

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD093020\
 Data File : VD066980.D
 Acq On : 30 Sep 2020 18:11
 Operator : VA/SY
 Sample : L4193-02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-12(9-11)

Quant Time: Oct 01 00:57:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	495007	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	821941	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	803124	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	390518	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	237399	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
35) Dibromofluoromethane	7.91	113	256563	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
50) Toluene-d8	10.34	98	964307	54.12	ug/l	0.00
Spiked Amount			Recovery	=	108.24%	
62) 4-Bromofluorobenzene	12.63	95	344998	56.56	ug/l	0.00
Spiked Amount			Recovery	=	113.12%	

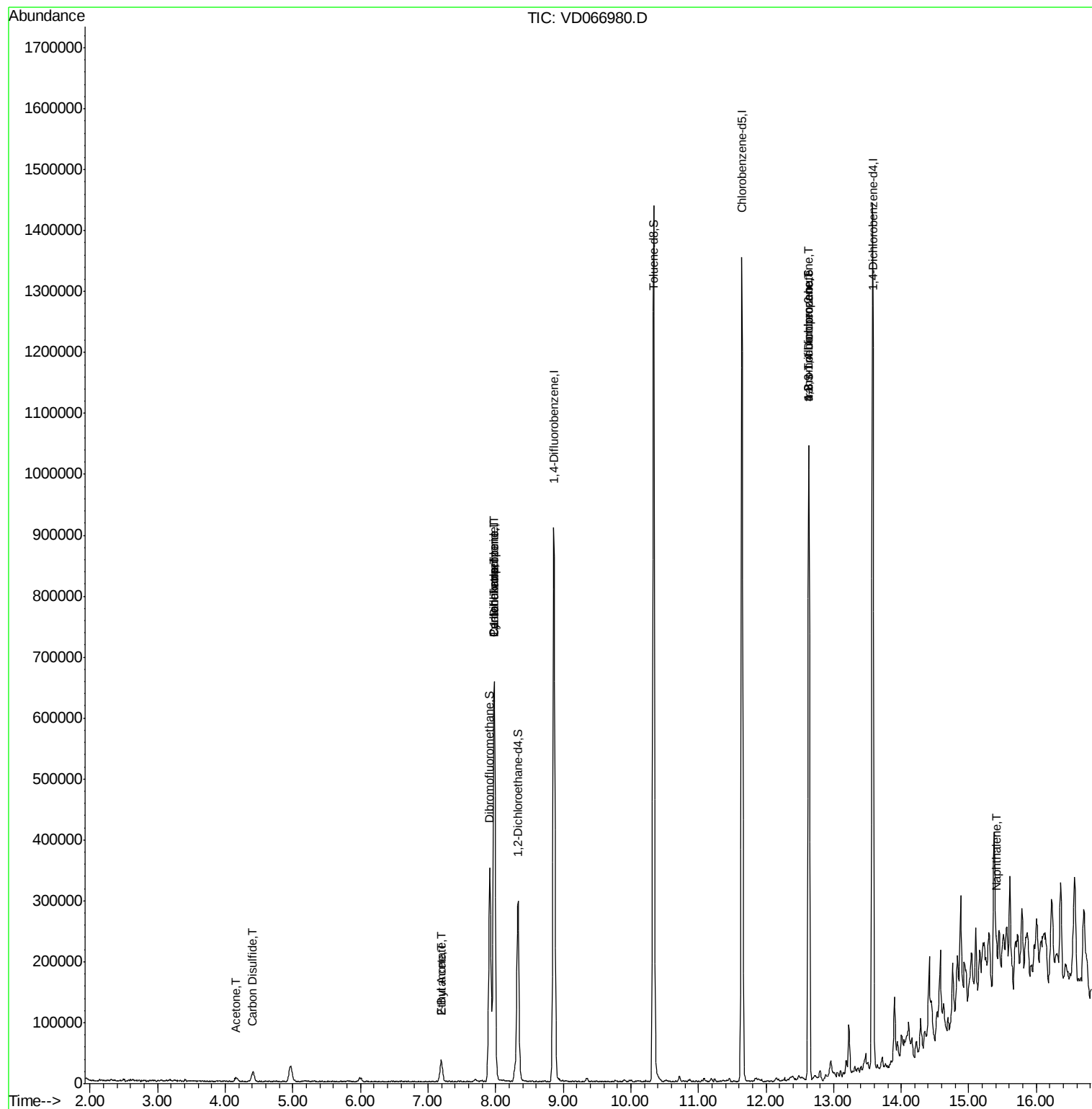
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	464	Below Cal	#	46
11) Tert butyl alcohol	5.19	59	1017	Below Cal	#	72
16) Acetone	4.16	43	12702	12.359	ug/l #	80
17) Carbon Disulfide	4.41	76	35057	2.366	ug/l	97
18) Methyl Acetate	4.94	43	322	Below Cal	#	50
20) Methylene Chloride	4.97	84	21257	Below Cal	#	87
25) 2-Butanone	7.20	43	4152	3.362	ug/l	96
31) Cyclohexane	7.98	56	11309	1.284	ug/l #	31
36) 1,1-Dichloropropene	7.98	75	38570	4.730	ug/l #	51
37) Ethyl Acetate	7.20	43	4152	1.408	ug/l #	62
38) Carbon Tetrachloride	7.97	117	51840	5.815	ug/l #	16
76) 1,2,3-Trichloropropane	12.63	75	176435	54.517	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	176435	136.398	ug/l #	10
95) Naphthalene	15.41	128	47604	3.994	ug/l #	91

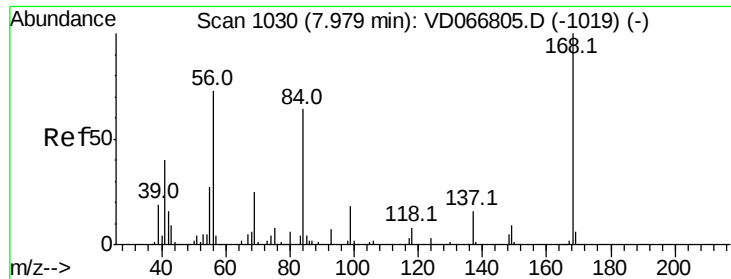
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD093020\
Data File : VD066980.D
Acq On : 30 Sep 2020 18:11
Operator : VA/SY
Sample : L4193-02
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
B-12(9-11)

Quant Time: Oct 01 00:57:12 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 23 01:34:05 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: VD066980.D

Acq: 30 Sep 2020 18:11

Instrument :

MSVOA_D

ClientSampleId :

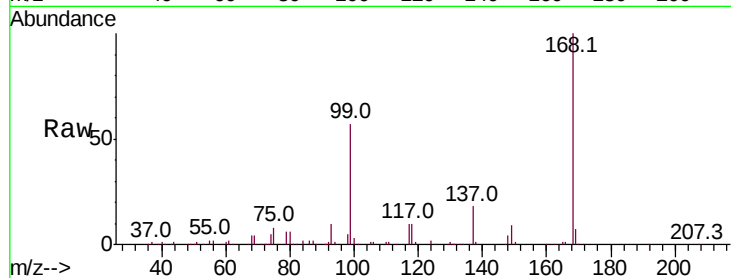
B-12(9-11)

Tot Ion:168 Resp: 495007

Ion Ratio Lower Upper

168 100

99 56.9 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

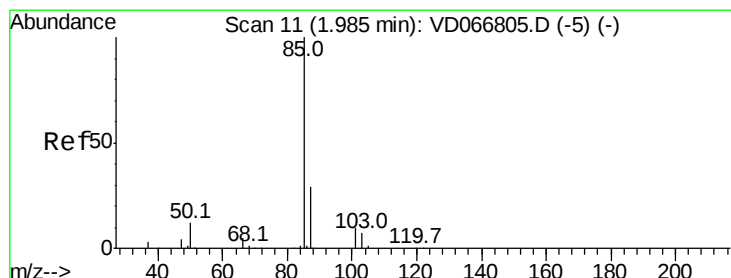
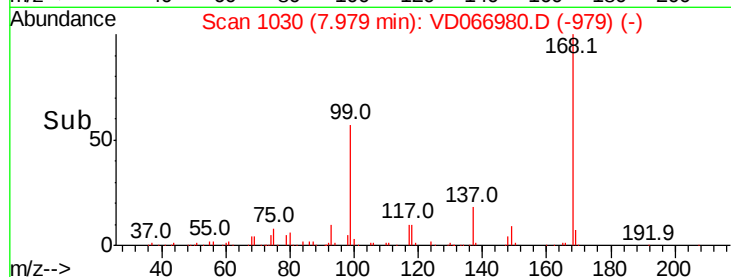
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066980.D

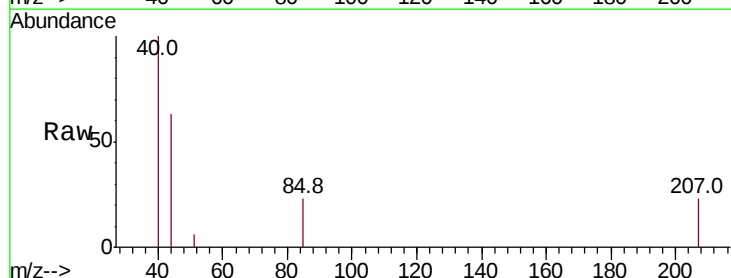
Acq: 30 Sep 2020 18:11

Tgt Ion: 85 Resp: 464

Ion Ratio Lower Upper

85 100

87 0.0 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

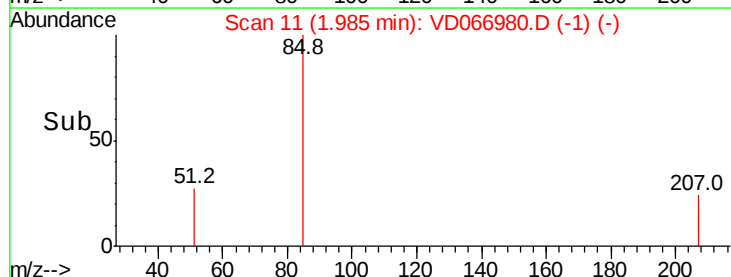
600

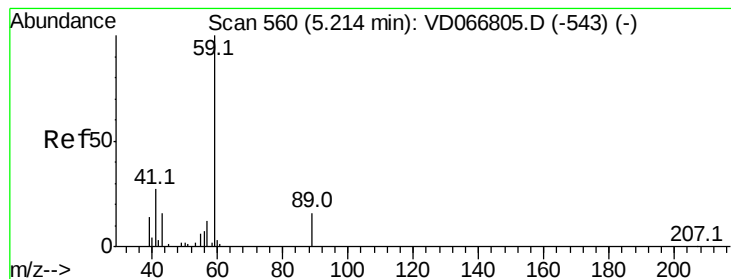
400

200

0

Time-->



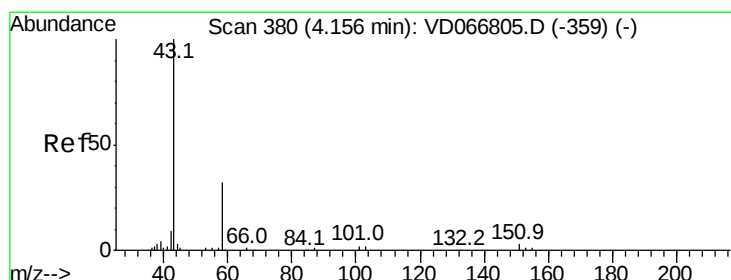
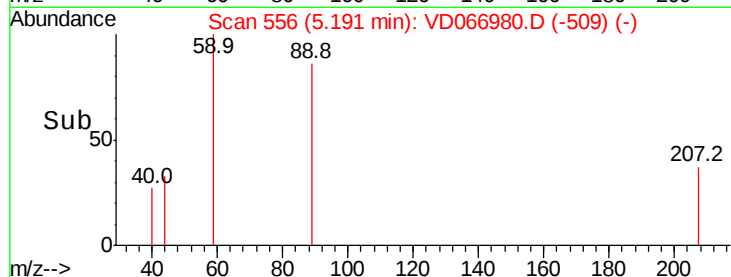
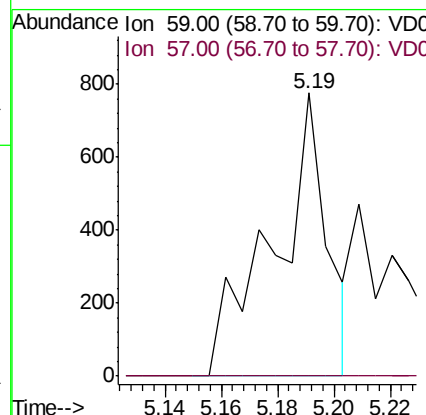
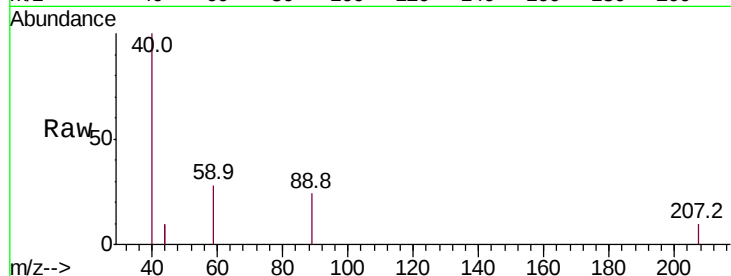


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.19 min Scan# 556
 Delta R.T. -0.02 min
 Lab File: VD066980.D
 Acq: 30 Sep 2020 18:11

Instrument :
 MSVOA_D
 ClientSampleId :
 B-12(9-11)

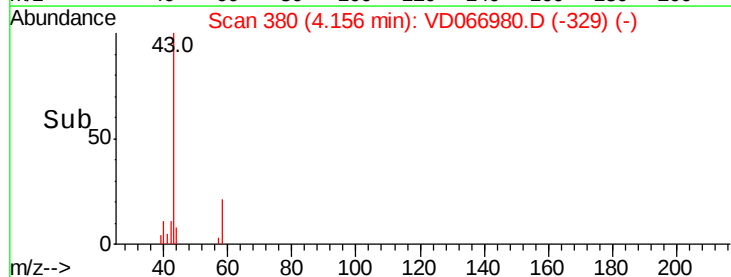
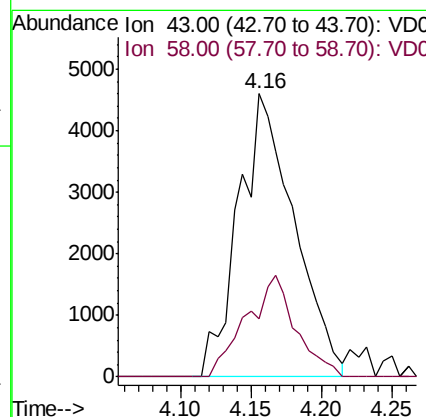
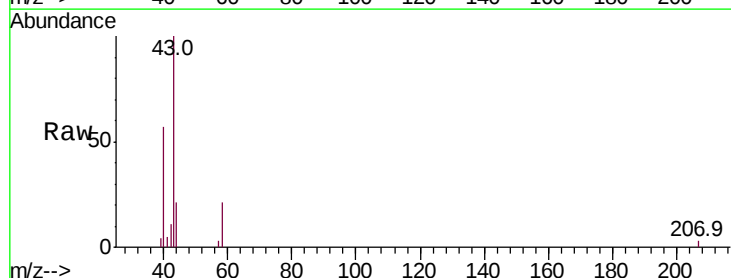
Tot Ion: 59 Resp: 1017
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

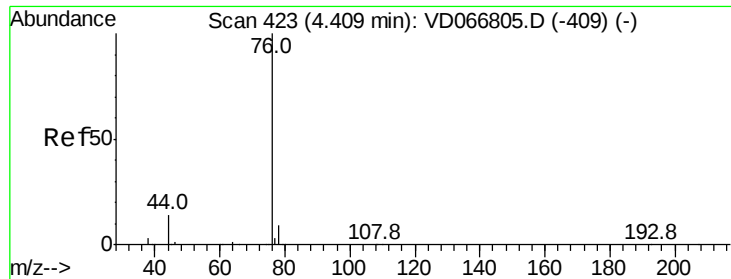


#16

Acetone
 Concen: 12.359 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VD066980.D
 Acq: 30 Sep 2020 18:11

Tgt Ion: 43 Resp: 12702
 Ion Ratio Lower Upper
 43 100
 58 20.7 25.6 38.4#

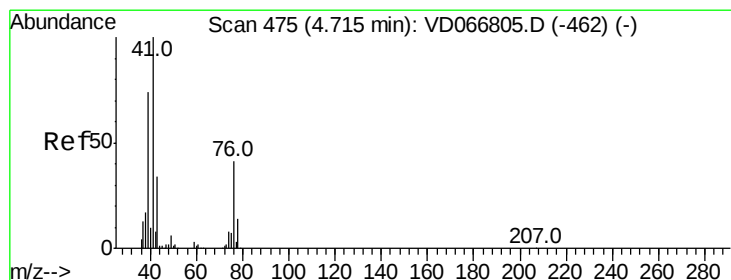
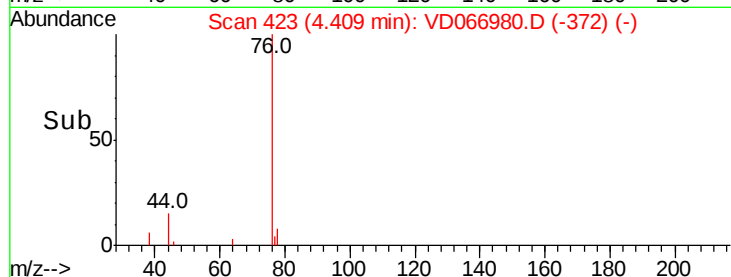
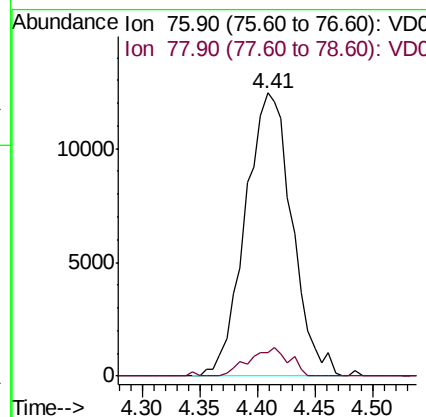
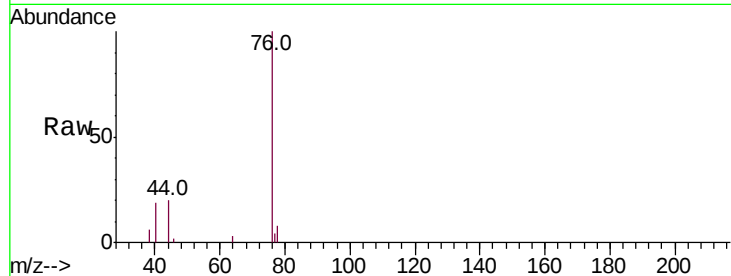




#17
Carbon Disulfide
Concen: 2.366 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD066980.D
Acq: 30 Sep 2020 18:11

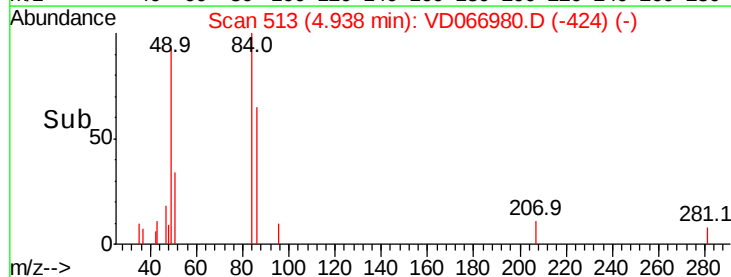
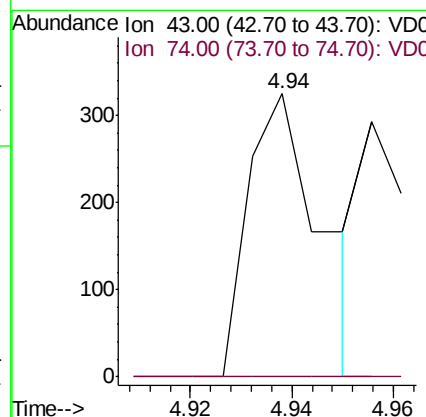
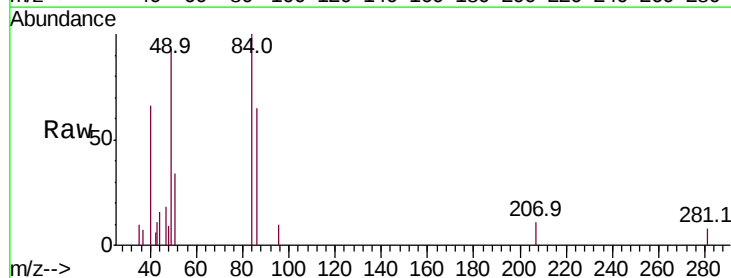
Instrument :
MSVOA_D
ClientSampleId :
B-12(9-11)

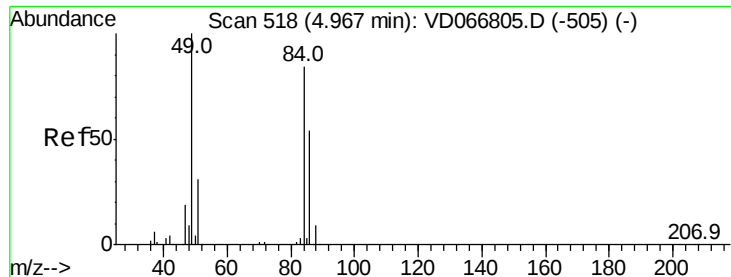
Tot Ion: 76 Resp: 35057
Ion Ratio Lower Upper
76 100
78 8.3 7.6 11.4



#18
Methyl Acetate
Concen: Below Cal
RT: 4.94 min Scan# 513
Delta R.T. 0.22 min
Lab File: VD066980.D
Acq: 30 Sep 2020 18:11

Tgt Ion: 43 Resp: 322
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#

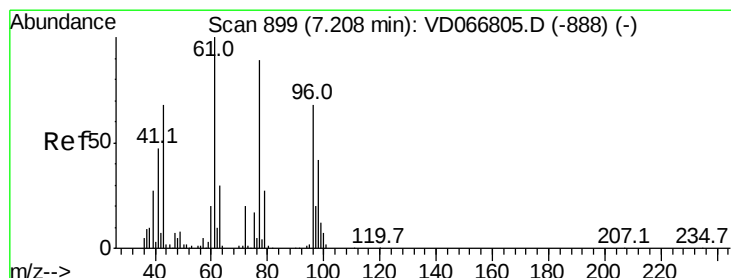
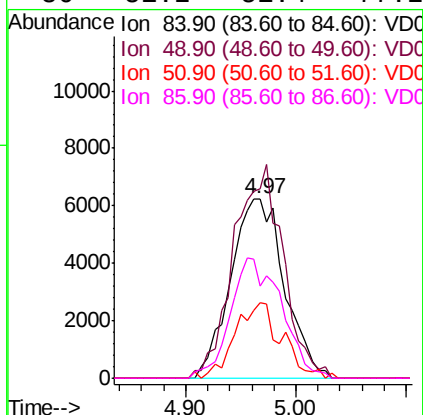
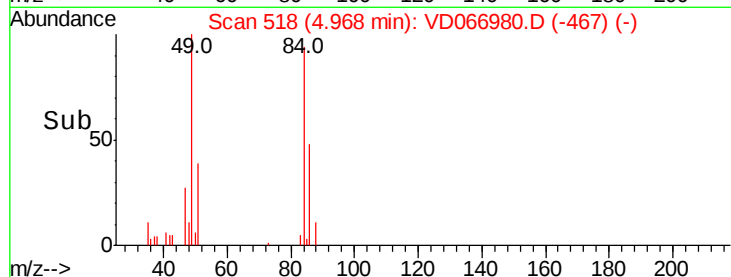
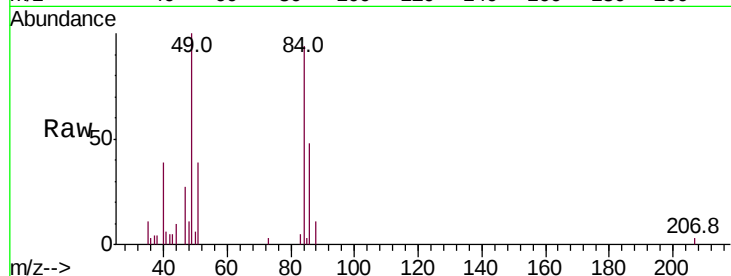




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066980.D
Acq: 30 Sep 2020 18:11

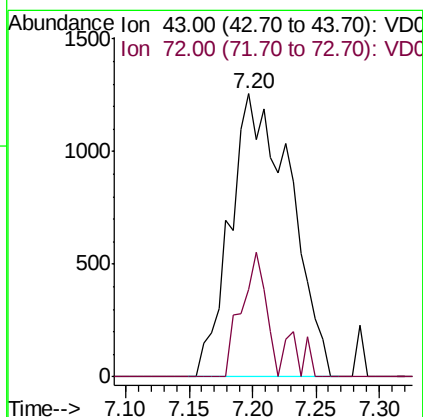
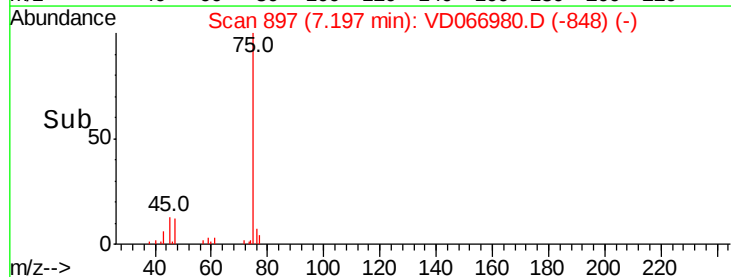
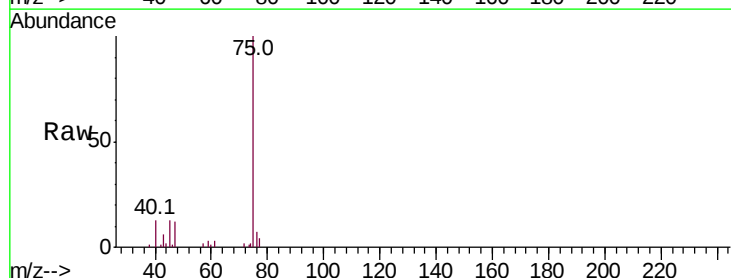
Instrument :
MSVOA_D
ClientSampled :
B-12(9-11)

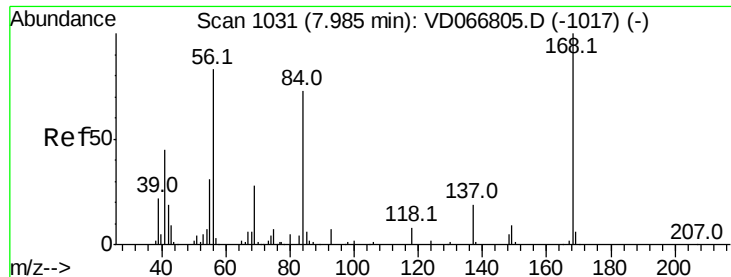
Tot Ion: 84 Resp: 21257
Ion Ratio Lower Upper
84 100
49 106.0 95.4 143.2
51 41.8 29.7 44.5
86 51.2 51.4 77.2#



#25
2-Butanone
Concen: 3.362 ug/l
RT: 7.20 min Scan# 897
Delta R.T. -0.01 min
Lab File: VD066980.D
Acq: 30 Sep 2020 18:11

Tgt Ion: 43 Resp: 4152
Ion Ratio Lower Upper
43 100
72 30.9 22.9 34.3

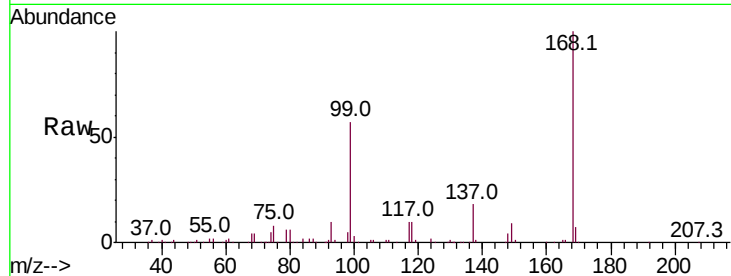




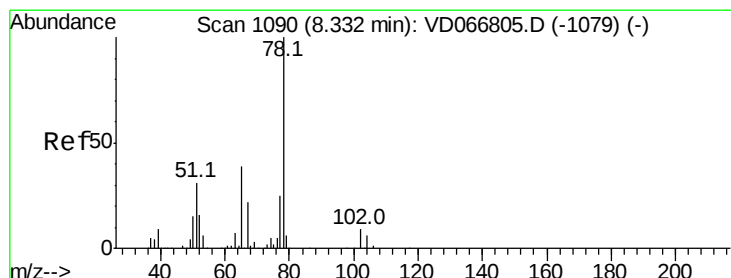
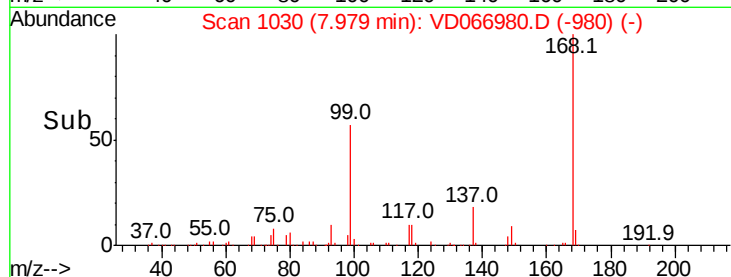
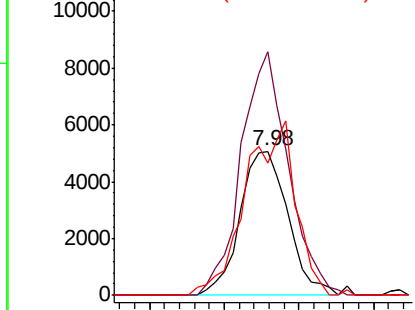
#31
Cyclohexane
Concen: 1.284 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066980.D
Acq: 30 Sep 2020 18:11

Instrument :
MSVOA_D
ClientSampleId :
B-12(9-11)

Tot Ion: 56 Resp: 11309
Ion Ratio Lower Upper
56 100
69 169.1 27.0 40.4#
84 91.7 70.2 105.4

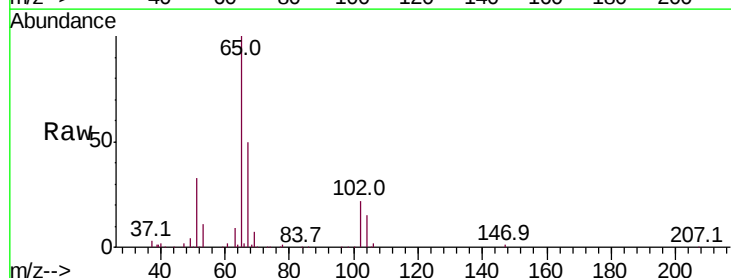


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

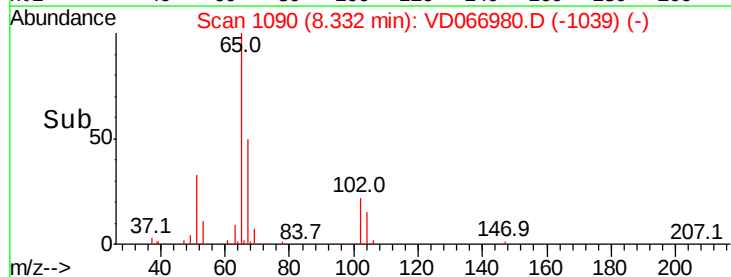
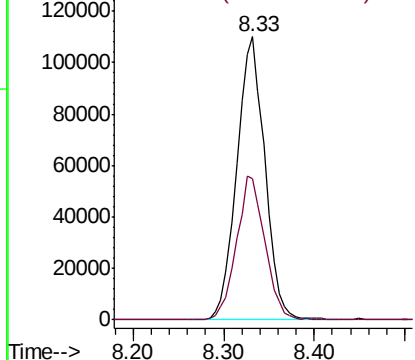


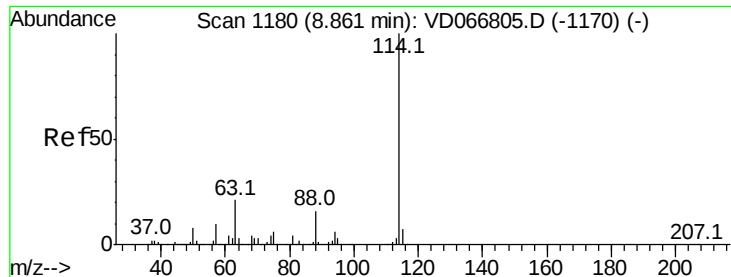
#33
1,2-Dichloroethane-d4
Concen: 48.999 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD066980.D
Acq: 30 Sep 2020 18:11

Tgt Ion: 65 Resp: 237399
Ion Ratio Lower Upper
65 100
67 51.3 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

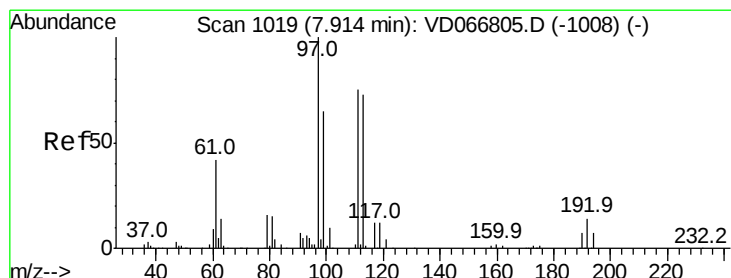
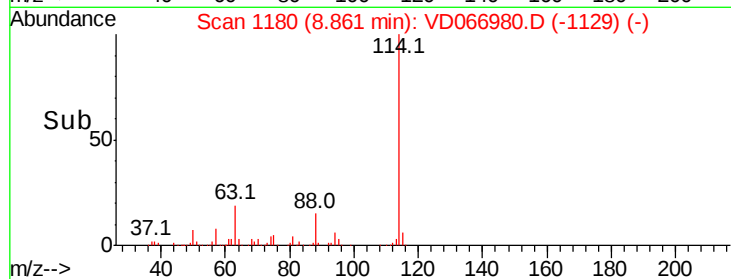
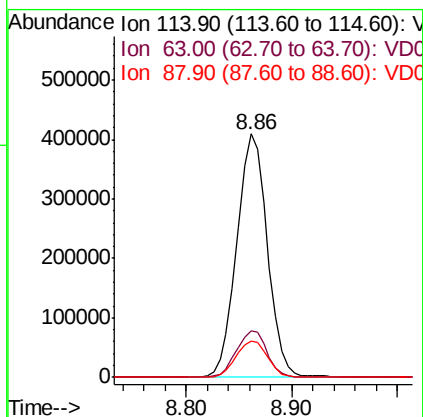
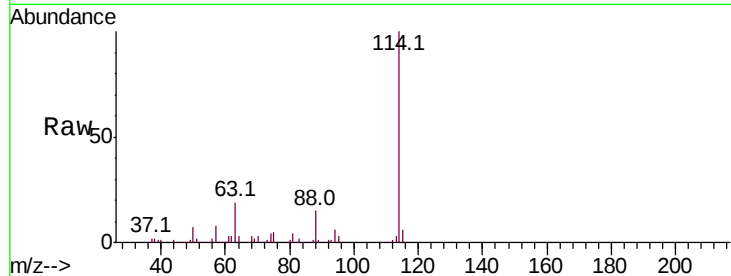




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066980.D
 Acq: 30 Sep 2020 18:11

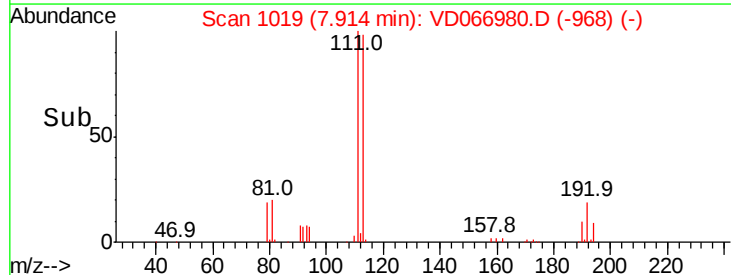
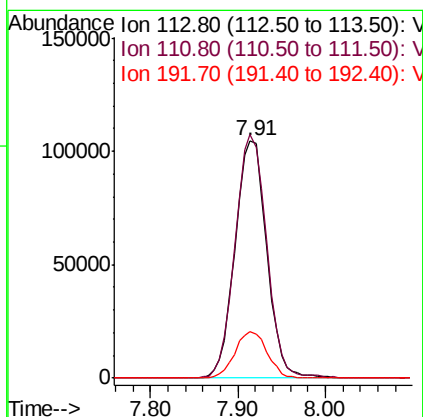
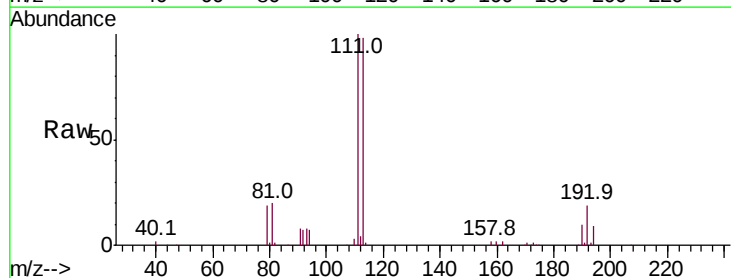
Instrument :
 MSVOA_D
 ClientSampleId :
 B-12(9-11)

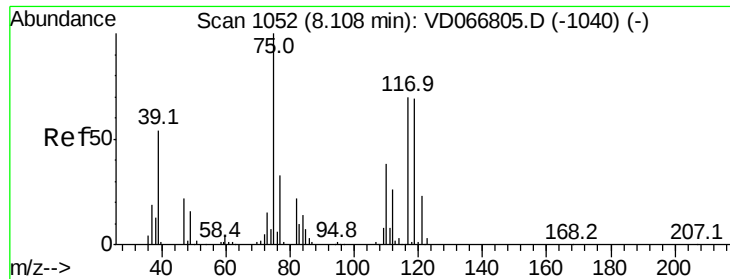
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	42.6
88	15.0	0.0	32.6



#35
 Dibromofluoromethane
 Concen: 49.064 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD066980.D
 Acq: 30 Sep 2020 18:11

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.8
192	19.7	14.4	21.6

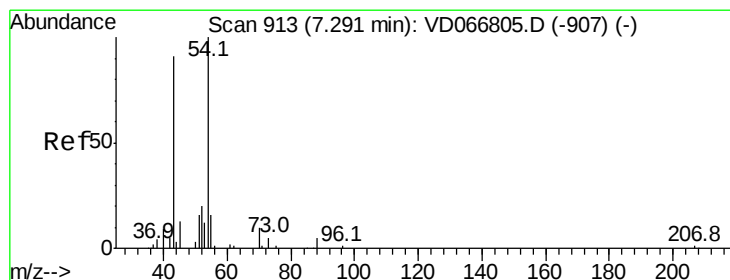
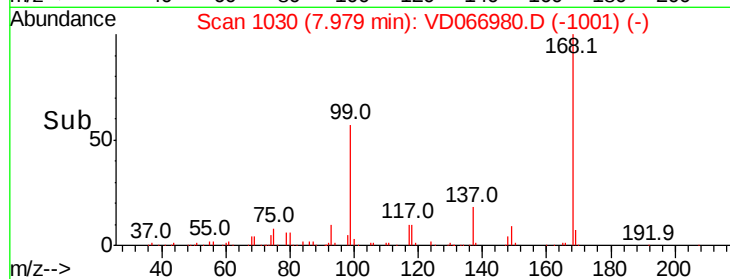
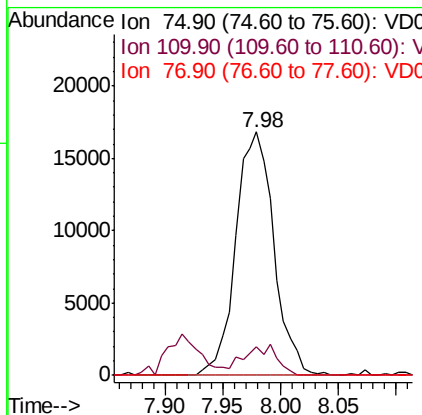
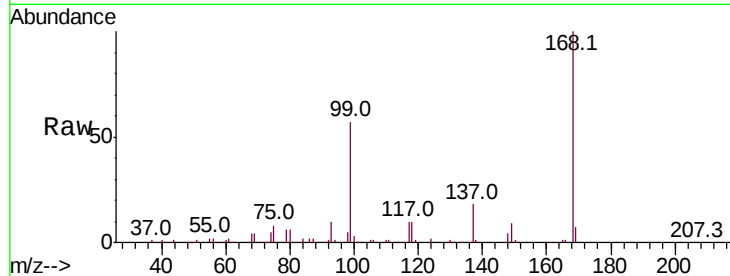




#36
 1,1-Dichloropropene
 Concen: 4.730 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066980.D
 Acq: 30 Sep 2020 18:11

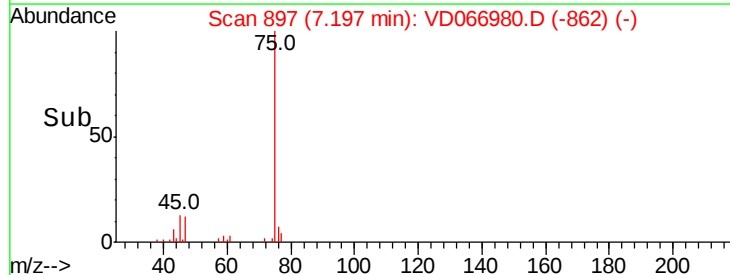
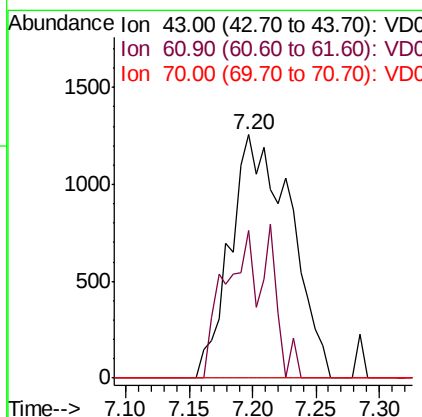
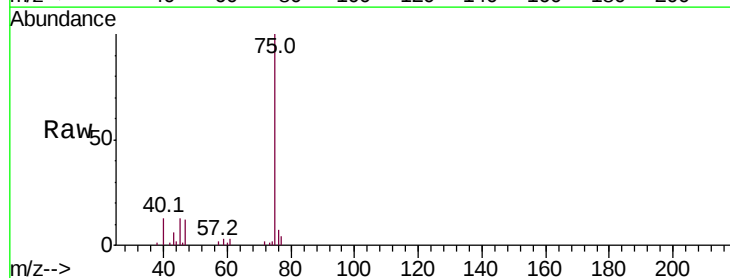
Instrument :
 MSVOA_D
 ClientSampleId :
 B-12(9-11)

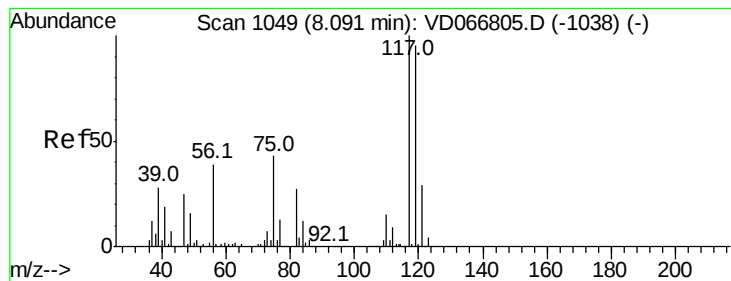
Tot Ion: 75 Resp: 38570
 Ion Ratio Lower Upper
 75 100
 110 10.5 17.9 53.8#
 77 0.0 25.0 37.6#



#37
 Ethyl Acetate
 Concen: 1.408 ug/l
 RT: 7.20 min Scan# 897
 Delta R.T. -0.09 min
 Lab File: VD066980.D
 Acq: 30 Sep 2020 18:11

Tgt Ion: 43 Resp: 4152
 Ion Ratio Lower Upper
 43 100
 61 30.1 9.8 14.8#
 70 0.0 8.5 12.7#





#38

Carbon Tetrachloride

Concen: 5.815 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066980.D

Acq: 30 Sep 2020 18:11

Instrument :

MSVOA_D

ClientSampleId :

B-12(9-11)

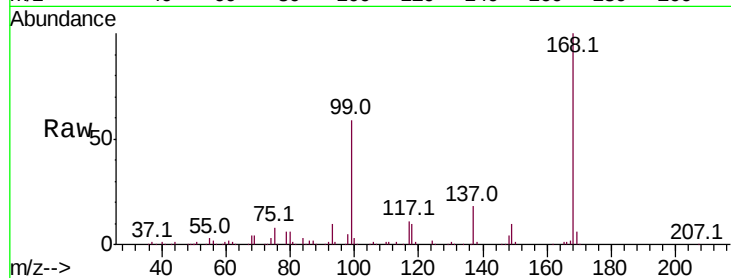
Tot Ion:117 Resp: 51840

Ion Ratio Lower Upper

117 100

119 4.5 75.8 113.8#

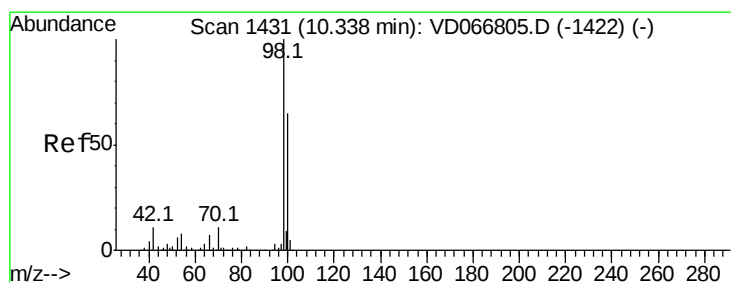
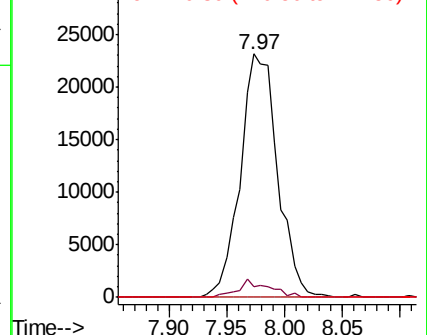
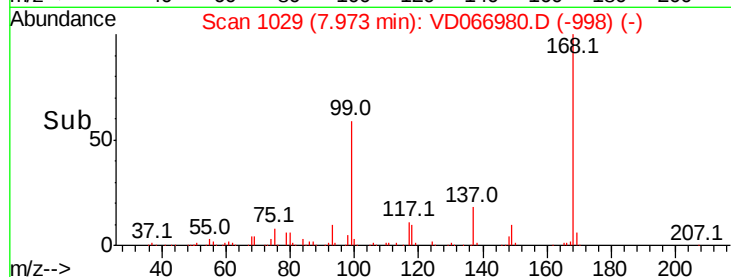
121 0.0 23.4 35.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 54.124 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066980.D

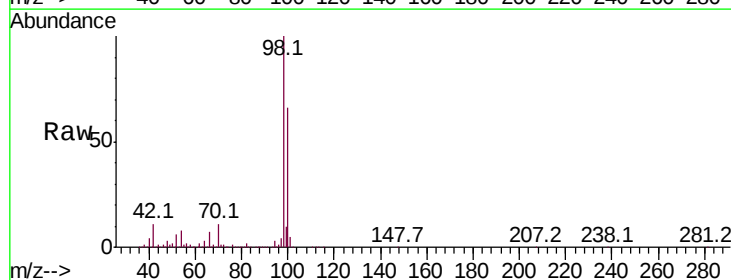
Acq: 30 Sep 2020 18:11

Tgt Ion: 98 Resp: 964307

Ion Ratio Lower Upper

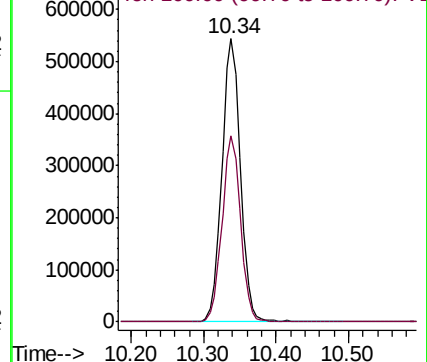
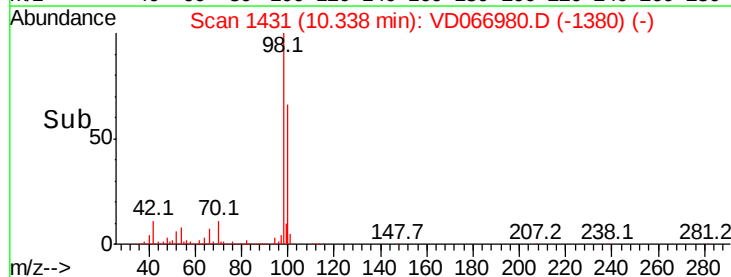
98 100

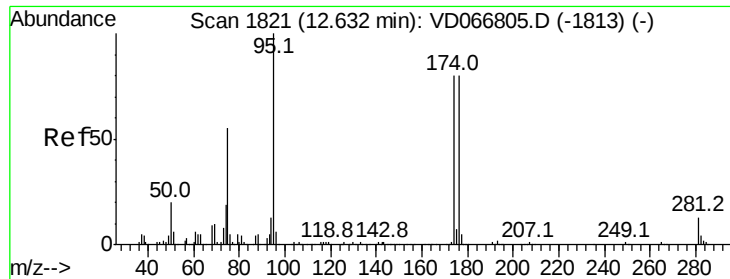
100 66.0 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

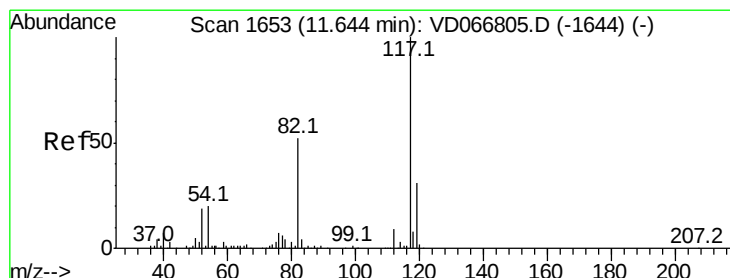
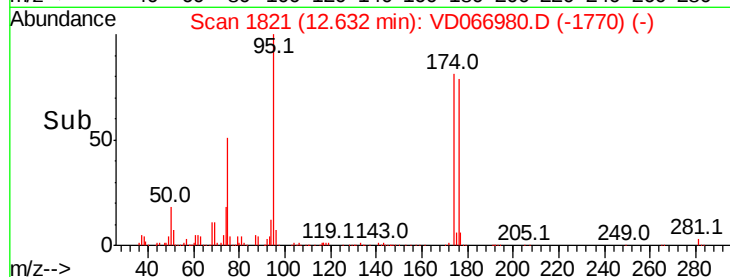
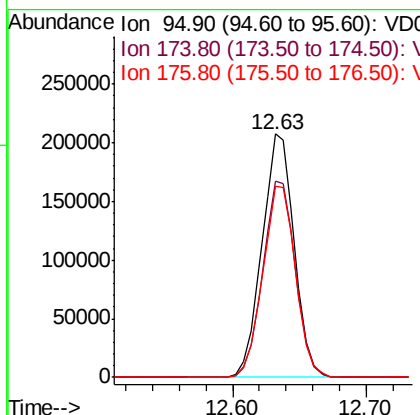
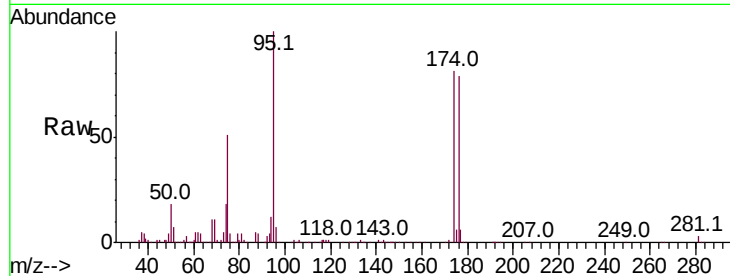




#62
4-Bromofluorobenzene
Concen: 56.564 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066980.D
Acq: 30 Sep 2020 18:11

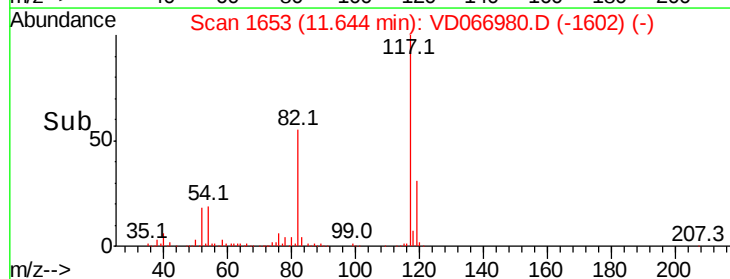
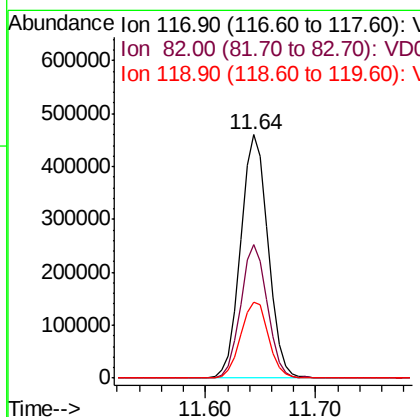
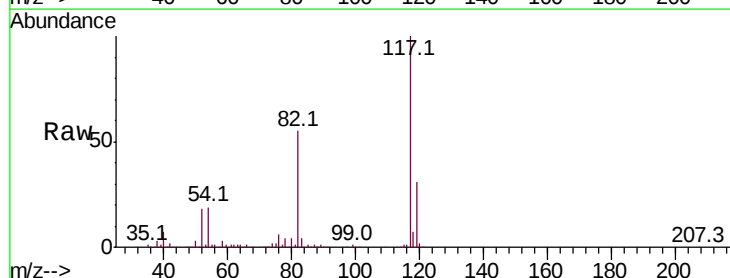
Instrument :
MSVOA_D
ClientSampled :
B-12(9-11)

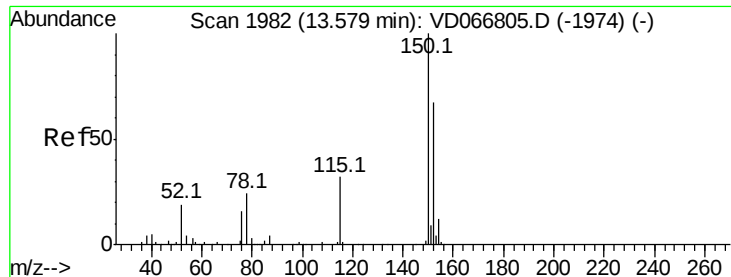
Tot Ion	95	Resp	344998
Ion Ratio	Lower	Upper	
95	100		
174	82.1	0.0	159.8
176	80.1	0.0	154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066980.D
Acq: 30 Sep 2020 18:11

Tgt Ion	117	Resp	803124
Ion Ratio	Lower	Upper	
117	100		
82	54.9	41.8	62.6
119	31.1	24.6	37.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066980.D

Acq: 30 Sep 2020 18:11

Instrument :

MSVOA_D

ClientSampleId :

B-12(9-11)

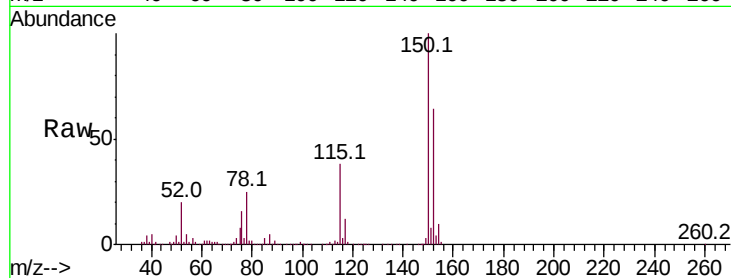
Tot Ion:152 Resp: 390518

Ion Ratio Lower Upper

152 100

115 58.6 30.3 91.0

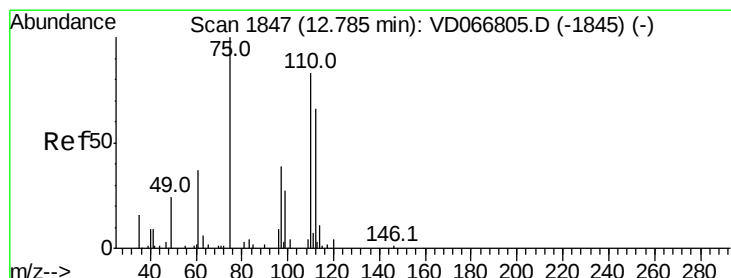
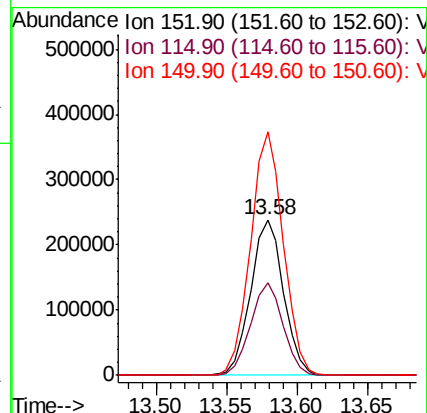
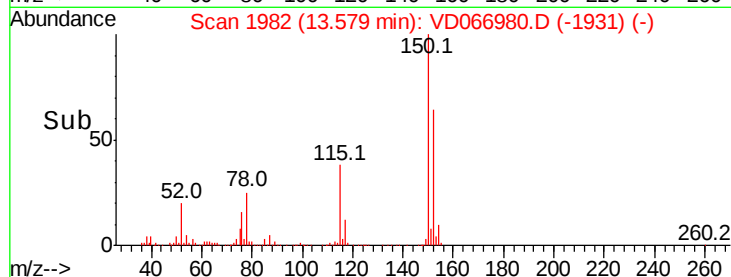
150 155.6 0.0 346.2



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: 54.517 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066980.D

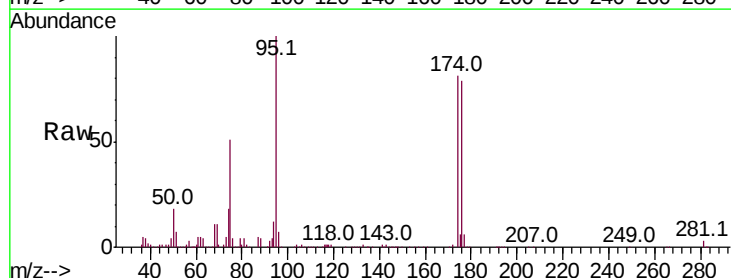
Acq: 30 Sep 2020 18:11

Tgt Ion: 75 Resp: 176435

Ion Ratio Lower Upper

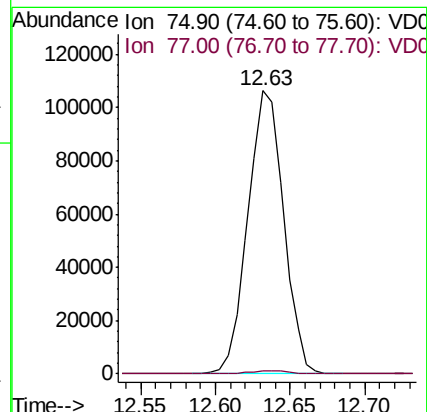
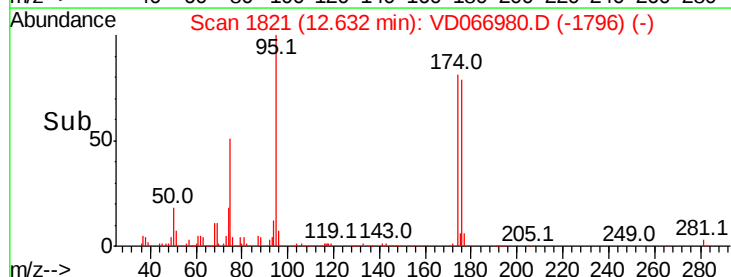
75 100

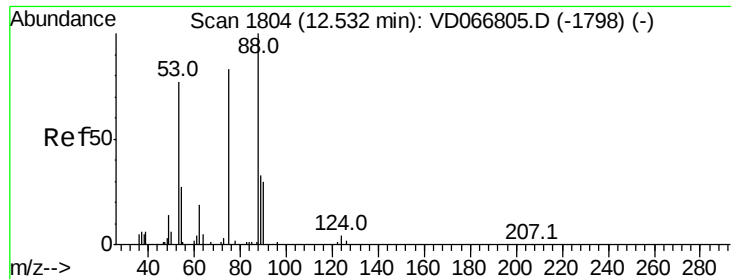
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 136.398 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066980.D

Acq: 30 Sep 2020 18:11

Instrument :

MSVOA_D

ClientSampleId :

B-12(9-11)

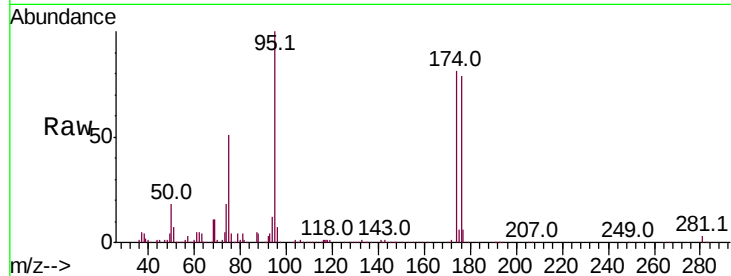
Tot Ion: 75 Resp: 176435

Ion Ratio Lower Upper

75 100

53 0.2 78.5 117.7#

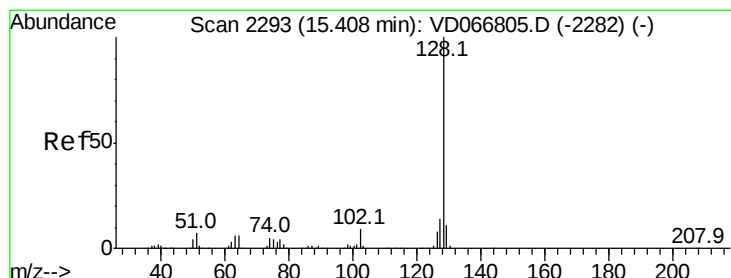
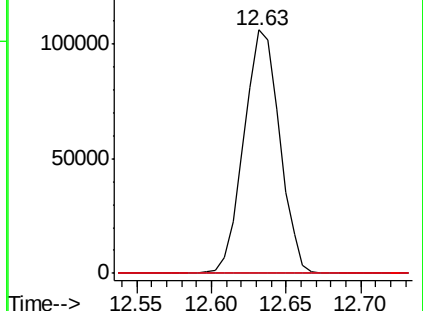
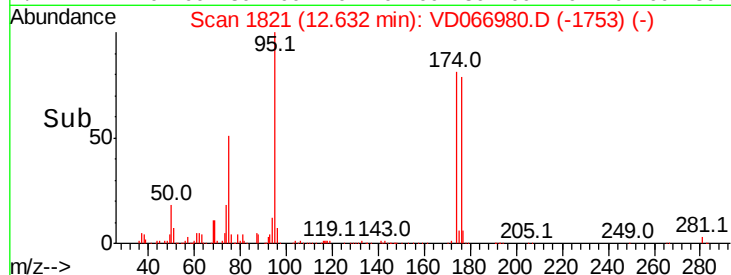
89 0.1 38.1 57.1#



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



#95

Naphthalene

Concen: 3.994 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066980.D

Acq: 30 Sep 2020 18:11

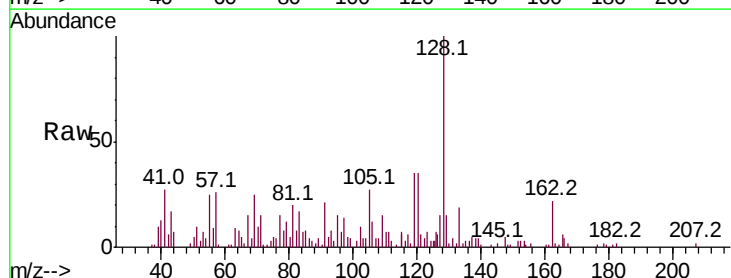
Tgt Ion: 128 Resp: 47604

Ion Ratio Lower Upper

128 100

127 19.4 10.6 16.0#

129 11.8 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

