

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061220\
 Data File : VX016735.D
 Acq On : 12 Jun 2020 17:49
 Operator : JC/SP
 Sample : L2817-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 13 04:32:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	225679	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	355594	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	367981	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	183937	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	135801	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	
35) Dibromofluoromethane	5.46	113	113218	51.71	ug/l	0.00
Spiked Amount			Recovery	=	103.42%	
50) Toluene-d8	8.70	98	448580	52.64	ug/l	0.00
Spiked Amount			Recovery	=	105.28%	
62) 4-Bromofluorobenzene	11.12	95	172285	52.32	ug/l	0.00
Spiked Amount			Recovery	=	104.64%	

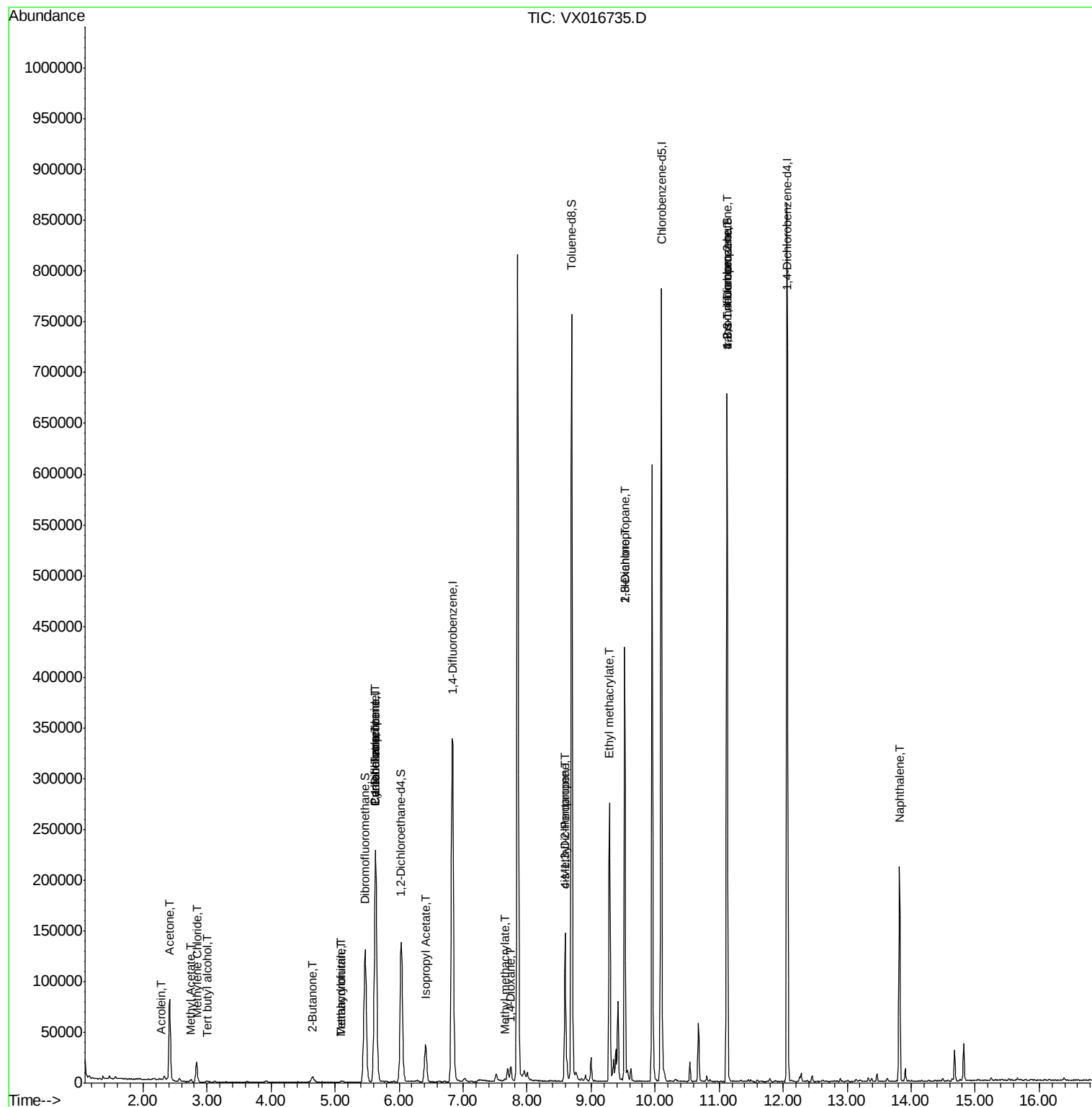
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.00	59	396	0.551	ug/l #	72
13) Acrolein	2.28	56	91	0.298	ug/l #	1
16) Acetone	2.42	43	81746	66.574	ug/l	99
18) Methyl Acetate	2.75	43	3060	0.972	ug/l	93
20) Methylene Chloride	2.83	84	9786	3.852	ug/l	91
25) 2-Butanone	4.65	43	3990	1.918	ug/l	92
29) Tetrahydrofuran	5.09	42	456	0.339	ug/l #	33
31) Cyclohexane	5.64	56	3630	0.932	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	15182	4.509	ug/l #	52
38) Carbon Tetrachloride	5.63	117	21118	5.969	ug/l #	18
41) Methacrylonitrile	5.10	41	706	0.318	ug/l #	40
43) Isopropyl Acetate	6.41	43	51034	8.094	ug/l	98
48) Methyl methacrylate	7.66	41	2991	0.991	ug/l #	14
49) 1,4-Dioxane	7.74	88	24	0.340	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	51207	13.043	ug/l #	44
54) cis-1,3-Dichloropropene	8.59	75	24934	5.836	ug/l #	61
56) Ethyl methacrylate	9.29	69	1060	0.259	ug/l #	1
57) 1,3-Dichloropropane	9.52	76	3674	0.851	ug/l #	42
59) 2-Hexanone	9.52	43	46356	15.184	ug/l #	49
76) 1,2,3-Trichloropropane	11.12	75	84254	20.839	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	84254	51.262	ug/l #	14
95) Naphthalene	13.82	128	129043	10.102	ug/l	100

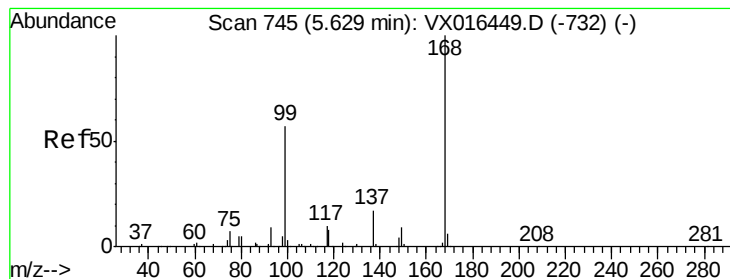
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061220\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX016735.D

Acq: 12 Jun 2020 17:49

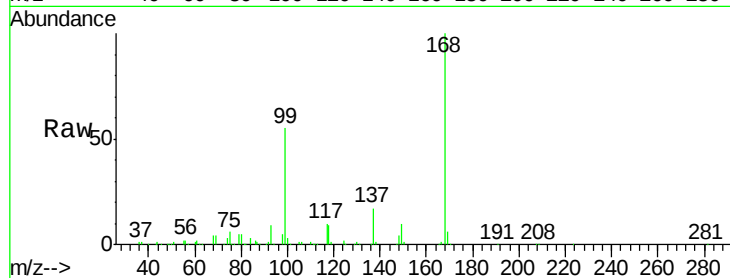
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 225679

Ion Ratio Lower Upper

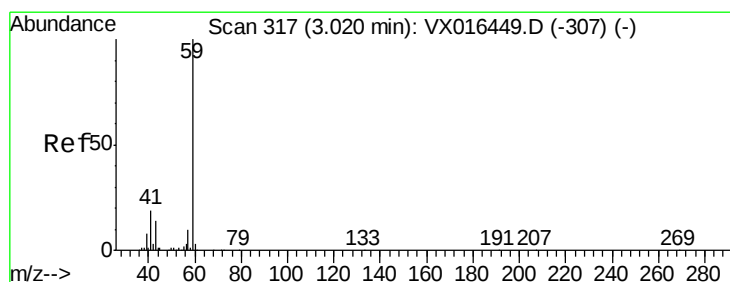
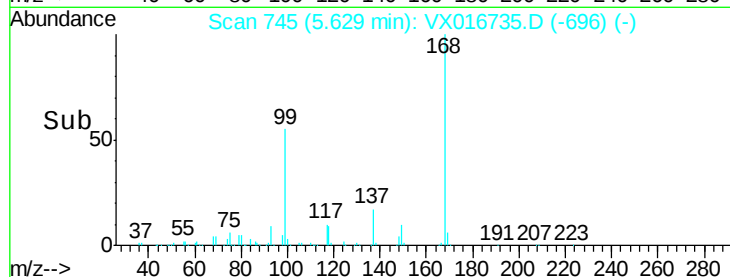
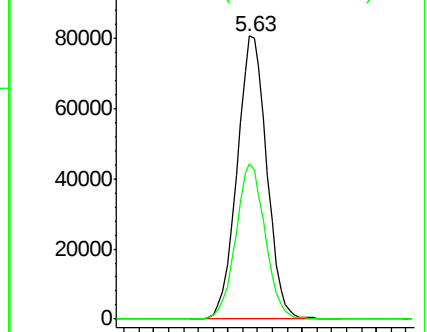
168 100

99 55.0 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 0.551 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX016735.D

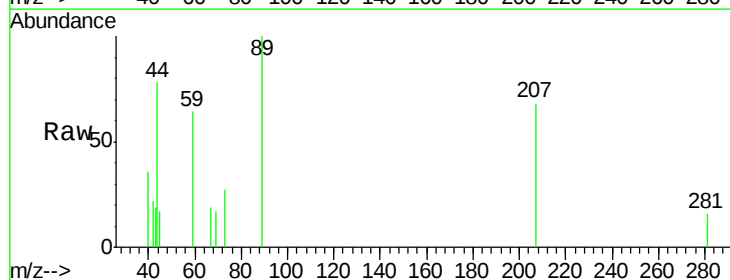
Acq: 12 Jun 2020 17:49

Tgt Ion: 59 Resp: 396

Ion Ratio Lower Upper

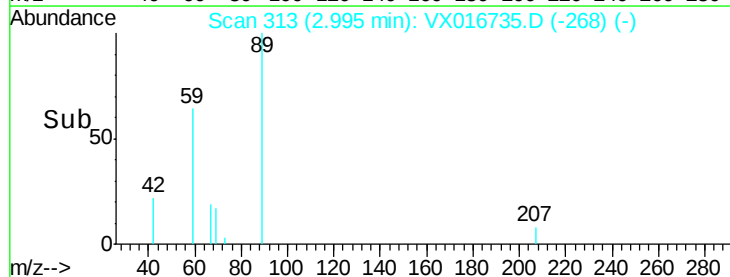
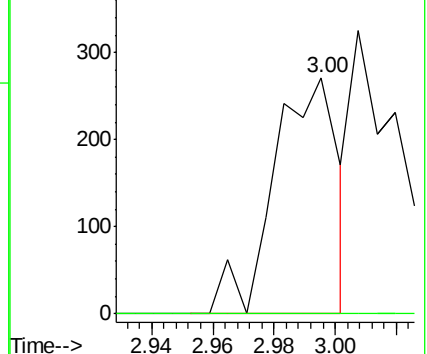
59 100

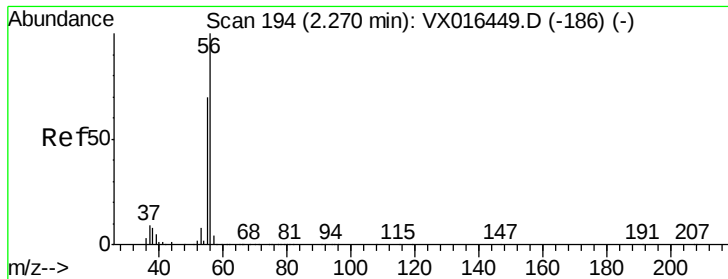
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.298 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016735.D

Acq: 12 Jun 2020 17:49

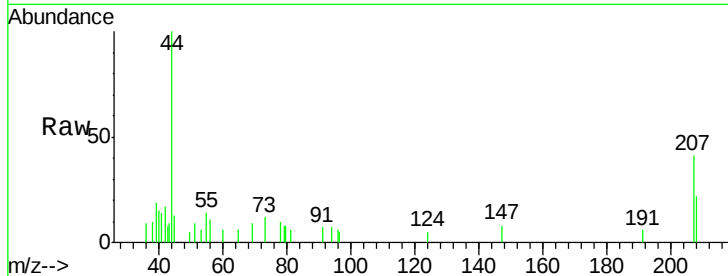
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 91

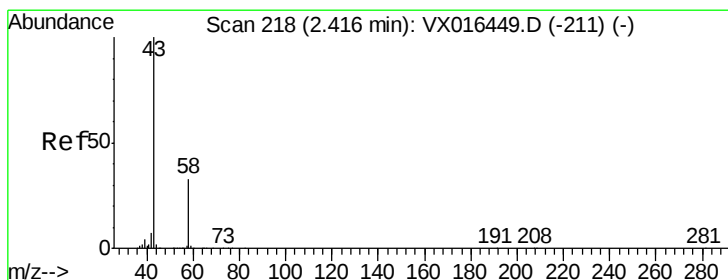
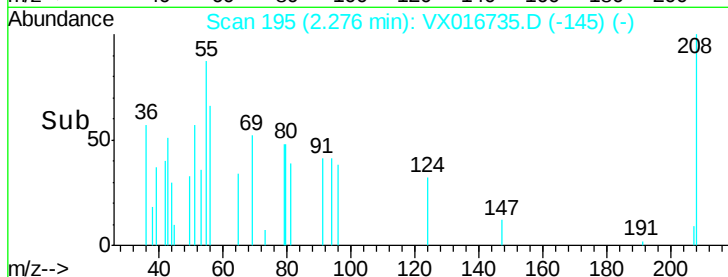
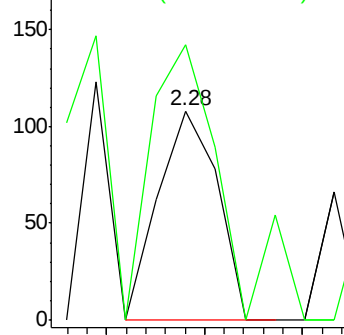
Ion Ratio Lower Upper

56 100

55 161.5 58.3 87.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 66.574 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX016735.D

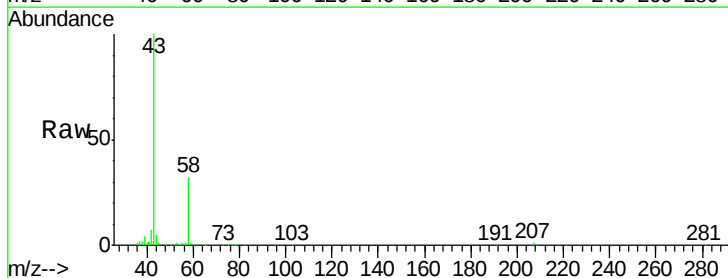
Acq: 12 Jun 2020 17:49

Tgt Ion: 43 Resp: 81746

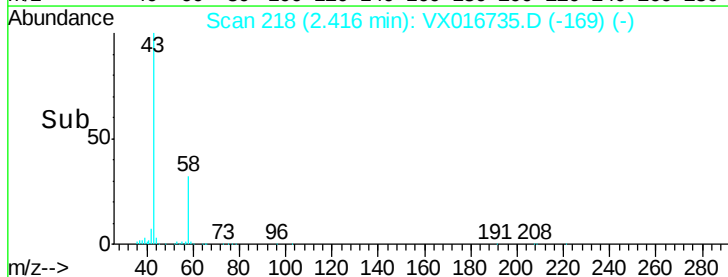
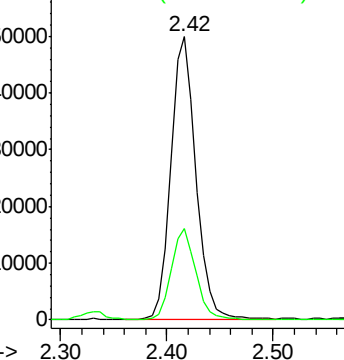
Ion Ratio Lower Upper

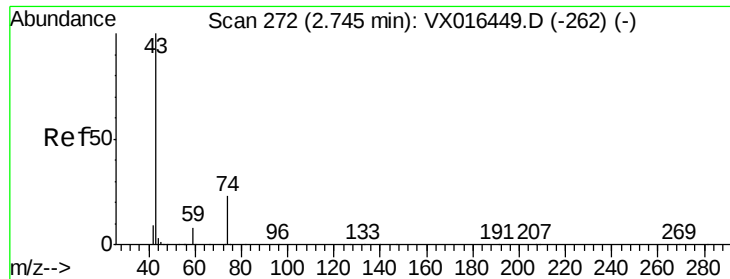
43 100

58 32.2 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

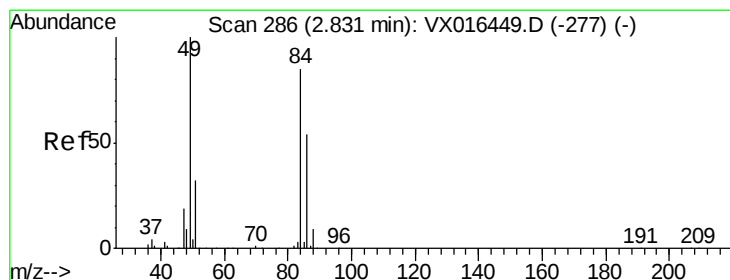
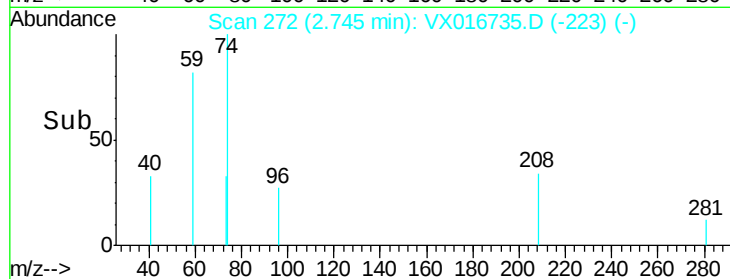
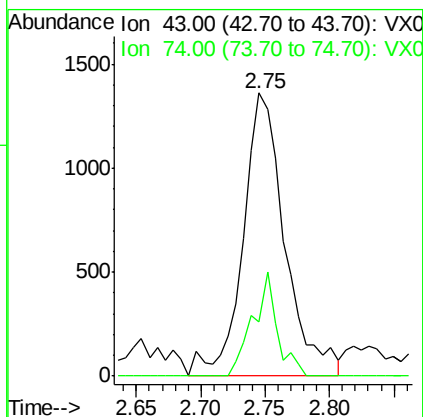
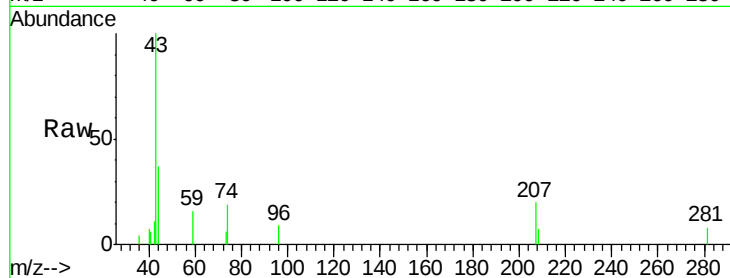




#18
Methyl Acetate
Concen: 0.972 ug/l
RT: 2.75 min Scan# 272
Delta R.T. 0.00 min
Lab File: VX016735.D
Acq: 12 Jun 2020 17:49

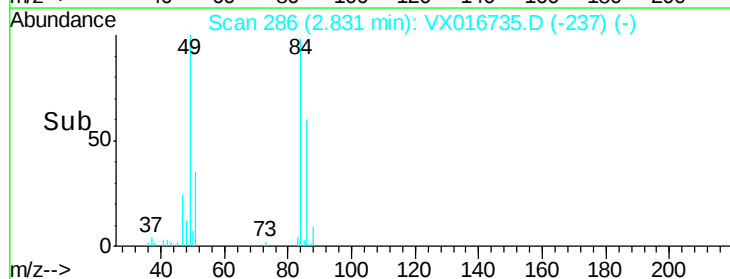
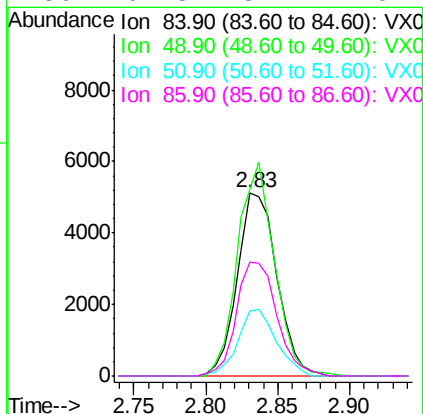
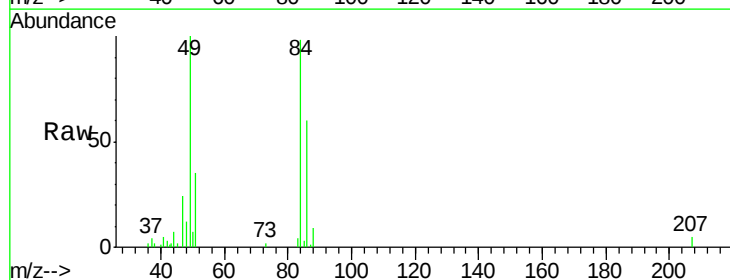
Instrument :
MSVOA_X
ClientSampled :

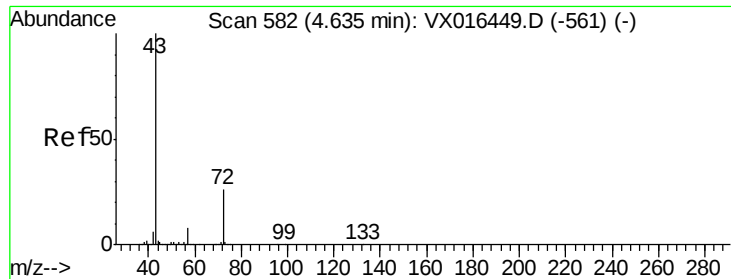
Tot Ion: 43 Resp: 3060
Ion Ratio Lower Upper
43 100
74 21.3 19.7 29.5



#20
Methylene Chloride
Concen: 3.852 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX016735.D
Acq: 12 Jun 2020 17:49

Tgt Ion: 84 Resp: 9786
Ion Ratio Lower Upper
84 100
49 102.2 94.5 141.7
51 35.5 30.2 45.4
86 61.8 51.1 76.7





#25

2-Butanone

Concen: 1.918 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX016735.D

Acq: 12 Jun 2020 17:49

Instrument :

MSVOA_X

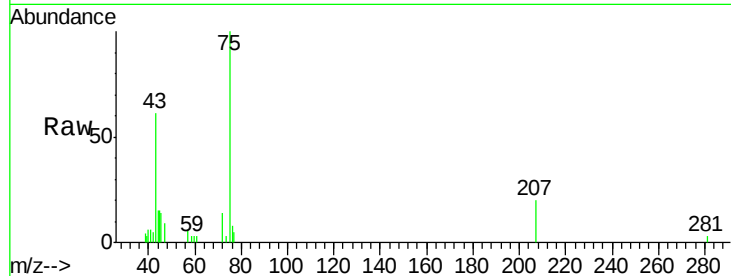
ClientSampleId :

Tot Ion: 43 Resp: 3990

Ion Ratio Lower Upper

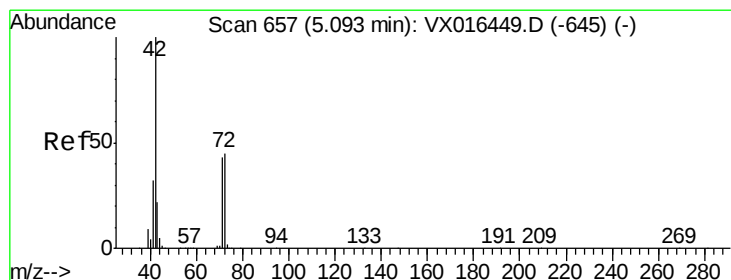
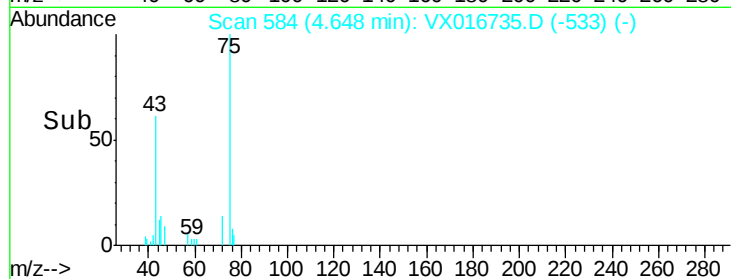
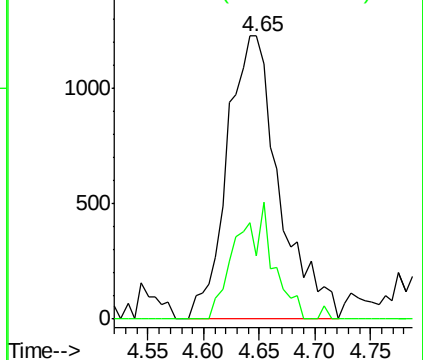
43 100

72 22.3 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.339 ug/l

RT: 5.09 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX016735.D

Acq: 12 Jun 2020 17:49

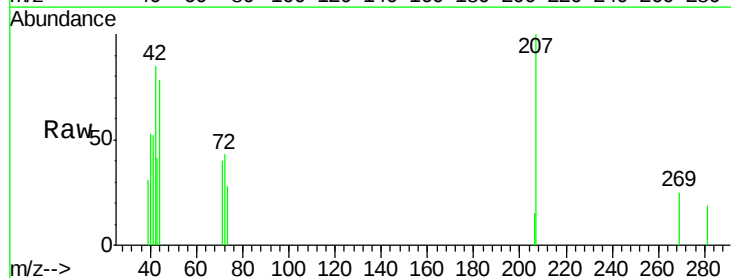
Tgt Ion: 42 Resp: 456

Ion Ratio Lower Upper

42 100

72 108.8 37.0 55.4#

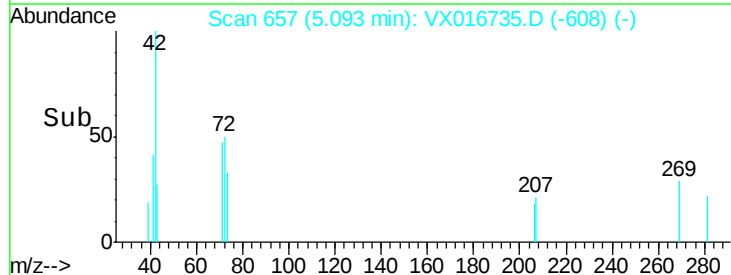
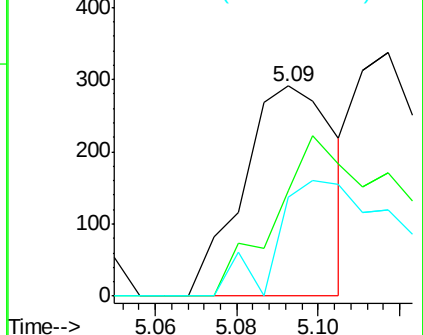
71 66.7 34.1 51.1#

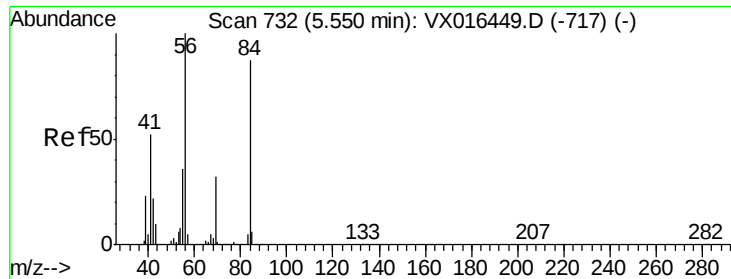


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

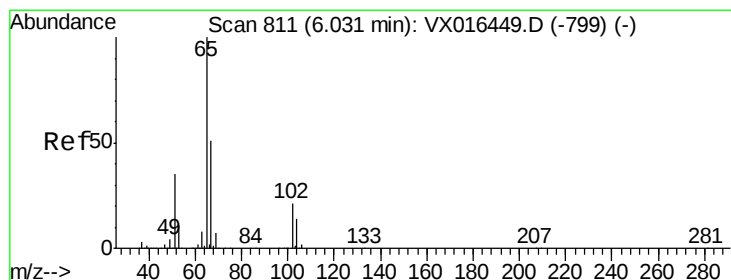
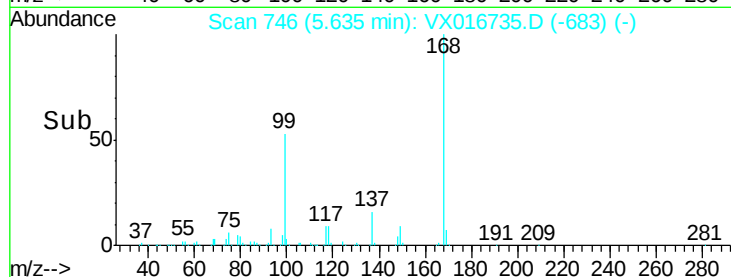
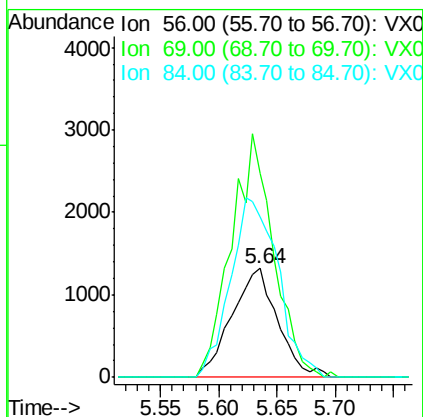
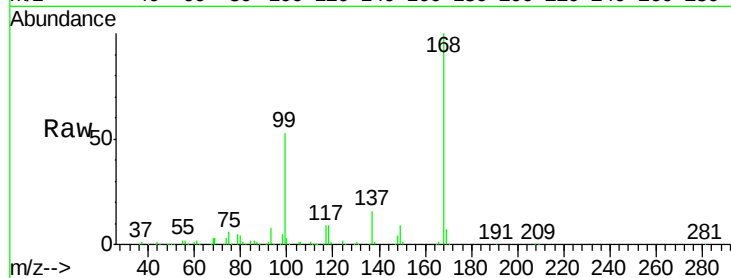




#31
Cyclohexane
Concen: 0.932 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX016735.D
Acq: 12 Jun 2020 17:49

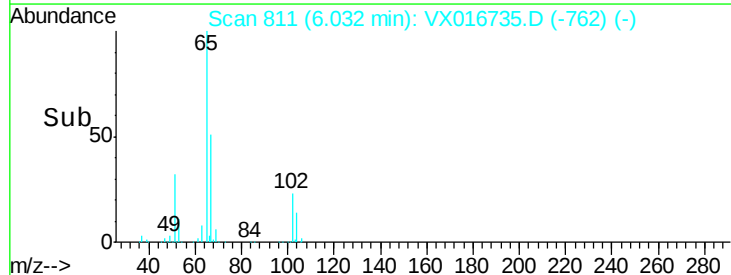
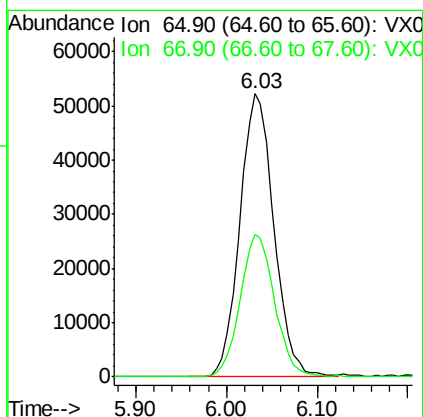
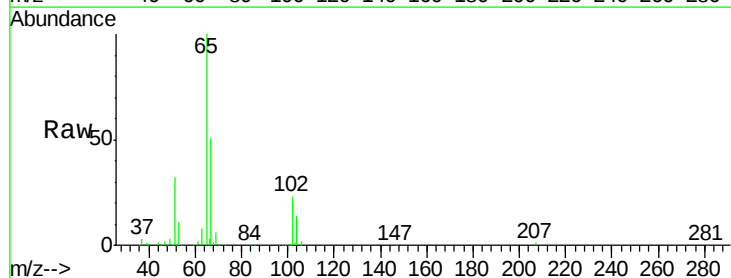
Instrument :
MSVOA_X
ClientSampleId :

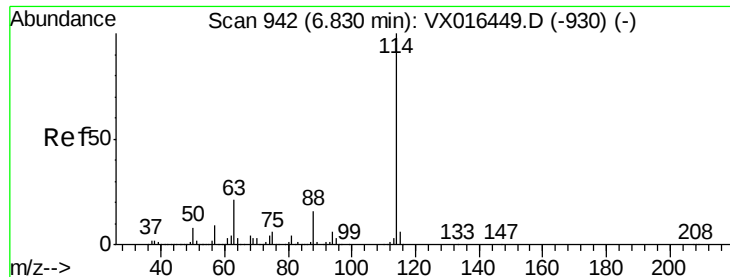
Tot Ion: 56 Resp: 3630
Ion Ratio Lower Upper
56 100
69 186.9 25.7 38.5#
84 147.9 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 48.455 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.00 min
Lab File: VX016735.D
Acq: 12 Jun 2020 17:49

Tgt Ion: 65 Resp: 135801
Ion Ratio Lower Upper
65 100
67 51.0 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016735.D

Acq: 12 Jun 2020 17:49

Instrument :

MSVOA_X

ClientSampleId :

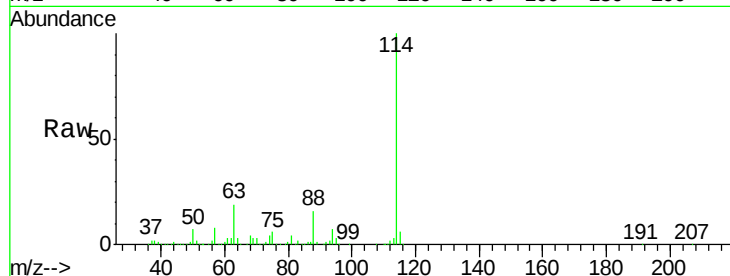
Tot Ion:114 Resp: 355594

Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.6

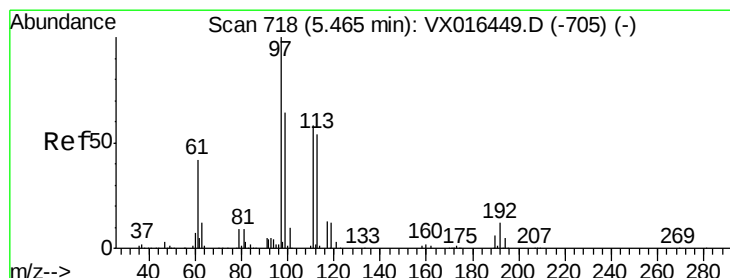
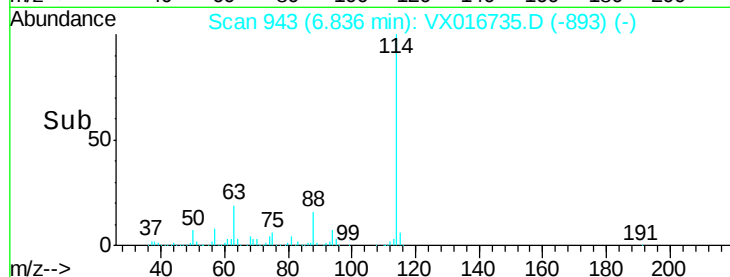
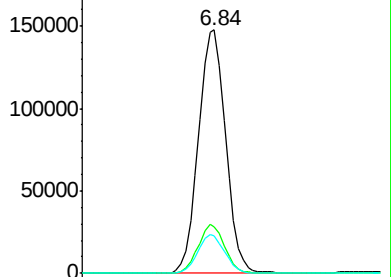
88 15.7 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 51.708 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX016735.D

Acq: 12 Jun 2020 17:49

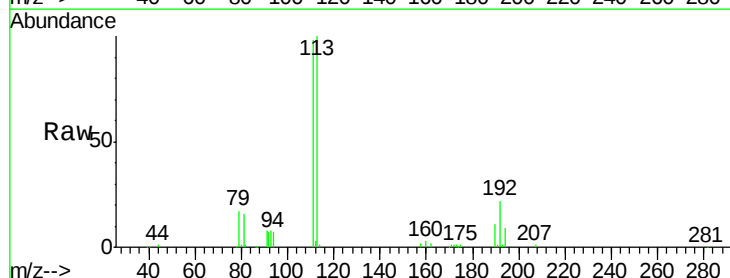
Tgt Ion:113 Resp: 113218

Ion Ratio Lower Upper

113 100

111 102.1 83.0 124.6

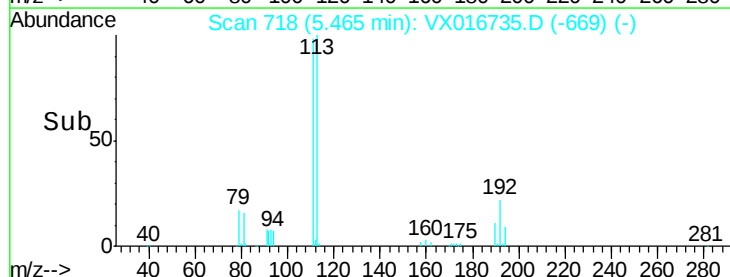
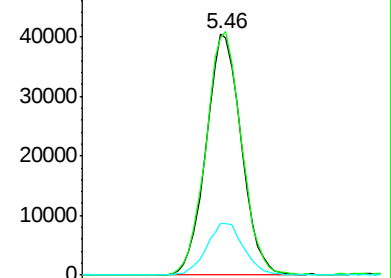
192 22.7 17.7 26.5

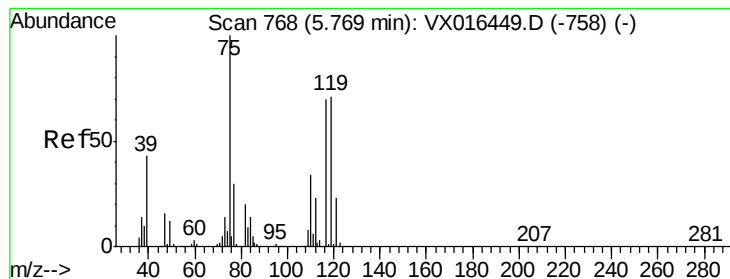


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.509 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX016735.D

Acq: 12 Jun 2020 17:49

Instrument :

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ClientSampleId :

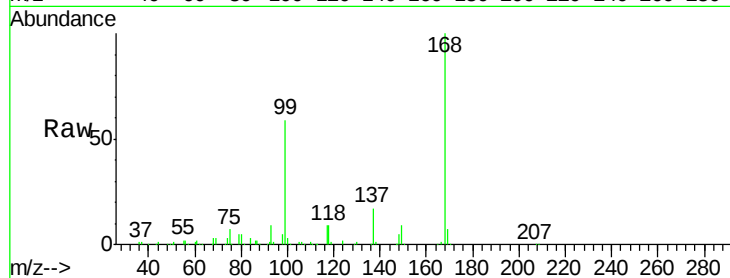
Tot Ion: 75 Resp: 15182

Ion Ratio Lower Upper

75 100

110 10.7 17.4 52.3#

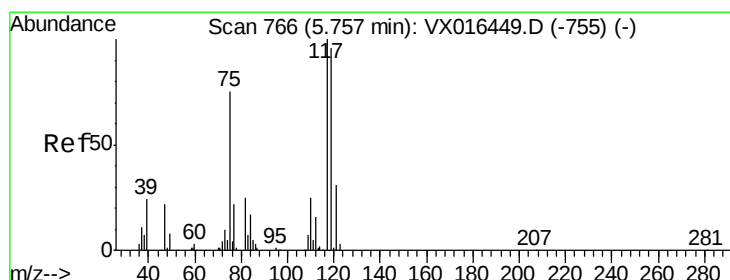
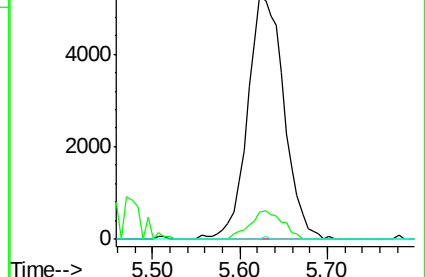
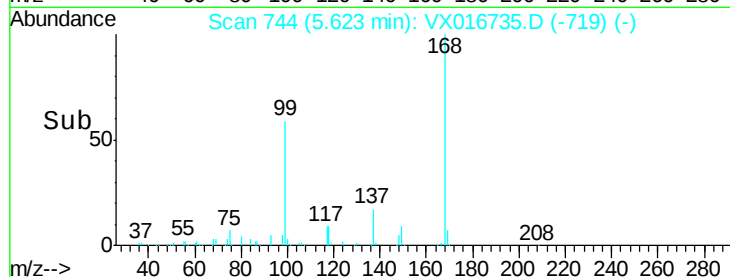
77 0.1 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VX016735.D (-719) (-)

Ion 109.90 (109.60 to 110.60): VX016735.D (-719) (-)

Ion 76.90 (76.60 to 77.60): VX016735.D (-719) (-)



#38

Carbon Tetrachloride

Concen: 5.969 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016735.D

Acq: 12 Jun 2020 17:49

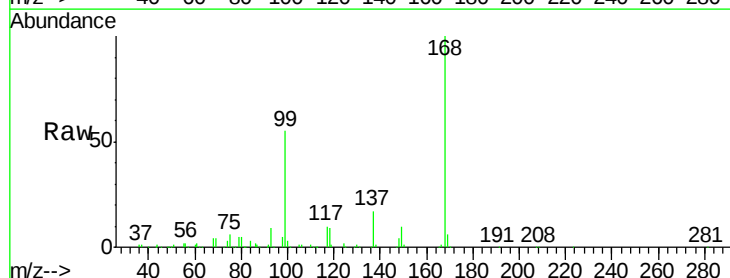
Tgt Ion: 117 Resp: 21118

Ion Ratio Lower Upper

117 100

119 7.8 76.3 114.5#

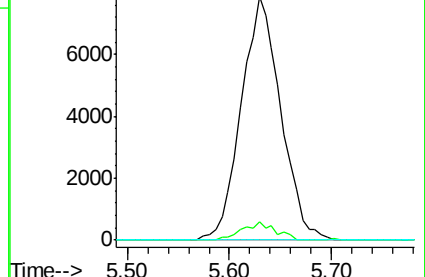
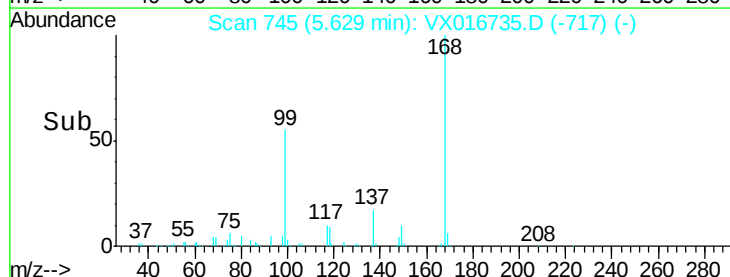
121 0.0 24.6 37.0#

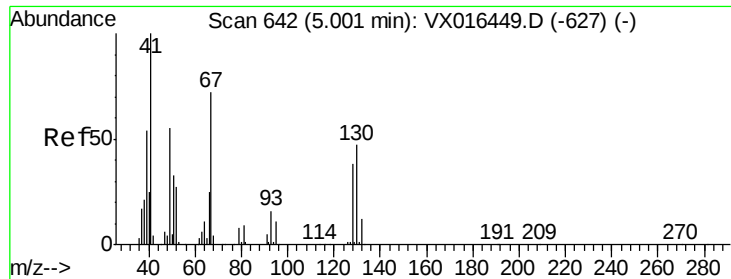


Abundance Ion 116.80 (116.50 to 117.50): VX016735.D (-717) (-)

Ion 118.80 (118.50 to 119.50): VX016735.D (-717) (-)

Ion 120.80 (120.50 to 121.50): VX016735.D (-717) (-)

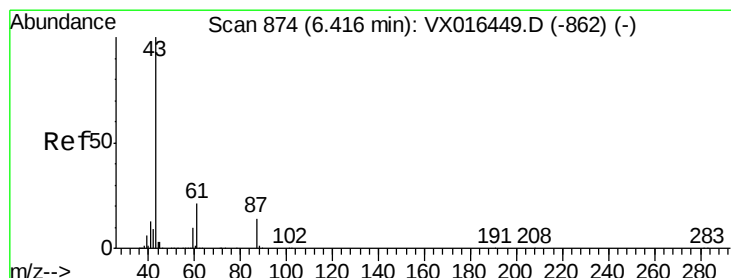
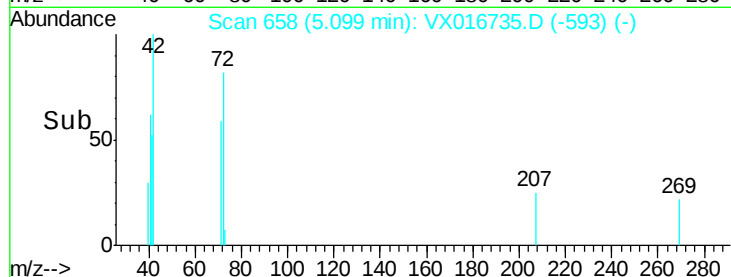
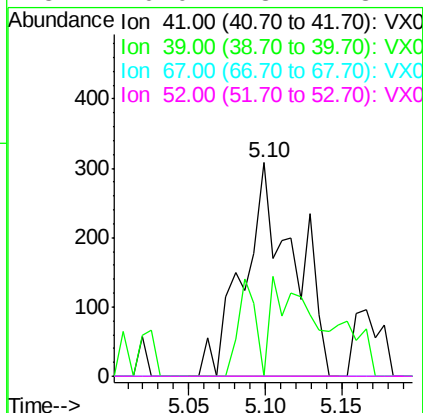
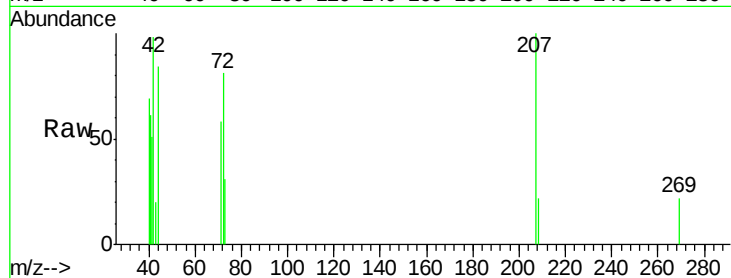




#41
Methacrylonitrile
Concen: 0.318 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.10 min
Lab File: VX016735.D
Acq: 12 Jun 2020 17:49

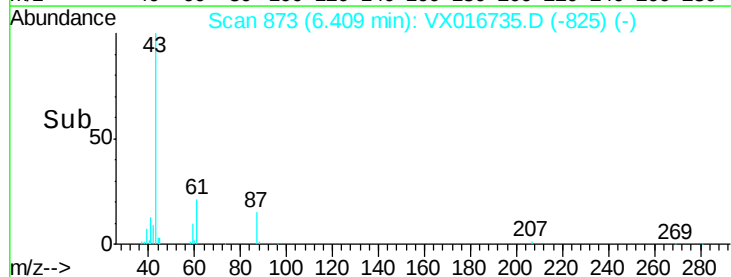
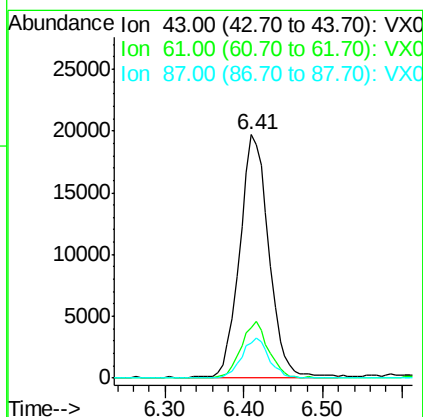
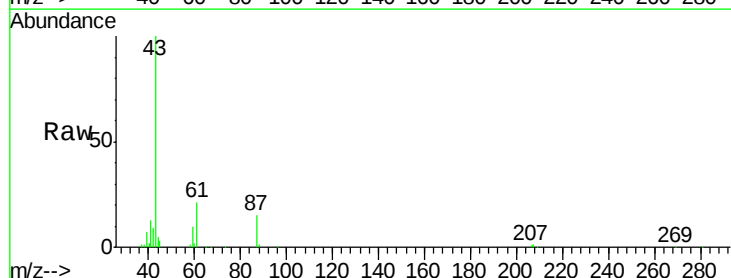
Instrument :
MSVOA_X
ClientSampleId :

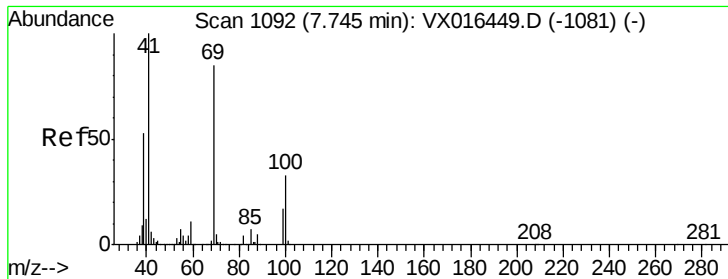
Tot Ion:	41	Resp:	706
Ion	Ratio	Lower	Upper
41	100		
39	35.6	43.0	64.4#
67	0.0	58.9	88.3#
52	0.0	23.1	34.7#



#43
Isopropyl Acetate
Concen: 8.094 ug/l
RT: 6.41 min Scan# 873
Delta R.T. -0.01 min
Lab File: VX016735.D
Acq: 12 Jun 2020 17:49

Tgt Ion:	43	Resp:	51034
Ion	Ratio	Lower	Upper
43	100		
61	21.2	16.8	25.2
87	15.2	11.2	16.8





#48

Methvl methacrylate

Concen: 0.991 ug/l

RT: 7.66 min Scan# 1078

Delta R.T. -0.09 min

Lab File: VX016735.D

Acq: 12 Jun 2020 17:49

Instrument :

MSVOA_X

ClientSampleId :

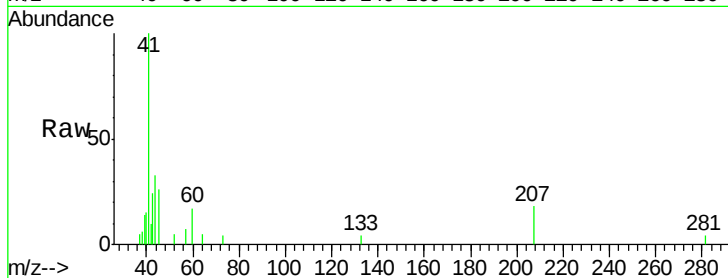
Tot Ion: 41 Resp: 2991

Ion Ratio Lower Upper

41 100

69 0.0 68.6 102.8#

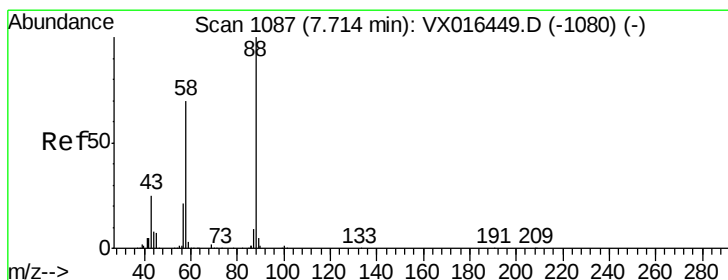
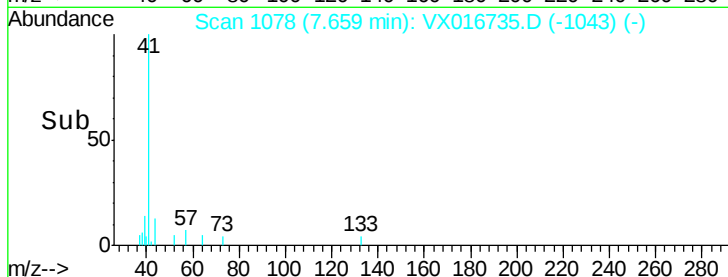
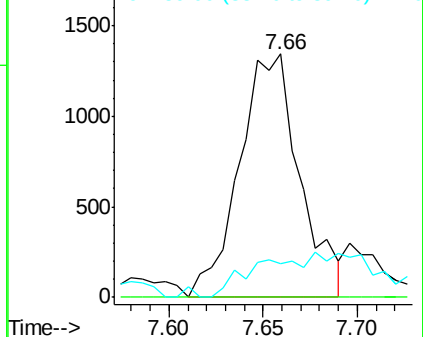
39 0.0 42.4 63.6#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#49

1,4-Dioxane

Concen: 0.340 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. 0.03 min

Lab File: VX016735.D

Acq: 12 Jun 2020 17:49

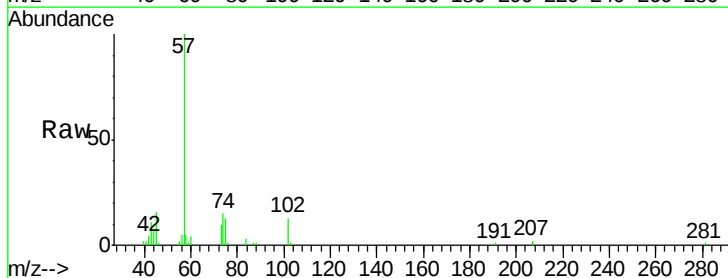
Tgt Ion: 88 Resp: 24

Ion Ratio Lower Upper

88 100

43 0.0 24.2 36.4#

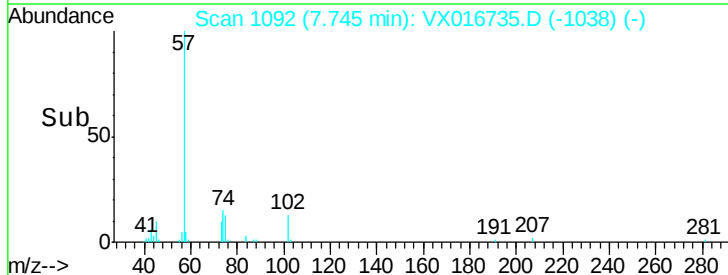
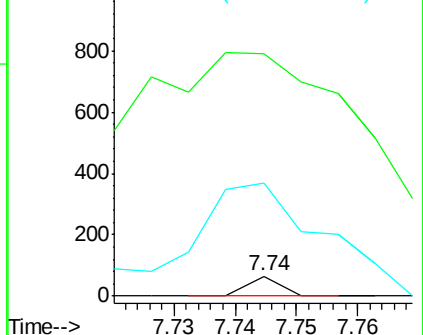
58 2095.8 56.5 84.7#

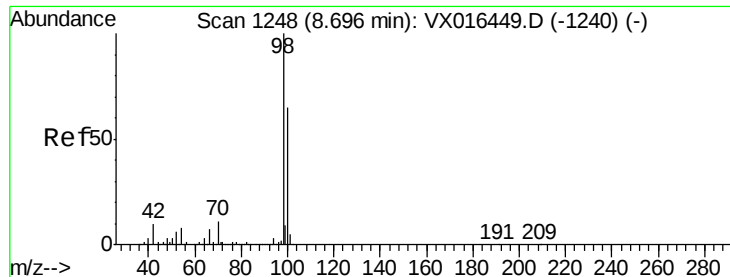


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

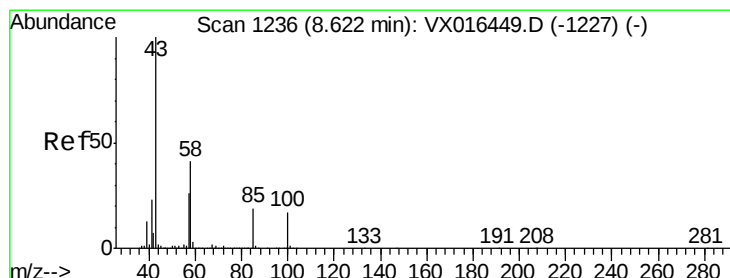
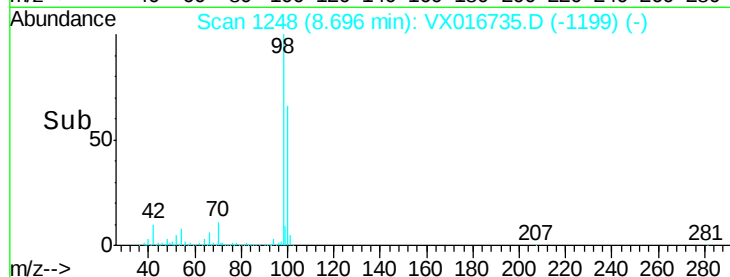
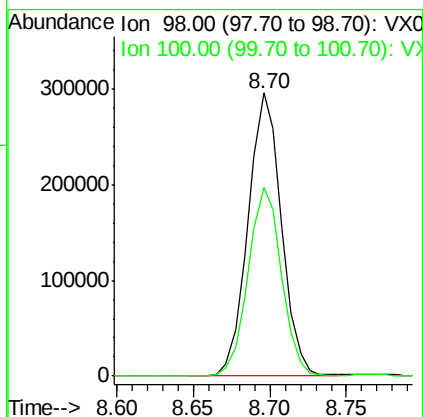
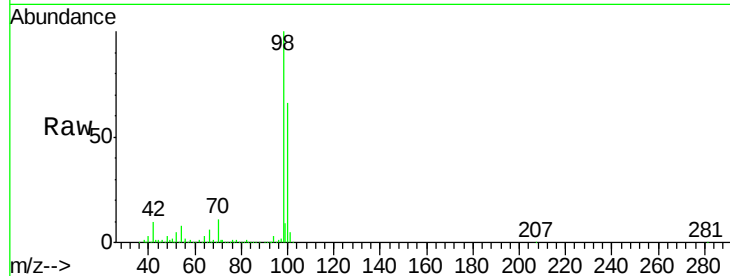




#50
Toluene-d8
Concen: 52.637 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX016735.D
Acq: 12 Jun 2020 17:49

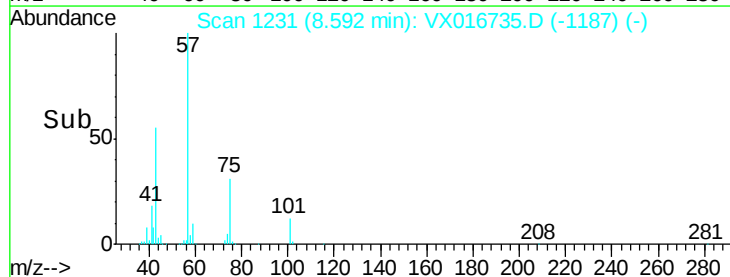
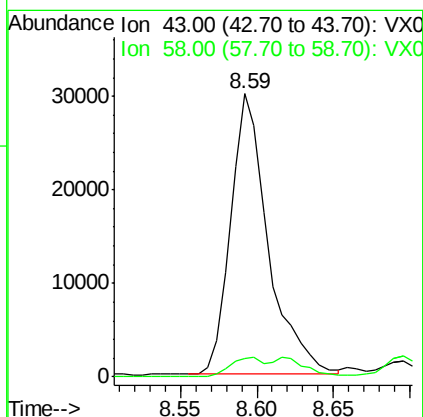
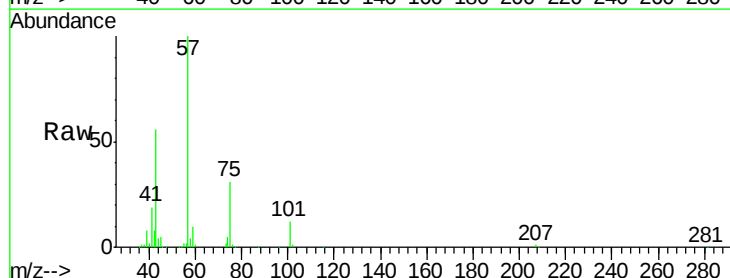
Instrument :
MSVOA_X
ClientSampleId :

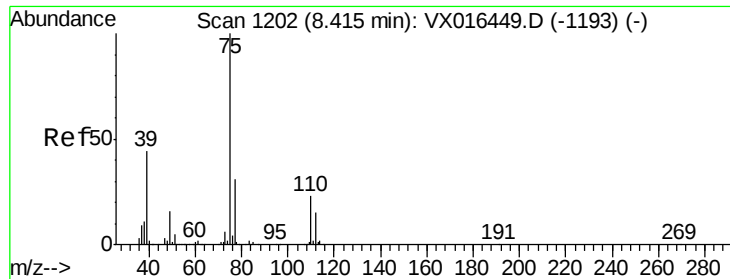
Tot Ion: 98 Resp: 448580
Ion Ratio Lower Upper
98 100
100 66.6 53.8 80.6



#51
4-Methyl-2-Pentanone
Concen: 13.043 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. -0.03 min
Lab File: VX016735.D
Acq: 12 Jun 2020 17:49

Tgt Ion: 43 Resp: 51207
Ion Ratio Lower Upper
43 100
58 6.1 33.0 49.6#



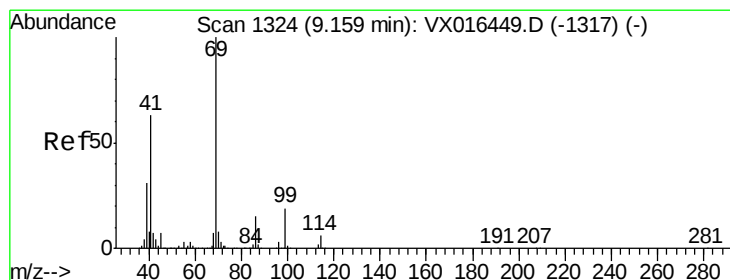
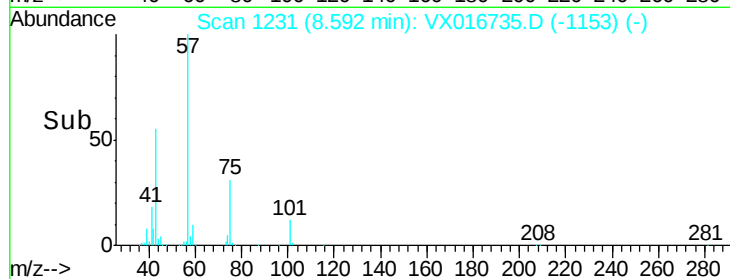
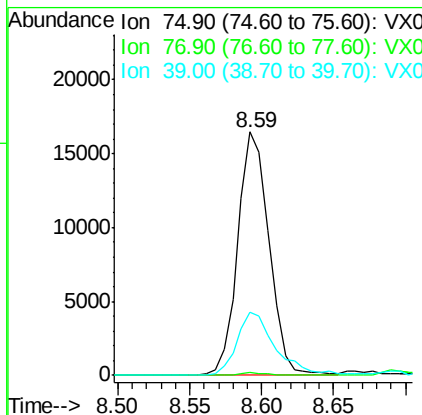
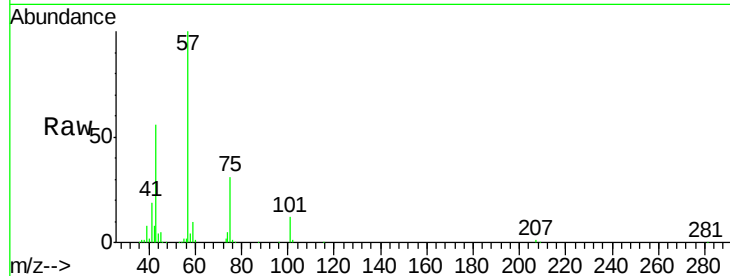


#54

cis-1,3-Dichloropropene
 Concen: 5.836 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX016735.D
 Acq: 12 Jun 2020 17:49

Instrument :
 MSVOA_X
 ClientSampleId :

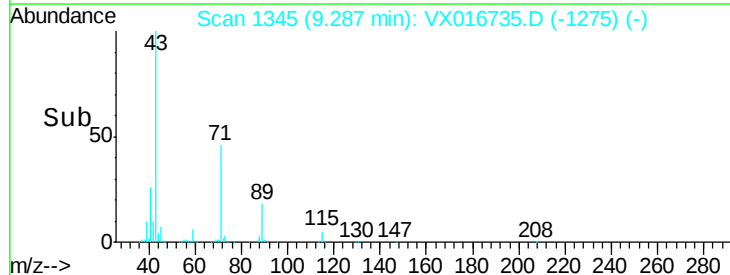
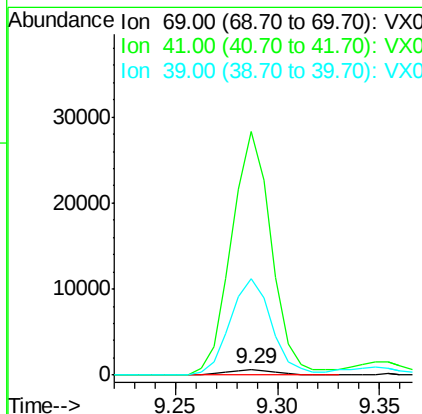
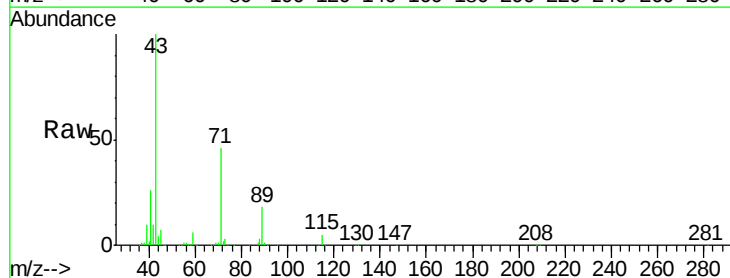
Tot Ion	Ratio	Lower	Upper
75	100		
77	1.0	24.6	36.8#
39	26.2	35.3	52.9#

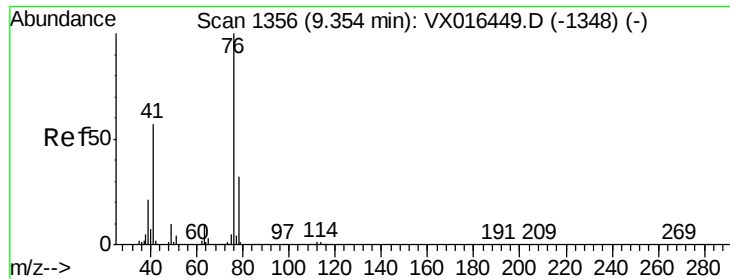


#56

Ethyl methacrylate
 Concen: 0.259 ug/l
 RT: 9.29 min Scan# 1345
 Delta R.T. 0.13 min
 Lab File: VX016735.D
 Acq: 12 Jun 2020 17:49

Tgt Ion	Ratio	Lower	Upper
69	100		
41	3667.5	50.7	76.1#
39	1504.2	25.8	38.6#





#57

1,3-Dichloropropane

Concen: 0.851 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

Lab File: VX016735.D

Acq: 12 Jun 2020 17:49

Instrument :

MSVOA_X

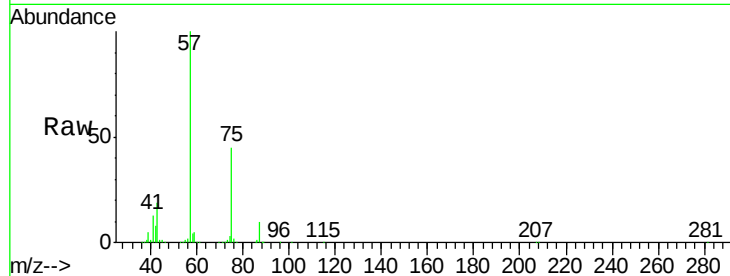
ClientSampleId :

Tot Ion: 76 Resp: 3674

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.4#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.52

3000

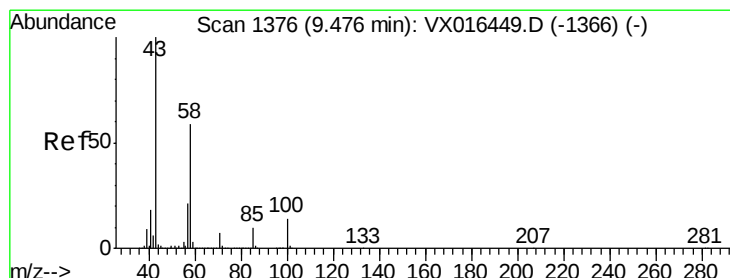
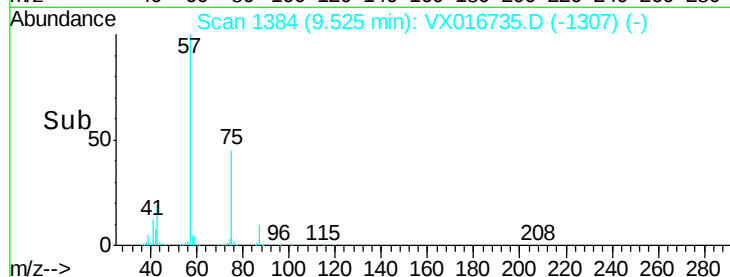
2000

1000

0

9.50 9.55

Time-->



#59

2-Hexanone

Concen: 15.184 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.05 min

Lab File: VX016735.D

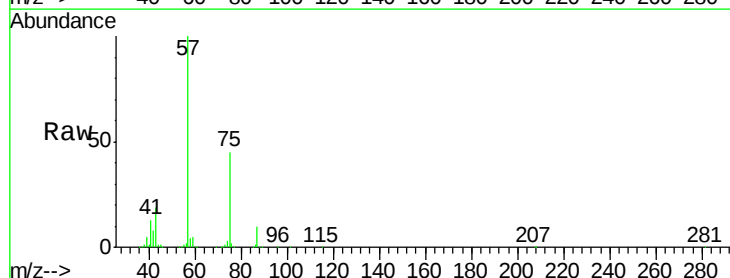
Acq: 12 Jun 2020 17:49

Tgt Ion: 43 Resp: 46356

Ion Ratio Lower Upper

43 100

58 20.2 28.8 86.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.52

40000

30000

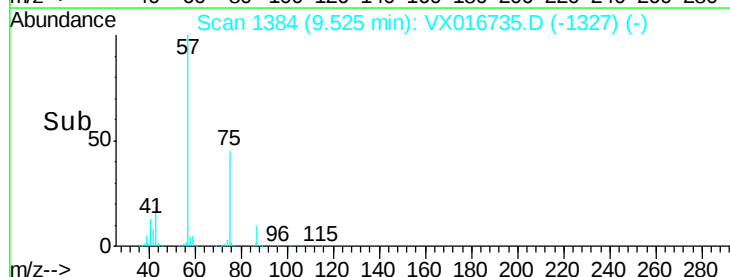
20000

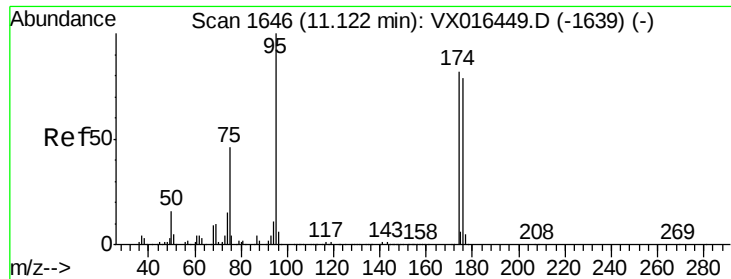
10000

0

9.45 9.50 9.55 9.60

Time-->





#62

4-Bromofluorobenzene

Concen: 52.319 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016735.D

Acq: 12 Jun 2020 17:49

Instrument :

MSVOA_X

ClientSampleId :

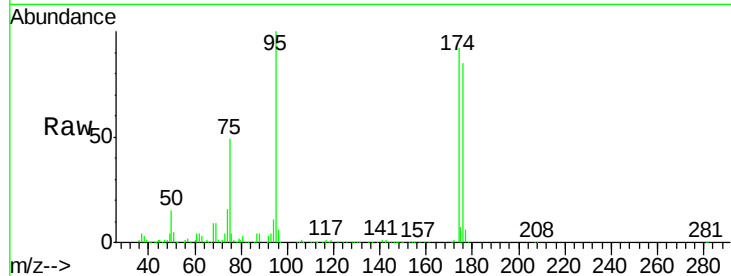
Tot Ion: 95 Resp: 172285

Ion Ratio Lower Upper

95 100

174 89.9 0.0 163.0

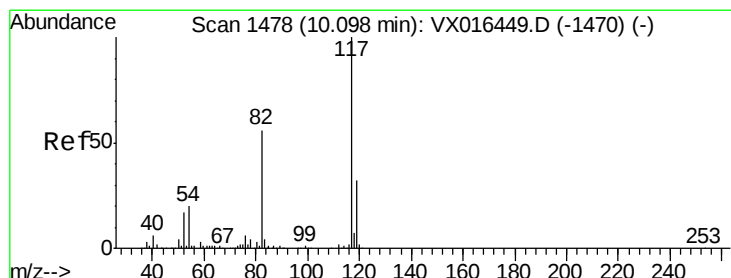
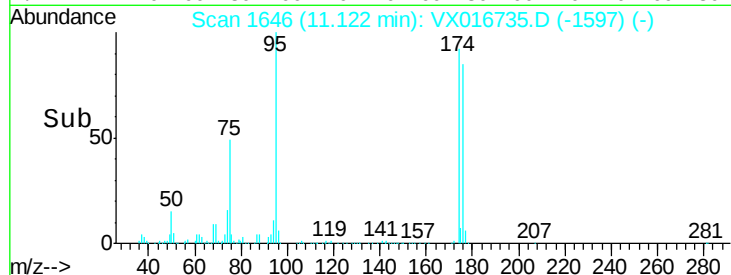
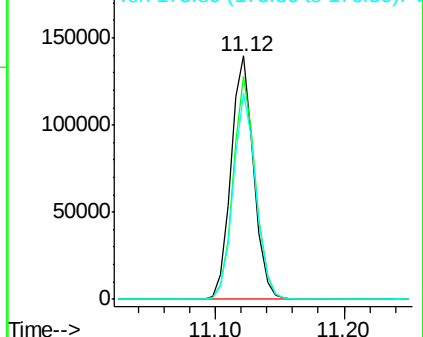
176 84.7 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VX016449.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX016449.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX016449.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX016735.D

Acq: 12 Jun 2020 17:49

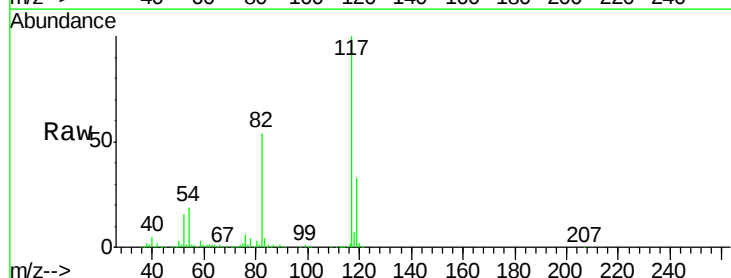
Tgt Ion: 117 Resp: 367981

Ion Ratio Lower Upper

117 100

82 54.1 45.0 67.6

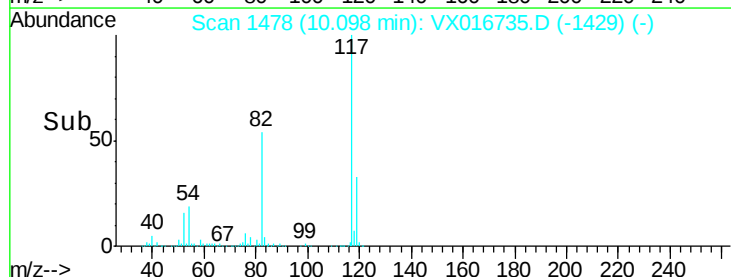
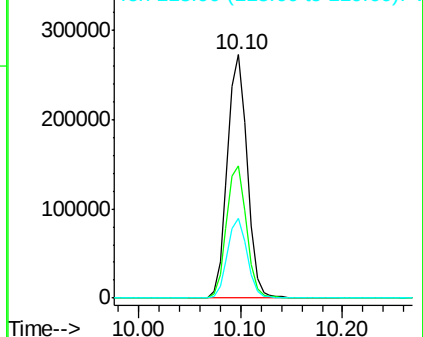
119 32.6 25.8 38.8

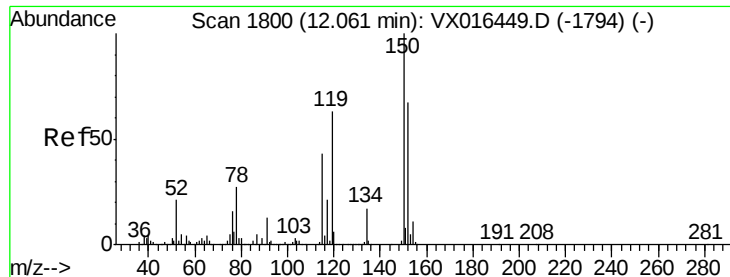


Abundance Ion 116.90 (116.60 to 117.60): VX016449.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX016449.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX016449.D (-1470) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX016735.D

Acq: 12 Jun 2020 17:49

Instrument :

MSVOA_X

ClientSampleId :

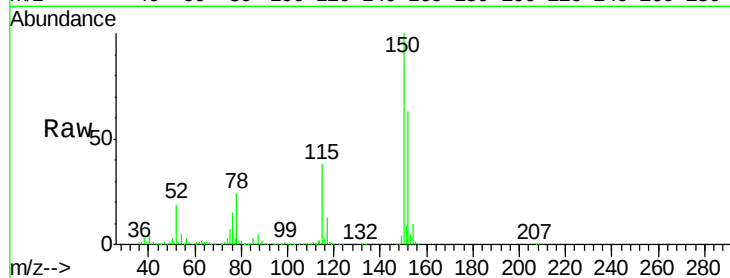
Tot Ion:152 Resp: 183937

Ion Ratio Lower Upper

152 100

115 58.1 39.9 119.6

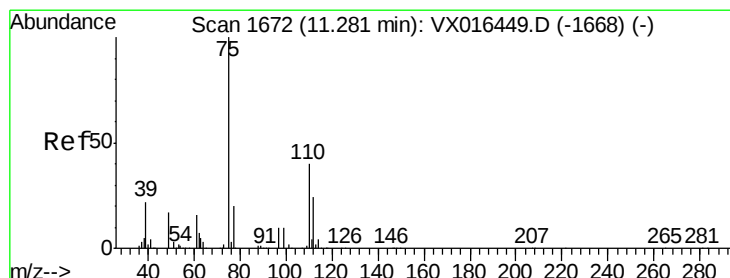
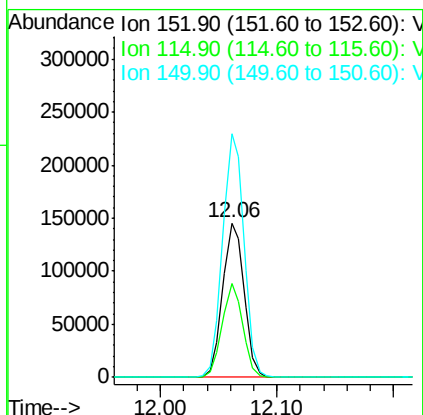
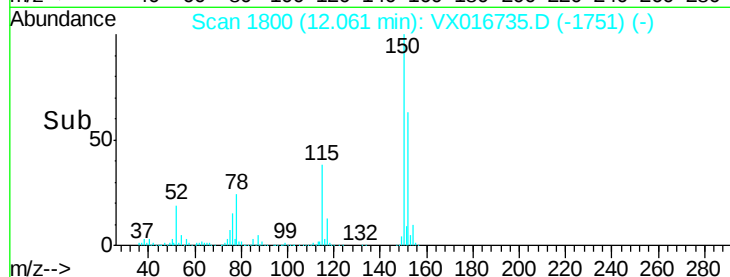
150 157.4 0.0 341.0



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: 20.839 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016735.D

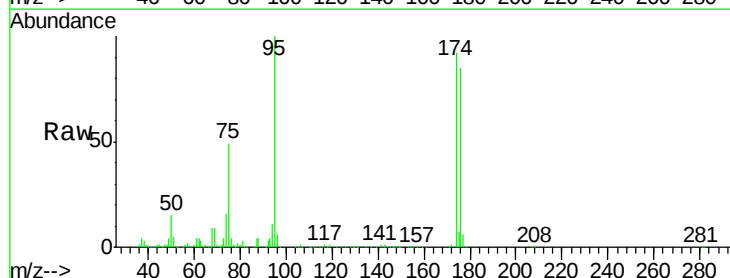
Acq: 12 Jun 2020 17:49

Tgt Ion: 75 Resp: 84254

Ion Ratio Lower Upper

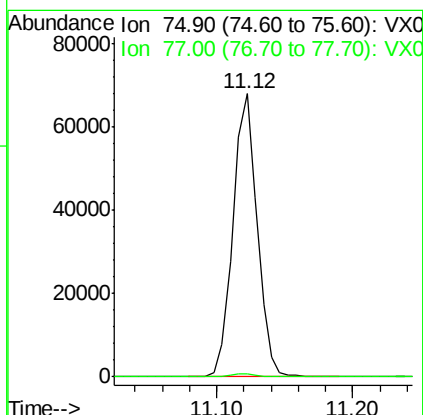
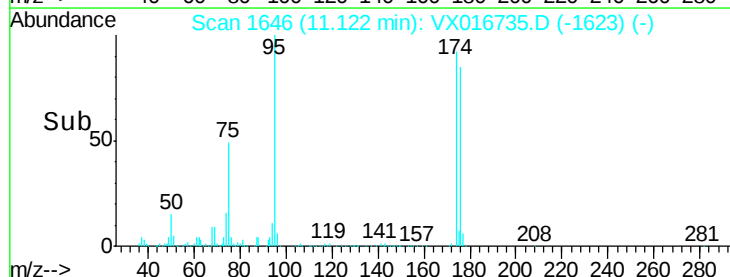
75 100

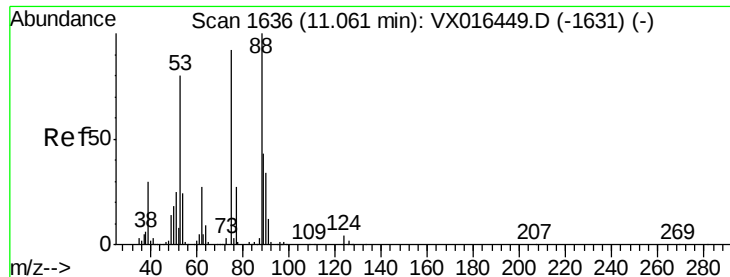
77 1.3 21.3 63.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 51.262 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016735.D

Acq: 12 Jun 2020 17:49

Instrument :

MSVOA_X

ClientSampleId :

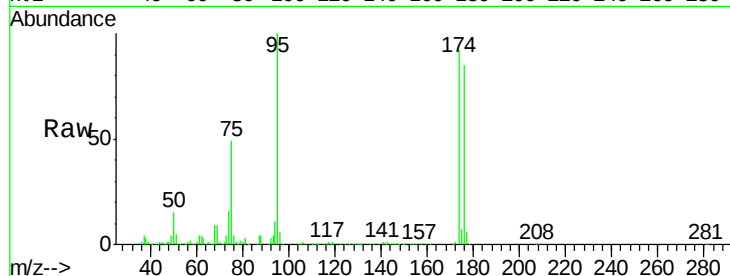
Tot Ion: 75 Resp: 84254

Ion Ratio Lower Upper

75 100

53 0.2 71.3 106.9#

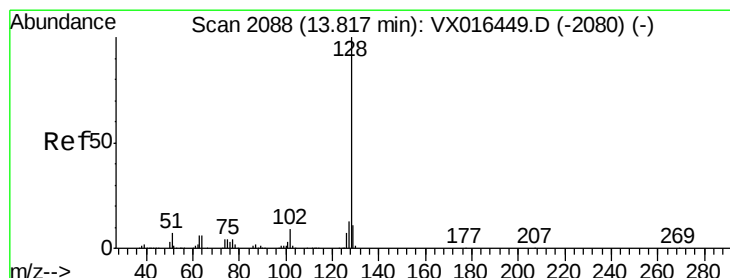
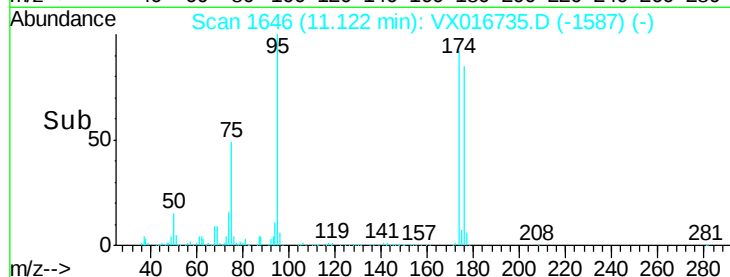
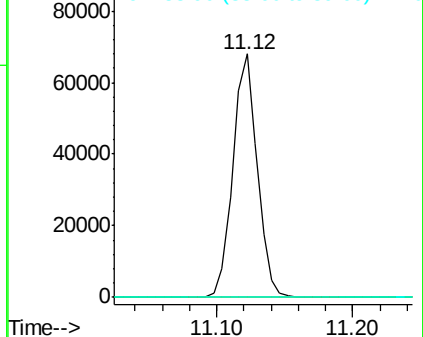
89 0.0 36.6 55.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#95

Naphthalene

Concen: 10.102 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX016735.D

Acq: 12 Jun 2020 17:49

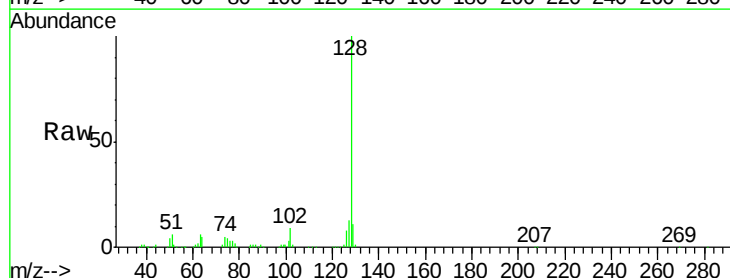
Tgt Ion: 128 Resp: 129043

Ion Ratio Lower Upper

128 100

127 13.4 10.6 15.8

129 10.7 8.6 13.0



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

