

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD093020\
 Data File : VD066974.D
 Acq On : 30 Sep 2020 15:25
 Operator : VA/SY
 Sample : L4193-01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-12(3-4)

Quant Time: Oct 01 00:56:05 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	450986	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	743967	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	766384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	370228	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	212009	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	
35) Dibromofluoromethane	7.91	113	236008	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
50) Toluene-d8	10.34	98	892665	55.35	ug/l	0.00
Spiked Amount			Recovery	=	110.70%	
62) 4-Bromofluorobenzene	12.63	95	333966	60.49	ug/l	0.00
Spiked Amount			Recovery	=	120.98%	

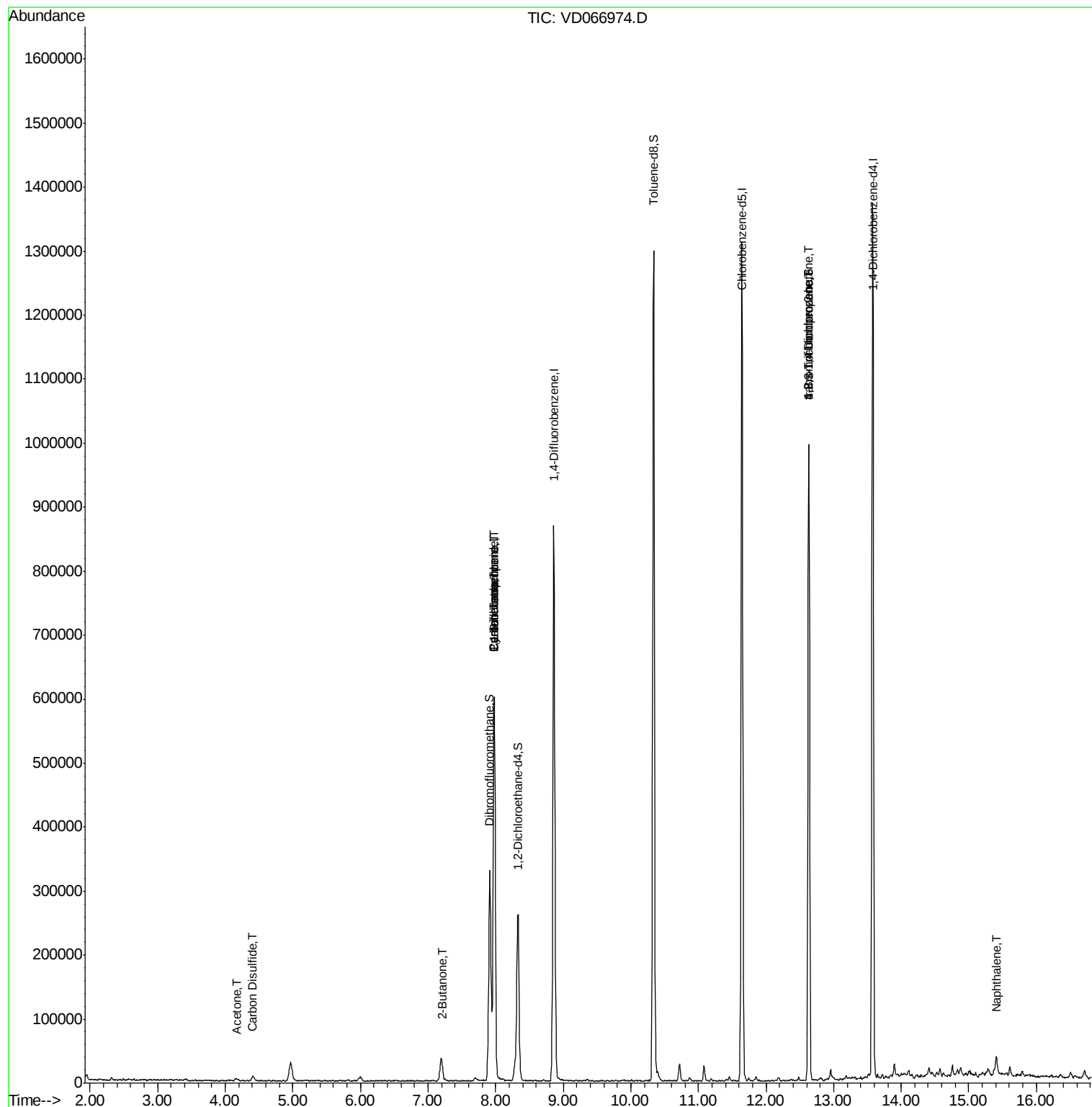
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	897	Below Cal	#	46
11) Tert butyl alcohol	5.19	59	560	Below Cal	#	72
16) Acetone	4.17	43	5951	6.355	ug/l	90
17) Carbon Disulfide	4.40	76	14099	1.044	ug/l #	92
18) Methyl Acetate	4.56	43	53	Below Cal	#	50
20) Methylene Chloride	4.96	84	23899	Below Cal	#	81
25) 2-Butanone	7.21	43	3122	2.774	ug/l #	80
31) Cyclohexane	7.97	56	9228	1.150	ug/l #	1
36) 1,1-Dichloropropene	7.97	75	35777	4.847	ug/l #	50
38) Carbon Tetrachloride	7.98	117	46324	5.741	ug/l #	16
49) 1,4-Dioxane	9.46	88	66	Below Cal	#	23
76) 1,2,3-Trichloropropane	12.63	75	166622	54.307	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	166622	135.871	ug/l #	10
95) Naphthalene	15.41	128	26948	2.385	ug/l	98

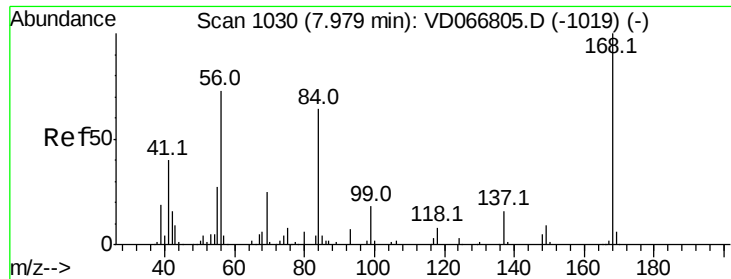
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD093020\
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Quant Time: Oct 01 00:56:05 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: VD066974.D

Acq: 30 Sep 2020 15:25

Instrument :

MSVOA_D

ClientSampleId :

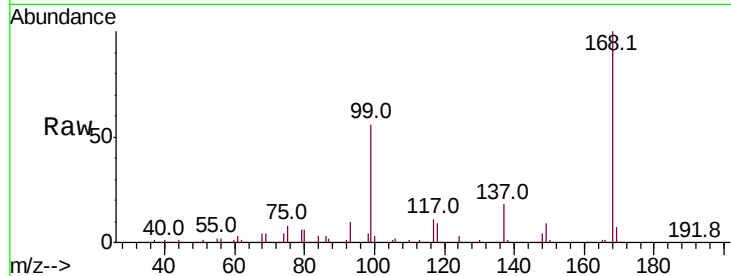
B-12(3-4)

Tot Ion:168 Resp: 450986

Ion Ratio Lower Upper

168 100

99 56.1 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

200000

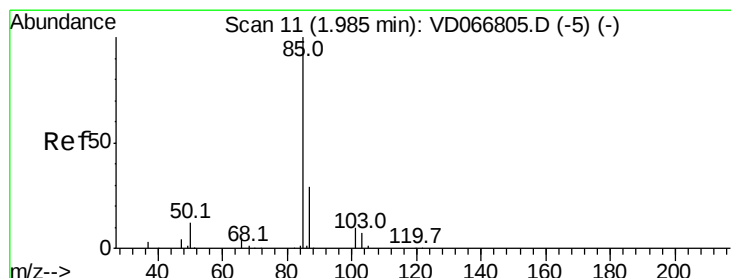
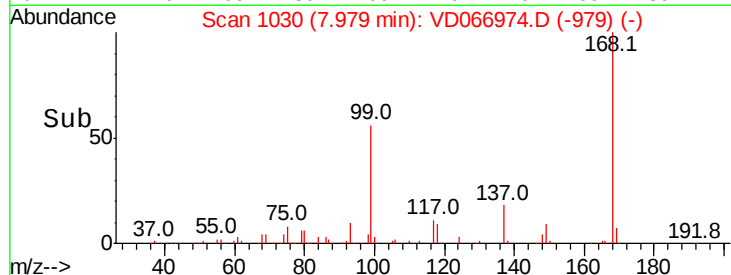
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066974.D

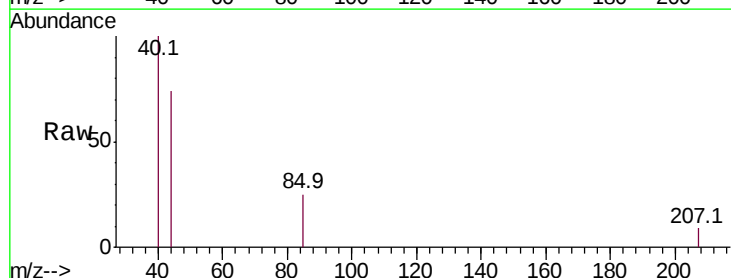
Acq: 30 Sep 2020 15:25

Tgt Ion: 85 Resp: 897

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

800

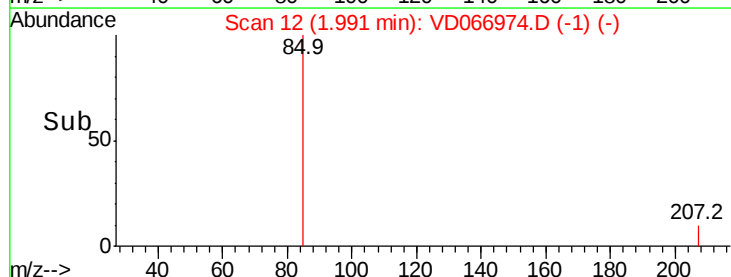
600

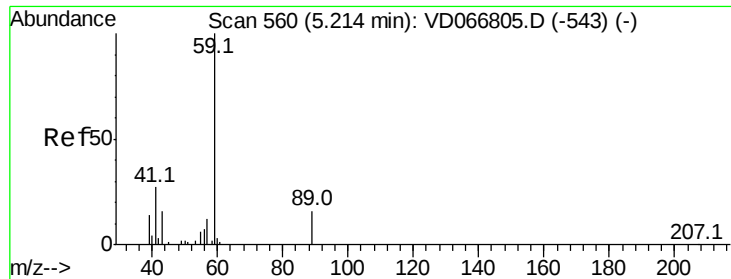
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200

0

Time-->

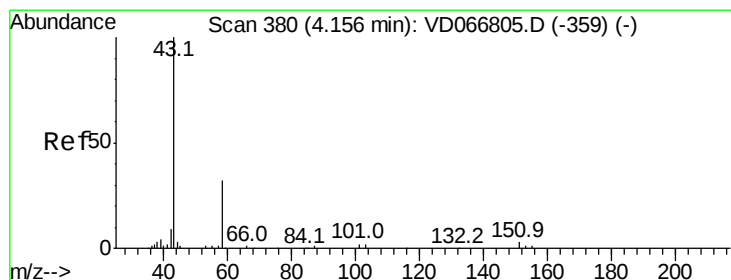
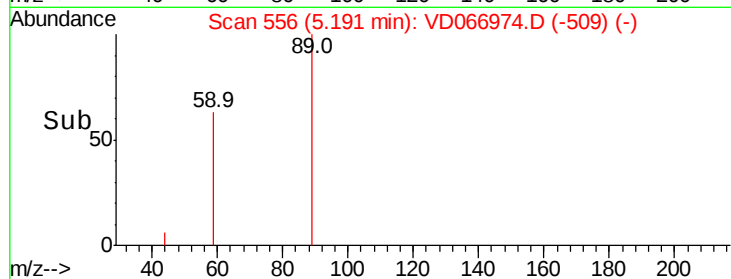
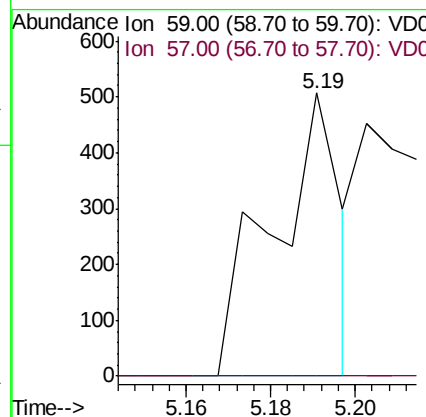
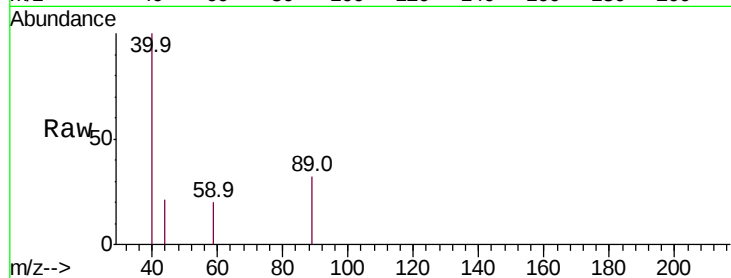




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.19 min Scan# 556
Delta R.T. -0.02 min
Lab File: VD066974.D
Acq: 30 Sep 2020 15:25

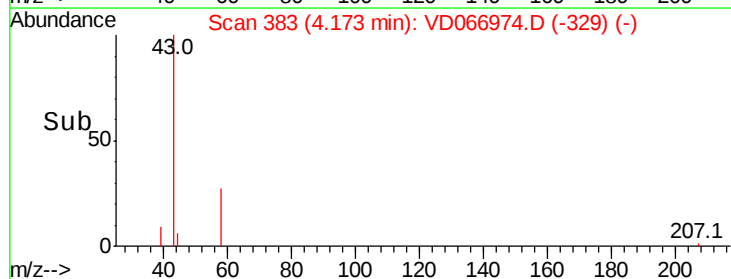
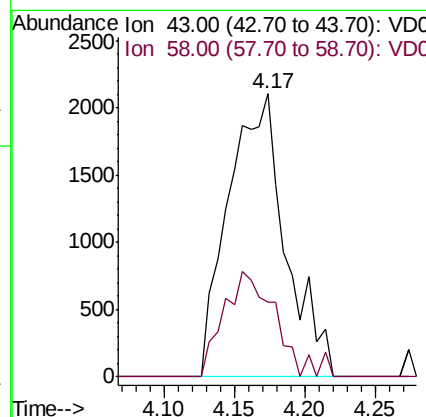
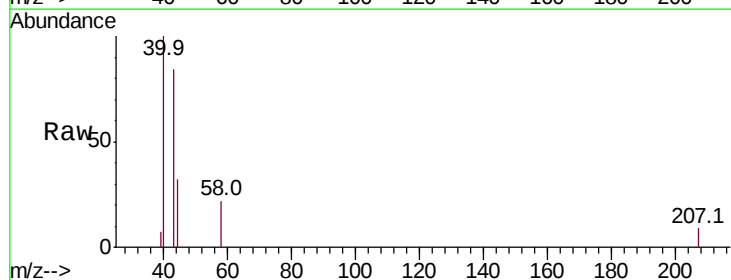
Instrument :
MSVOA_D
ClientSampleId :
B-12(3-4)

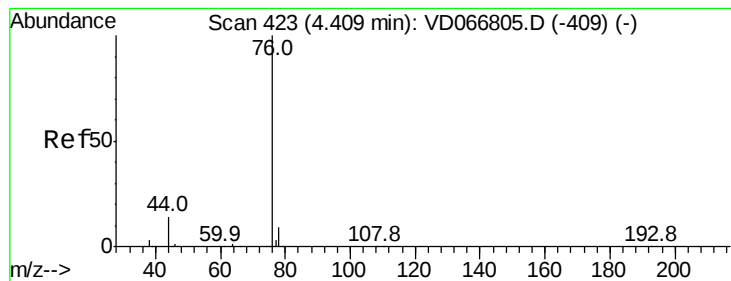
Tot Ion: 59 Resp: 560
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 6.355 ug/l
RT: 4.17 min Scan# 383
Delta R.T. 0.02 min
Lab File: VD066974.D
Acq: 30 Sep 2020 15:25

Tgt Ion: 43 Resp: 5951
Ion Ratio Lower Upper
43 100
58 26.5 25.6 38.4





#17

Carbon Disulfide

Concen: 1.044 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD066974.D

Acq: 30 Sep 2020 15:25

Instrument :

MSVOA_D

ClientSampleId :

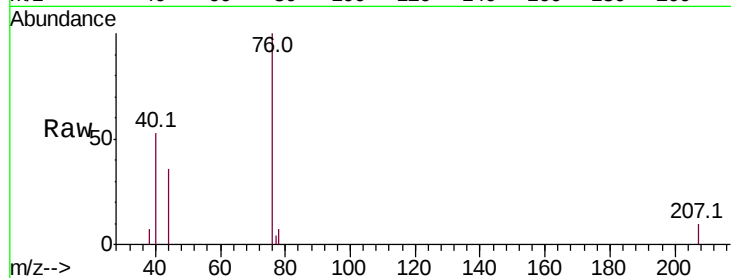
B-12(3-4)

Tot Ion: 76 Resp: 14099

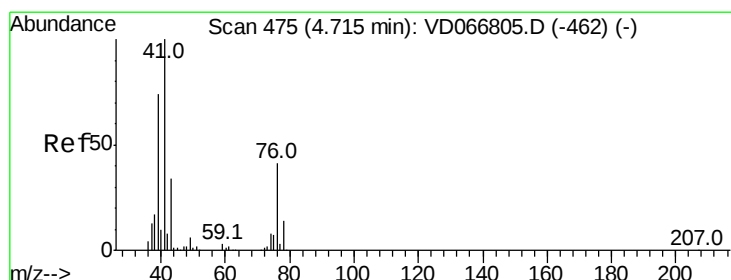
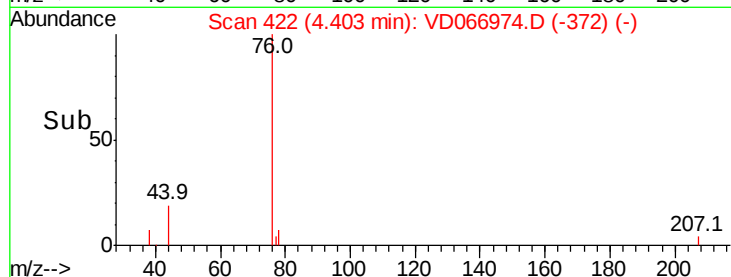
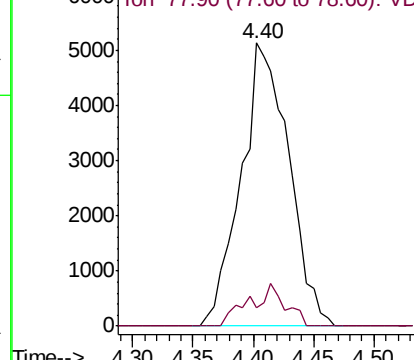
Ion Ratio Lower Upper

76 100

78 6.6 7.6 11.4#



Abundance Ion 75.90 (75.60 to 76.60): VDC
Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: Below Cal

RT: 4.56 min Scan# 448

Delta R.T. -0.16 min

Lab File: VD066974.D

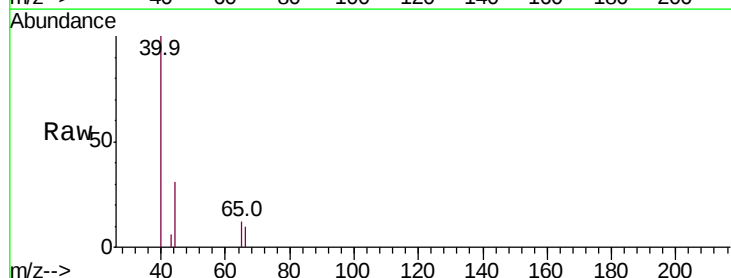
Acq: 30 Sep 2020 15:25

Tgt Ion: 43 Resp: 53

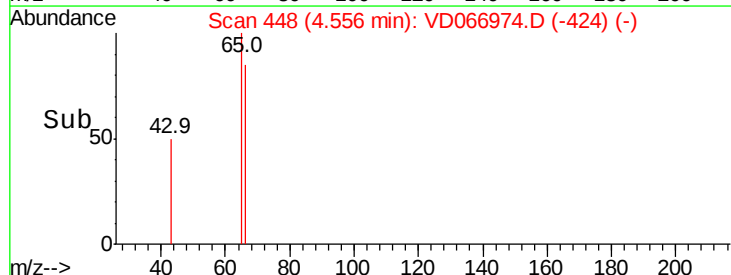
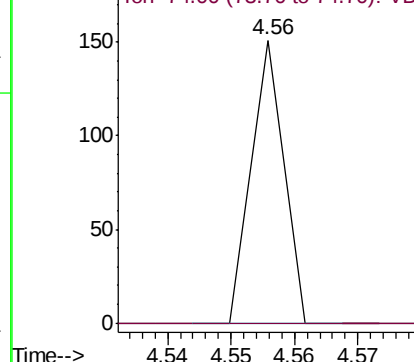
Ion Ratio Lower Upper

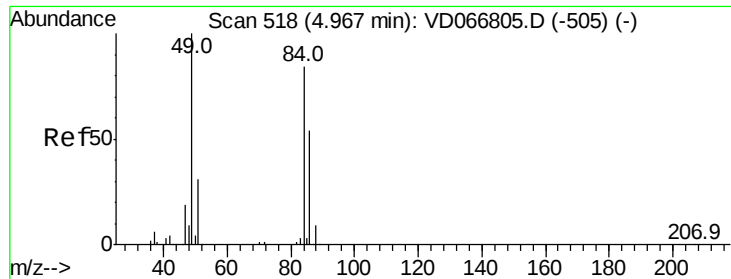
43 100

74 0.0 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 74.00 (73.70 to 74.70): VDC

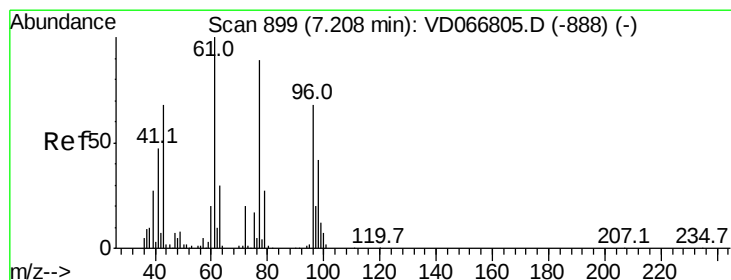
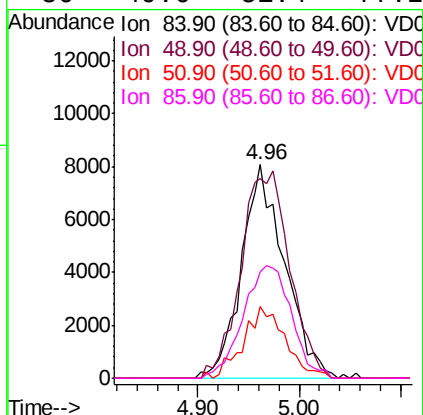
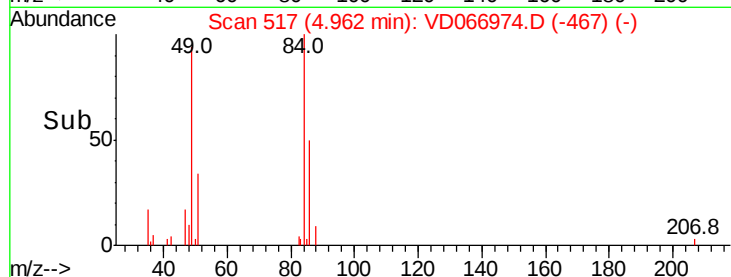
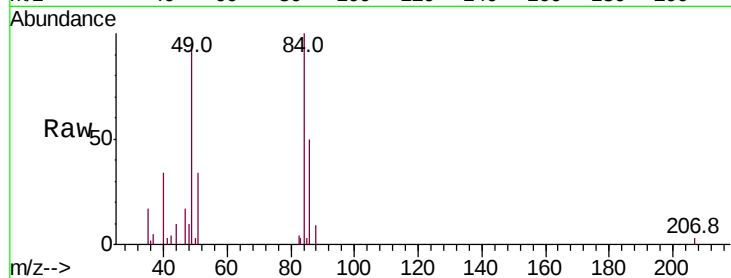




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066974.D
Acq: 30 Sep 2020 15:25

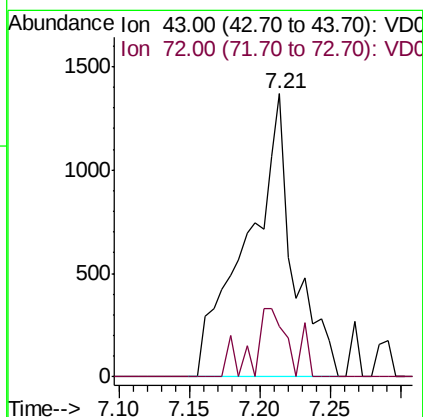
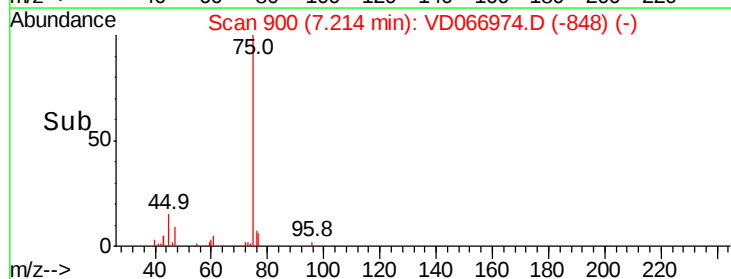
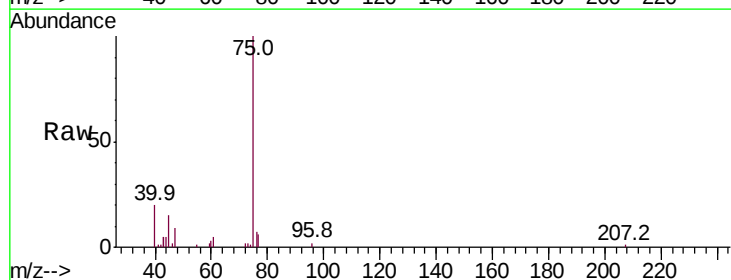
Instrument :
MSVOA_D
ClientSampleId :
B-12(3-4)

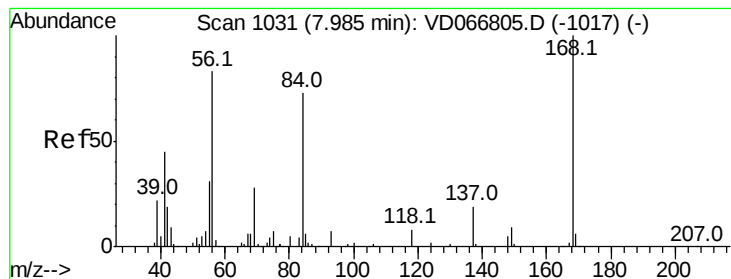
Tot Ion: 84 Resp: 23899
Ion Ratio Lower Upper
84 100
49 93.5 95.4 143.2#
51 33.6 29.7 44.5
86 49.6 51.4 77.2#



#25
2-Butanone
Concen: 2.774 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD066974.D
Acq: 30 Sep 2020 15:25

Tgt Ion: 43 Resp: 3122
Ion Ratio Lower Upper
43 100
72 17.9 22.9 34.3#





#31

Cyclohexane

Concen: 1.150 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066974.D

Acq: 30 Sep 2020 15:25

Instrument :

MSVOA_D

ClientSampleId :

B-12(3-4)

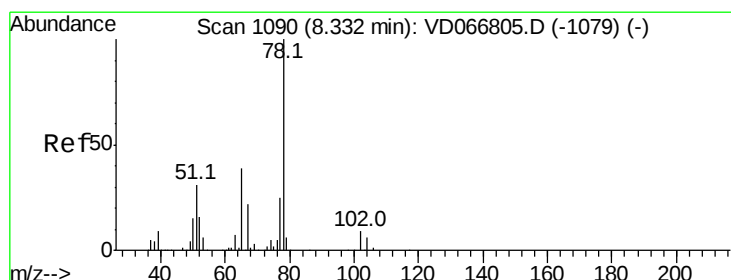
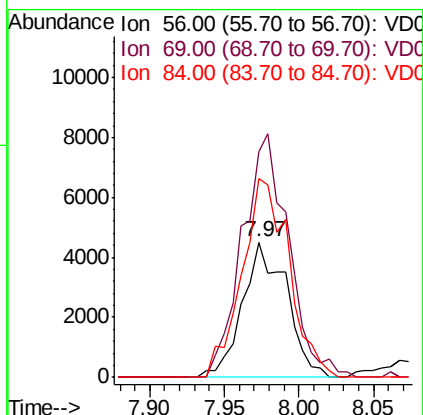
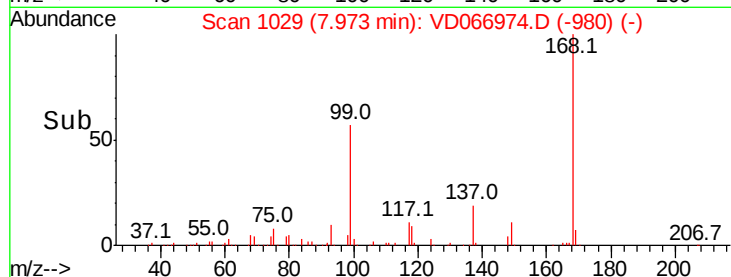
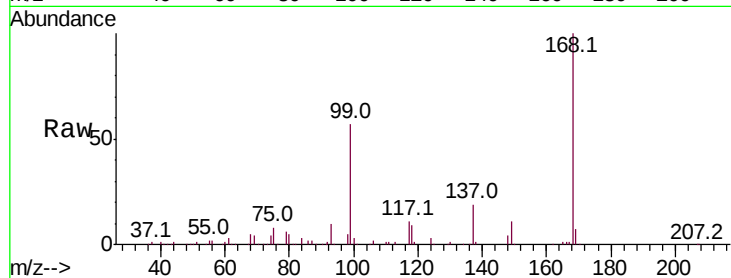
Tot Ion: 56 Resp: 9228

Ion Ratio Lower Upper

56 100

69 167.1 27.0 40.4#

84 147.0 70.2 105.4#



#33

1,2-Dichloroethane-d4

Concen: 48.030 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066974.D

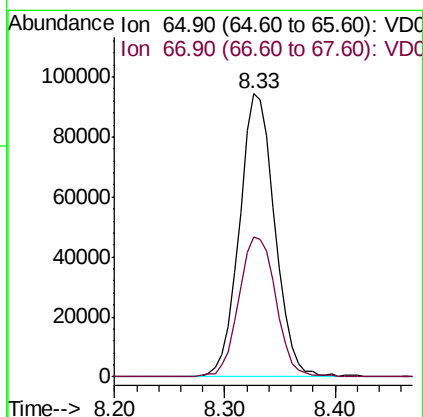
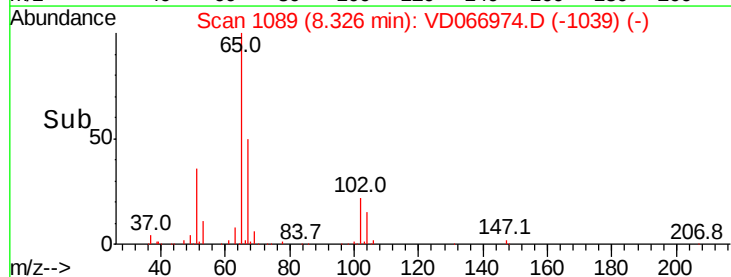
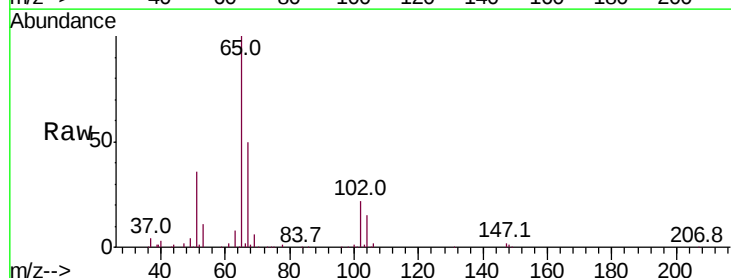
Acq: 30 Sep 2020 15:25

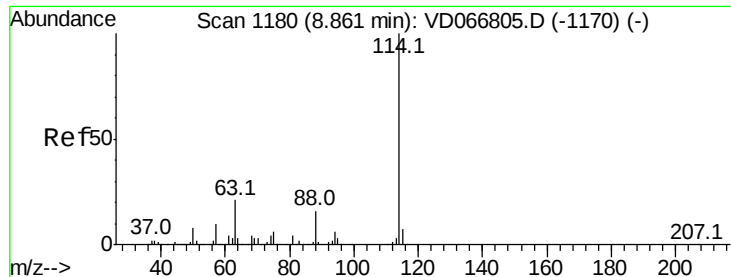
Tgt Ion: 65 Resp: 212009

Ion Ratio Lower Upper

65 100

67 52.1 0.0 107.2

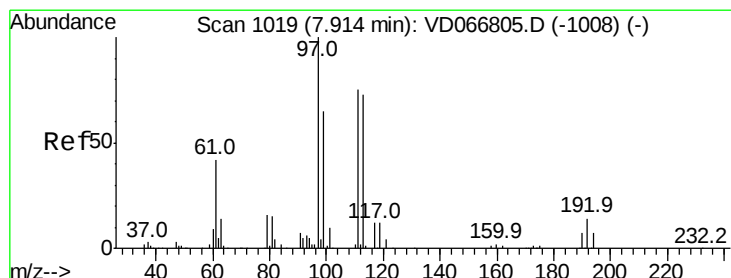
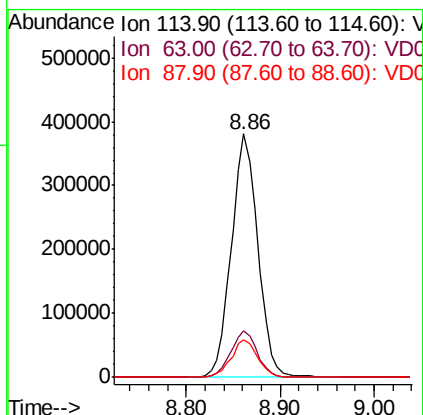
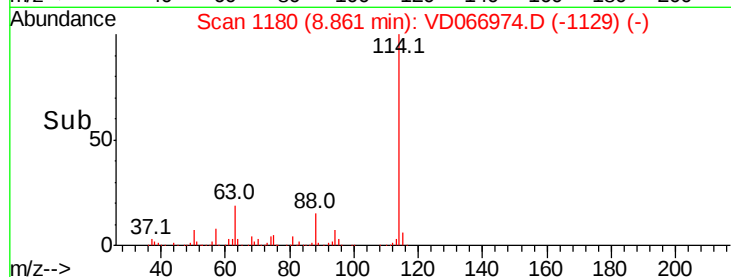
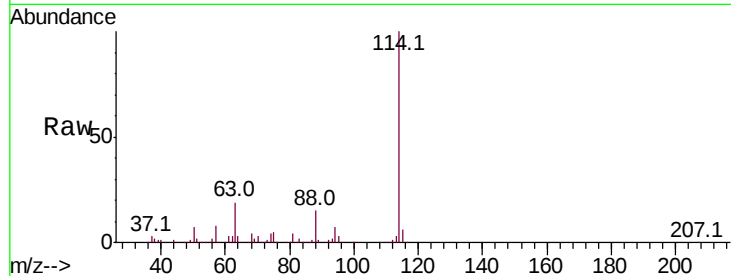




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.86 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD066974.D
Acq: 30 Sep 2020 15:25

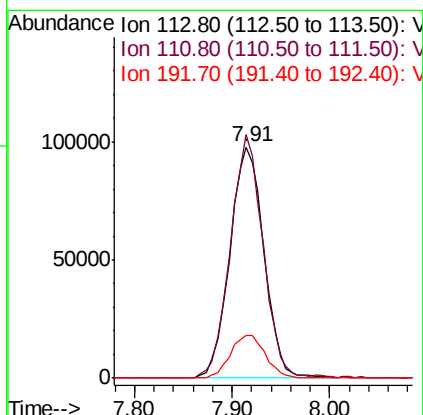
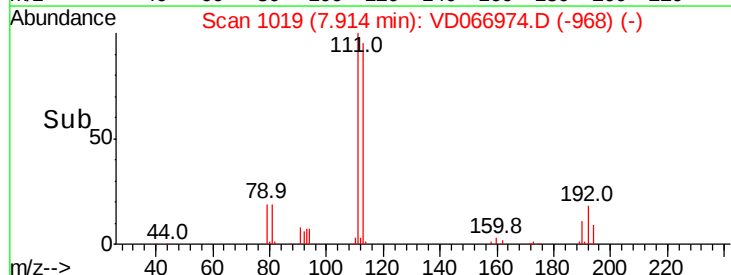
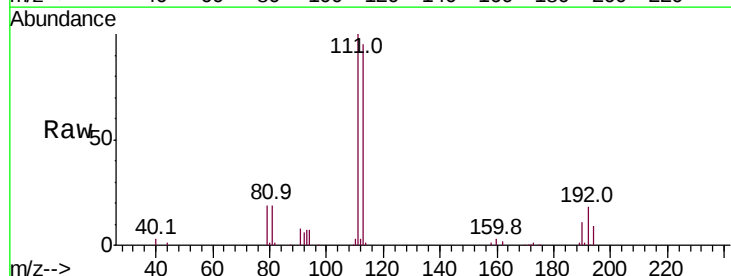
Instrument :
MSVOA_D
ClientSampleId :
B-12(3-4)

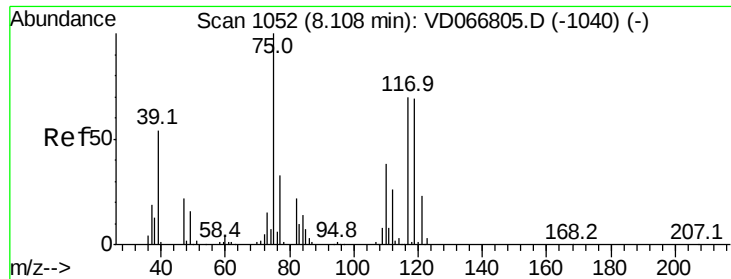
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	42.6
88	15.5	0.0	32.6



#35
Dibromofluoromethane
Concen: 49.863 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD066974.D
Acq: 30 Sep 2020 15:25

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.8	122.8
192	19.2	14.4	21.6





#36

1,1-Dichloropropene

Concen: 4.847 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066974.D

Acq: 30 Sep 2020 15:25

Instrument :

MSVOA_D

ClientSampleId :

B-12(3-4)

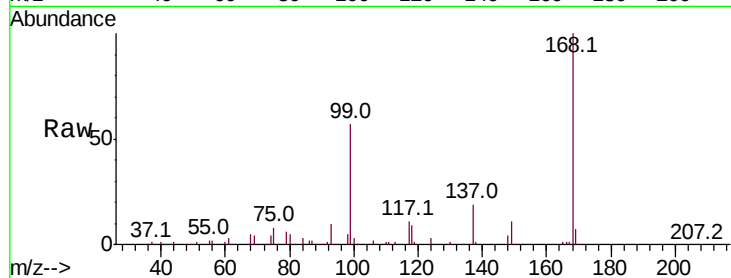
Tot Ion: 75 Resp: 35777

Ion Ratio Lower Upper

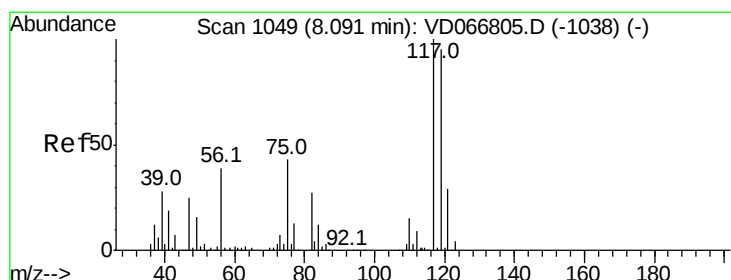
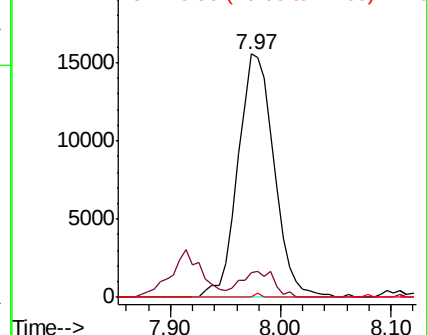
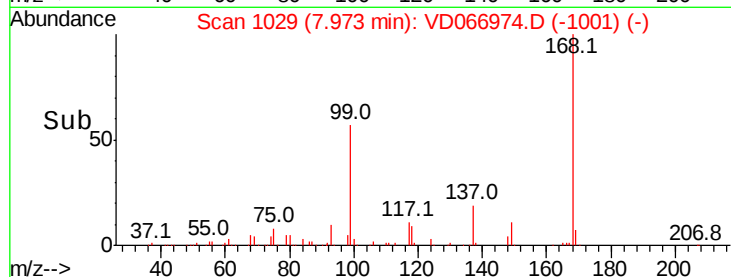
75 100

110 10.1 17.9 53.8#

77 0.2 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VD066974.D (-998) (-)



#38

Carbon Tetrachloride

Concen: 5.741 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066974.D

Acq: 30 Sep 2020 15:25

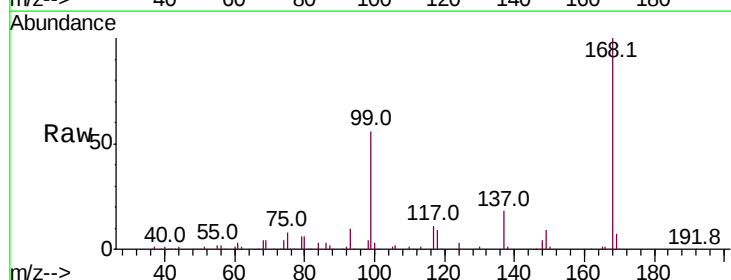
Tgt Ion: 117 Resp: 46324

Ion Ratio Lower Upper

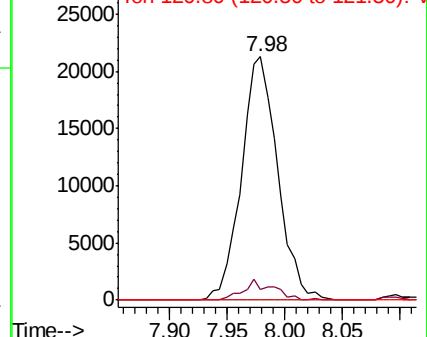
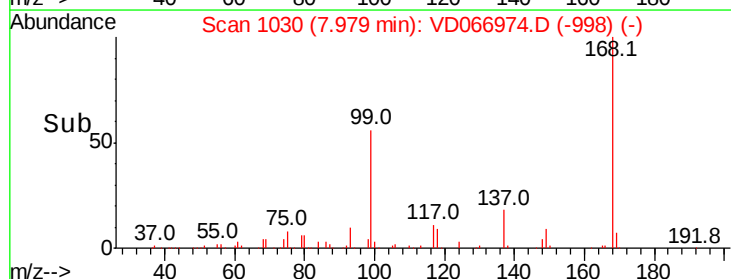
117 100

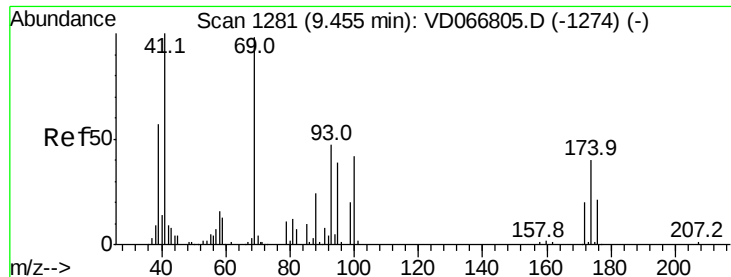
119 4.6 75.8 113.8#

121 0.0 23.4 35.0#



Abundance Ion 116.80 (116.50 to 117.50): VD066974.D (-998) (-)

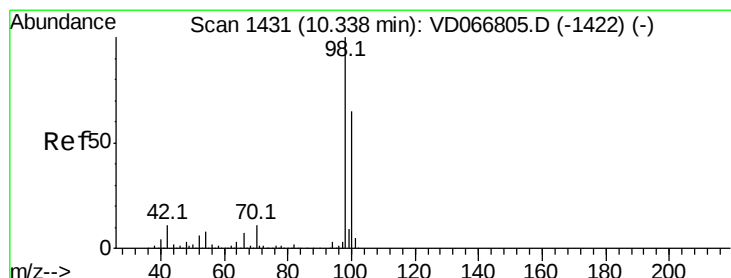
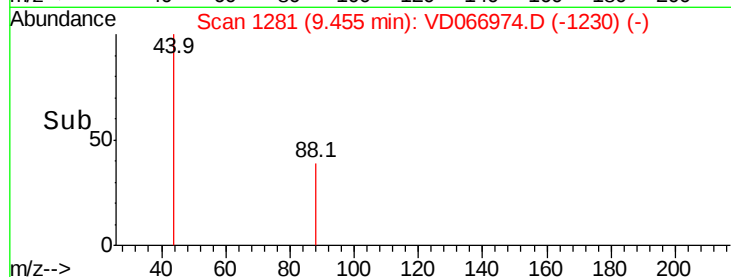
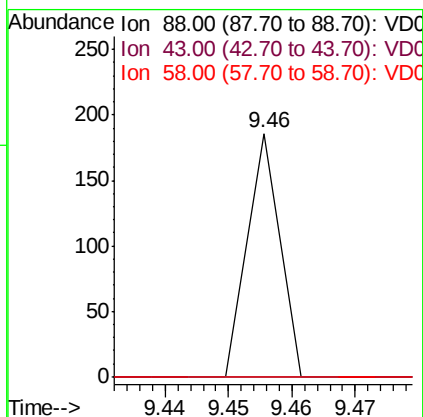
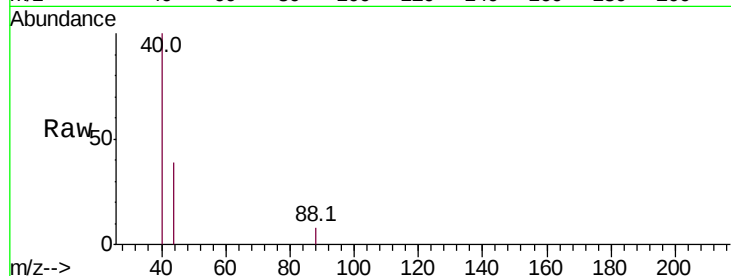




#49
1,4-Dioxane
Concen: Below Cal
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066974.D
Acq: 30 Sep 2020 15:25

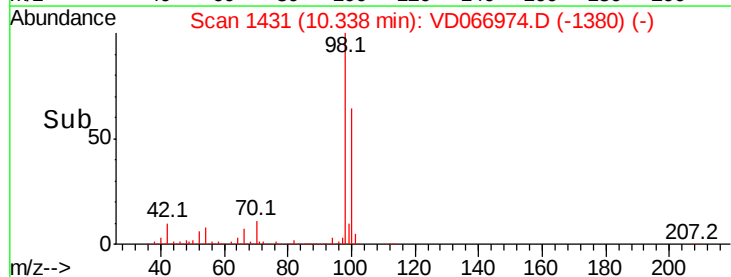
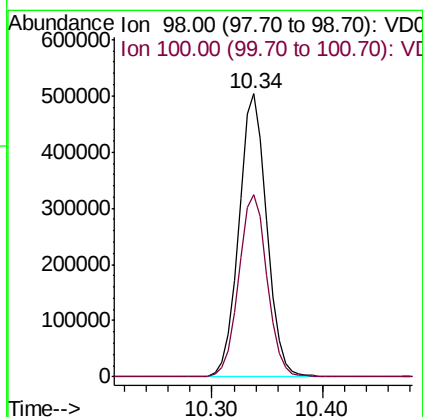
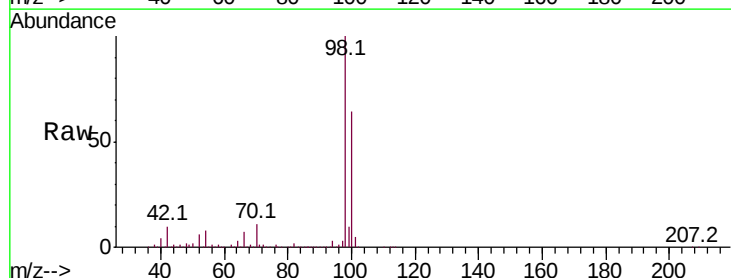
Instrument :
MSVOA_D
ClientSampleId :
B-12(3-4)

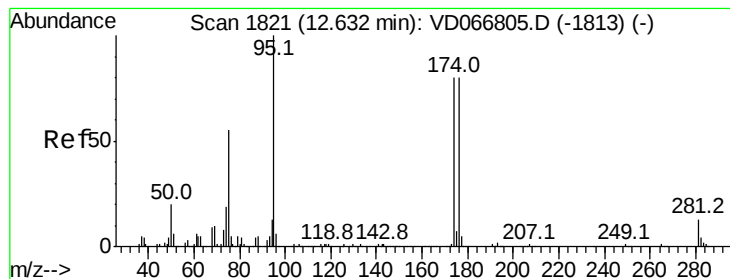
Tot Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 0.0 27.7 41.5#
58 0.0 55.5 83.3#



#50
Toluene-d8
Concen: 55.354 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066974.D
Acq: 30 Sep 2020 15:25

Tgt Ion: 98 Resp: 892665
Ion Ratio Lower Upper
98 100
100 65.7 52.2 78.2





#62

4-Bromofluorobenzene

Concen: 60.494 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066974.D

Acq: 30 Sep 2020 15:25

Instrument :

MSVOA_D

ClientSampleId :

B-12(3-4)

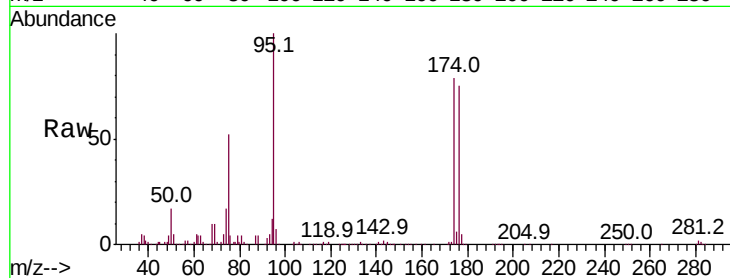
Tot Ion: 95 Resp: 333966

Ion Ratio Lower Upper

95 100

174 83.2 0.0 159.8

176 78.5 0.0 154.4



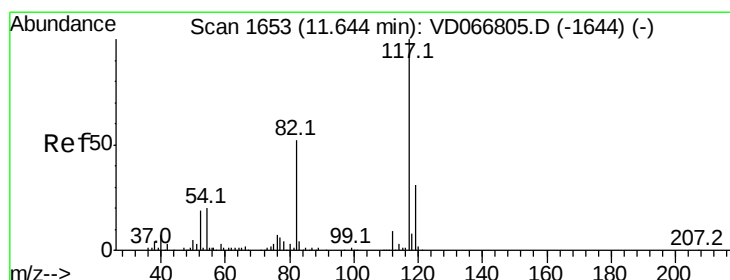
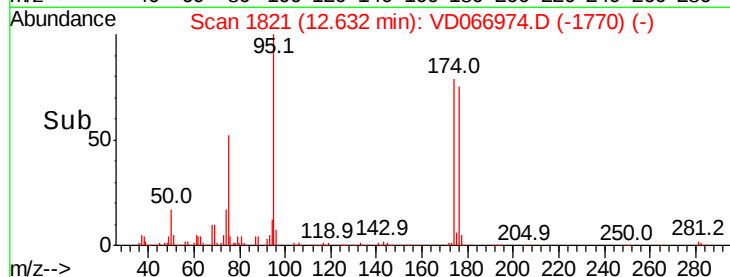
Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.63

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD066974.D

Acq: 30 Sep 2020 15:25

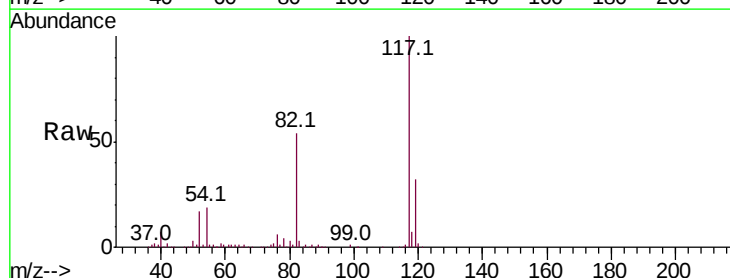
Tgt Ion: 117 Resp: 766384

Ion Ratio Lower Upper

117 100

82 53.9 41.8 62.6

119 32.4 24.6 37.0



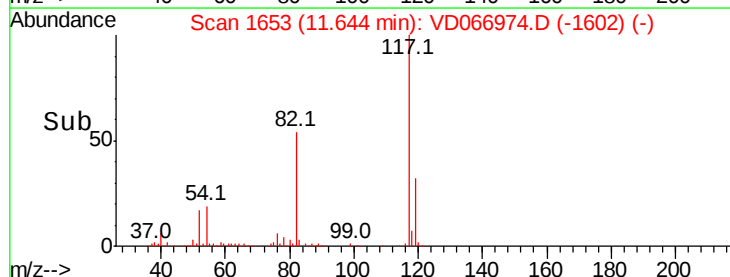
Abundance Ion 116.90 (116.60 to 117.60): V

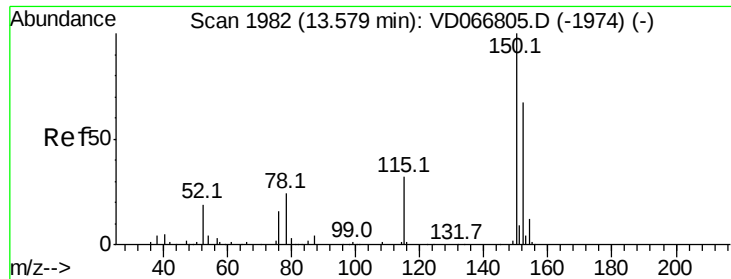
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

11.64

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066974.D

Acq: 30 Sep 2020 15:25

Instrument :

MSVOA_D

ClientSampleId :

B-12(3-4)

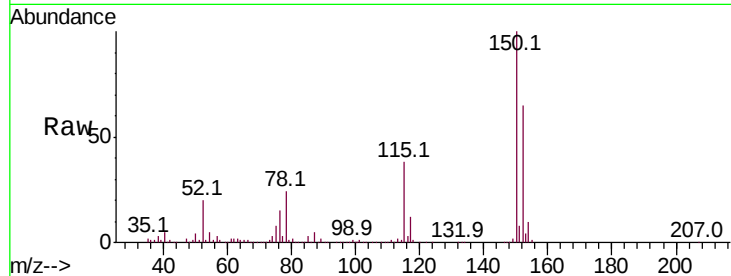
Tot Ion:152 Resp: 370228

Ion Ratio Lower Upper

152 100

115 58.0 30.3 91.0

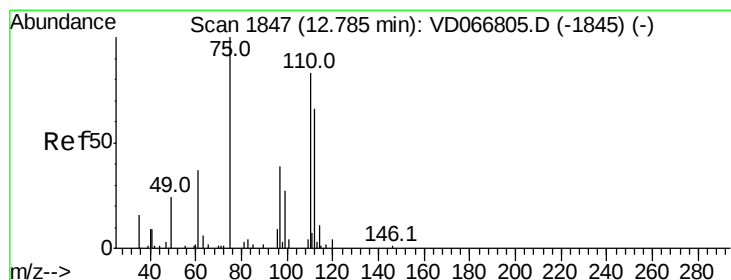
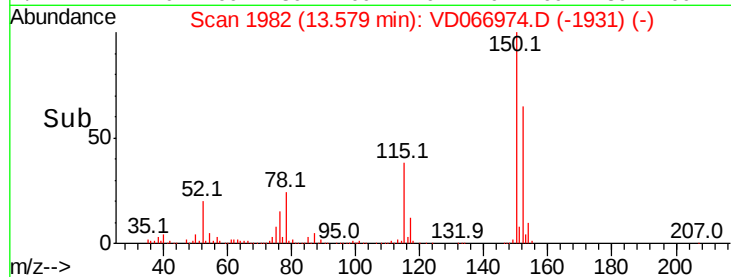
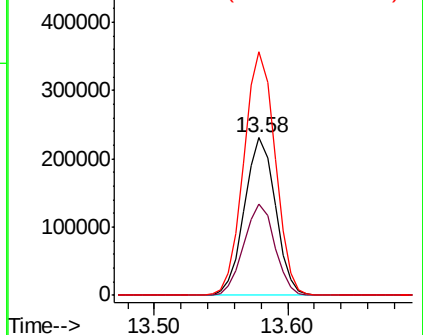
150 156.6 0.0 346.2



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: 54.307 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066974.D

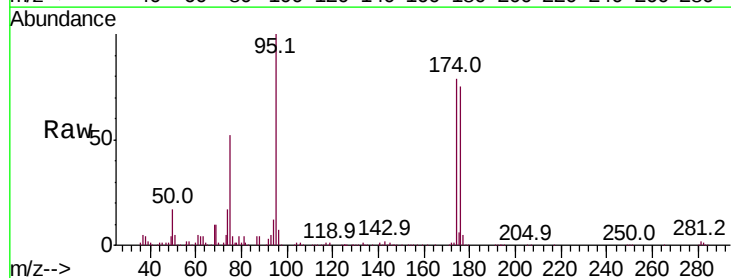
Acq: 30 Sep 2020 15:25

Tgt Ion: 75 Resp: 166622

Ion Ratio Lower Upper

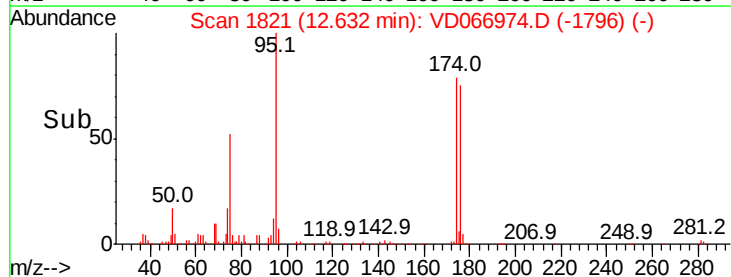
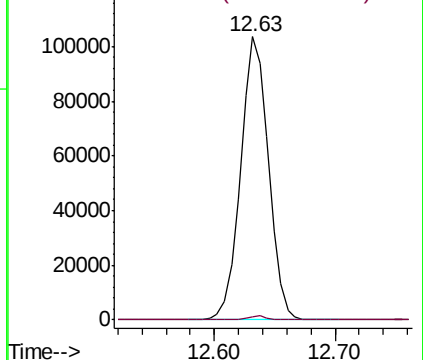
75 100

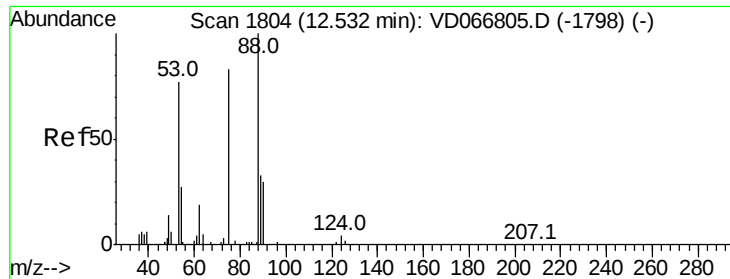
77 1.2 0.0 0.0#



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: 135.871 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066974.D

Acq: 30 Sep 2020 15:25

Instrument :

MSVOA_D

ClientSampled :

B-12(3-4)

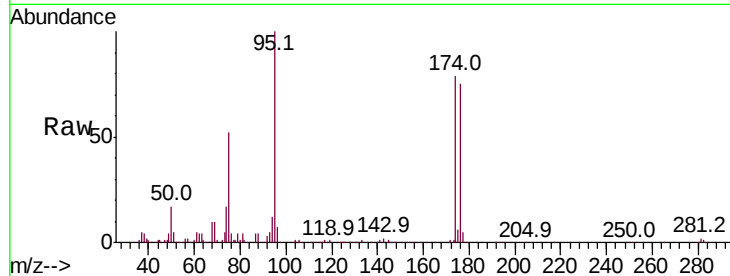
Tot Ion: 75 Resp: 166622

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

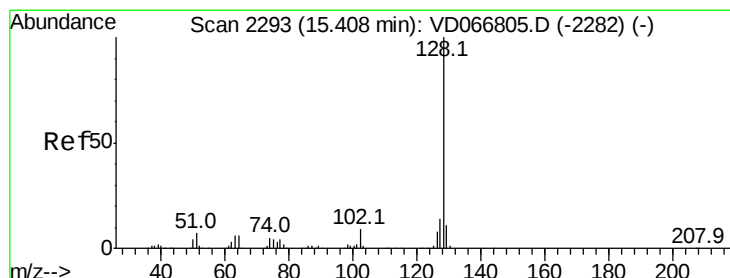
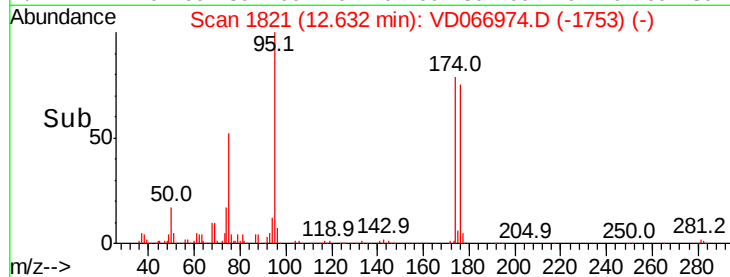
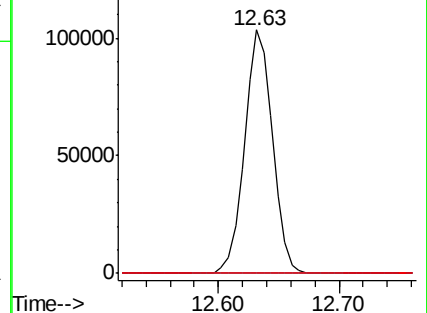
89 0.1 38.1 57.1#



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: 2.385 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066974.D

Acq: 30 Sep 2020 15:25

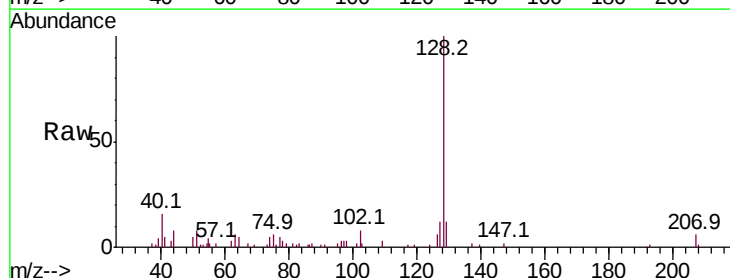
Tgt Ion: 128 Resp: 26948

Ion Ratio Lower Upper

128 100

127 12.9 10.6 16.0

129 12.4 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

