

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061220\
 Data File : VD065794.D
 Acq On : 12 Jun 2020 14:13
 Operator : VA/SY
 Sample : L3001-01RE
 Misc : 5.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 13 01:39:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	218304	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	353692	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	328832	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	157431	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	113120	52.44	ug/l	0.00
Spiked Amount			Recovery	=	104.88%	
35) Dibromofluoromethane	7.91	113	102929	46.07	ug/l	0.00
Spiked Amount			Recovery	=	92.14%	
50) Toluene-d8	10.34	98	367486	44.11	ug/l	0.00
Spiked Amount			Recovery	=	88.22%	
62) 4-Bromofluorobenzene	12.64	95	130612	46.23	ug/l	0.00
Spiked Amount			Recovery	=	92.46%	

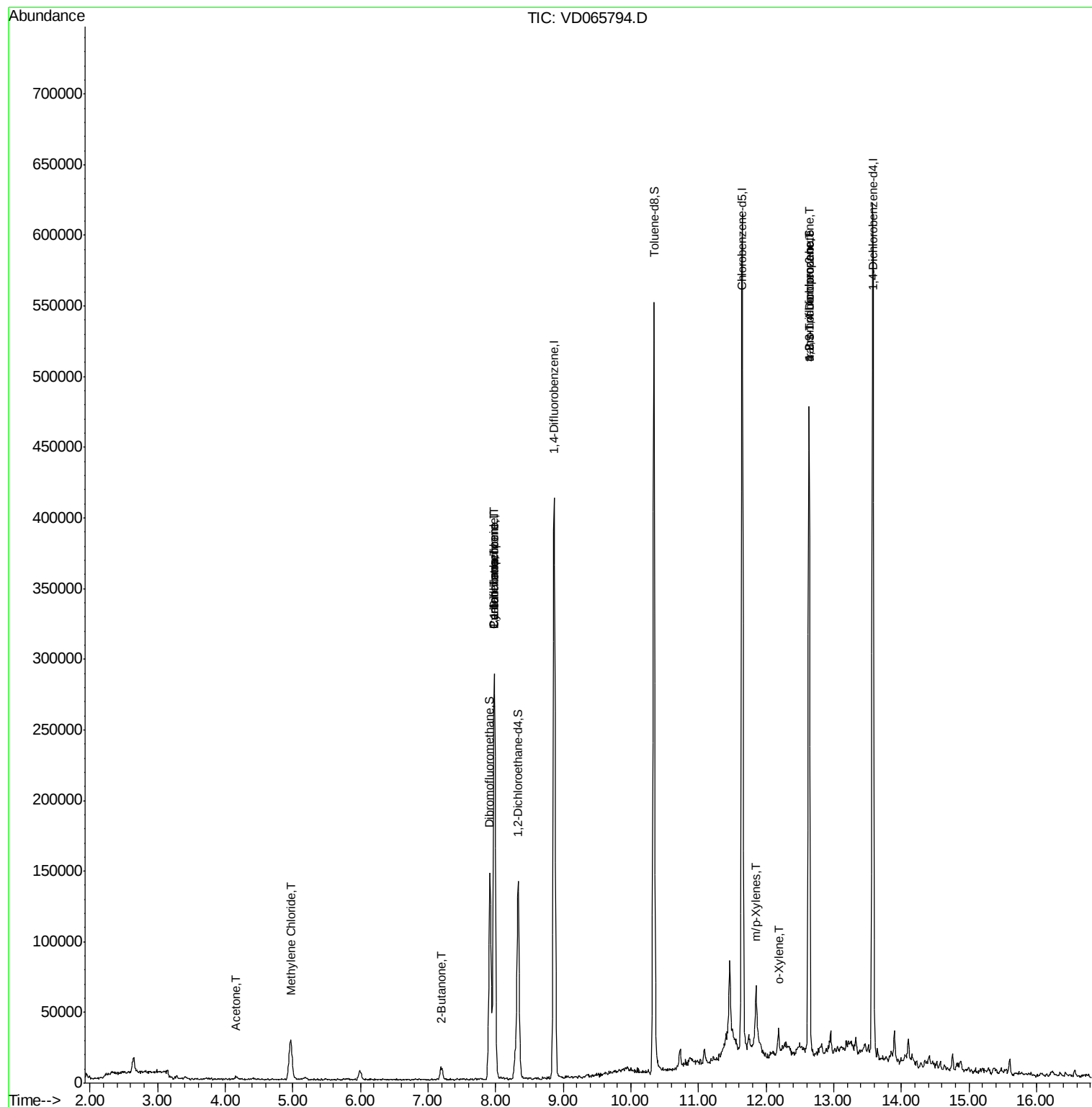
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	788	Below Cal	#	39
3) Chloromethane	2.20	50	463	Below Cal	#	43
11) Tert butyl alcohol	5.17	59	1201	Below Cal	#	74
16) Acetone	4.16	43	3480	8.552	ug/l #	73
18) Methyl Acetate	4.70	43	56	Below Cal	#	52
20) Methylene Chloride	4.97	84	21936	6.259	ug/l	94
25) 2-Butanone	7.21	43	1311	2.333	ug/l #	52
31) Cyclohexane	7.98	56	5391	1.394	ug/l #	38
36) 1,1-Dichloropropene	7.98	75	17475	5.158	ug/l #	51
38) Carbon Tetrachloride	7.98	117	22093	6.196	ug/l #	15
68) m/p-Xylenes	11.85	106	10666	2.415	ug/l	91
69) o-Xylene	12.18	106	4589	1.152	ug/l	83
76) 1,2,3-Trichloropropane	12.64	75	71078	58.053	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	71078	125.431	ug/l #	9

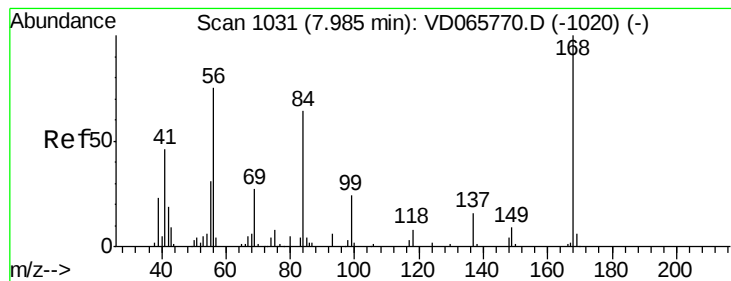
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD065794.D

Acq: 12 Jun 2020 14:13

Instrument :

MSVOA_D

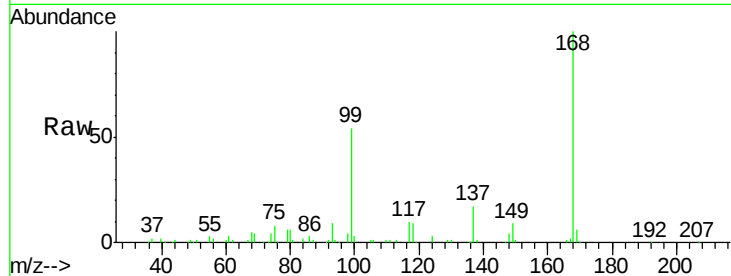
ClientSampleId :

Tot Ion:168 Resp: 218304

Ion Ratio Lower Upper

168 100

99 53.9 45.3 67.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

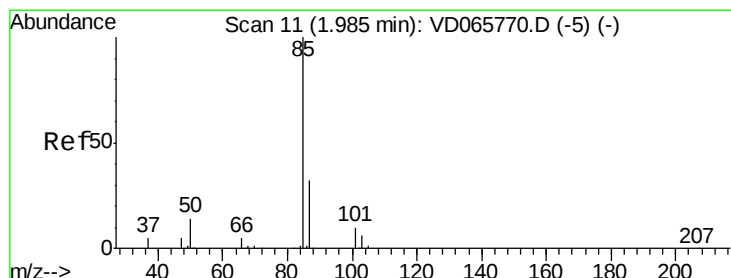
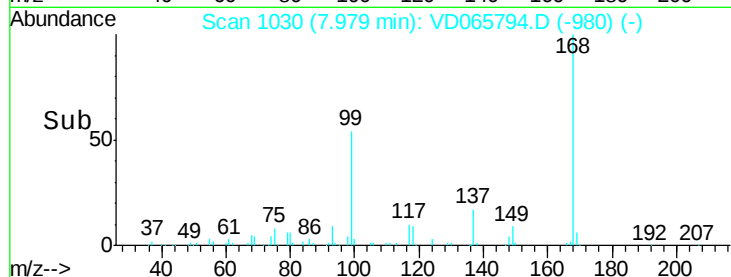
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD065794.D

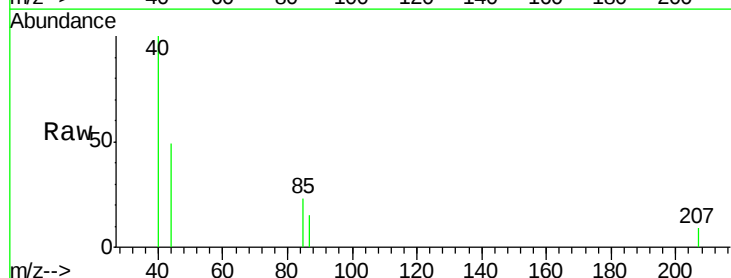
Acq: 12 Jun 2020 14:13

Tgt Ion: 85 Resp: 788

Ion Ratio Lower Upper

85 100

87 66.5 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

600

500

400

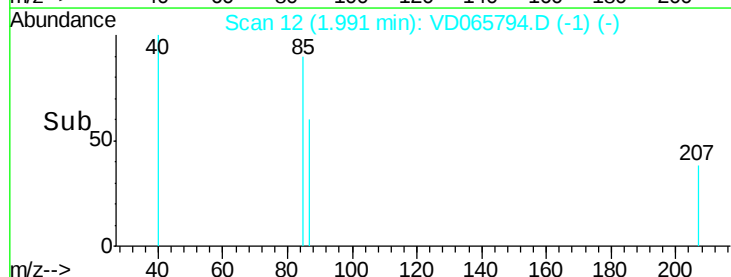
300

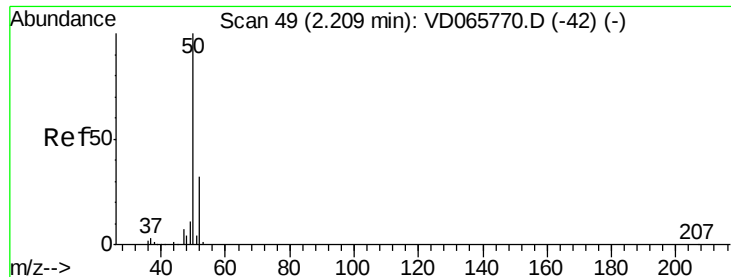
200

100

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD065794.D

Acq: 12 Jun 2020 14:13

Instrument :

MSVOA_D

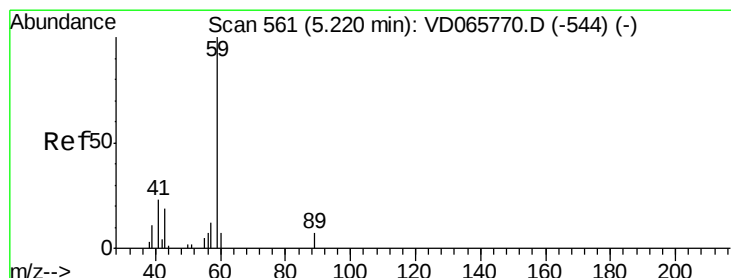
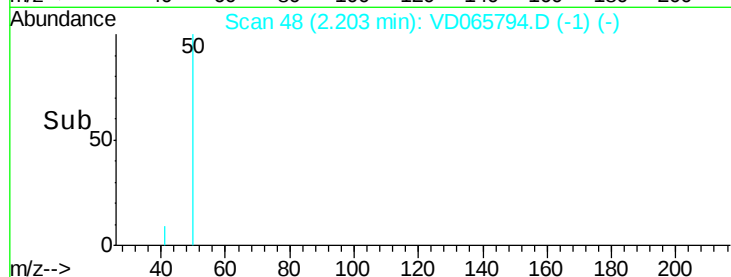
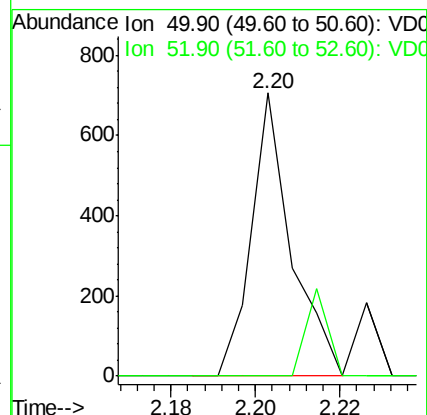
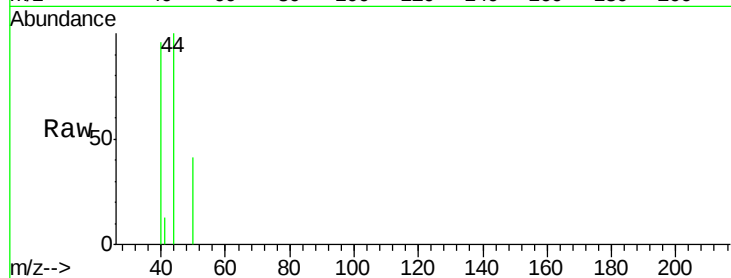
ClientSampleId :

Tot Ion: 50 Resp: 463

Ion Ratio Lower Upper

50 100

52 0.0 25.6 38.4#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 552

Delta R.T. -0.05 min

Lab File: VD065794.D

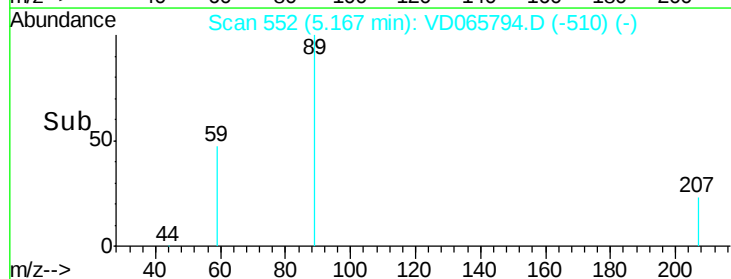
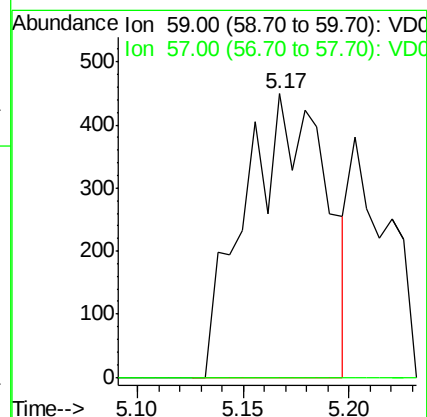
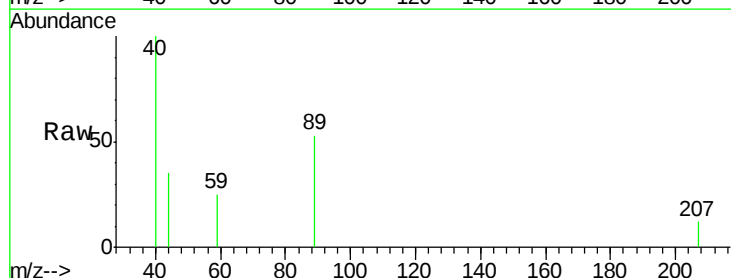
Acq: 12 Jun 2020 14:13

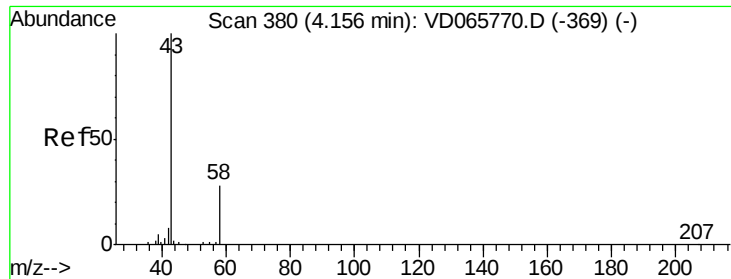
Tgt Ion: 59 Resp: 1201

Ion Ratio Lower Upper

59 100

57 0.0 7.5 11.3#





#16

Acetone

Concen: 8.552 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD065794.D

Acq: 12 Jun 2020 14:13

Instrument :

MSVOA_D

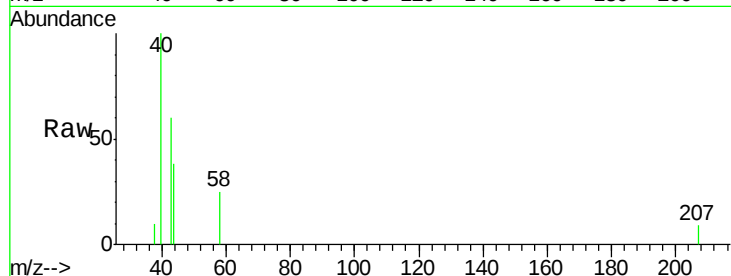
ClientSampleId :

Tot Ion: 43 Resp: 3480

Ion Ratio Lower Upper

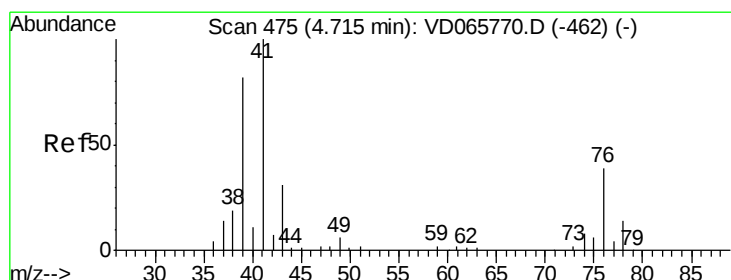
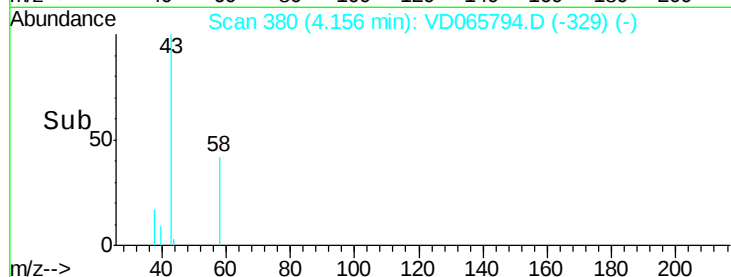
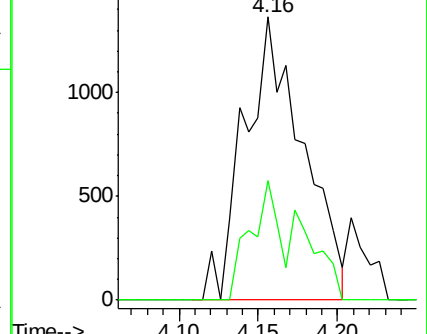
43 100

58 42.3 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#18

Methyl Acetate

Concen: Below Cal

RT: 4.70 min Scan# 472

Delta R.T. -0.02 min

Lab File: VD065794.D

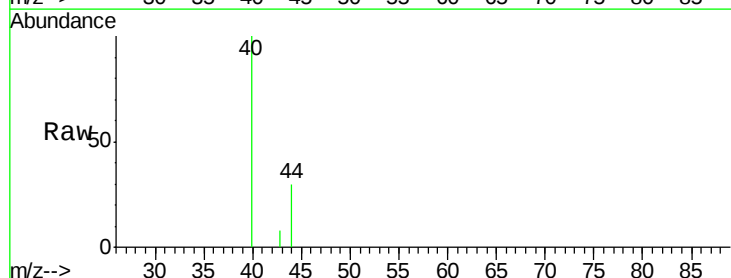
Acq: 12 Jun 2020 14:13

Tgt Ion: 43 Resp: 56

Ion Ratio Lower Upper

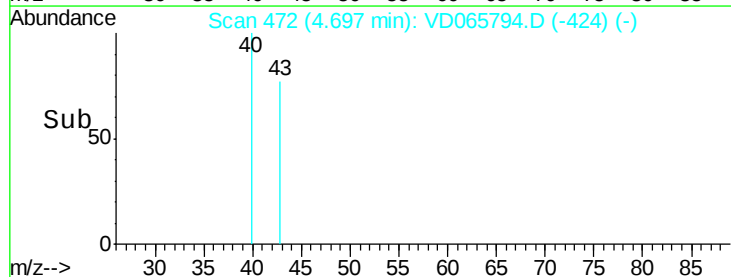
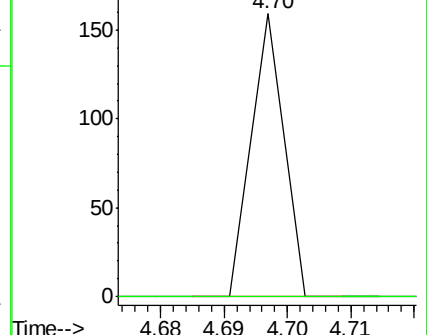
43 100

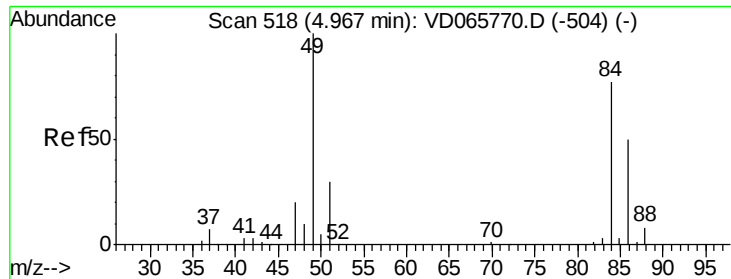
74 0.0 18.7 28.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

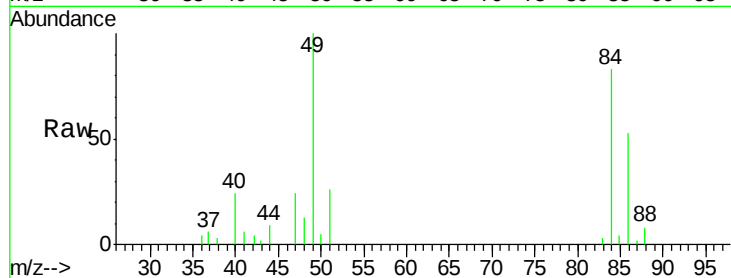




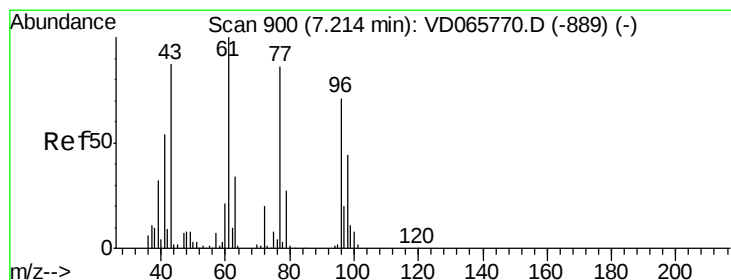
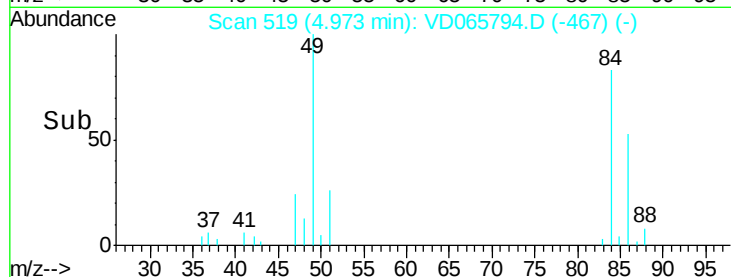
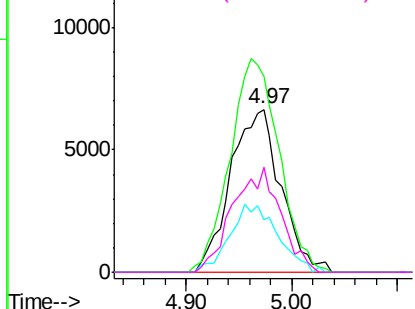
#20
Methvlene Chloride
Concen: 6.259 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD065794.D
Acq: 12 Jun 2020 14:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 21936
Ion Ratio Lower Upper
84 100
49 120.5 103.4 155.0
51 31.9 31.4 47.2
86 64.4 51.7 77.5

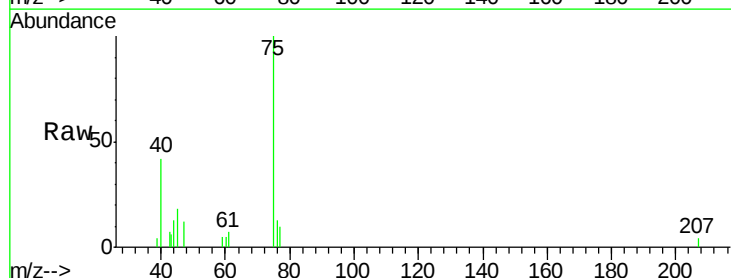


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

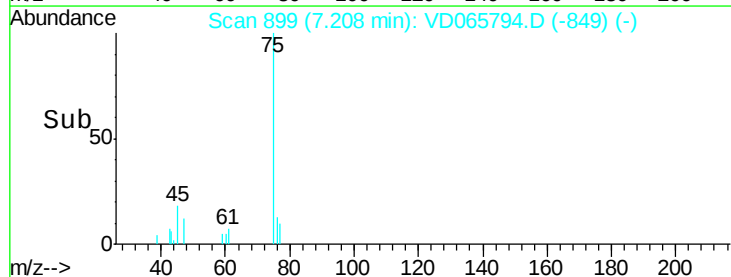
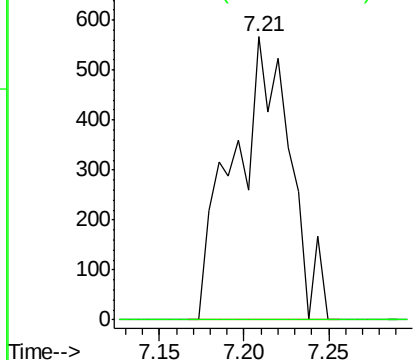


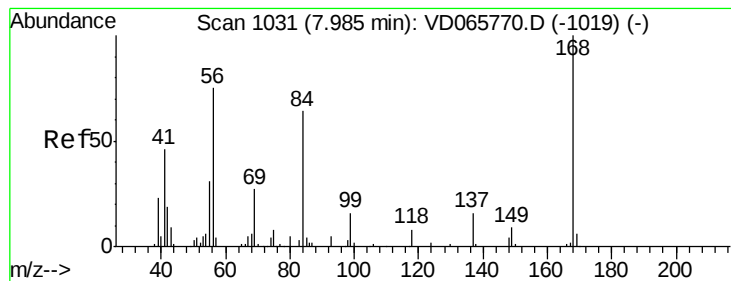
#25
2-Butanone
Concen: 2.333 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065794.D
Acq: 12 Jun 2020 14:13

Tgt Ion: 43 Resp: 1311
Ion Ratio Lower Upper
43 100
72 0.0 18.5 27.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC





#31

Cyclohexane

Concen: 1.394 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065794.D

Acq: 12 Jun 2020 14:13

Instrument :

MSVOA_D

ClientSampleId :

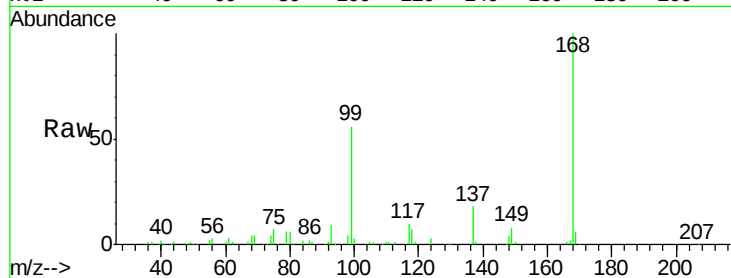
Tot Ion: 56 Resp: 5391

Ion Ratio Lower Upper

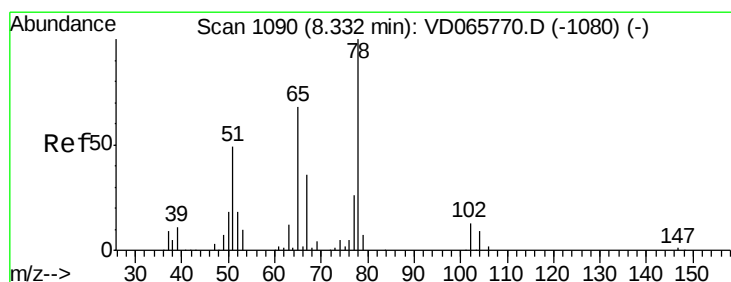
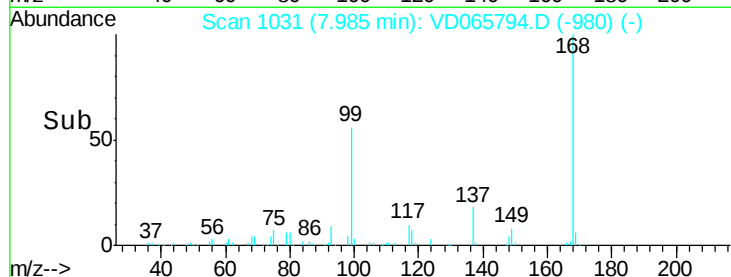
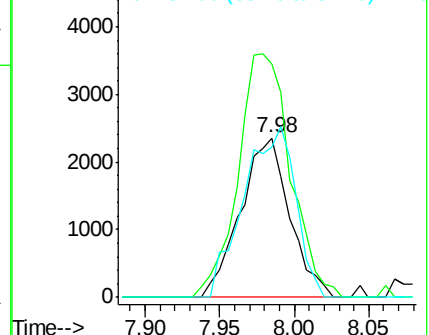
56 100

69 146.3 28.5 42.7#

84 93.8 68.4 102.6



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: 52.440 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD065794.D

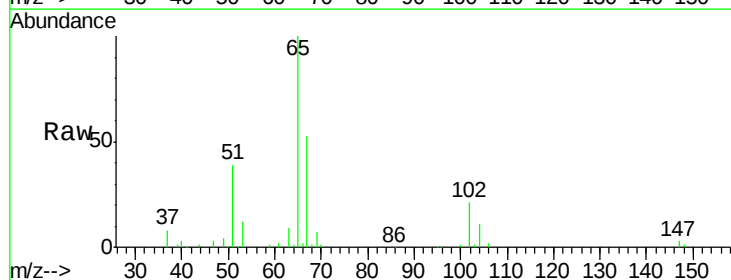
Acq: 12 Jun 2020 14:13

Tgt Ion: 65 Resp: 113120

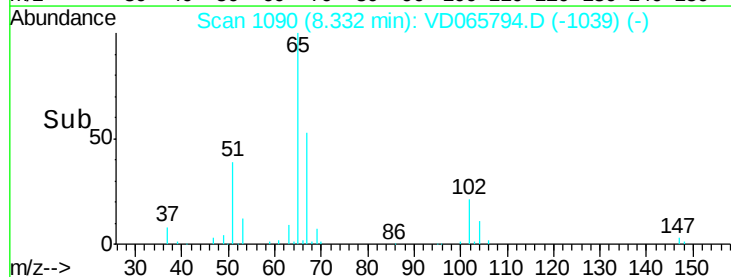
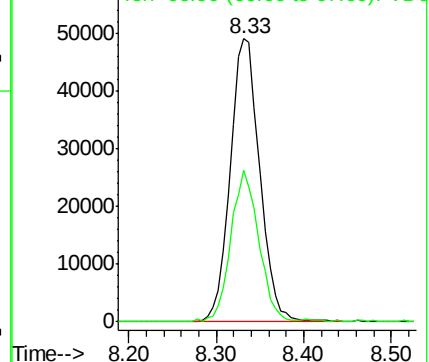
Ion Ratio Lower Upper

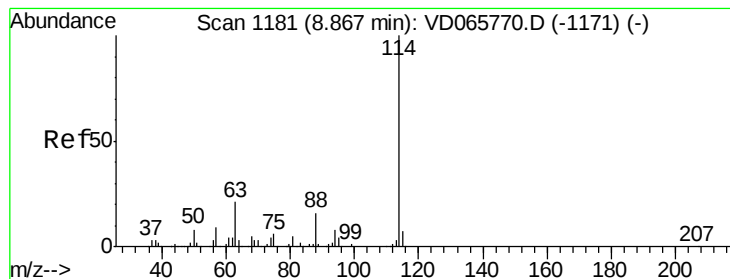
65 100

67 50.8 0.0 103.6



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: VD065794.D

Acq: 12 Jun 2020 14:13

Instrument :

MSVOA_D

ClientSampleId :

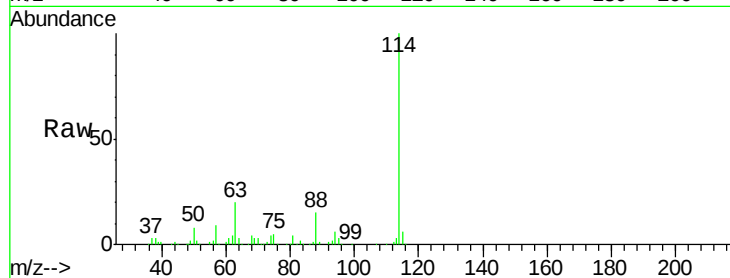
Tot Ion:114 Resp: 353692

Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.8

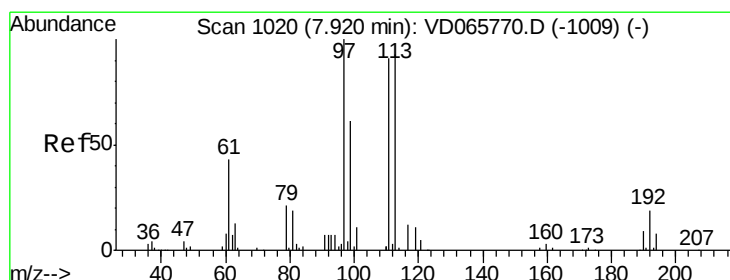
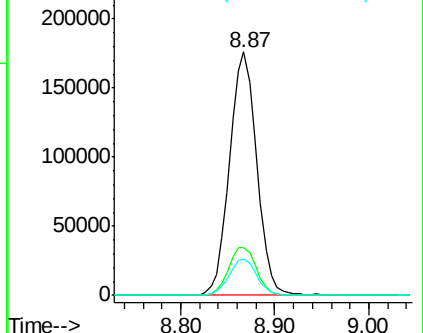
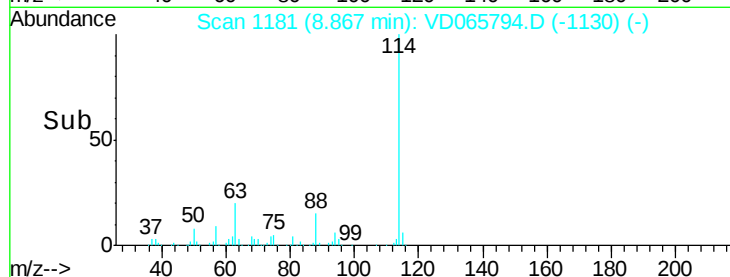
88 15.1 0.0 32.0



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: 46.071 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD065794.D

Acq: 12 Jun 2020 14:13

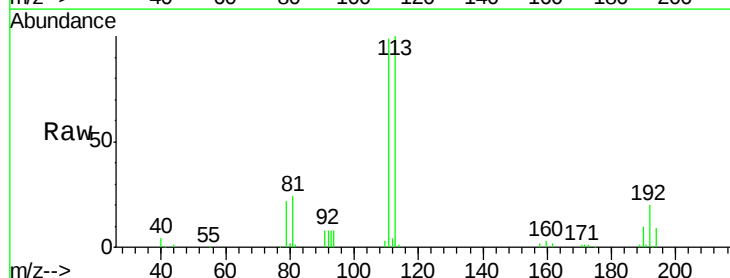
Tgt Ion:113 Resp: 102929

Ion Ratio Lower Upper

113 100

111 103.7 83.4 125.0

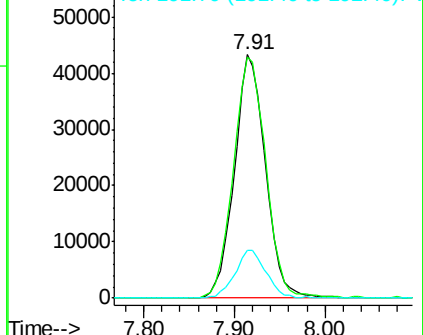
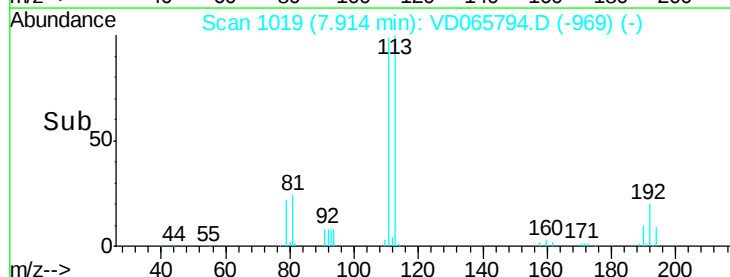
192 19.6 15.7 23.5

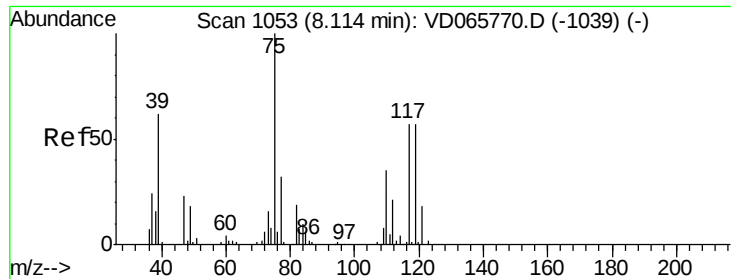


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

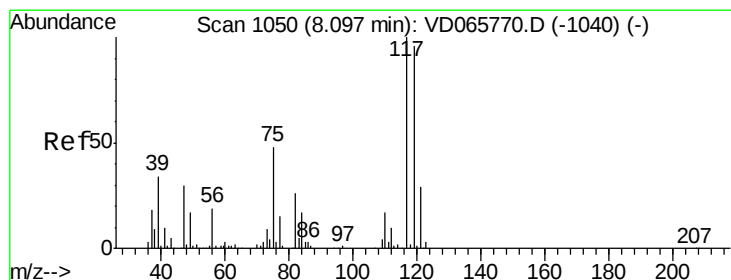
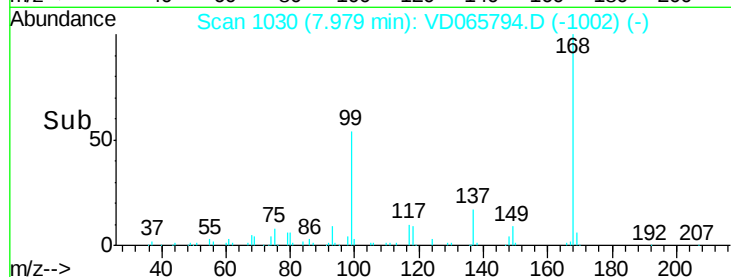
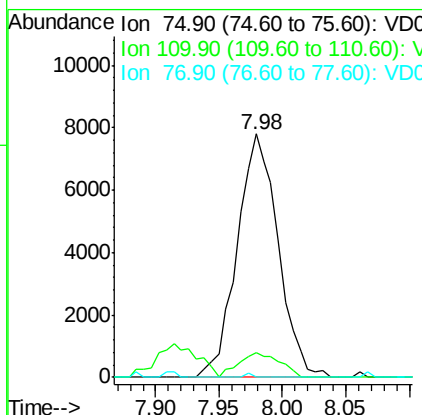
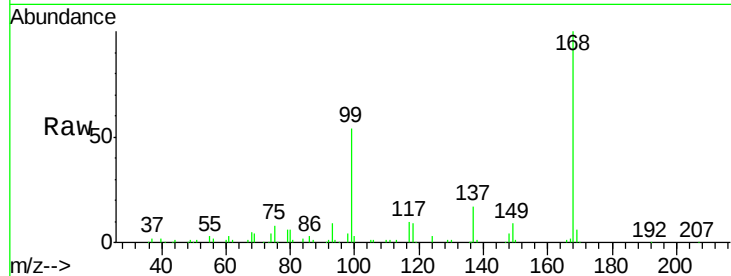




#36
 1,1-Dichloropropene
 Concen: 5.158 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065794.D
 Acq: 12 Jun 2020 14:13

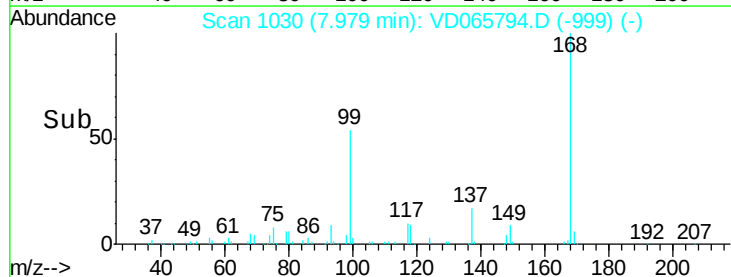
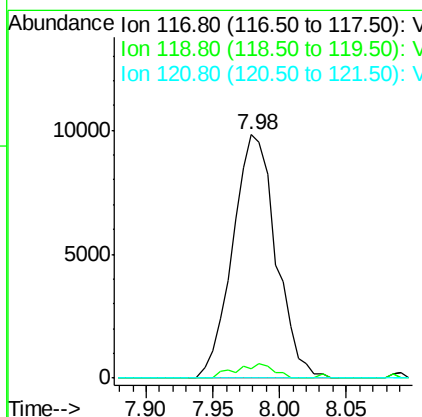
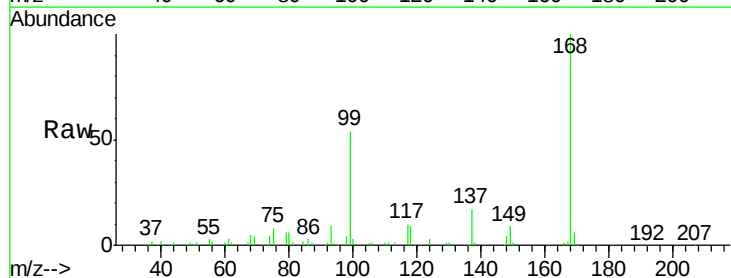
Instrument :
 MSVOA_D
 ClientSampled :

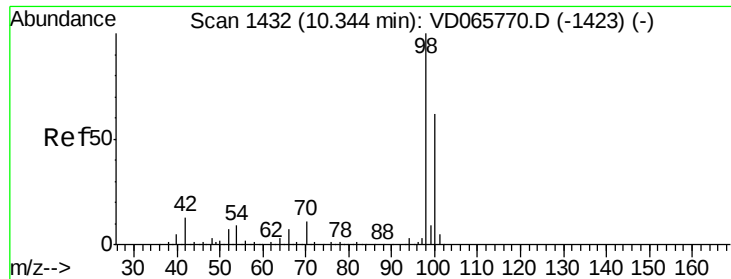
Tot Ion: 75 Resp: 17475
 Ion Ratio Lower Upper
 75 100
 110 10.1 17.6 52.8#
 77 0.3 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.196 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD065794.D
 Acq: 12 Jun 2020 14:13

Tgt Ion: 117 Resp: 22093
 Ion Ratio Lower Upper
 117 100
 119 4.0 76.8 115.2#
 121 0.0 23.4 35.2#





#50

Toluene-d8

Concen: 44.112 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065794.D

Acq: 12 Jun 2020 14:13

Instrument :

MSVOA_D

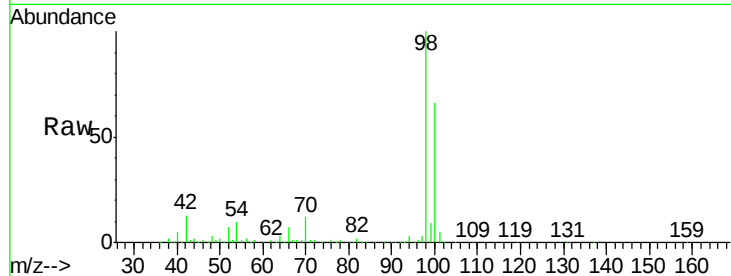
ClientSampleId :

Tot Ion: 98 Resp: 367486

Ion Ratio Lower Upper

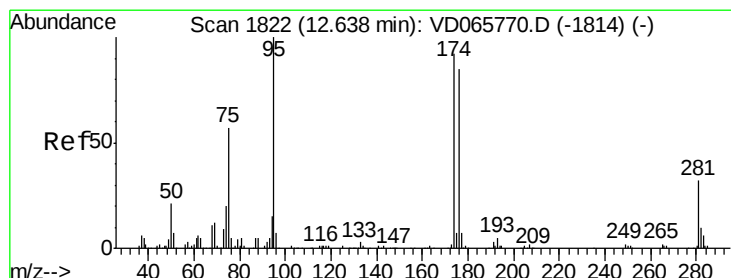
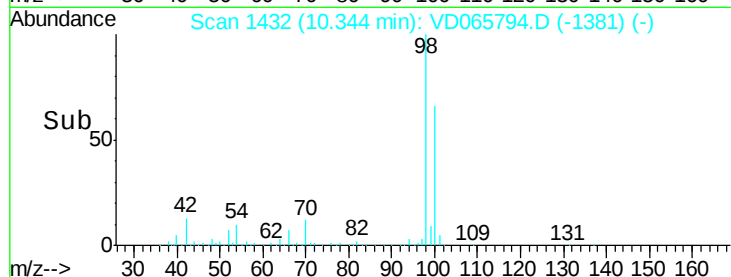
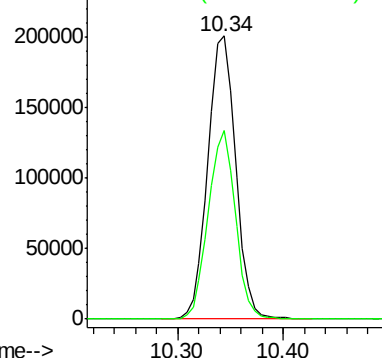
98 100

100 64.8 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 46.230 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065794.D

Acq: 12 Jun 2020 14:13

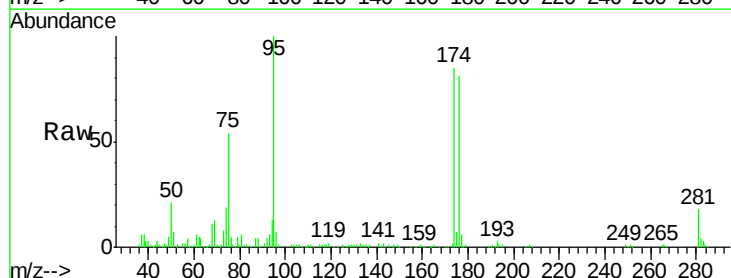
Tgt Ion: 95 Resp: 130612

Ion Ratio Lower Upper

95 100

174 83.6 0.0 175.2

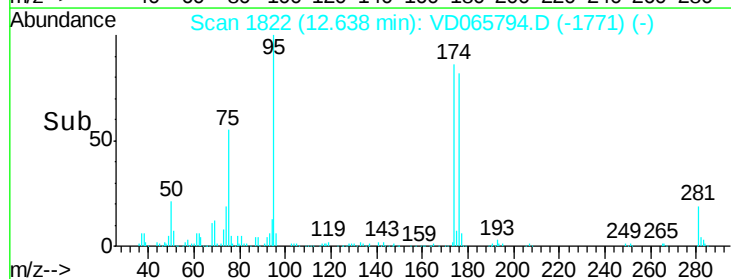
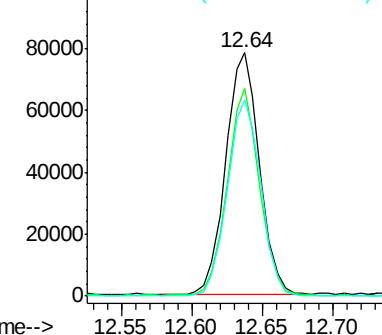
176 80.7 0.0 163.0

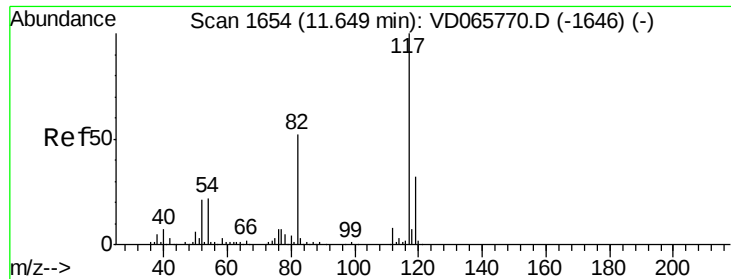


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

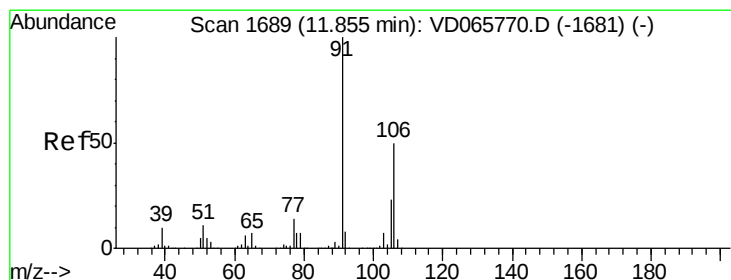
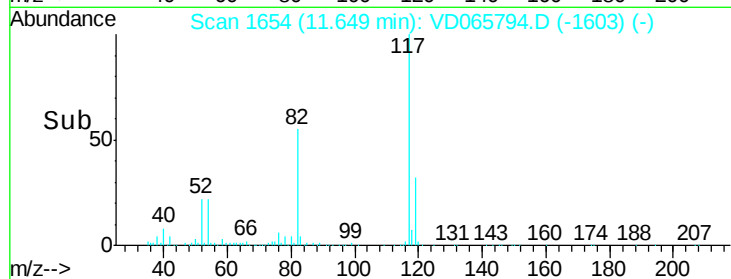
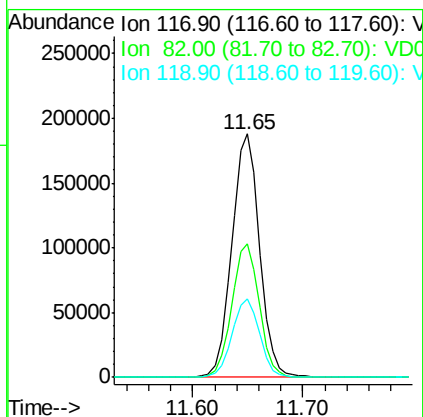
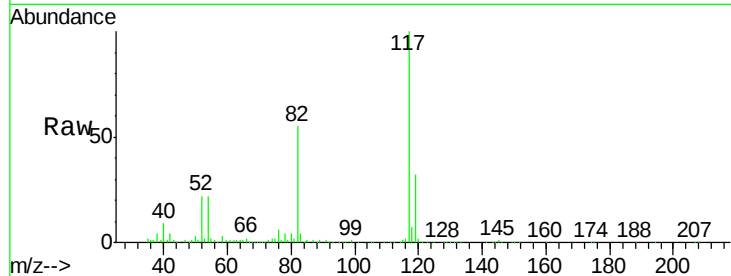




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065794.D
Acq: 12 Jun 2020 14:13

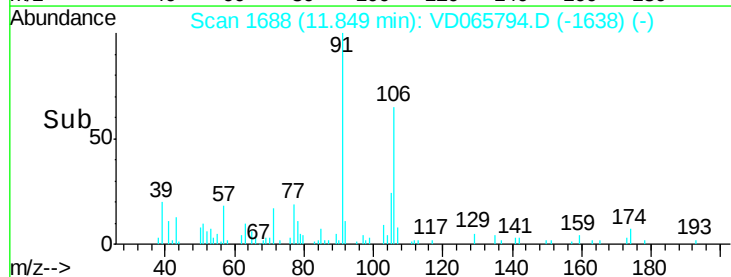
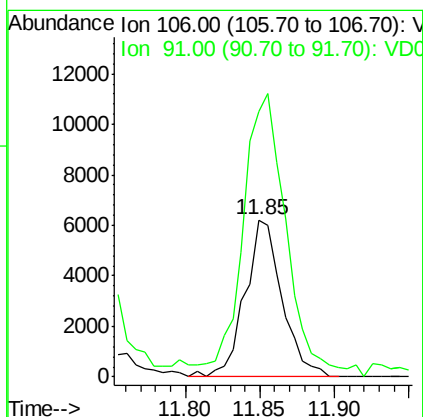
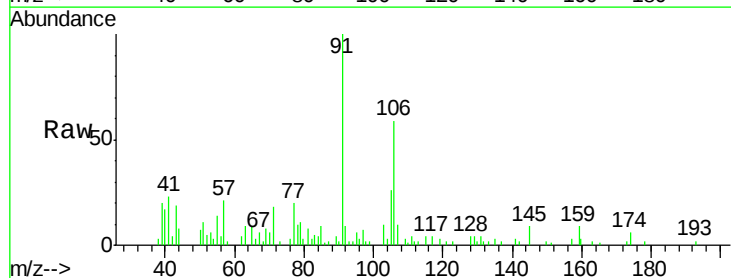
Instrument :
MSVOA_D
ClientSampleId :

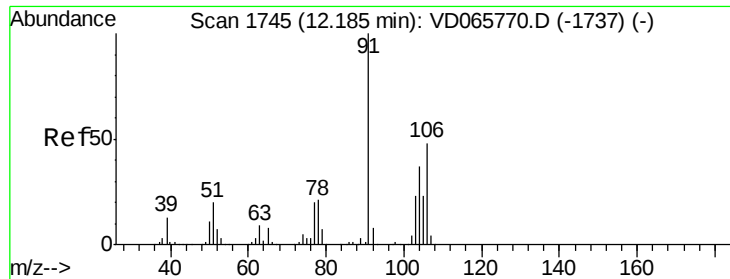
Tot Ion:117 Resp: 328832
Ion Ratio Lower Upper
117 100
82 55.0 41.9 62.9
119 32.2 25.3 37.9



#68
m/p-Xylenes
Concen: 2.415 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD065794.D
Acq: 12 Jun 2020 14:13

Tgt Ion:106 Resp: 10666
Ion Ratio Lower Upper
106 100
91 212.4 159.4 239.2

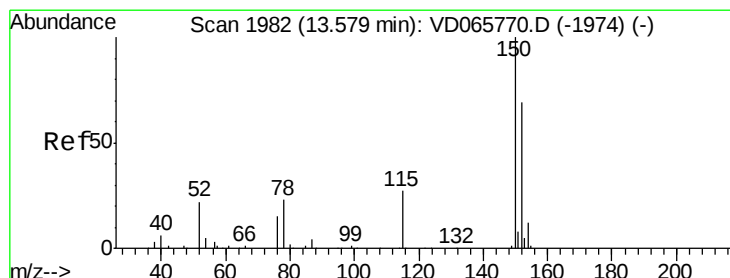
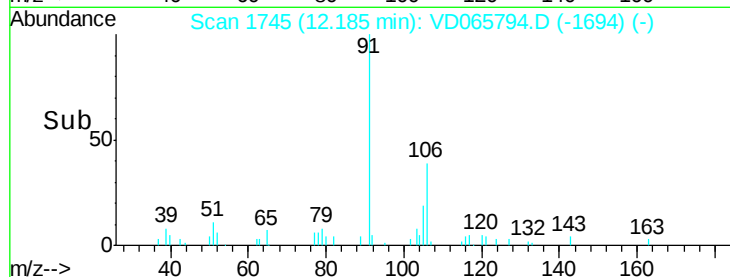
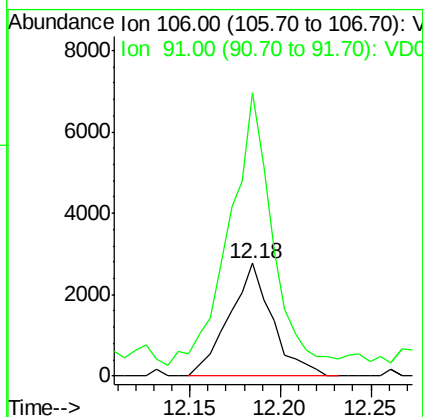
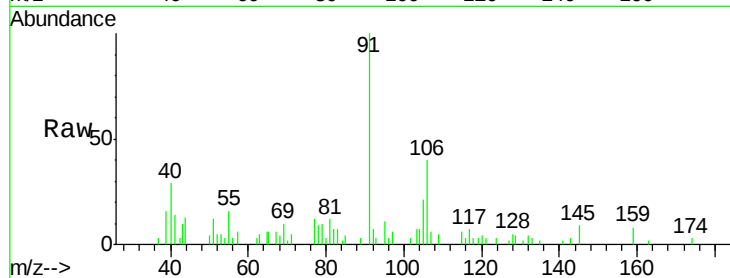




#69
o-Xylene
Concen: 1.152 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065794.D
Acq: 12 Jun 2020 14:13

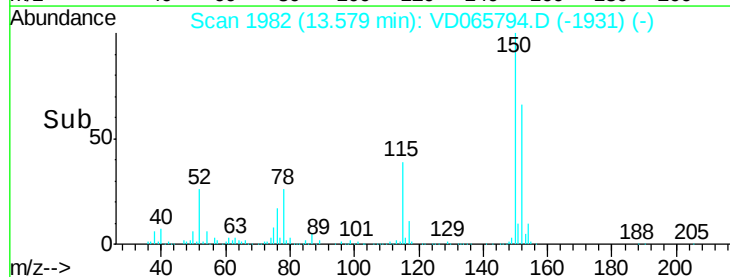
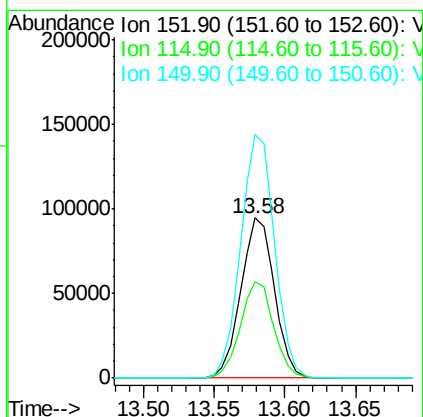
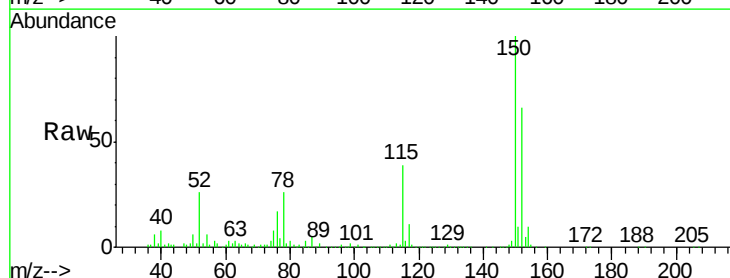
Instrument :
MSVOA_D
ClientSampled :

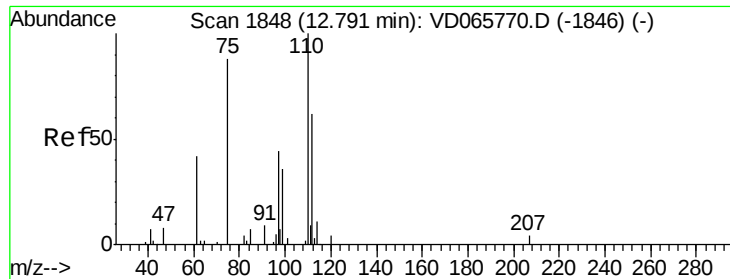
Tot Ion:106 Resp: 4589
Ion Ratio Lower Upper
106 100
91 236.9 105.3 315.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD065794.D
Acq: 12 Jun 2020 14:13

Tgt Ion:152 Resp: 157431
Ion Ratio Lower Upper
152 100
115 59.3 28.7 86.1
150 153.3 0.0 348.0





#76

1,2,3-Trichloropropane

Concen: 58.053 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065794.D

Acq: 12 Jun 2020 14:13

Instrument :

MSVOA_D

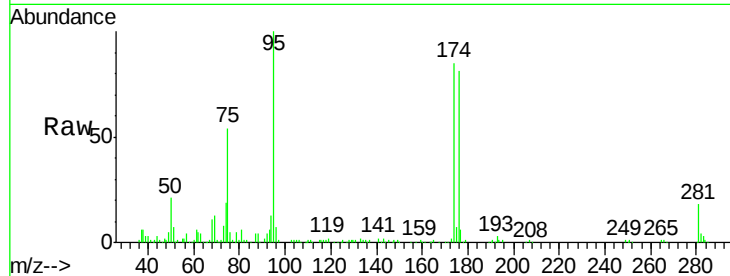
ClientSampleId :

Tot Ion: 75 Resp: 71078

Ion Ratio Lower Upper

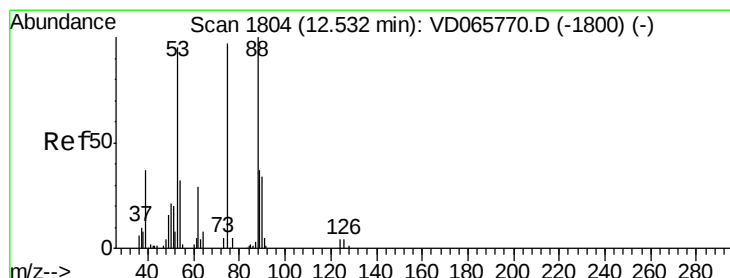
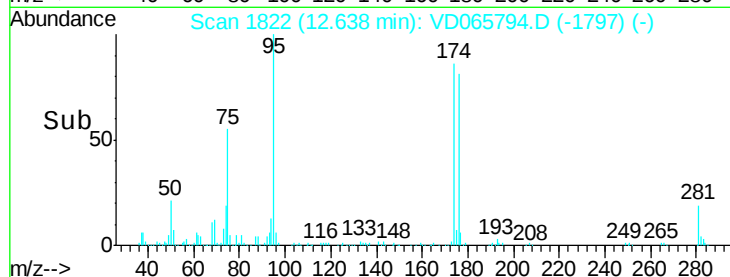
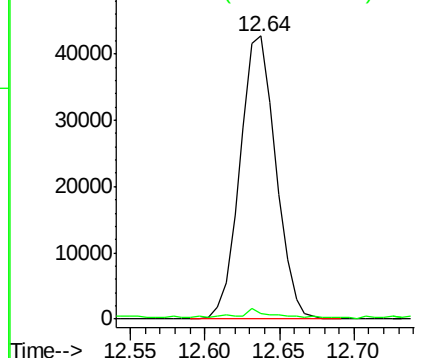
75 100

77 2.1 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: 125.431 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065794.D

Acq: 12 Jun 2020 14:13

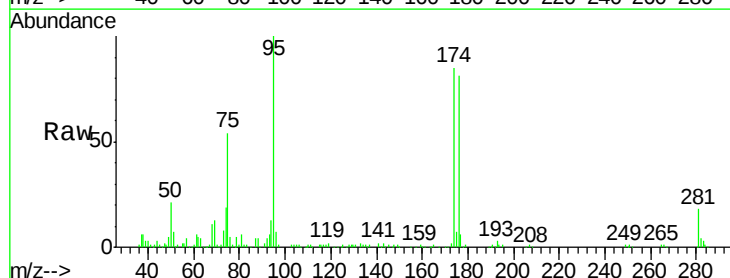
Tgt Ion: 75 Resp: 71078

Ion Ratio Lower Upper

75 100

53 0.0 82.6 123.8#

89 0.4 35.9 53.9#



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

