

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091420\
 Data File : VD066687.D
 Acq On : 14 Sep 2020 23:21
 Operator : VA/SY
 Sample : L3993-11
 Misc : 8.03G/5.00ml/MSVOA D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 15 02:41:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	373420	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	685027	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	645816	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	290445	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	248806	55.07	ug/l	0.00
Spiked Amount			Recovery	=	110.14%	
35) Dibromofluoromethane	7.91	113	236393	51.15	ug/l	0.00
Spiked Amount			Recovery	=	102.30%	
50) Toluene-d8	10.34	98	849120	51.41	ug/l	0.00
Spiked Amount			Recovery	=	102.82%	
62) 4-Bromofluorobenzene	12.63	95	313414	57.23	ug/l	0.00
Spiked Amount			Recovery	=	114.46%	

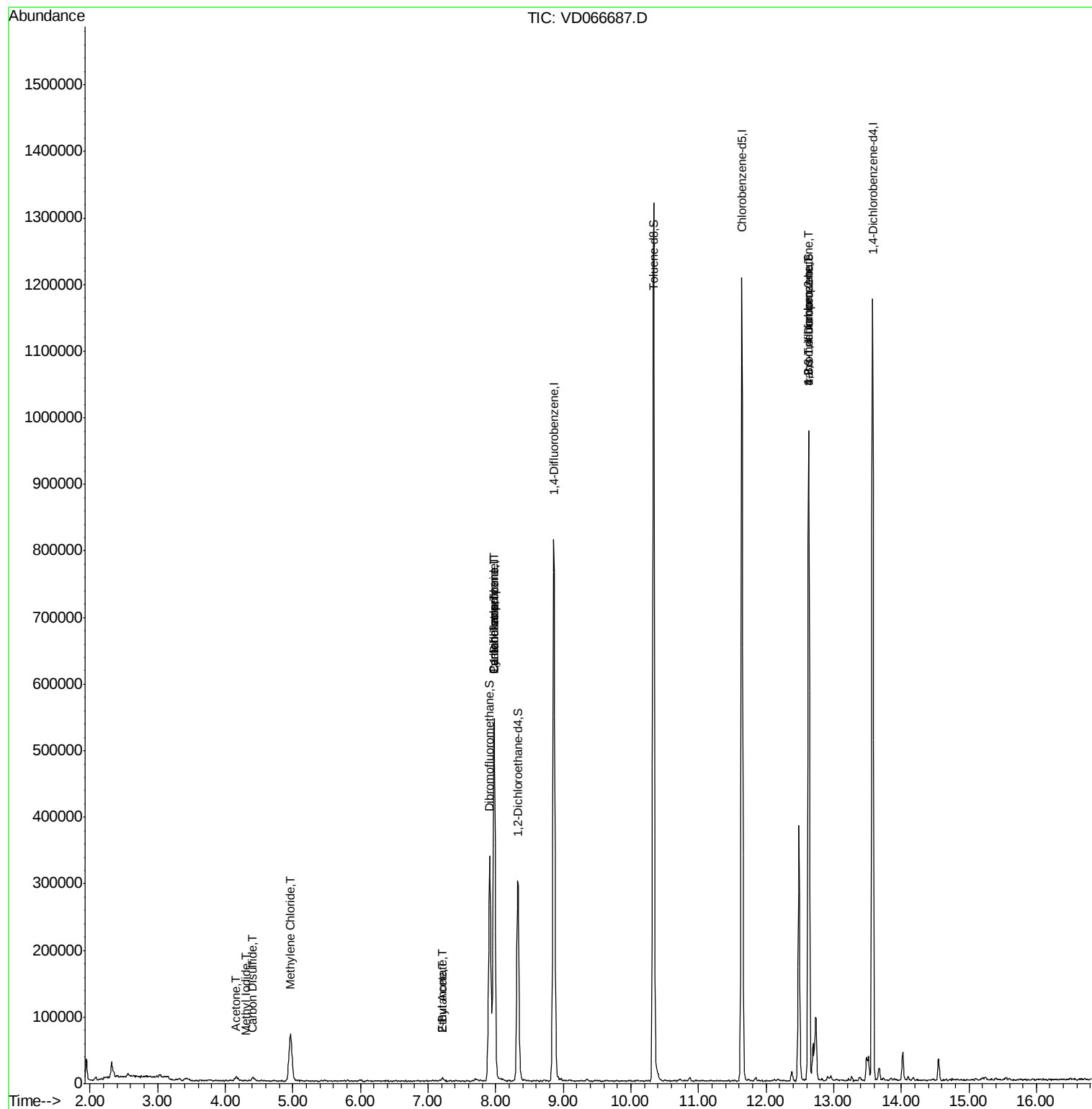
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	489	Below Cal	#	46
5) Bromomethane	2.78	94	1027	Below Cal		91
10) Methyl Iodide	4.30	142	263	4.087	ug/l #	61
11) Tert butyl alcohol	5.22	59	56	Below Cal	#	74
16) Acetone	4.16	43	12244	14.729	ug/l	95
17) Carbon Disulfide	4.41	76	13236	1.070	ug/l	100
20) Methylene Chloride	4.97	84	53463	5.973	ug/l	92
25) 2-Butanone	7.21	43	6220	5.574	ug/l #	78
31) Cyclohexane	7.97	56	11432	1.551	ug/l #	23
36) 1,1-Dichloropropene	7.98	75	34186	4.795	ug/l #	50
37) Ethyl Acetate	7.21	43	6220	2.191	ug/l #	70
38) Carbon Tetrachloride	7.97	117	43661	5.794	ug/l #	17
76) 1,2,3-Trichloropropane	12.63	75	175470	62.818	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	175470	146.658	ug/l #	6

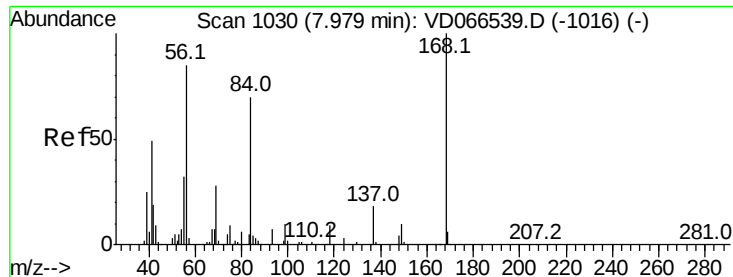
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091420\
Data File : VD066687.D
Acq On : 14 Sep 2020 23:21
Operator : VA/SY
Sample : L3993-11
Misc : 8.03G/5.00ml/MSVOA D/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Sep 15 02:41:42 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:57:04 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066687.D

Acq: 14 Sep 2020 23:21

Instrument :

MSVOA_D

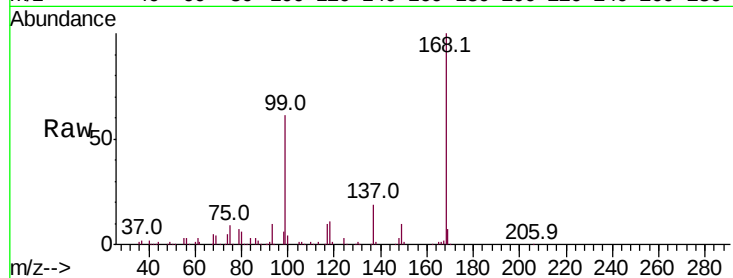
ClientSampleId :

Tot Ion:168 Resp: 373420

Ion Ratio Lower Upper

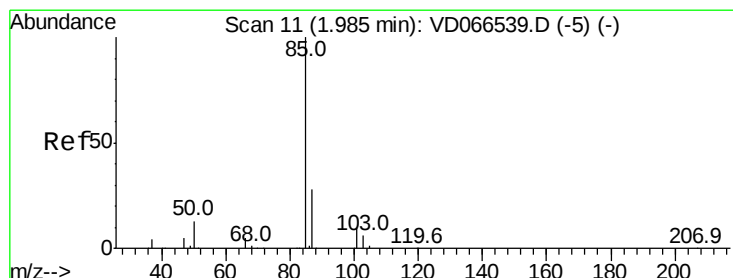
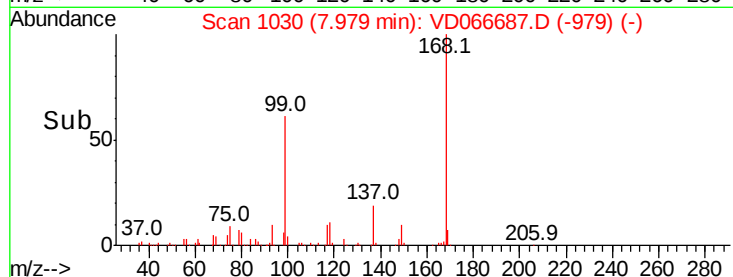
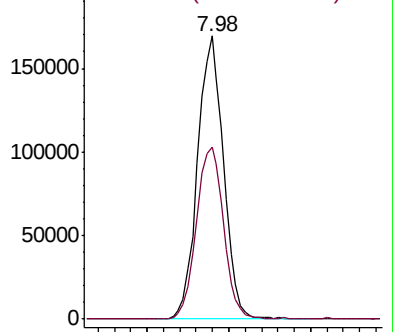
168 100

99 61.0 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.98 min Scan# 10

Delta R.T. -0.01 min

Lab File: VD066687.D

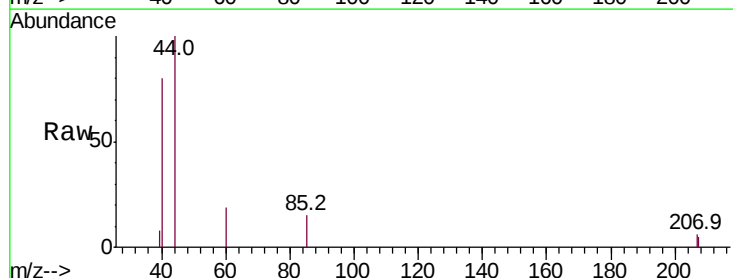
Acq: 14 Sep 2020 23:21

Tgt Ion: 85 Resp: 489

Ion Ratio Lower Upper

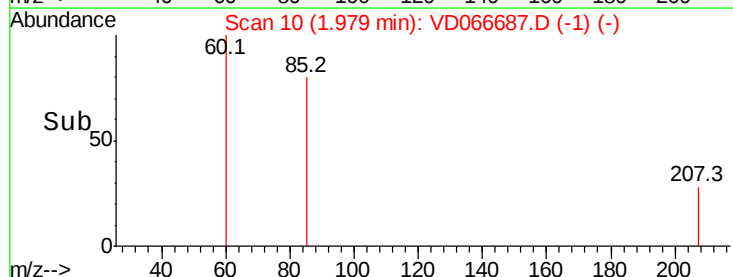
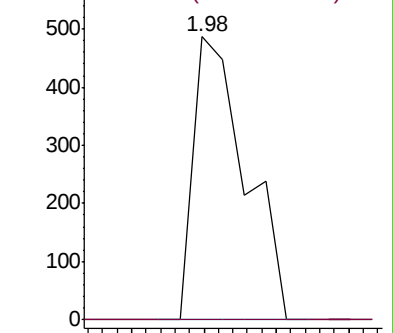
85 100

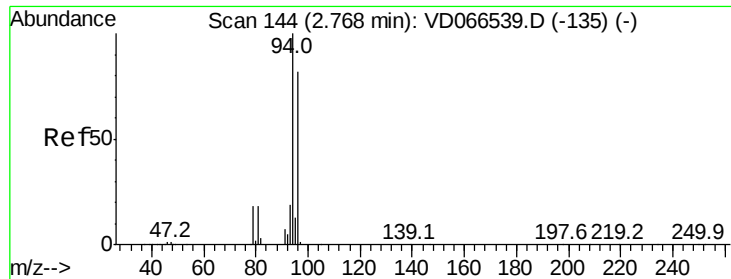
87 0.0 14.2 42.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD066687.D

Acq: 14 Sep 2020 23:21

Instrument :

MSVOA_D

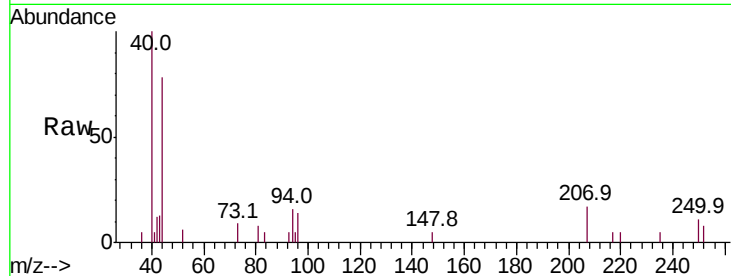
ClientSampled :

Tot Ion: 94 Resp: 1027

Ion Ratio Lower Upper

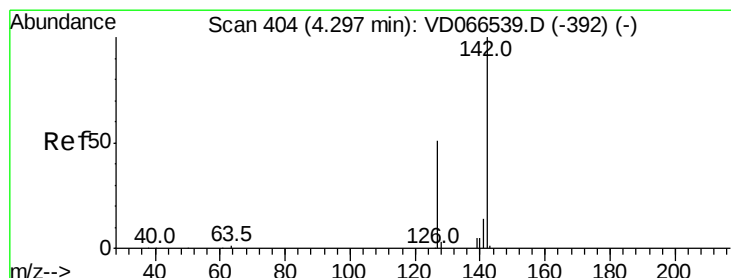
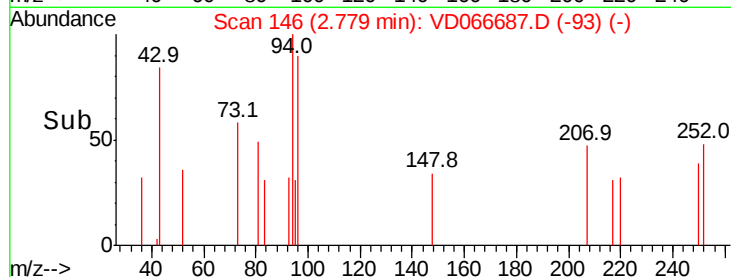
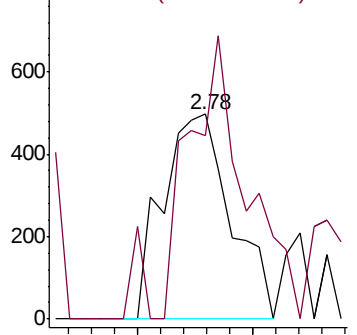
94 100

96 89.5 65.2 97.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#10

Methyl Iodide

Concen: 4.087 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD066687.D

Acq: 14 Sep 2020 23:21

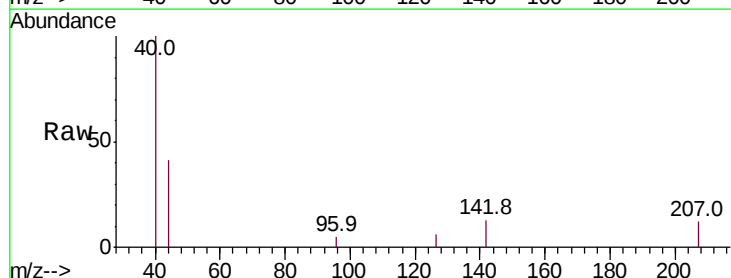
Tgt Ion: 142 Resp: 263

Ion Ratio Lower Upper

142 100

127 23.6 40.6 61.0#

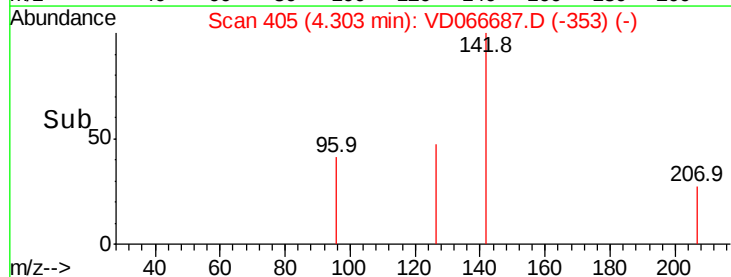
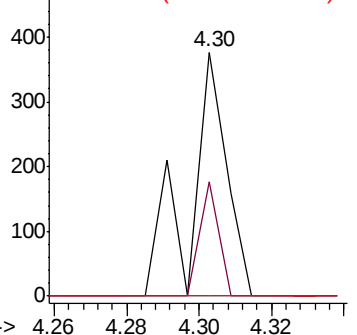
141 0.0 12.2 18.4#

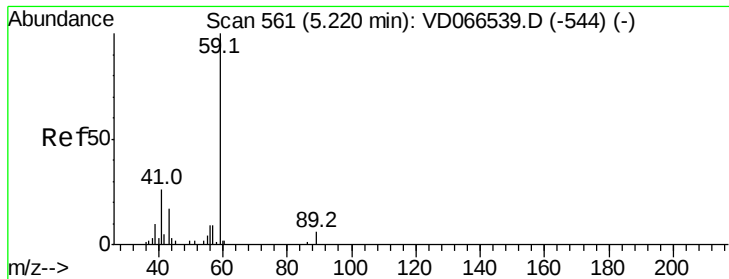


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



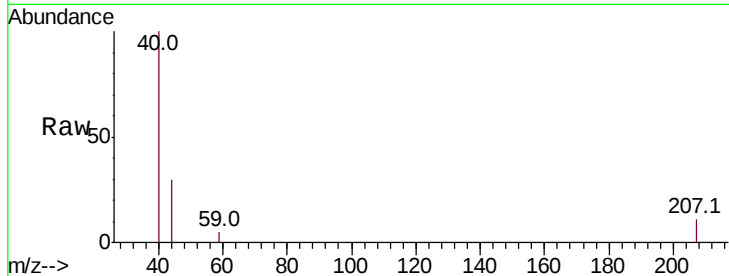


#11

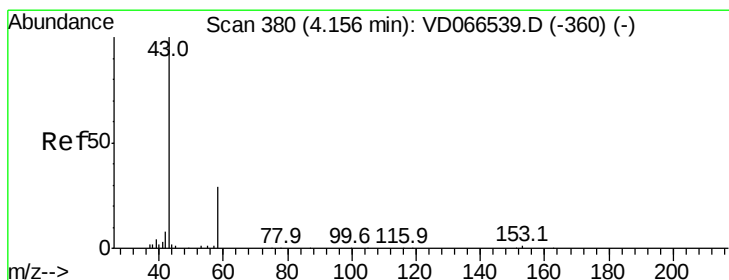
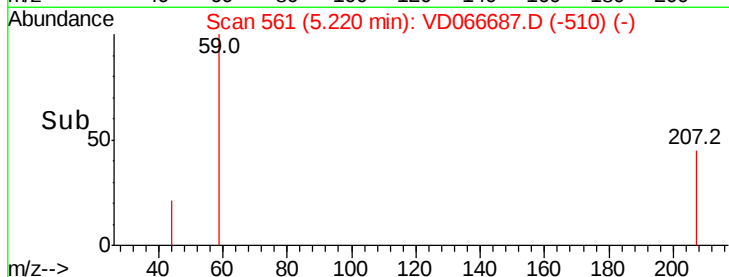
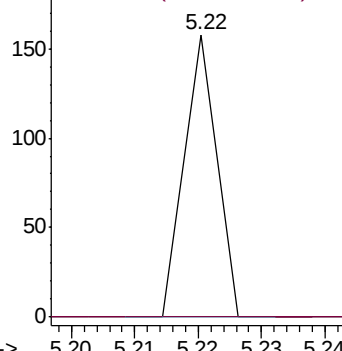
Tert butyl alcohol
Concen: Below Cal
RT: 5.22 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD066687.D
Acq: 14 Sep 2020 23:21

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 59 Resp: 56
Ion Ratio Lower Upper
59 100
57 0.0 7.6 11.4#



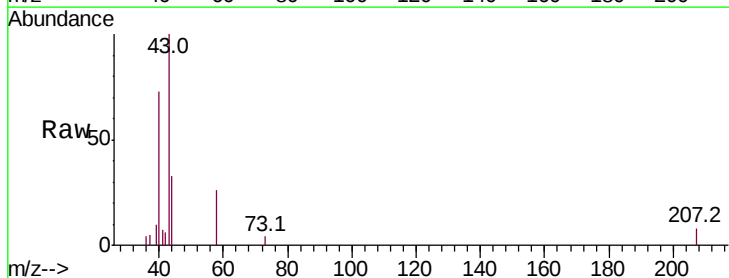
Abundance Ion 59.00 (58.70 to 59.70): VDC
Ion 57.00 (56.70 to 57.70): VDC



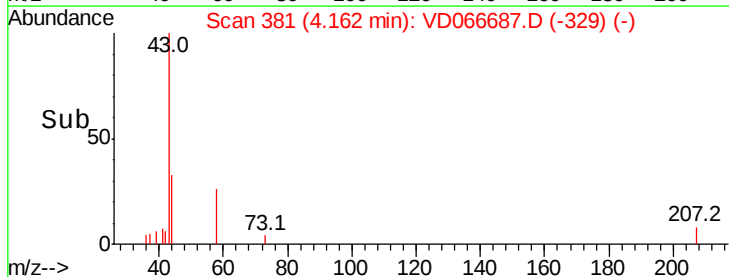
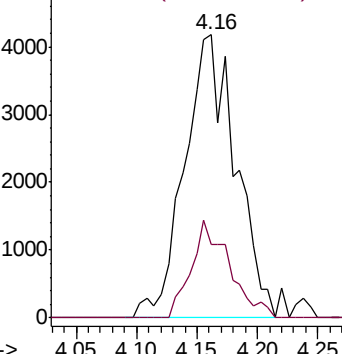
#16

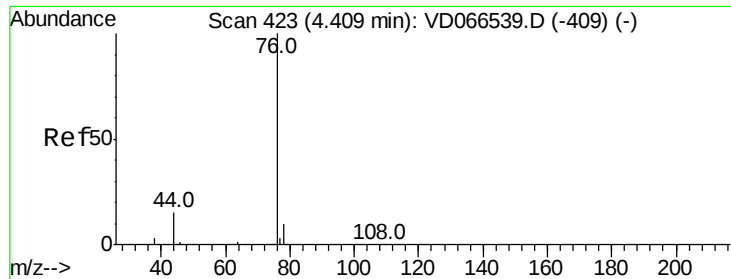
Acetone
Concen: 14.729 ug/l
RT: 4.16 min Scan# 381
Delta R.T. 0.01 min
Lab File: VD066687.D
Acq: 14 Sep 2020 23:21

Tgt Ion: 43 Resp: 12244
Ion Ratio Lower Upper
43 100
58 25.7 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 1.070 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD066687.D

Acq: 14 Sep 2020 23:21

Instrument :

MSVOA_D

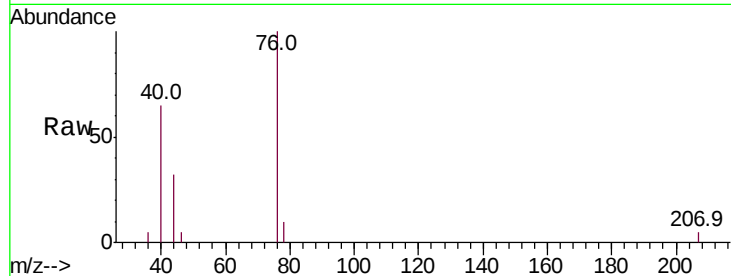
ClientSampleId :

Tot Ion: 76 Resp: 13236

Ion Ratio Lower Upper

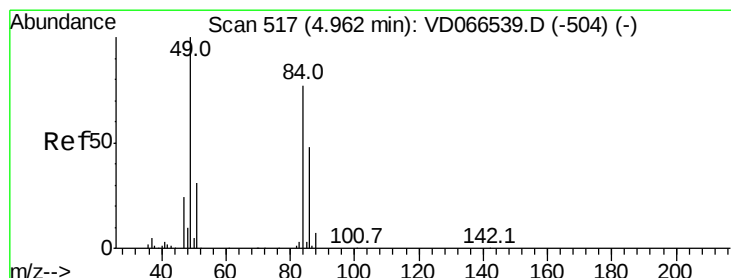
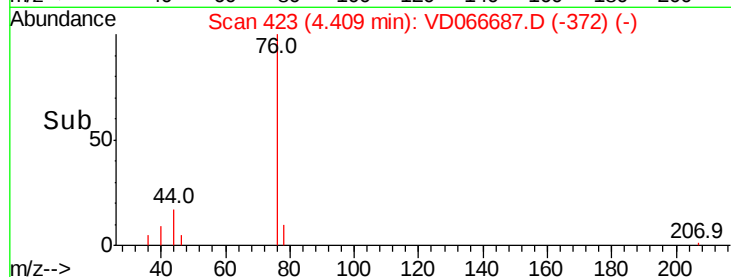
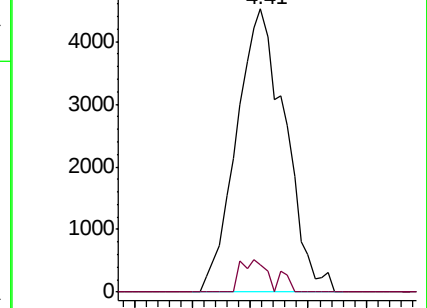
76 100

78 9.6 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#20

Methylene Chloride

Concen: 5.973 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD066687.D

Acq: 14 Sep 2020 23:21

Tgt Ion: 84 Resp: 53463

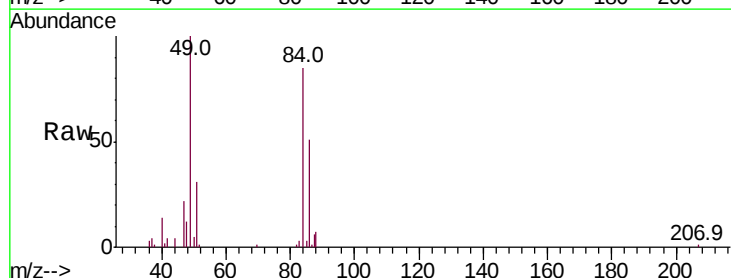
Ion Ratio Lower Upper

84 100

49 117.3 104.3 156.5

51 36.2 32.2 48.4

86 60.0 50.0 75.0

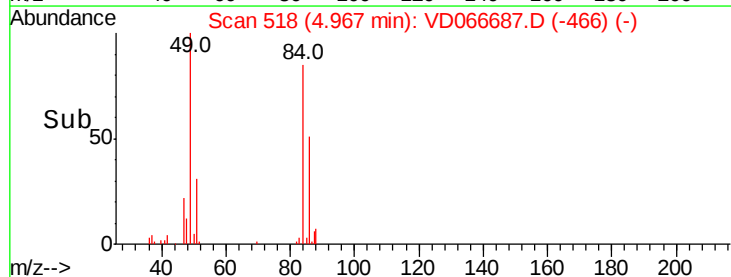
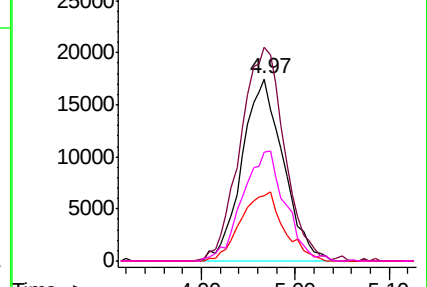


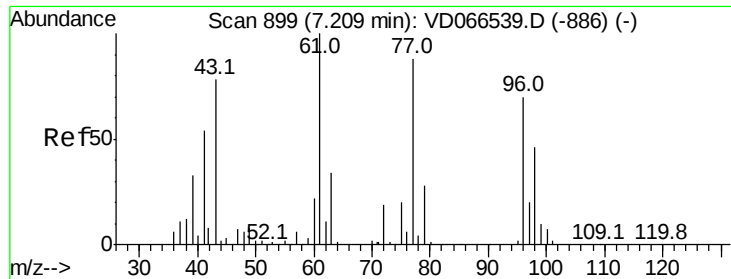
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 5.574 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066687.D

Acq: 14 Sep 2020 23:21

Instrument :

MSVOA_D

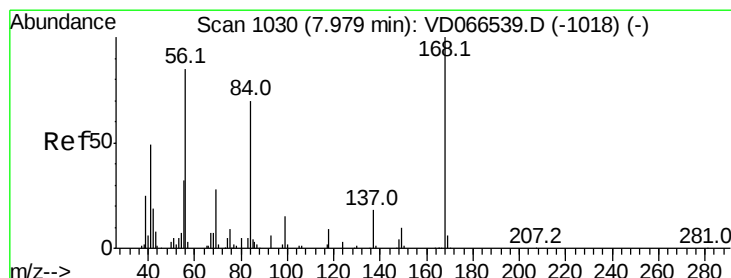
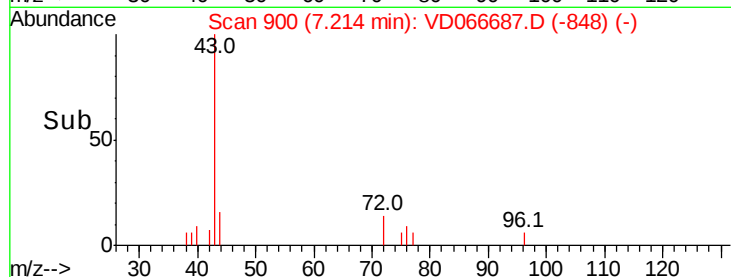
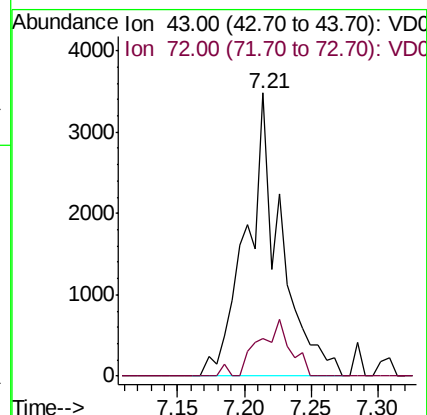
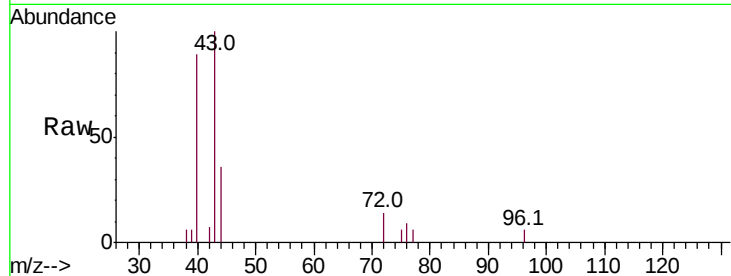
ClientSampleId :

Tot Ion: 43 Resp: 6220

Ion Ratio Lower Upper

43 100

72 13.5 19.8 29.6#



#31

Cyclohexane

Concen: 1.551 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066687.D

Acq: 14 Sep 2020 23:21

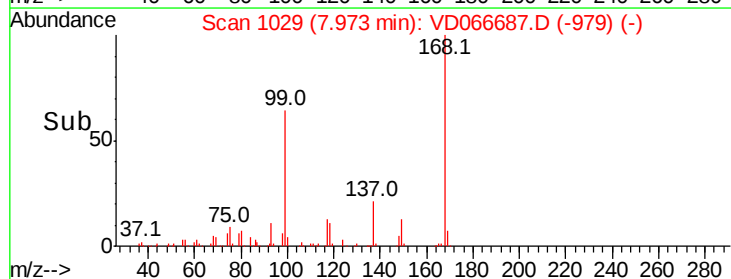
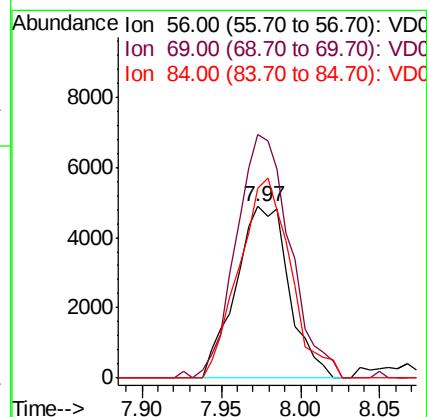
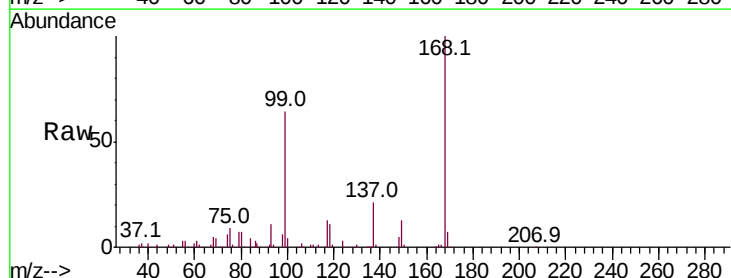
Tgt Ion: 56 Resp: 11432

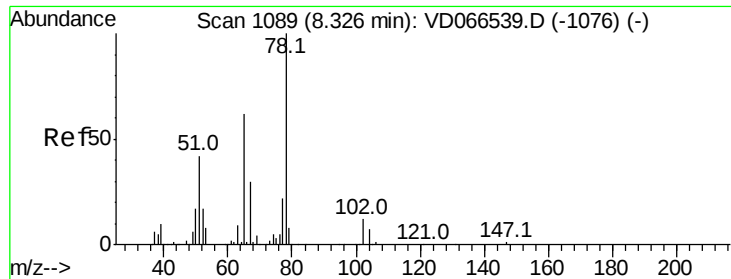
Ion Ratio Lower Upper

56 100

69 141.7 26.3 39.5#

84 110.6 66.1 99.1#





#33

1,2-Dichloroethane-d4

Concen: 55.070 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.01 min

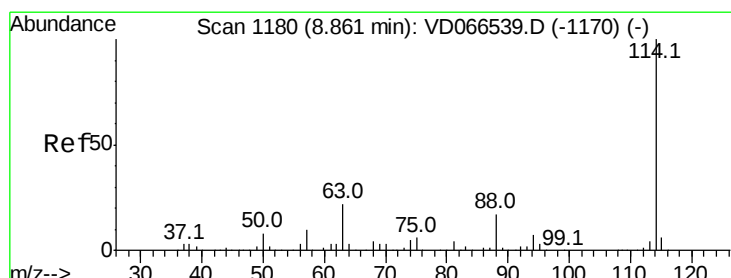
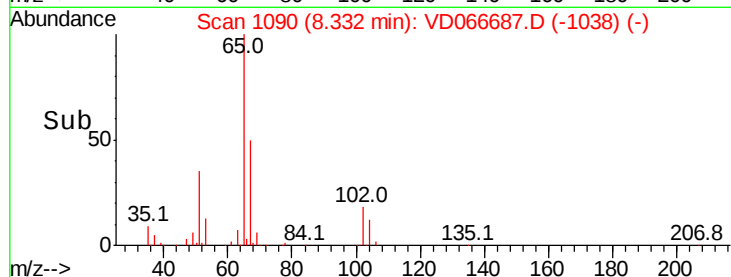
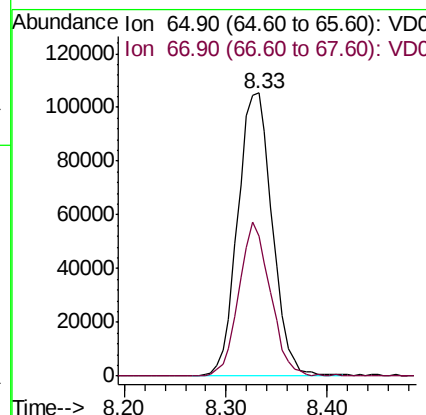
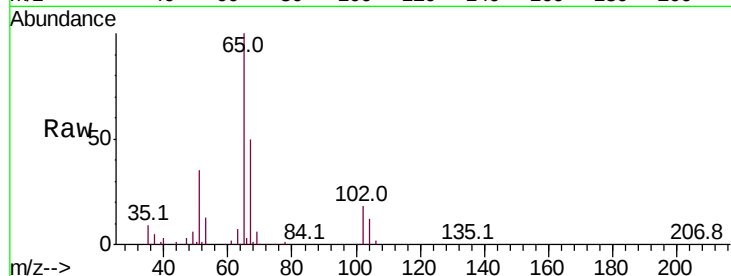
Lab File: VD066687.D

Acq: 14 Sep 2020 23:21

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 65 Resp: 248806

Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

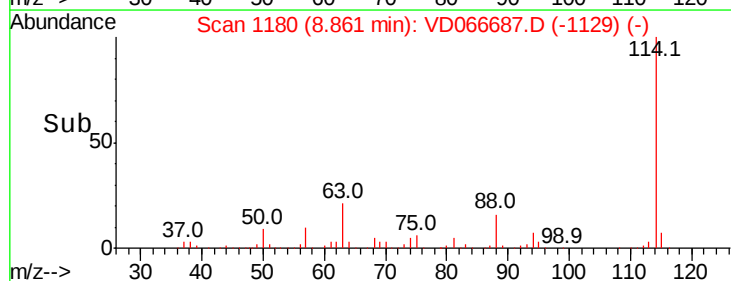
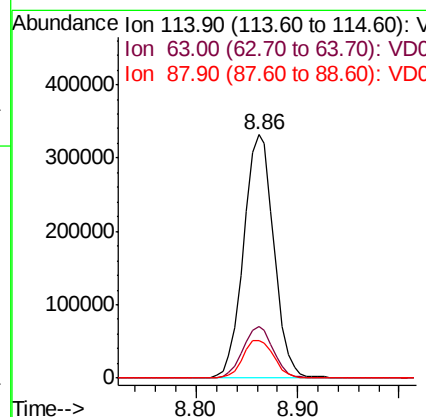
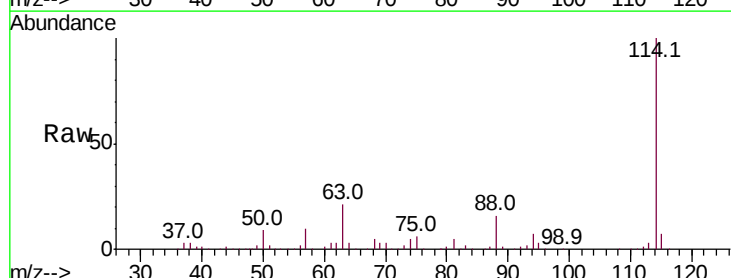
Delta R.T. -0.00 min

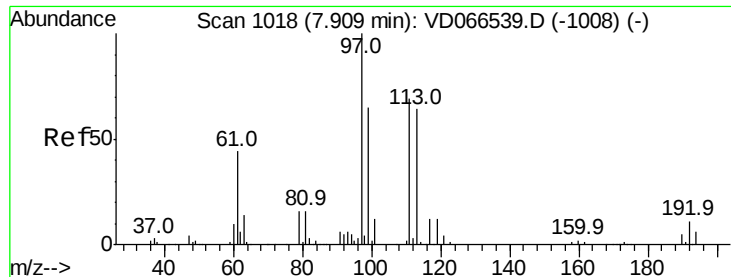
Lab File: VD066687.D

Acq: 14 Sep 2020 23:21

Tgt Ion: 114 Resp: 685027

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	43.2
88	15.6	0.0	33.2





#35

Dibromofluoromethane

Concen: 51.153 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066687.D

Acq: 14 Sep 2020 23:21

Instrument :
MSVOA_D
ClientSampled :

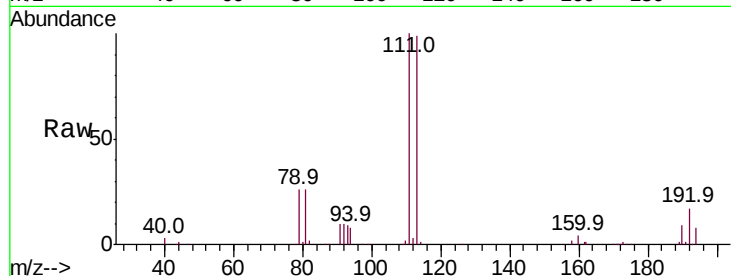
Tot Ion:113 Resp: 236393

Ion Ratio Lower Upper

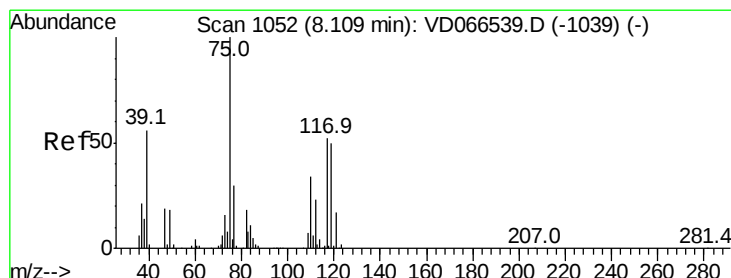
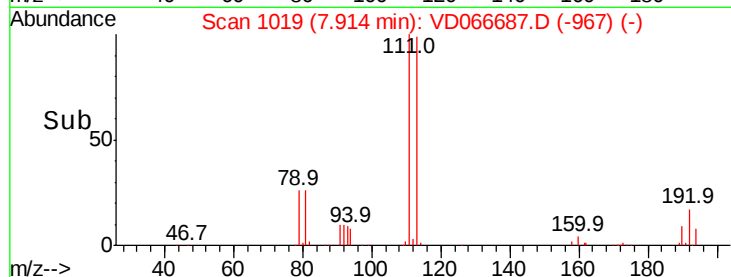
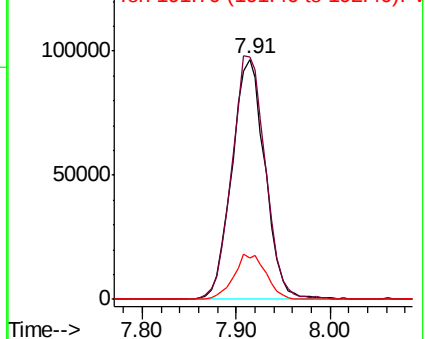
113 100

111 102.7 83.2 124.8

192 18.0 13.7 20.5



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: 4.795 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066687.D

Acq: 14 Sep 2020 23:21

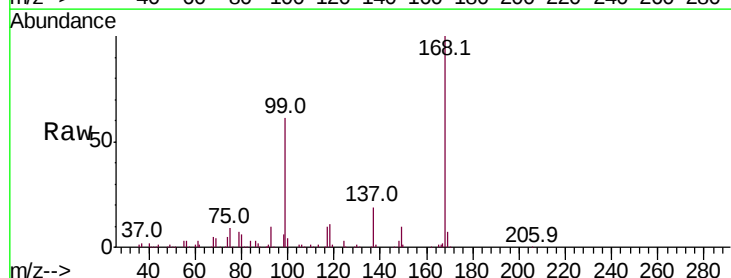
Tgt Ion: 75 Resp: 34186

Ion Ratio Lower Upper

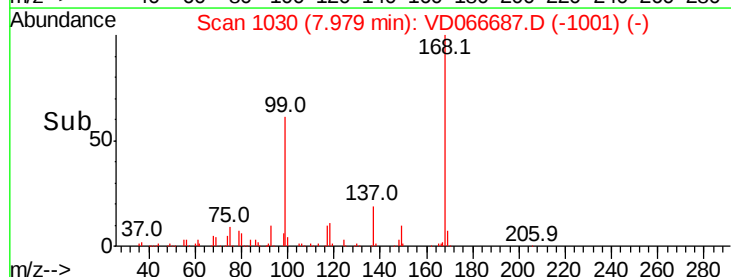
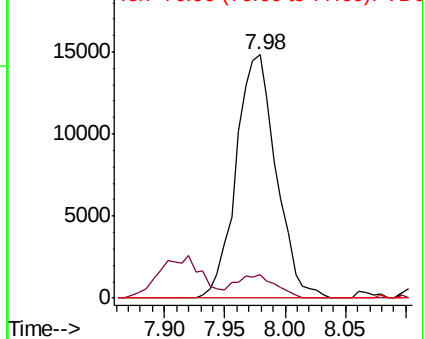
75 100

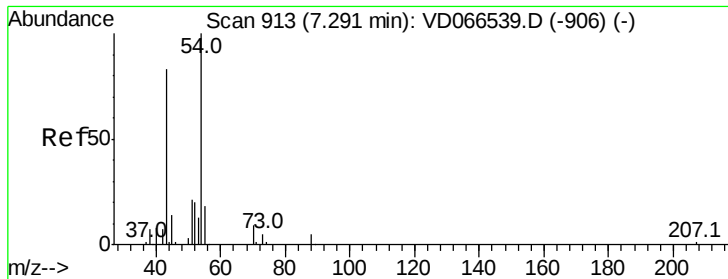
110 9.4 17.3 52.0#

77 0.0 25.1 37.7#



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





#37

Ethyl Acetate

Concen: 2.191 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.08 min

Lab File: VD066687.D

Acq: 14 Sep 2020 23:21

Instrument :

MSVOA_D

ClientSampleId :

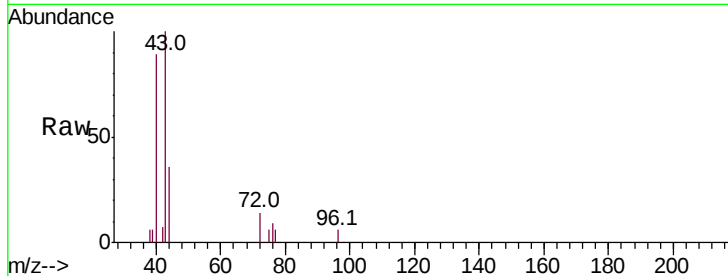
Tot Ion: 43 Resp: 6220

Ion Ratio Lower Upper

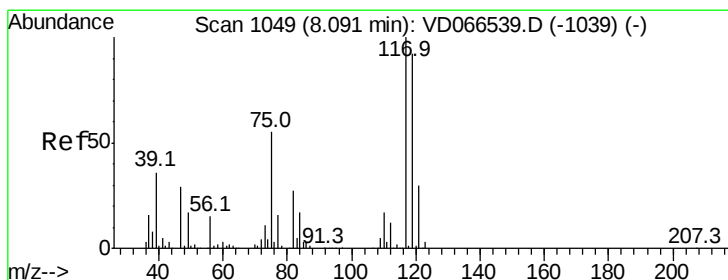
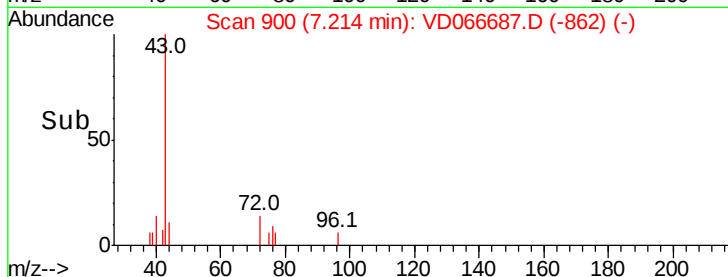
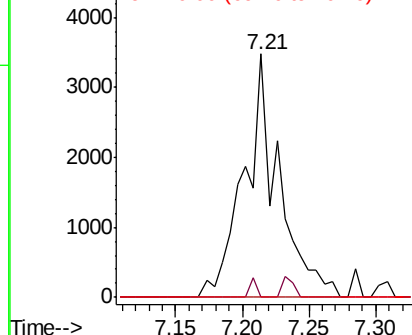
43 100

61 1.5 11.8 17.8#

70 0.0 7.9 11.9#



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: 5.794 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066687.D

Acq: 14 Sep 2020 23:21

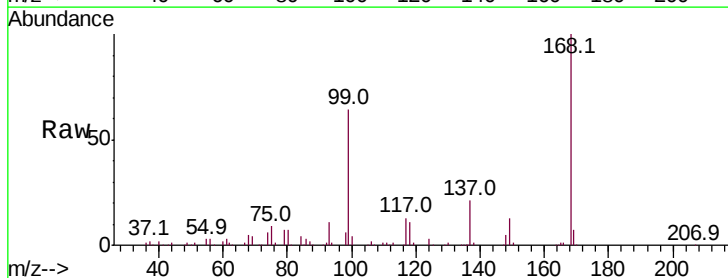
Tgt Ion: 117 Resp: 43661

Ion Ratio Lower Upper

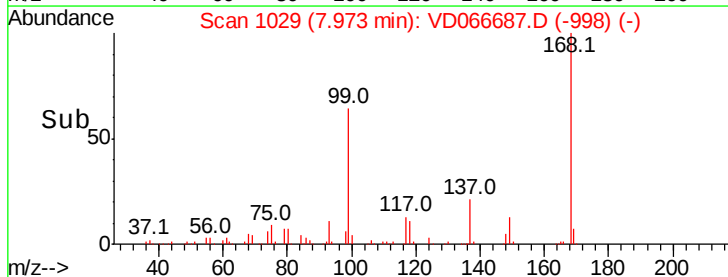
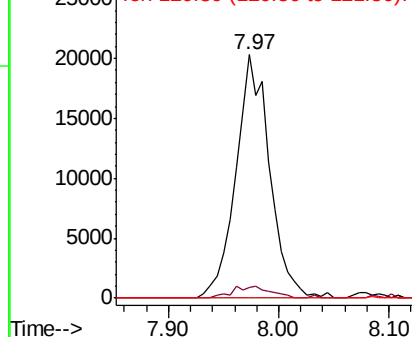
117 100

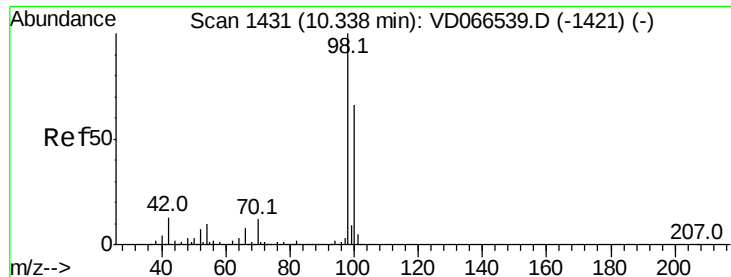
119 4.4 73.9 110.9#

121 0.0 24.1 36.1#



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

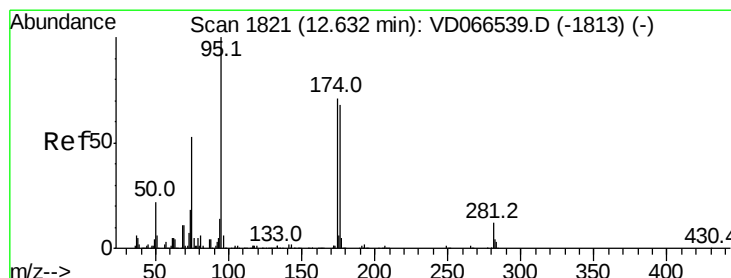
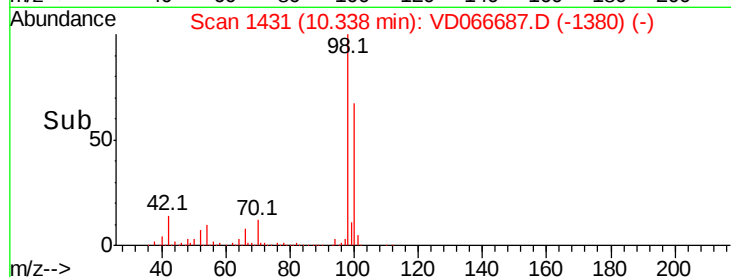
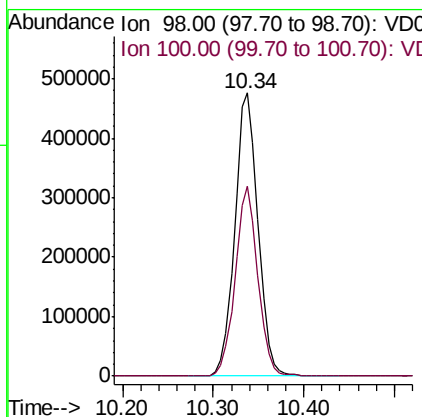
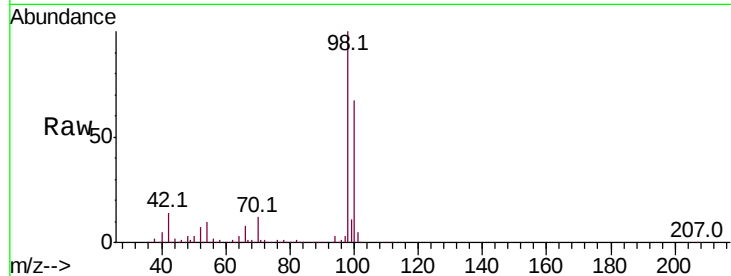




#50
Toluene-d8
Concen: 51.409 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066687.D
Acq: 14 Sep 2020 23:21

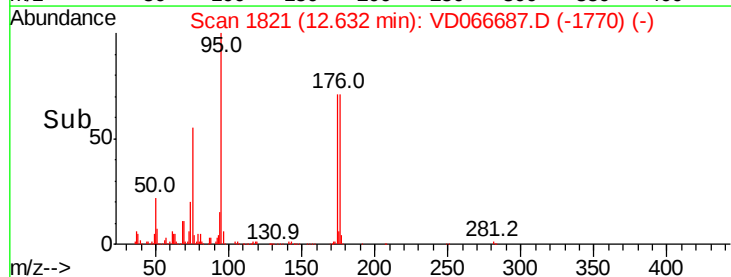
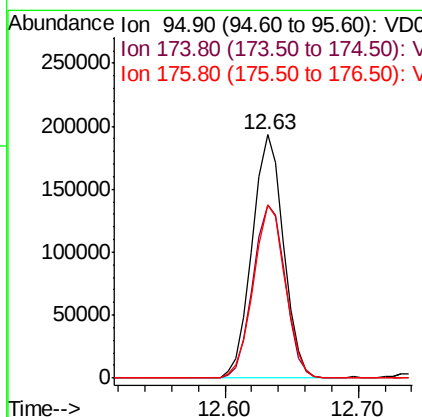
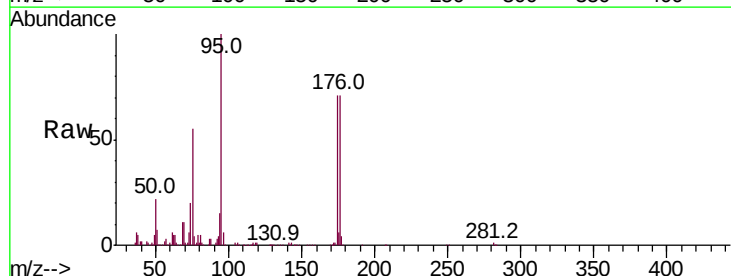
Instrument :
MSVOA_D
ClientSampleId :

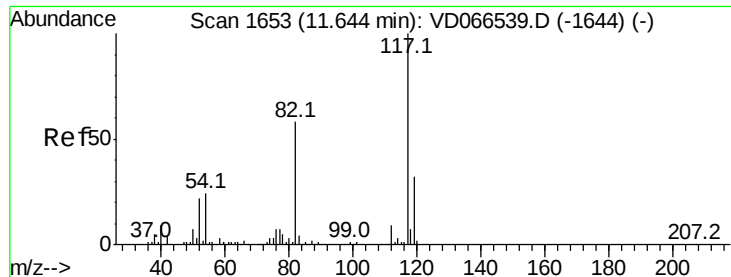
Tot Ion: 98 Resp: 849120
Ion Ratio Lower Upper
98 100
100 65.5 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 57.225 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066687.D
Acq: 14 Sep 2020 23:21

Tgt Ion: 95 Resp: 313414
Ion Ratio Lower Upper
95 100
174 73.2 0.0 155.8
176 72.3 0.0 148.6

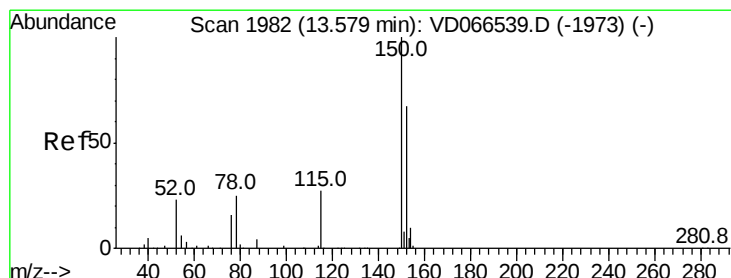
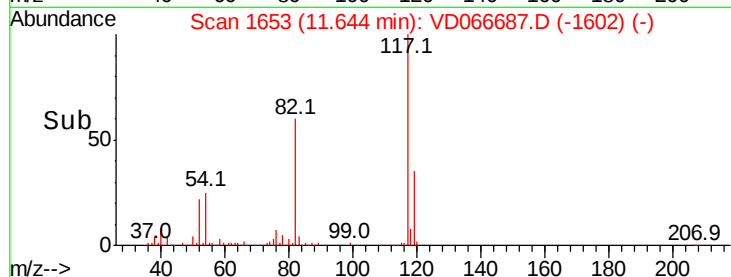
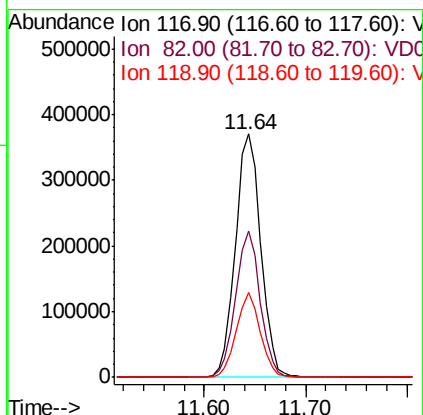
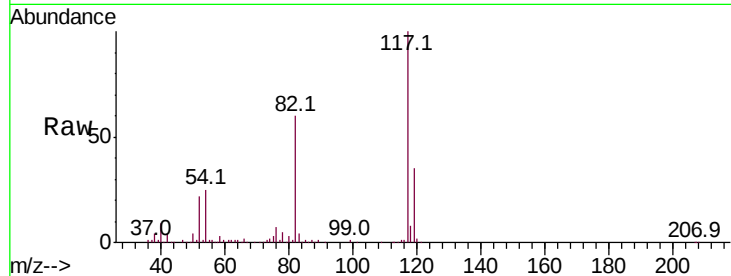




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066687.D
Acq: 14 Sep 2020 23:21

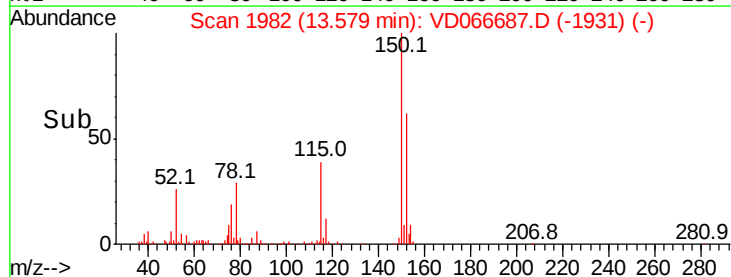
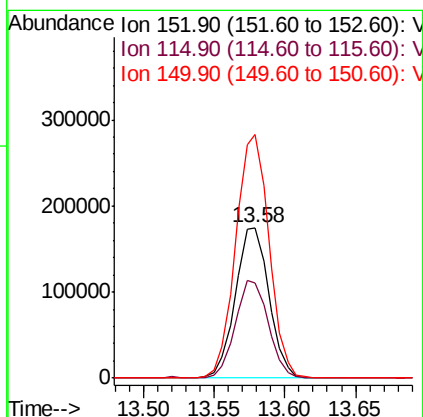
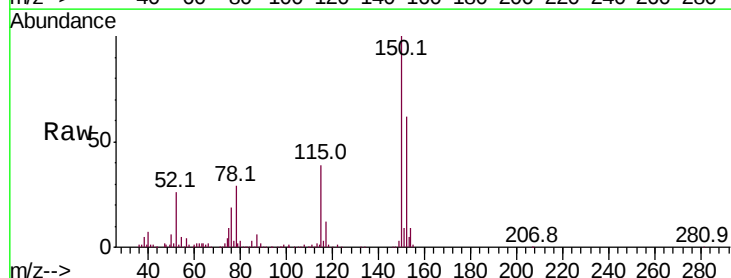
Instrument :
MSVOA_D
ClientSampleId :

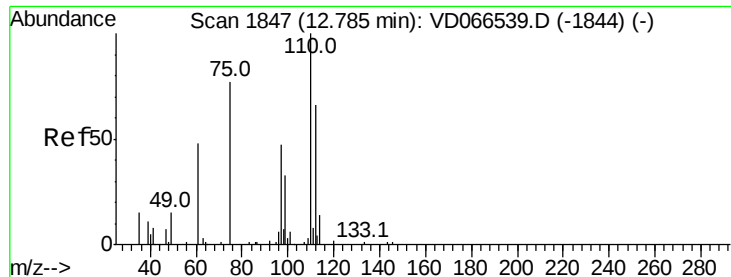
Tot Ion:117 Resp: 645816
Ion Ratio Lower Upper
117 100
82 60.0 46.2 69.2
119 34.8 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066687.D
Acq: 14 Sep 2020 23:21

Tgt Ion:152 Resp: 290445
Ion Ratio Lower Upper
152 100
115 63.9 30.4 91.2
150 160.1 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 62.818 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066687.D

Acq: 14 Sep 2020 23:21

Instrument :

MSVOA_D

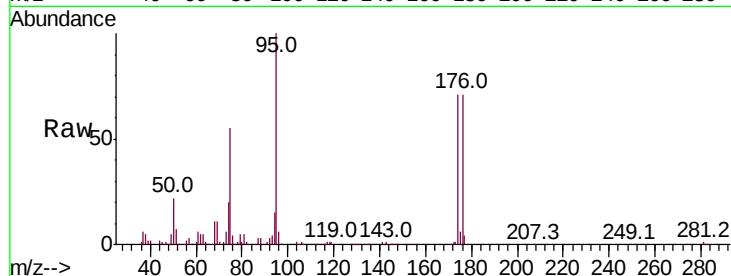
ClientSampleId :

Tot Ion: 75 Resp: 175470

Ion Ratio Lower Upper

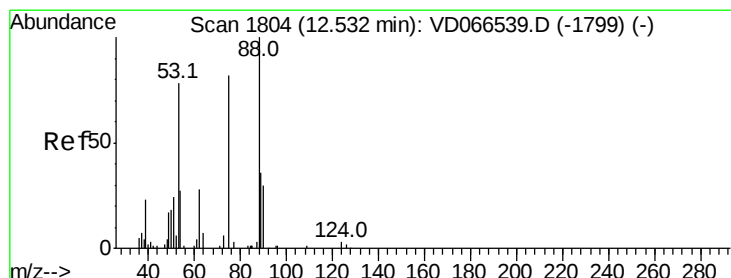
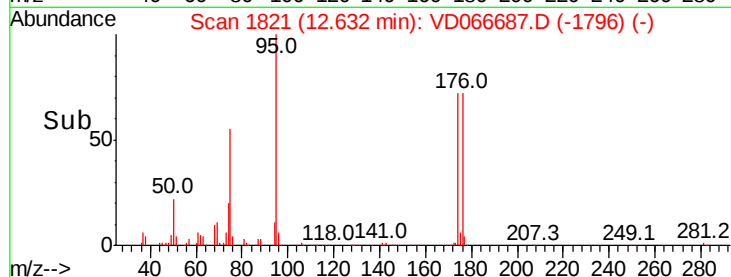
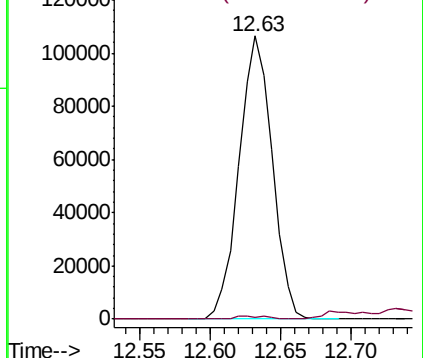
75 100

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: 146.658 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066687.D

Acq: 14 Sep 2020 23:21

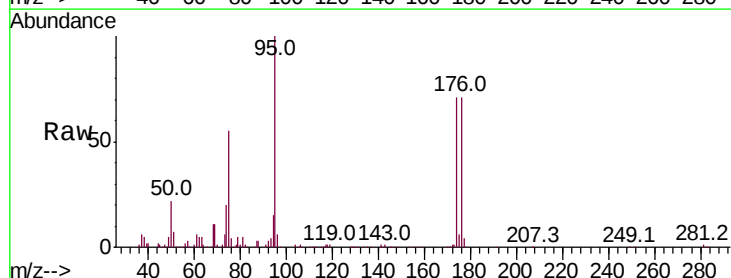
Tgt Ion: 75 Resp: 175470

Ion Ratio Lower Upper

75 100

53 0.0 87.0 130.4#

89 0.0 37.1 55.7#



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

