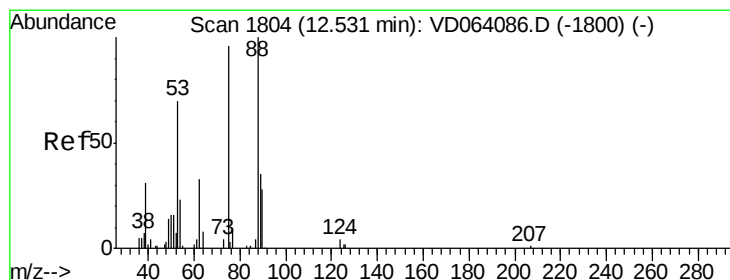
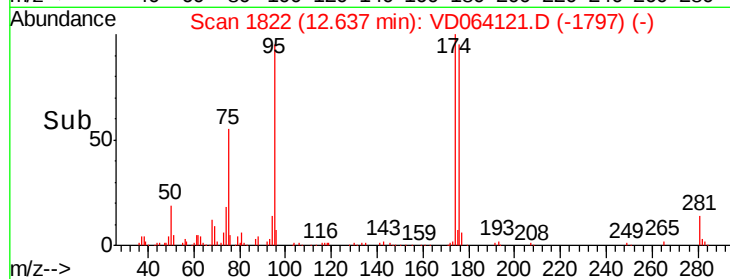
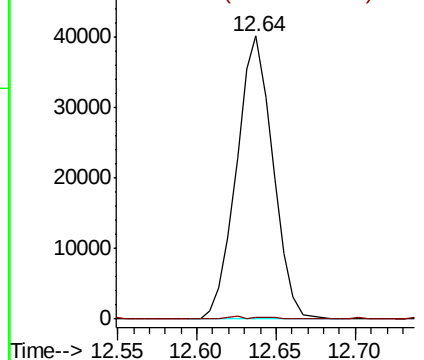
75 100

77 0.2 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: 147.825 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064121.D

Acq: 30 Oct 2019 19:22

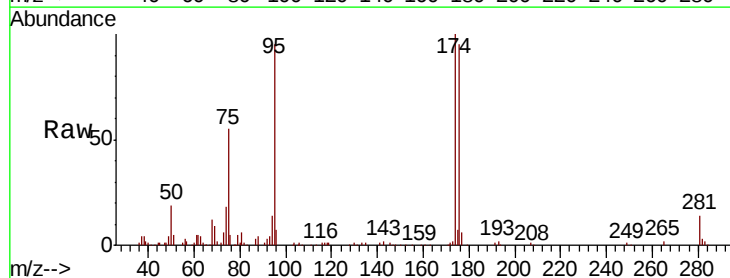
Tgt Ion: 75 Resp: 63691

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

89 0.1 36.9 55.3#



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

