

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120420\
 Data File : VX019737.D
 Acq On : 04 Dec 2020 23:10
 Operator : JC/MD
 Sample : L4953-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ID039-39-6147-120220

Quant Time: Dec 05 03:55:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	345911	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	568594	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	507933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	229148	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	212571	46.76	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.52%
35) Dibromofluoromethane	5.46	113	171387	46.64	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.28%
50) Toluene-d8	8.70	98	682086	48.62	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.24%
62) 4-Bromofluorobenzene	11.12	95	245783	46.03	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	92.06%

Target Compounds

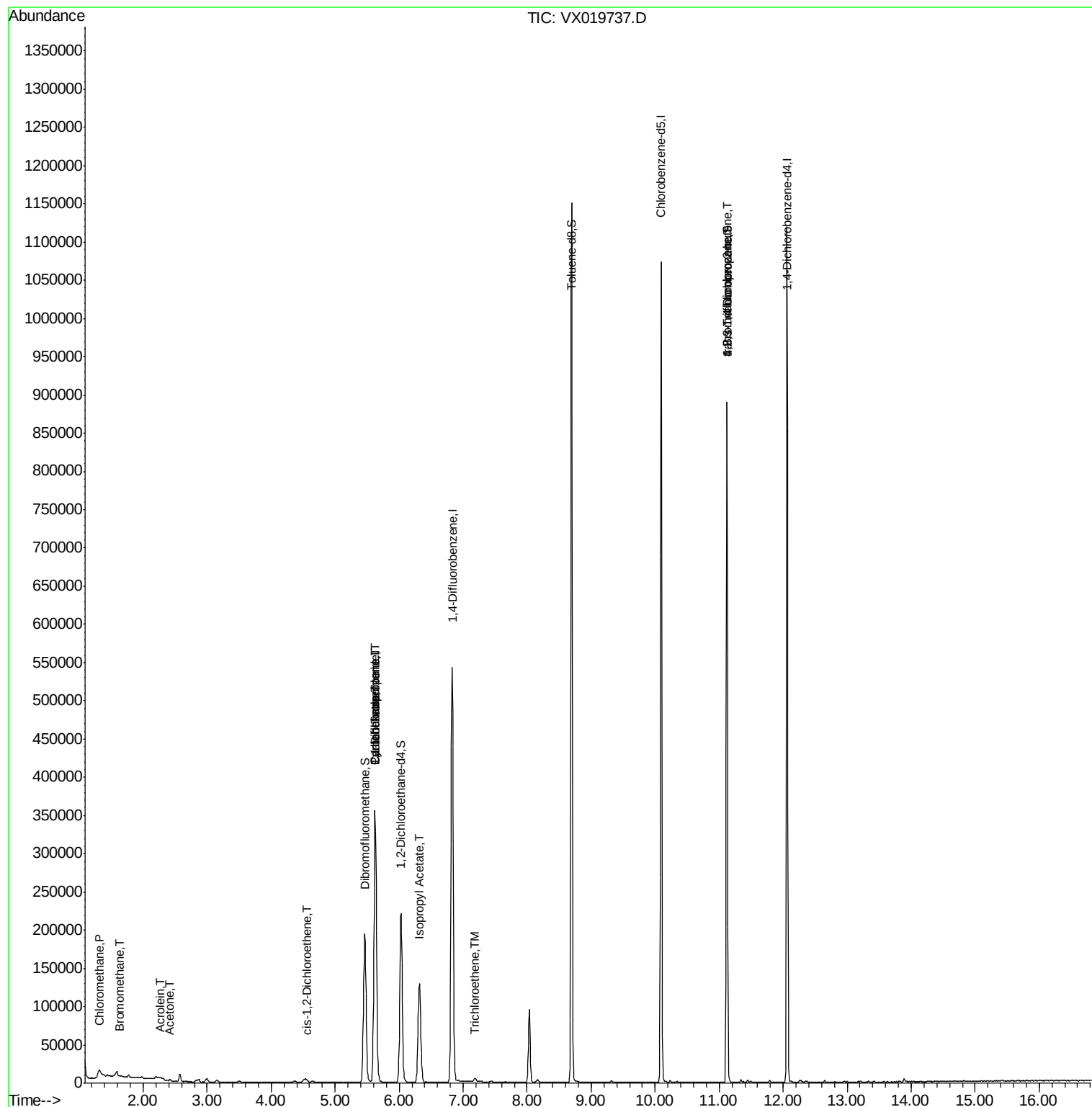
					Qvalue
3) Chloromethane	1.31	50	1019	0.274 ug/l	95
5) Bromomethane	1.63	94	535	0.410 ug/l	81
13) Acrolein	2.27	56	173	0.345 ug/l #	14
16) Acetone	2.42	43	1938	1.134 ug/l	99
20) Methylene Chloride	2.84	84	586	Below Cal #	82
27) cis-1,2-Dichloroethene	4.56	96	945	0.219 ug/l	88
31) Cyclohexane	5.62	56	6525	1.154 ug/l #	1
36) 1,1-Dichloropropene	5.62	75	25926	5.046 ug/l #	49
38) Carbon Tetrachloride	5.62	117	33344	6.627 ug/l #	16
43) Isopropyl Acetate	6.32	43	28842	3.420 ug/l #	57
44) Trichloroethene	7.18	130	1188	0.288 ug/l	79
76) 1,2,3-Trichloropropane	11.12	75	119783	23.307 ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	119783	67.376 ug/l #	12

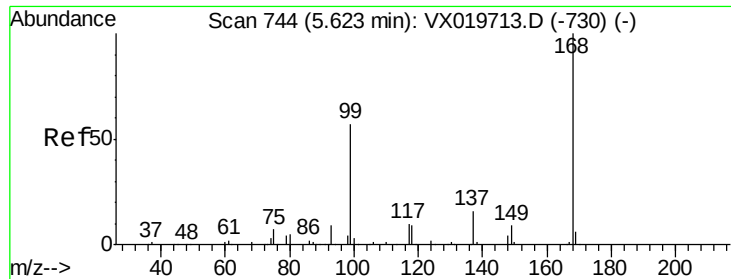
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 04 15:32:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX019737.D

Acq: 04 Dec 2020 23:10

Instrument :

MSVOA_X

ClientSampleId :

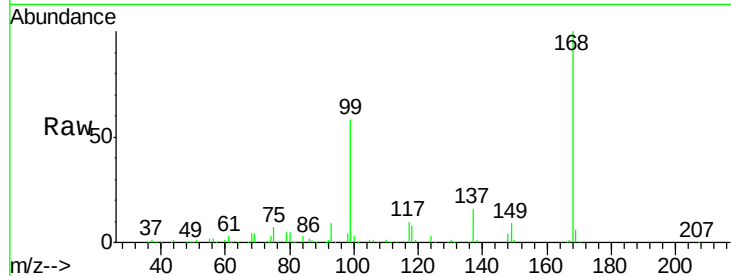
ID039-39-6147-120220

Tot Ion:168 Resp: 345911

Ion Ratio Lower Upper

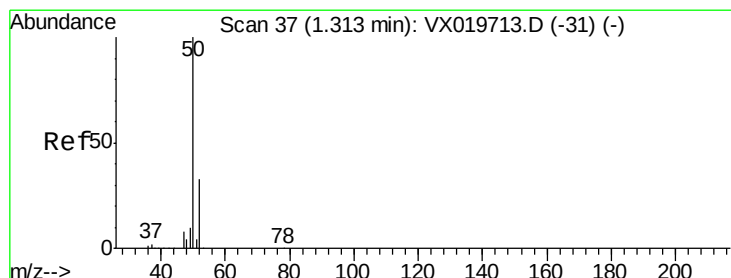
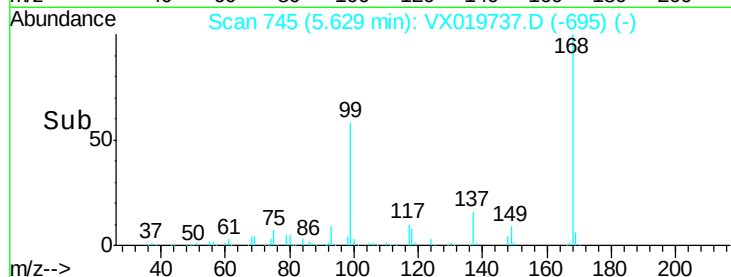
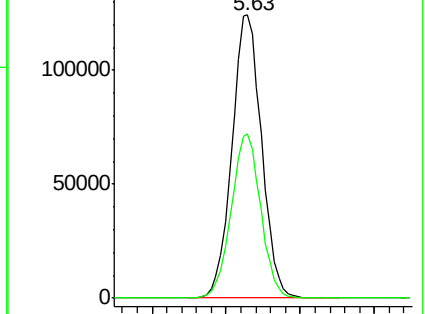
168 100

99 58.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.274 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019737.D

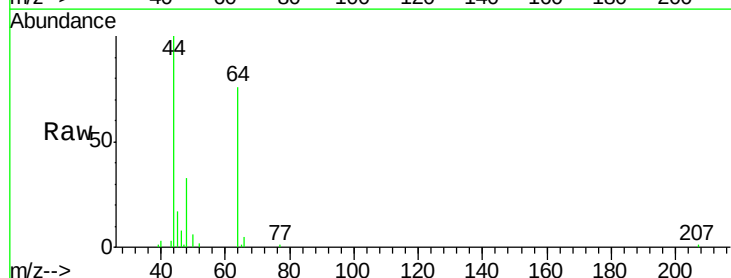
Acq: 04 Dec 2020 23:10

Tgt Ion: 50 Resp: 1019

Ion Ratio Lower Upper

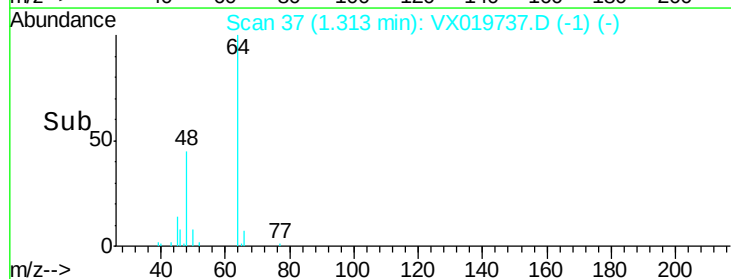
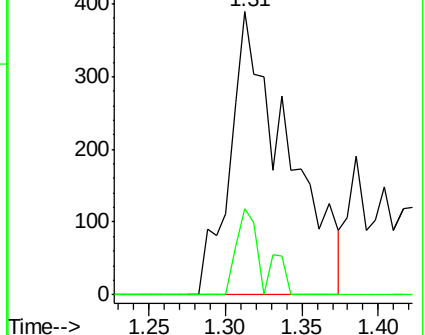
50 100

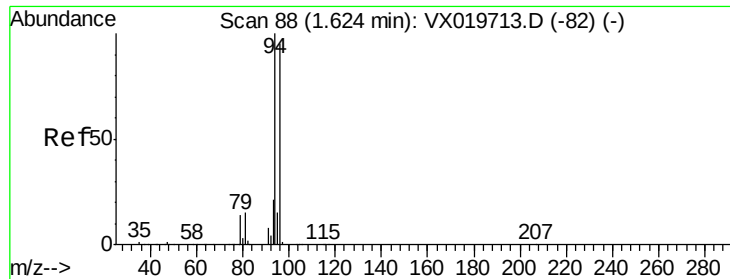
52 30.3 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.410 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX019737.D

Acq: 04 Dec 2020 23:10

Instrument :

MSVOA_X

ClientSampleId :

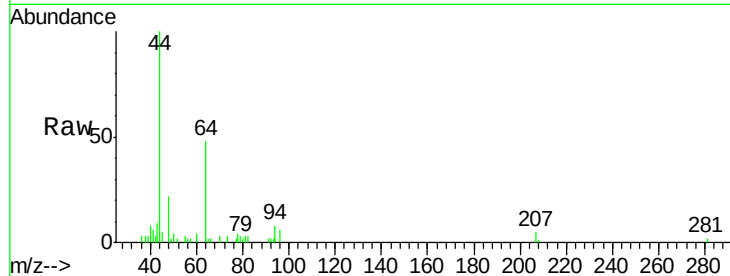
ID039-39-6147-120220

Tot Ion: 94 Resp: 535

Ion Ratio Lower Upper

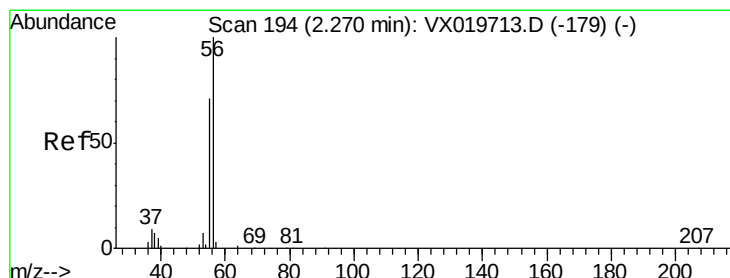
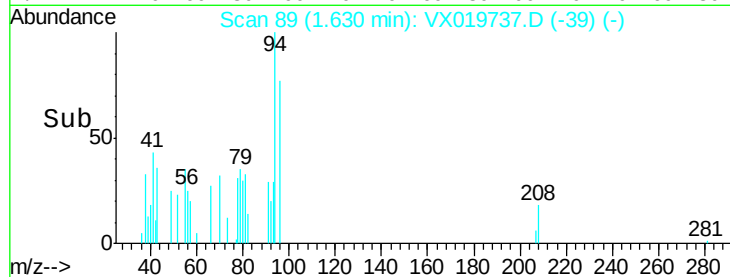
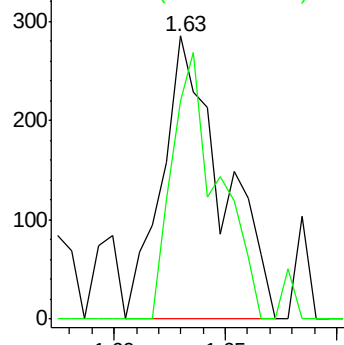
94 100

96 76.8 76.4 114.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#13

Acrolein

Concen: 0.345 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX019737.D

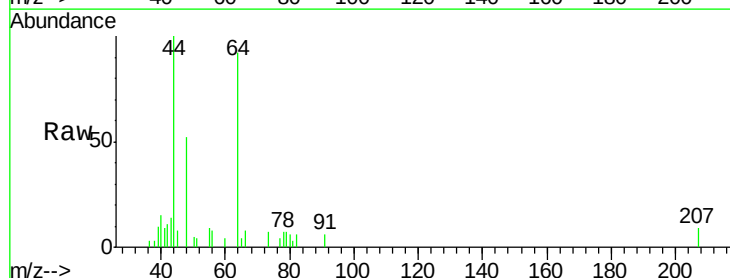
Acq: 04 Dec 2020 23:10

Tgt Ion: 56 Resp: 173

Ion Ratio Lower Upper

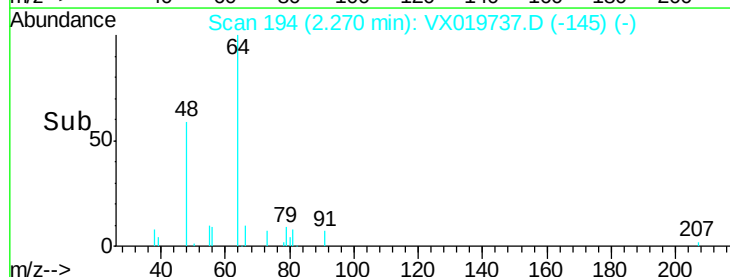
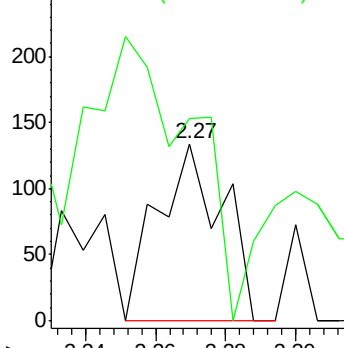
56 100

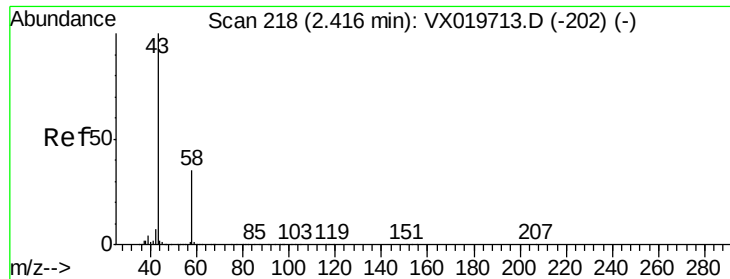
55 0.0 56.4 84.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 1.134 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX019737.D

Acq: 04 Dec 2020 23:10

Instrument :

MSVOA_X

ClientSampleId :

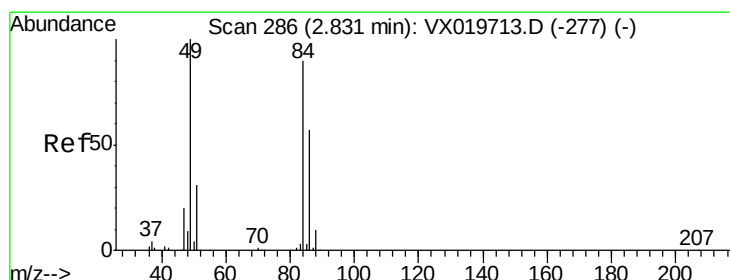
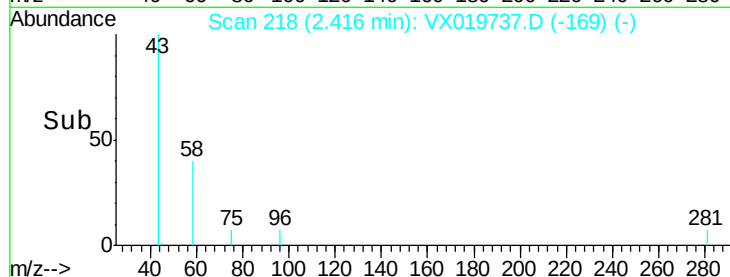
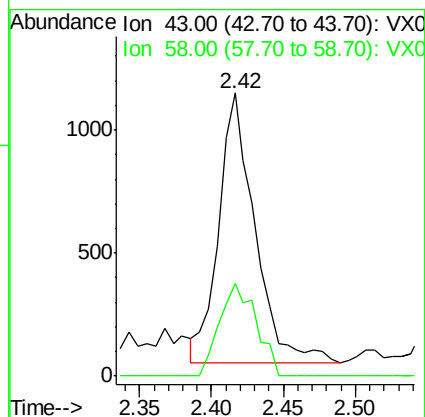
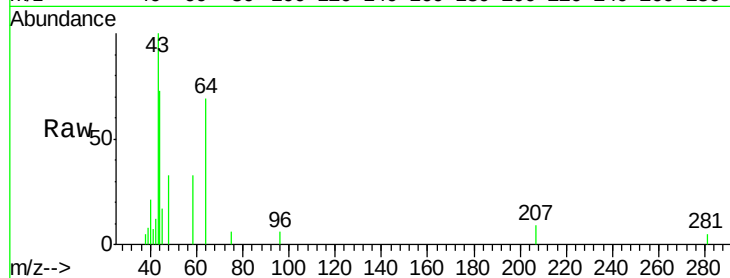
ID039-39-6147-120220

Tot Ion: 43 Resp: 1938

Ion Ratio Lower Upper

43 100

58 34.3 27.8 41.8



#20

Methylene Chloride

Concen: Below Cal

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX019737.D

Acq: 04 Dec 2020 23:10

Tgt Ion: 84 Resp: 586

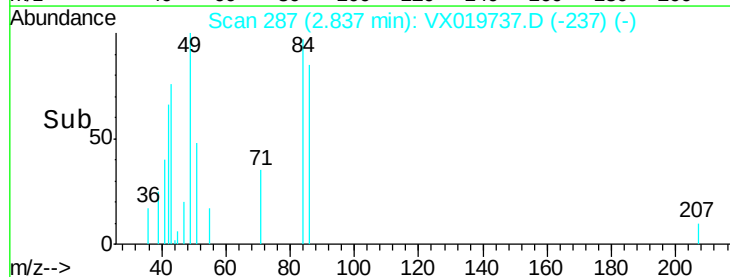
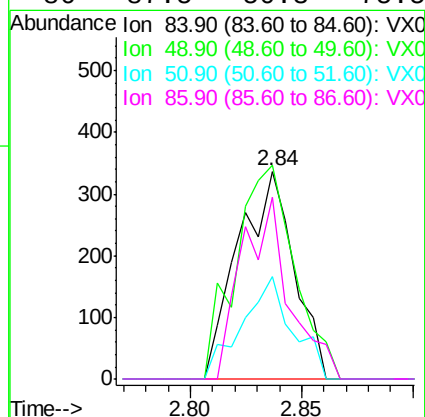
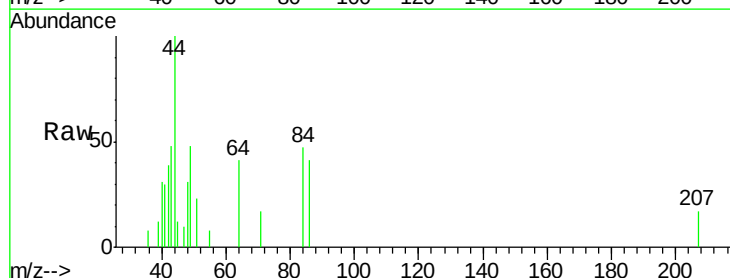
Ion Ratio Lower Upper

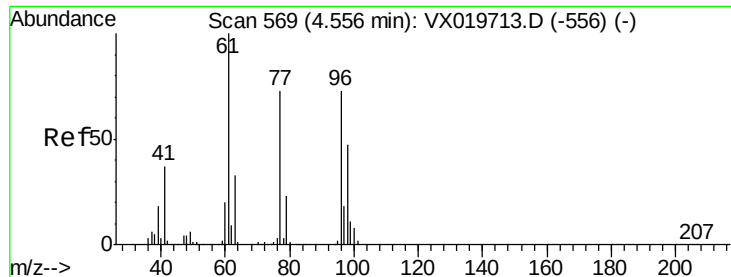
84 100

49 102.7 88.6 132.8

51 49.6 27.0 40.6#

86 87.5 50.3 75.5#





#27

cis-1,2-Dichloroethene

Concen: 0.219 ug/l

RT: 4.56 min Scan# 569

Delta R.T. -0.00 min

Lab File: VX019737.D

Acq: 04 Dec 2020 23:10

Instrument :

MSVOA_X

ClientSampleId :

ID039-39-6147-120220

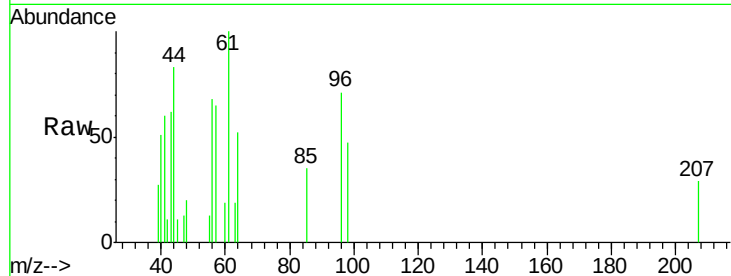
Tot Ion: 96 Resp: 945

Ion Ratio Lower Upper

96 100

61 122.1 0.0 285.6

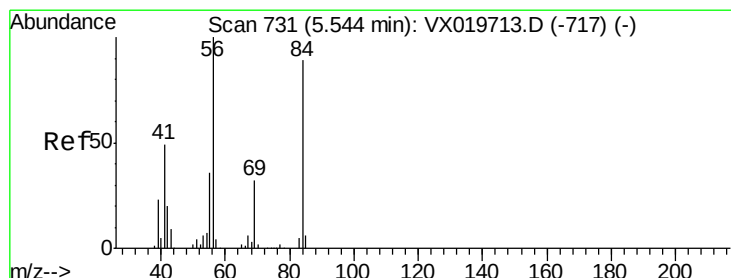
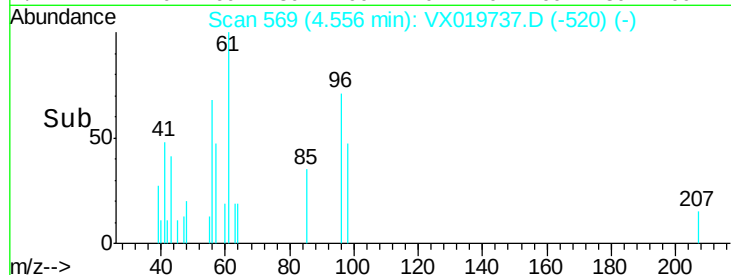
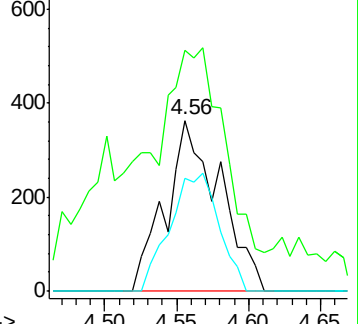
98 62.6 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#31

Cyclohexane

Concen: 1.154 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.08 min

Lab File: VX019737.D

Acq: 04 Dec 2020 23:10

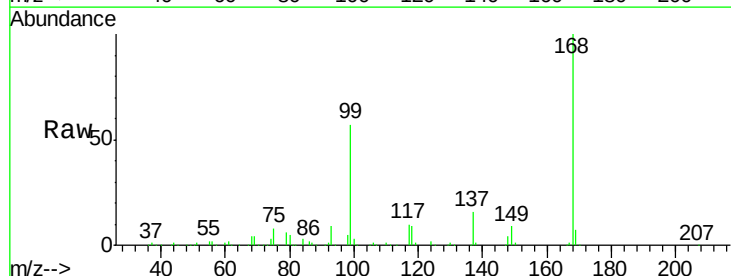
Tgt Ion: 56 Resp: 6525

Ion Ratio Lower Upper

56 100

69 192.9 25.3 37.9#

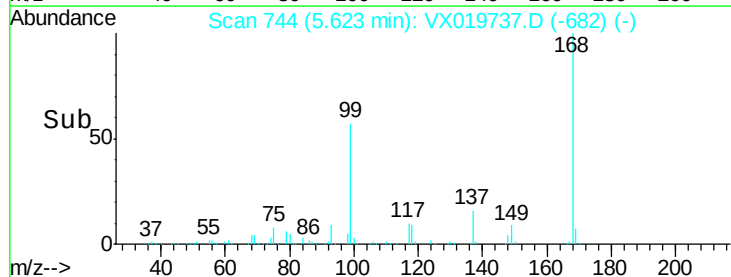
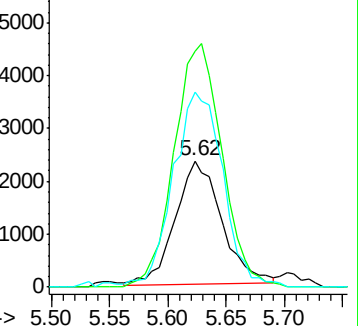
84 156.7 71.4 107.0#

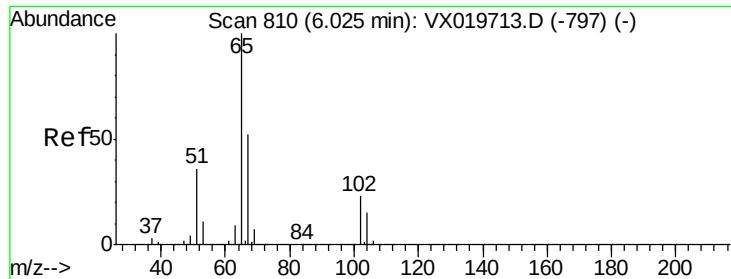


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

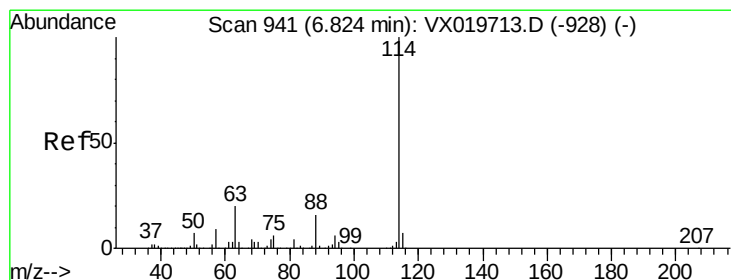
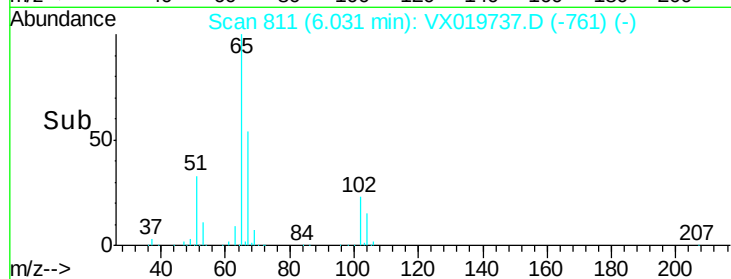
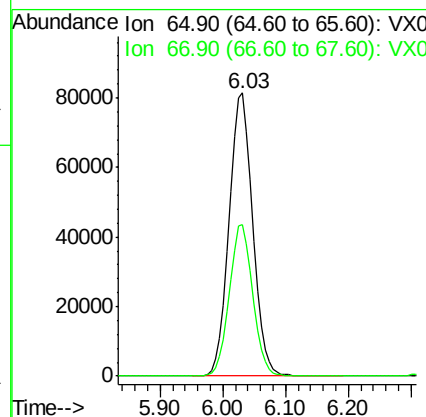
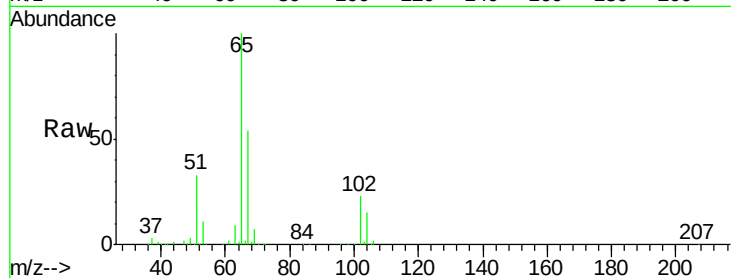




#33
 1,2-Dichloroethane-d4
 Concen: 46.757 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.01 min
 Lab File: VX019737.D
 Acq: 04 Dec 2020 23:10

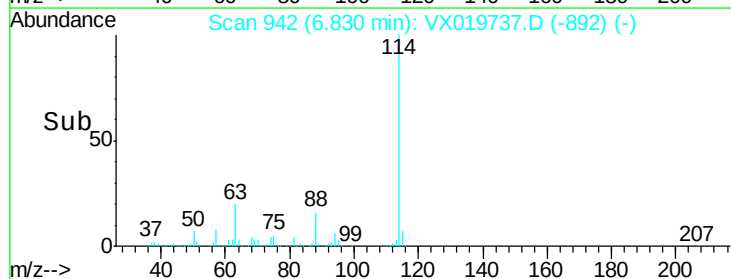
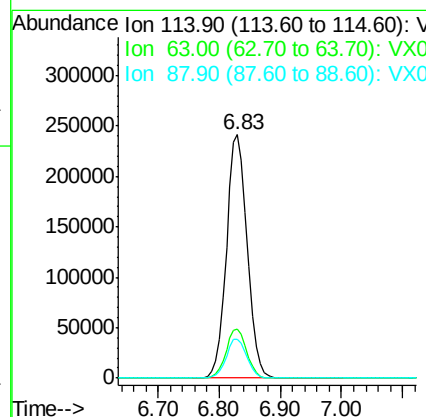
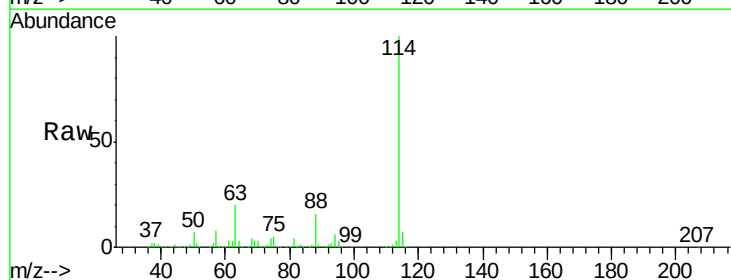
Instrument :
 MSVOA_X
 ClientSampleId :
 ID039-39-6147-120220

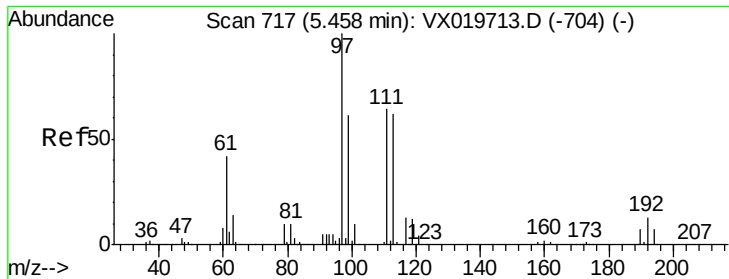
Tot Ion: 65 Resp: 212571
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VX019737.D
 Acq: 04 Dec 2020 23:10

Tgt Ion: 114 Resp: 568594
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.8
 88 16.1 0.0 32.8

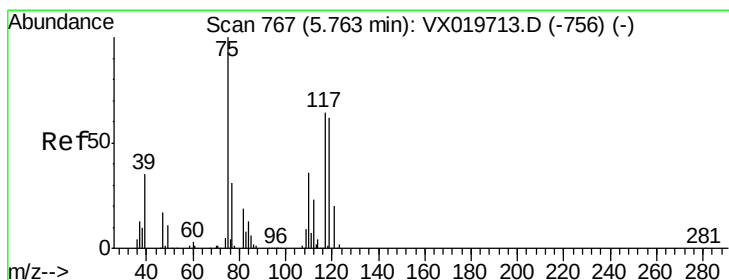
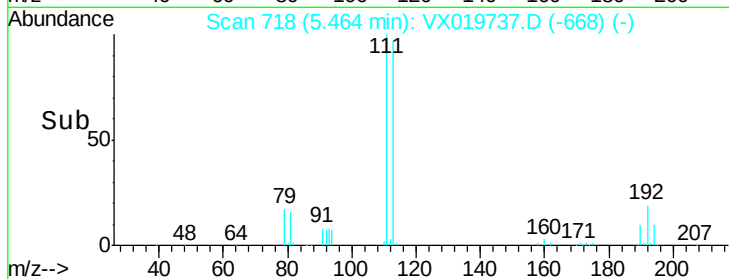
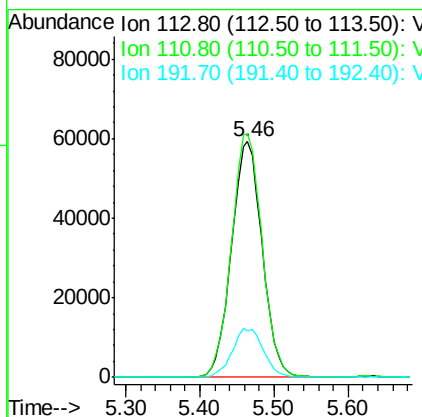
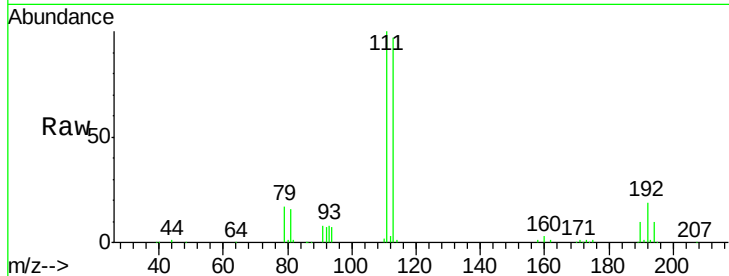




#35
 Dibromofluoromethane
 Concen: 46.639 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VX019737.D
 Acq: 04 Dec 2020 23:10

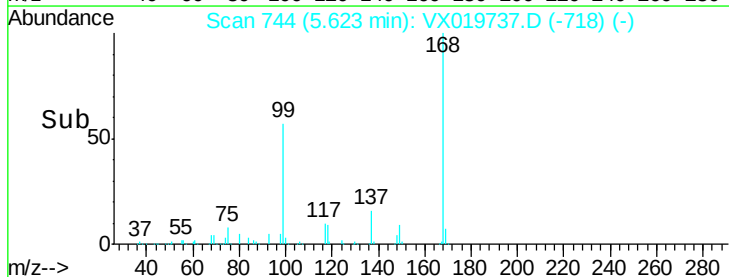
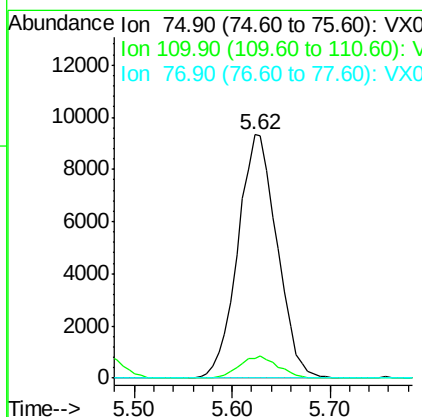
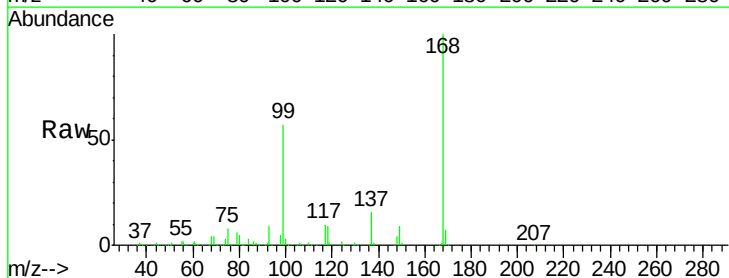
Instrument :
 MSVOA_X
 ClientSampleId :
 ID039-39-6147-120220

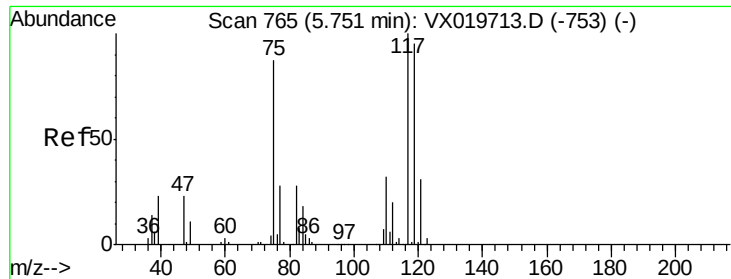
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.9	122.9
192	20.9	16.7	25.1



#36
 1,1-Dichloropropene
 Concen: 5.046 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.14 min
 Lab File: VX019737.D
 Acq: 04 Dec 2020 23:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.1	54.4#
77	0.0	25.3	37.9#





#38

Carbon Tetrachloride

Concen: 6.627 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX019737.D

Acq: 04 Dec 2020 23:10

Instrument :

MSVOA_X

ClientSampleId :

ID039-39-6147-120220

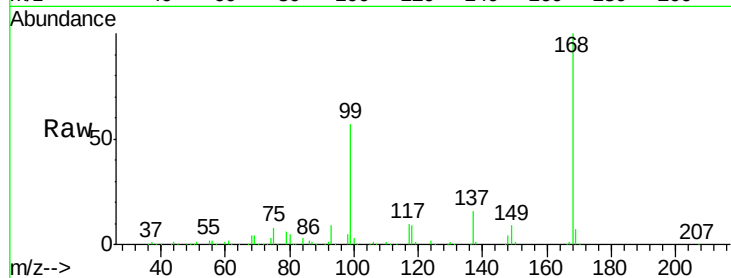
Tot Ion:117 Resp: 33344

Ion Ratio Lower Upper

117 100

119 5.3 76.2 114.2#

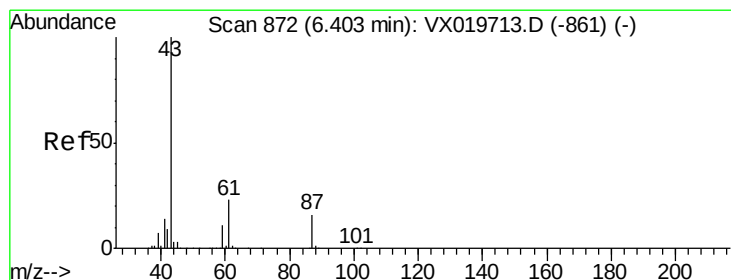
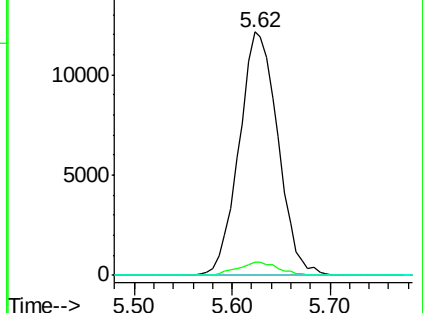
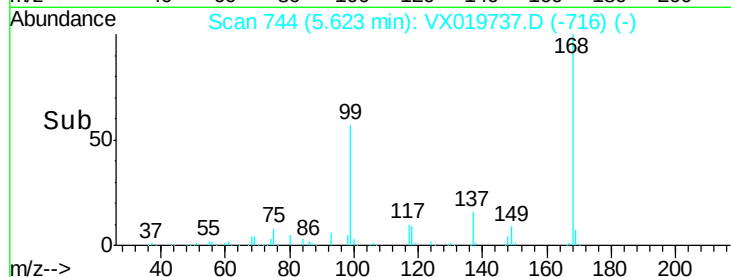
121 0.0 24.8 37.2#



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



#43

Isopropyl Acetate

Concen: 3.420 ug/l

RT: 6.32 min Scan# 858

Delta R.T. -0.09 min

Lab File: VX019737.D

Acq: 04 Dec 2020 23:10

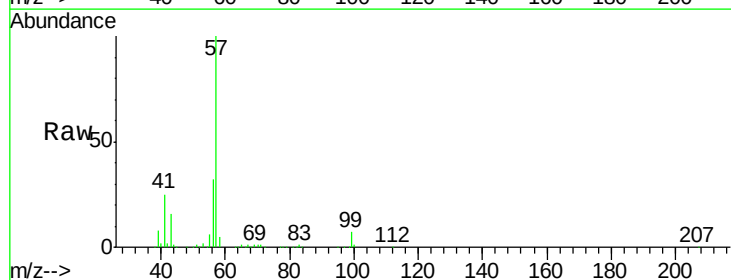
Tgt Ion: 43 Resp: 28842

Ion Ratio Lower Upper

43 100

61 0.0 18.2 27.4#

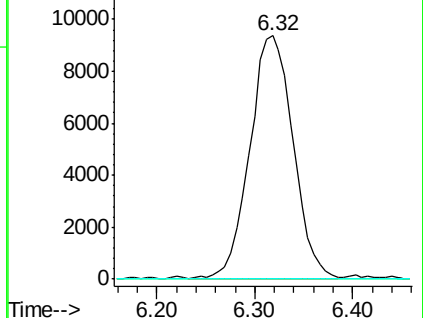
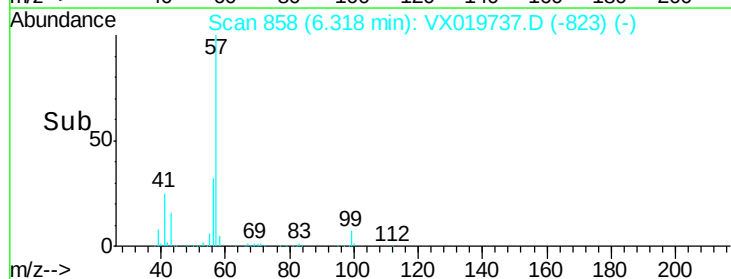
87 0.0 12.5 18.7#

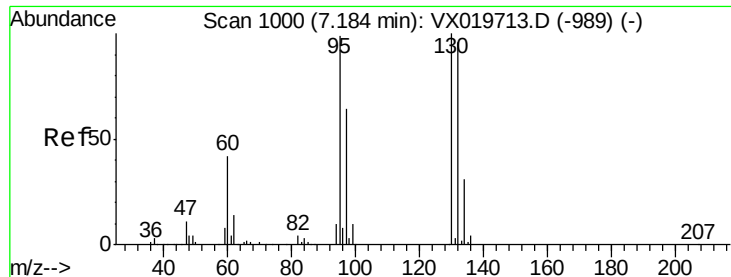


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

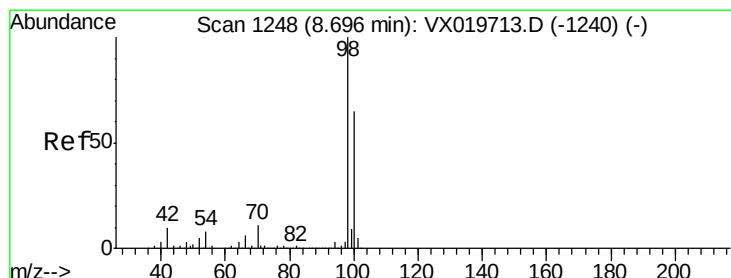
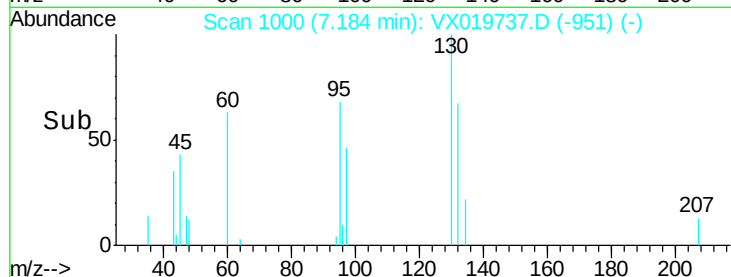
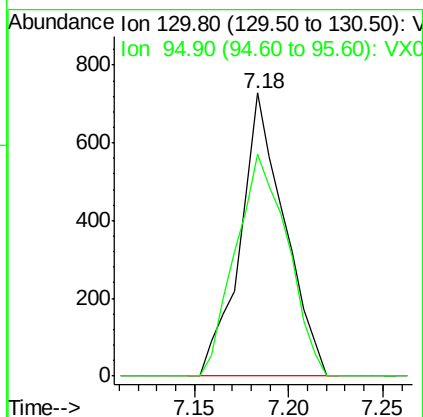
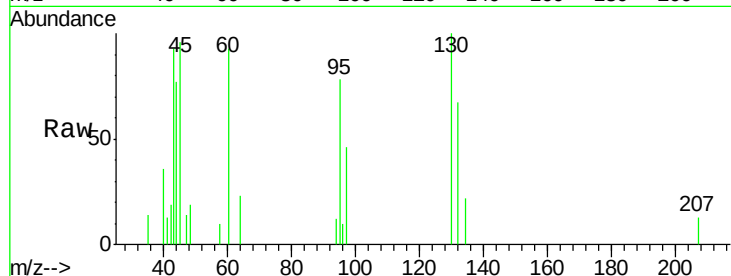




#44
 Trichloroethene
 Concen: 0.288 ug/l
 RT: 7.18 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: VX019737.D
 Acq: 04 Dec 2020 23:10

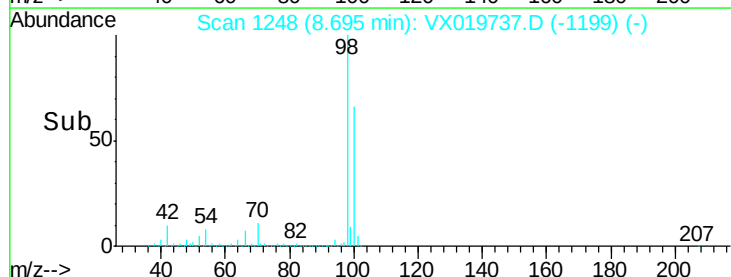
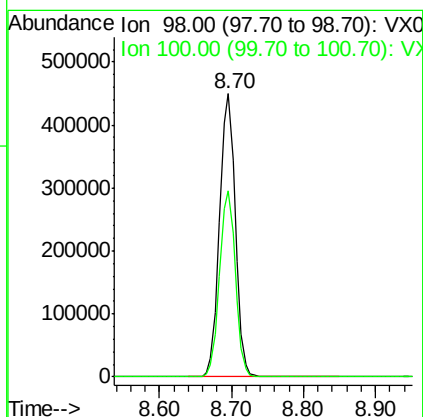
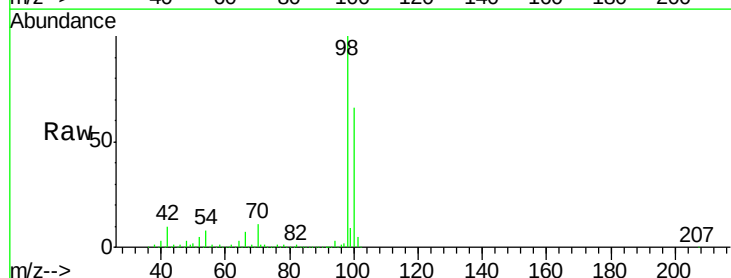
Instrument :
 MSVOA_X
 ClientSampleId :
 ID039-39-6147-120220

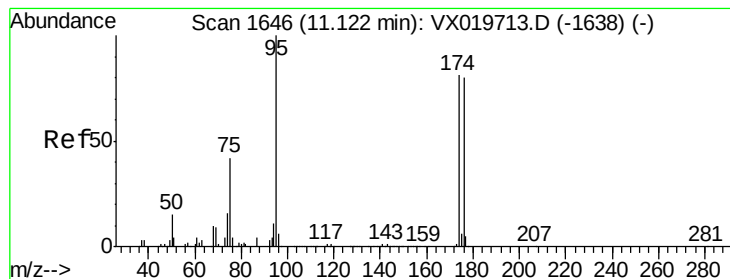
Tot Ion:130 Resp: 1188
 Ion Ratio Lower Upper
 130 100
 95 78.4 0.0 198.0



#50
 Toluene-d8
 Concen: 48.619 ug/l
 RT: 8.70 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VX019737.D
 Acq: 04 Dec 2020 23:10

Tgt Ion: 98 Resp: 682086
 Ion Ratio Lower Upper
 98 100
 100 66.0 51.9 77.9





#62

4-Bromofluorobenzene

Concen: 46.029 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019737.D

Acq: 04 Dec 2020 23:10

Instrument :

MSVOA_X

ClientSampleId :

ID039-39-6147-120220

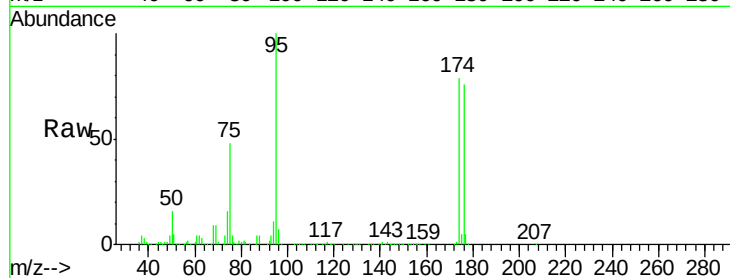
Tot Ion: 95 Resp: 245783

Ion Ratio Lower Upper

95 100

174 79.0 0.0 154.6

176 75.1 0.0 155.8

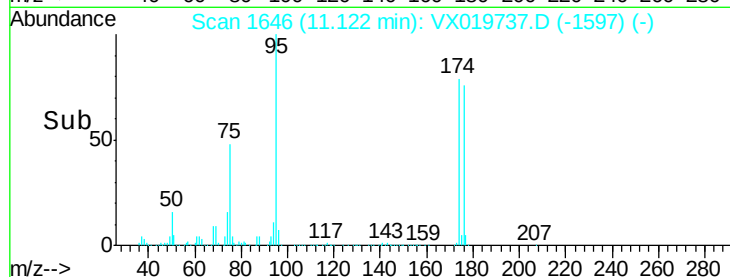


Abundance Ion 94.90 (94.60 to 95.60): VX019737.D (-1638) (-)

Ion 173.80 (173.50 to 174.50): VX019737.D (-1638) (-)

Ion 175.80 (175.50 to 176.50): VX019737.D (-1638) (-)

Time-->

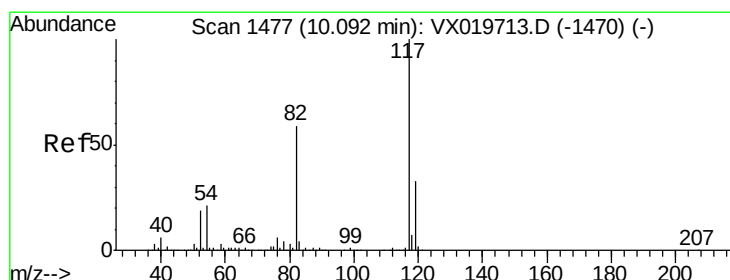


Abundance Ion 94.90 (94.60 to 95.60): VX019737.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX019737.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX019737.D (-1597) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.09 min Scan# 1477

Delta R.T. -0.00 min

Lab File: VX019737.D

Acq: 04 Dec 2020 23:10

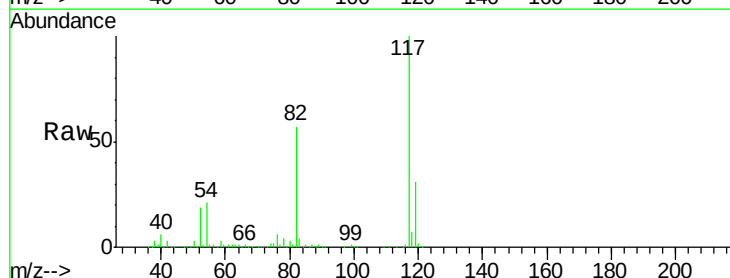
Tgt Ion: 117 Resp: 507933

Ion Ratio Lower Upper

117 100

82 57.0 47.4 71.2

119 30.8 26.6 39.8

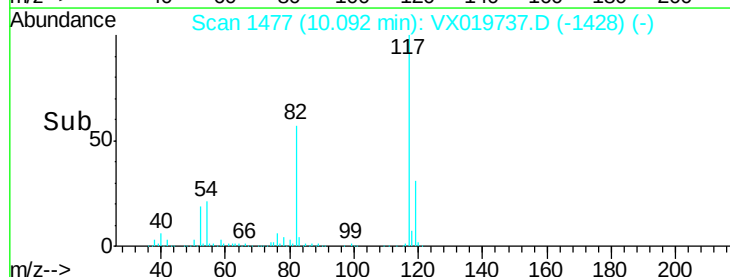


Abundance Ion 116.90 (116.60 to 117.60): VX019737.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX019737.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX019737.D (-1470) (-)

Time-->

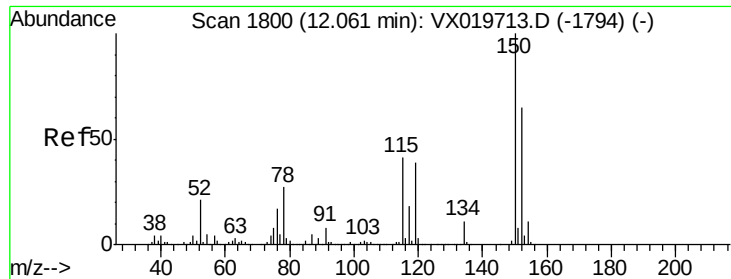


Abundance Ion 116.90 (116.60 to 117.60): VX019737.D (-1428) (-)

Ion 82.00 (81.70 to 82.70): VX019737.D (-1428) (-)

Ion 118.90 (118.60 to 119.60): VX019737.D (-1428) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019737.D

Acq: 04 Dec 2020 23:10

Instrument :

MSVOA_X

ClientSampleId :

ID039-39-6147-120220

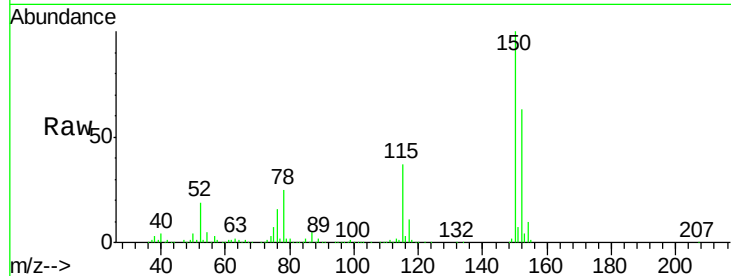
Tot Ion:152 Resp: 229148

Ion Ratio Lower Upper

152 100

115 60.0 41.1 123.3

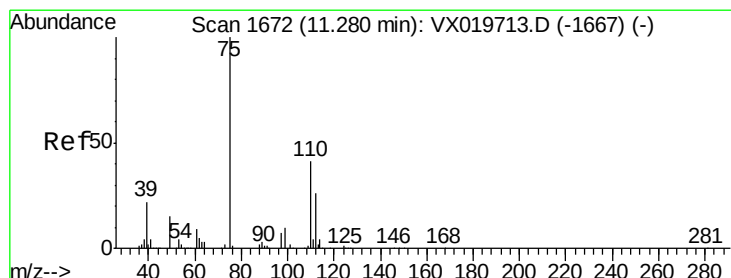
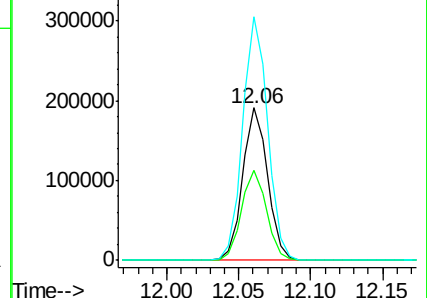
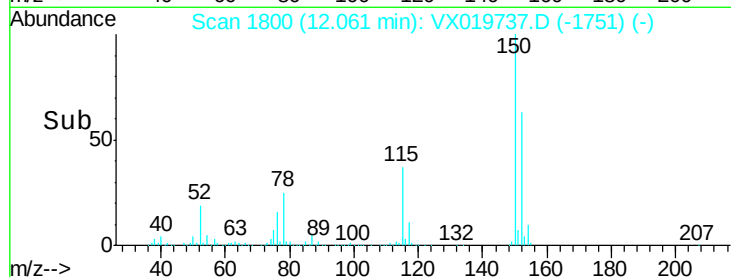
150 160.6 0.0 349.0



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: 23.307 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019737.D

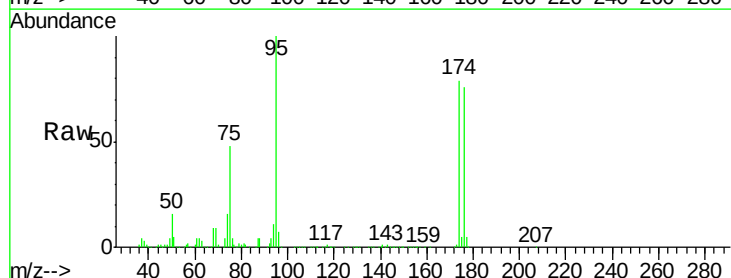
Acq: 04 Dec 2020 23:10

Tgt Ion: 75 Resp: 119783

Ion Ratio Lower Upper

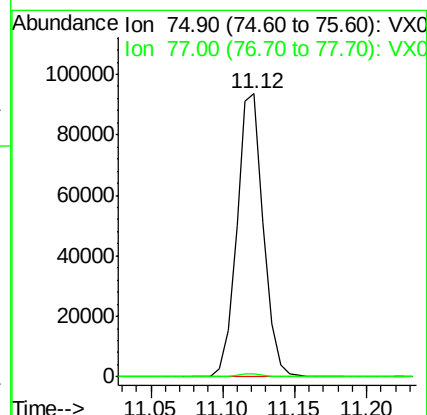
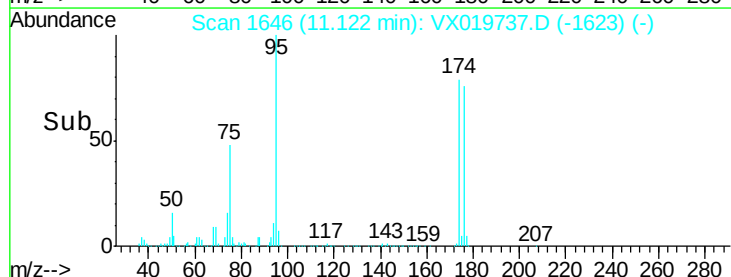
75 100

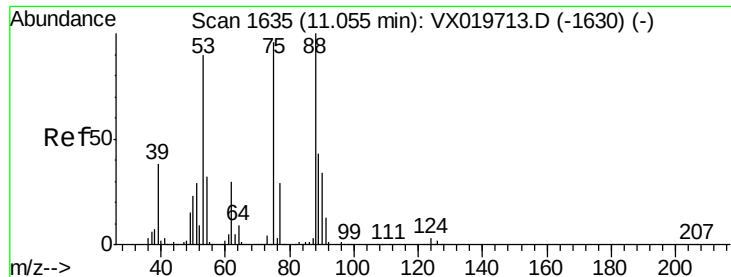
77 1.2 19.1 57.5#



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: 67.376 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019737.D

Acq: 04 Dec 2020 23:10

Instrument :

MSVOA_X

ClientSampleId :

ID039-39-6147-120220

Tot Ion: 75 Resp: 119783

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

89 0.0 37.9 56.9#

