

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120420\
 Data File : VX019736.D
 Acq On : 04 Dec 2020 22:47
 Operator : JC/MD
 Sample : L4953-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ID039-HY45390-120220

Quant Time: Dec 05 03:54:40 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	346121	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	565436	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	504054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	223790	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	210167	46.20	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	92.40%
35) Dibromofluoromethane	5.46	113	169765	46.46	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.92%
50) Toluene-d8	8.70	98	674242	48.33	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.66%
62) 4-Bromofluorobenzene	11.12	95	241274	45.44	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	90.88%

Target Compounds

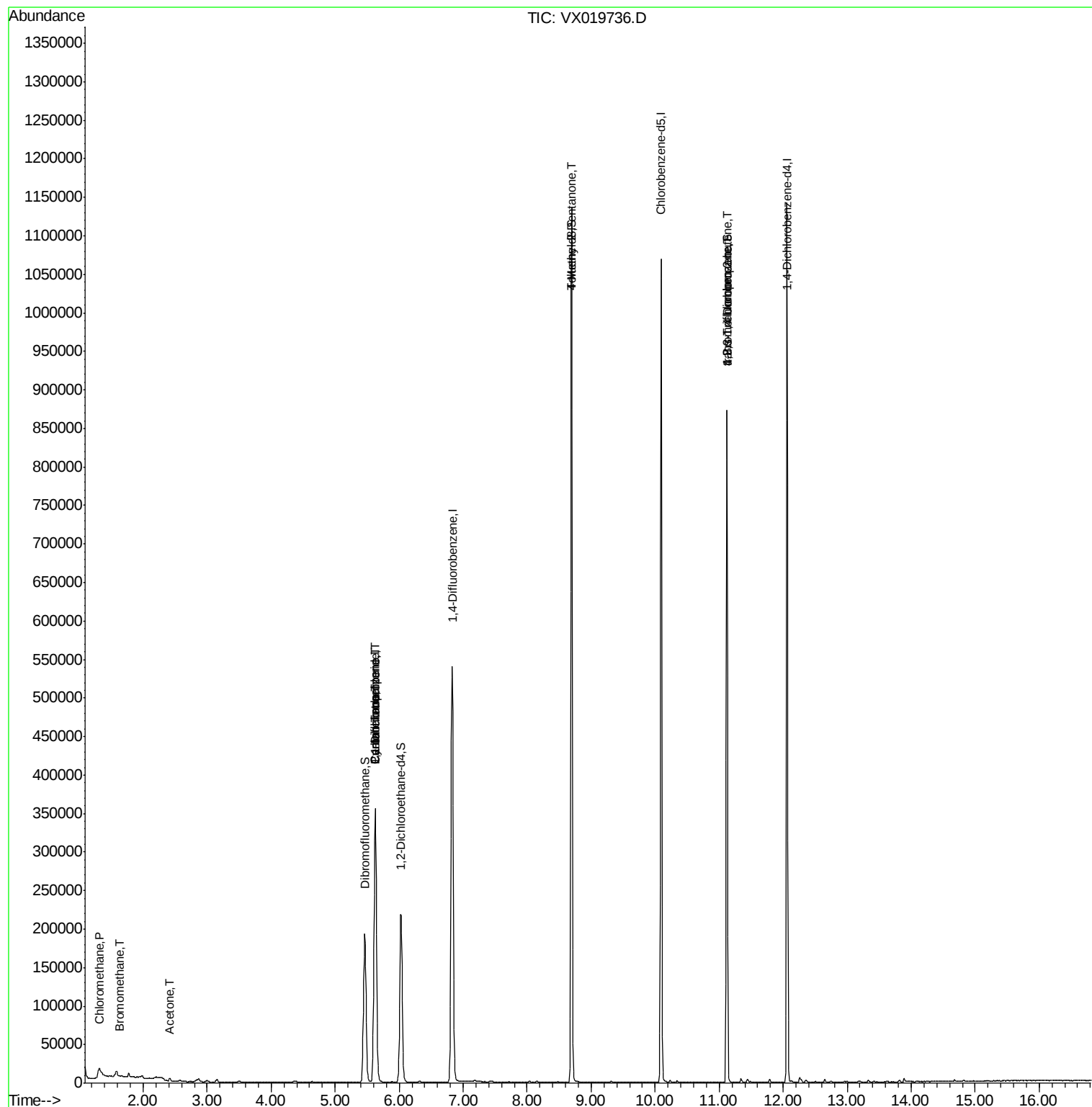
					Qvalue	
3) Chloromethane	1.31	50	1128	0.303	ug/l	95
5) Bromomethane	1.64	94	316	0.242	ug/l	83
11) Tert butyl alcohol	2.99	59	1429	Below Cal	#	73
16) Acetone	2.42	43	3497	2.045	ug/l	91
20) Methylene Chloride	2.83	84	901	Below Cal		85
31) Cyclohexane	5.63	56	7401	1.308	ug/l	# 1
36) 1,1-Dichloropropene	5.62	75	25862	5.062	ug/l	# 49
38) Carbon Tetrachloride	5.62	117	33457	6.687	ug/l	# 16
51) 4-Methyl-2-Pentanone	8.70	43	2623	0.512	ug/l	# 1
76) 1,2,3-Trichloropropane	11.12	75	114653	22.843	ug/l	# 39
81) trans-1,4-Dichloro-2-buten	11.12	75	114653	66.034	ug/l	# 12

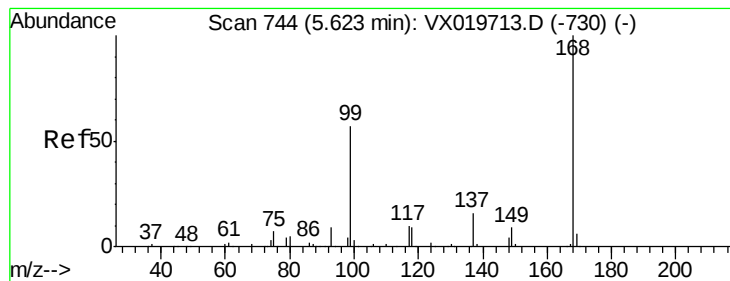
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX019736.D

Acq: 04 Dec 2020 22:47

Instrument :

MSVOA_X

ClientSampleId :

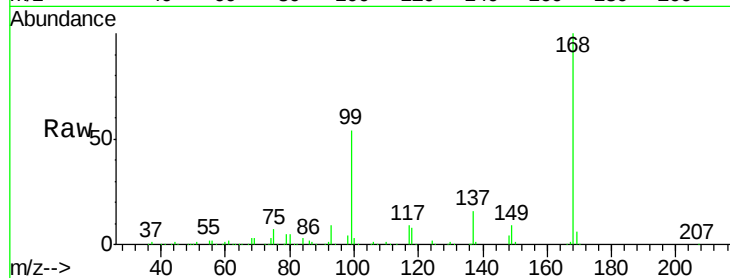
ID039-HY45390-120220

Tot Ion:168 Resp: 346121

Ion Ratio Lower Upper

168 100

99 53.9 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

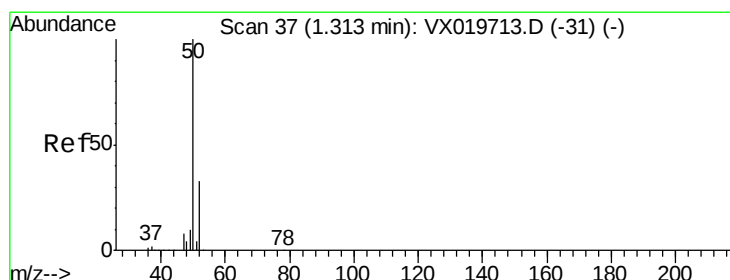
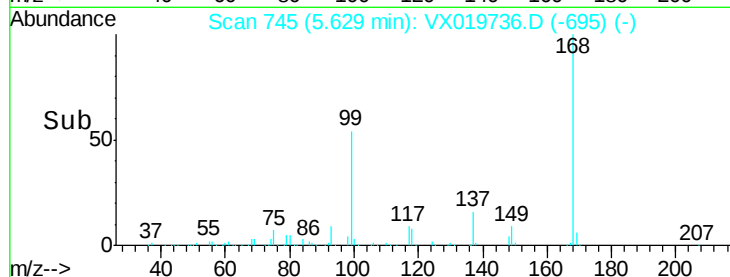
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.303 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019736.D

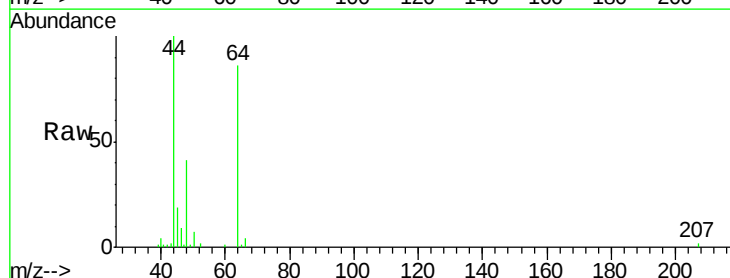
Acq: 04 Dec 2020 22:47

Tgt Ion: 50 Resp: 1128

Ion Ratio Lower Upper

50 100

52 35.8 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

500

400

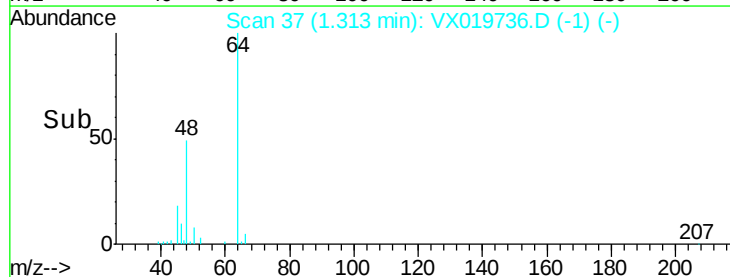
300

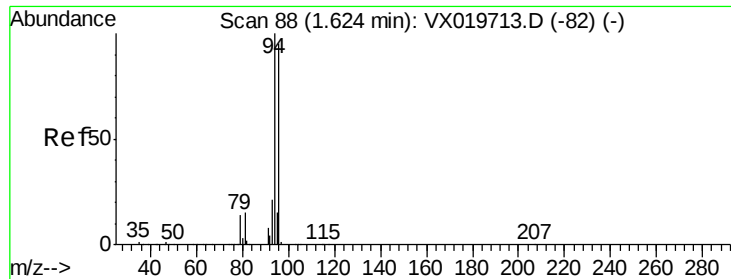
200

100

0

Time-->





#5

Bromomethane

Concen: 0.242 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX019736.D

Acq: 04 Dec 2020 22:47

Instrument :

MSVOA_X

ClientSampleId :

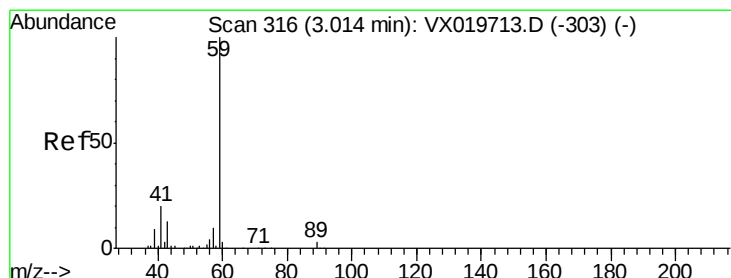
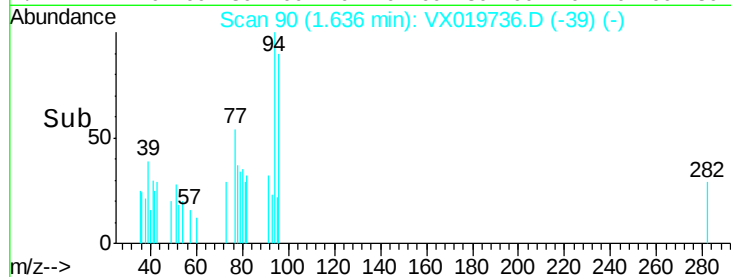
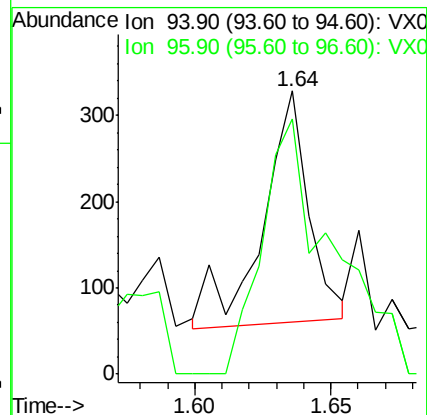
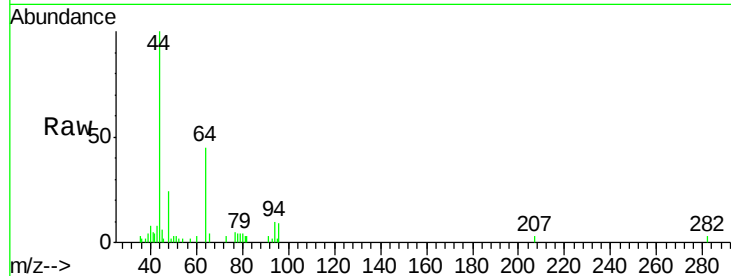
ID039-HY45390-120220

Tot Ion: 94 Resp: 316

Ion Ratio Lower Upper

94 100

96 112.5 76.4 114.6



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.99 min Scan# 312

Delta R.T. -0.02 min

Lab File: VX019736.D

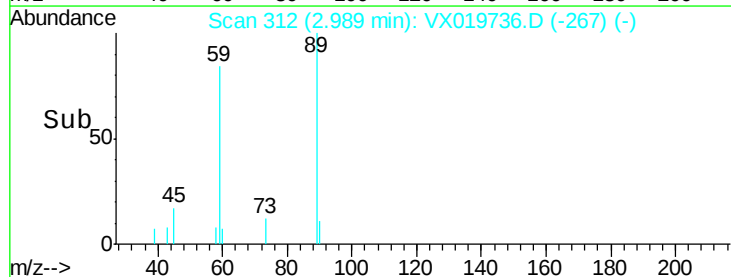
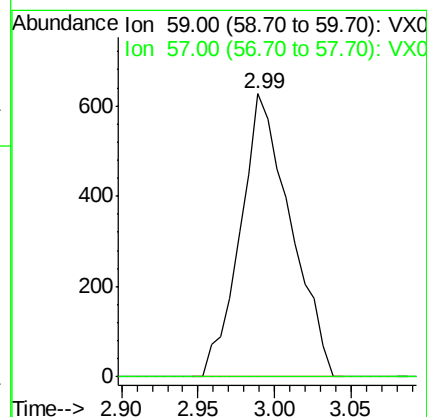
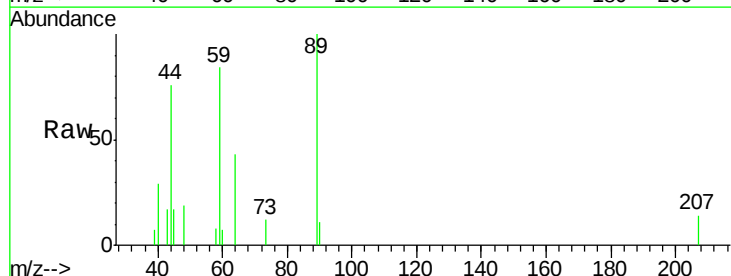
Acq: 04 Dec 2020 22:47

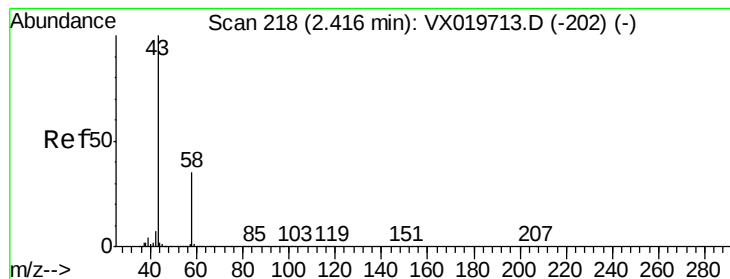
Tgt Ion: 59 Resp: 1429

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#





#16

Acetone

Concen: 2.045 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX019736.D

Acq: 04 Dec 2020 22:47

Instrument :

MSVOA_X

ClientSampleId :

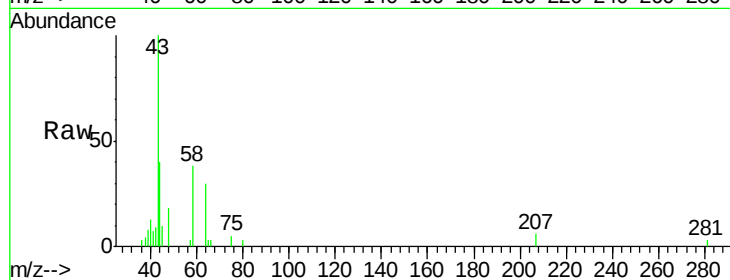
ID039-HY45390-120220

Tot Ion: 43 Resp: 3497

Ion Ratio Lower Upper

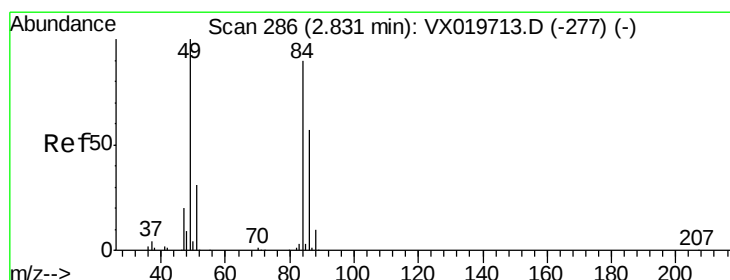
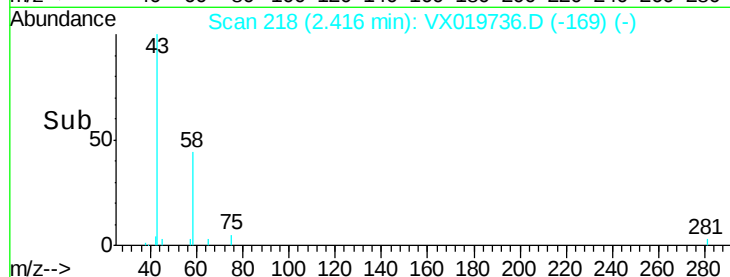
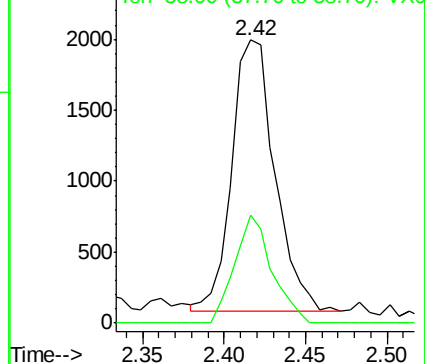
43 100

58 40.0 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.83 min Scan# 286

Delta R.T. 0.00 min

Lab File: VX019736.D

Acq: 04 Dec 2020 22:47

Tgt Ion: 84 Resp: 901

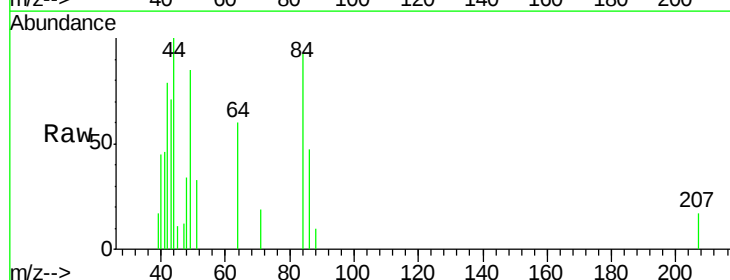
Ion Ratio Lower Upper

84 100

49 90.7 88.6 132.8

51 35.1 27.0 40.6

86 50.5 50.3 75.5

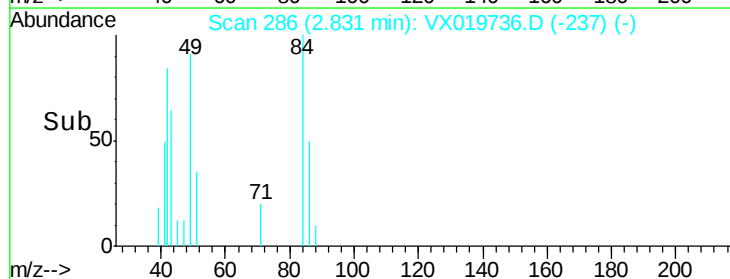
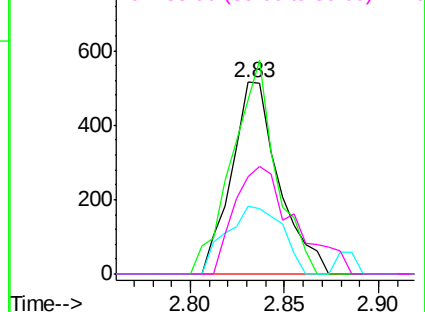


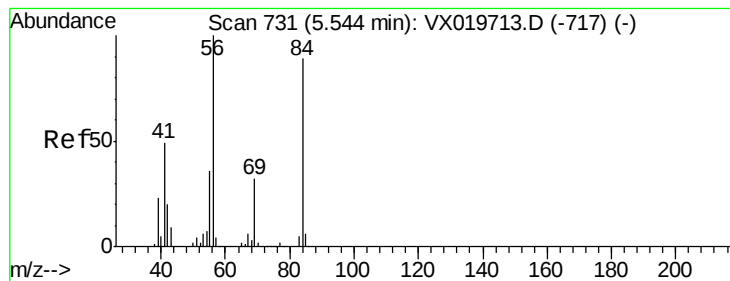
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#31

Cyclohexane

Concen: 1.308 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.09 min

Lab File: VX019736.D

Acq: 04 Dec 2020 22:47

Instrument :

MSVOA_X

ClientSampleId :

ID039-HY45390-120220

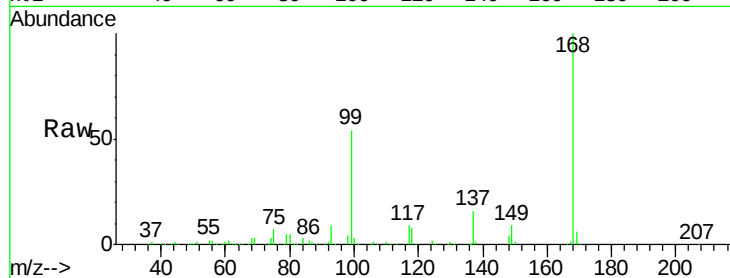
Tot Ion: 56 Resp: 7401

Ion Ratio Lower Upper

56 100

69 180.0 25.3 37.9#

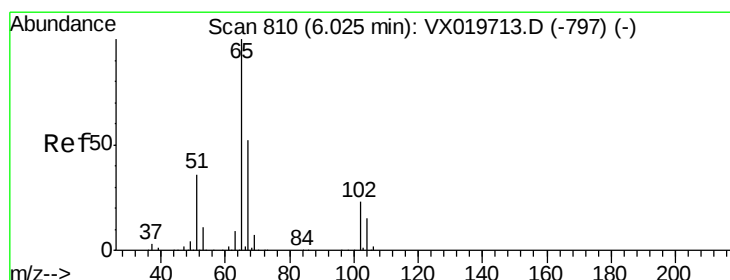
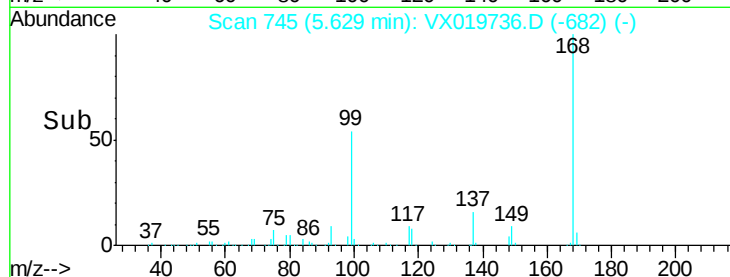
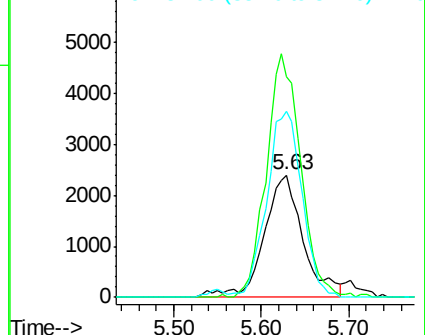
84 151.5 71.4 107.0#



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: 46.200 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.00 min

Lab File: VX019736.D

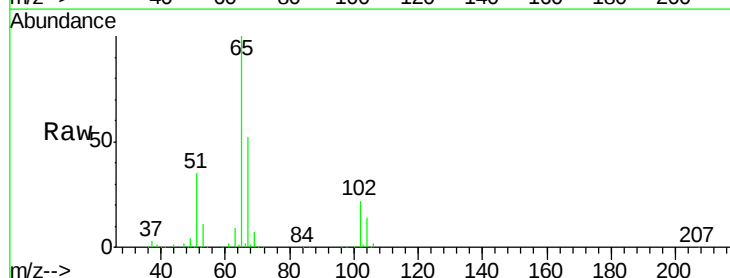
Acq: 04 Dec 2020 22:47

Tgt Ion: 65 Resp: 210167

Ion Ratio Lower Upper

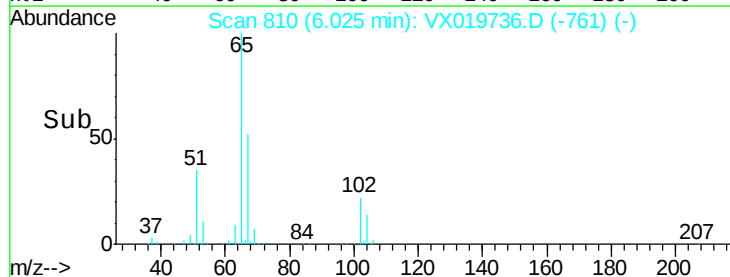
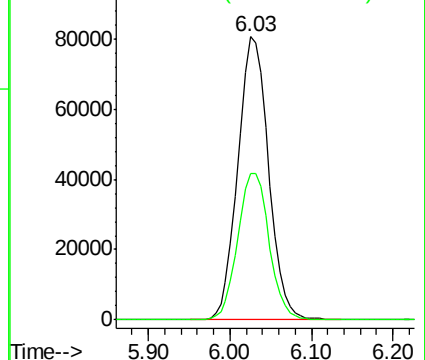
65 100

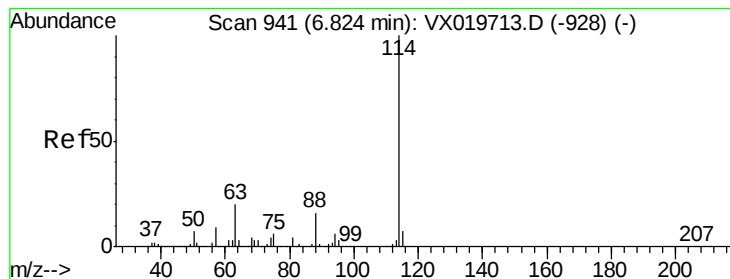
67 52.9 0.0 105.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.01 min

Lab File: VX019736.D

Acq: 04 Dec 2020 22:47

Instrument :

MSVOA_X

ClientSampleId :

ID039-HY45390-120220

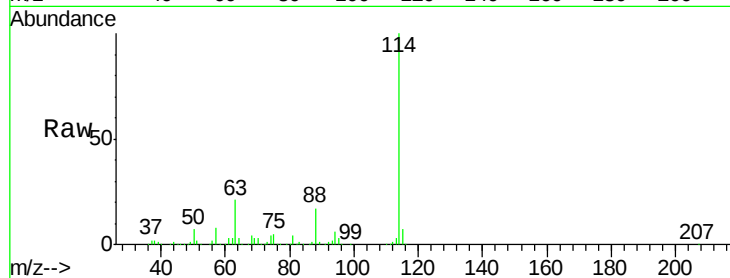
Tot Ion:114 Resp: 565436

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.8

88 16.6 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

300000

250000

200000

150000

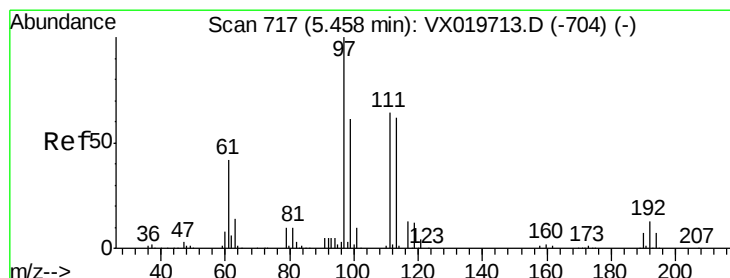
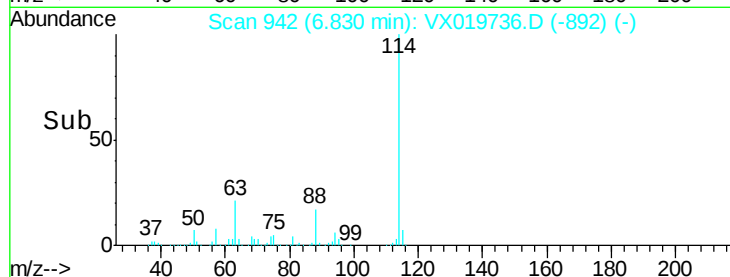
100000

50000

0

6.70 6.80 6.90

Time-->



#35

Dibromofluoromethane

Concen: 46.456 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019736.D

Acq: 04 Dec 2020 22:47

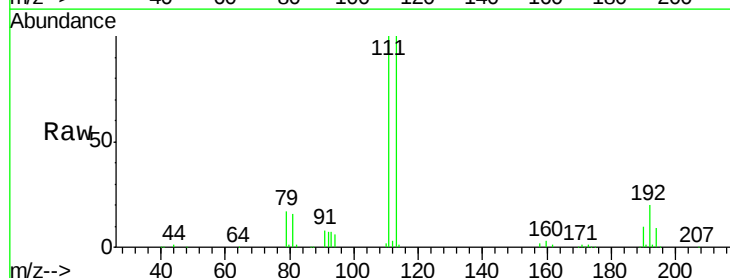
Tgt Ion:113 Resp: 169765

Ion Ratio Lower Upper

113 100

111 103.2 81.9 122.9

192 20.5 16.7 25.1



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

80000

60000

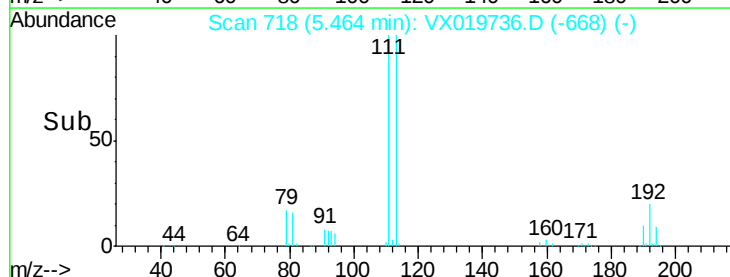
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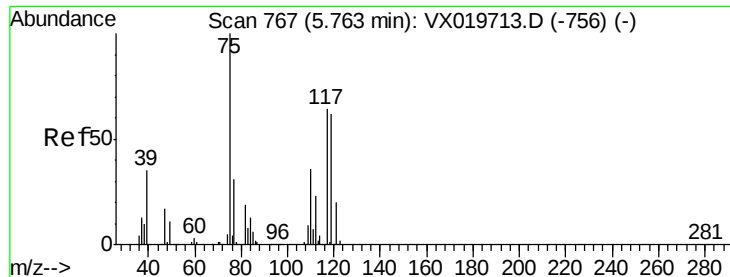
20000

0

5.30 5.40 5.50 5.60

Time-->





#36

1,1-Dichloropropene

Concen: 5.062 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.14 min

Lab File: VX019736.D

Acq: 04 Dec 2020 22:47

Instrument :

MSVOA_X

ClientSampleId :

ID039-HY45390-120220

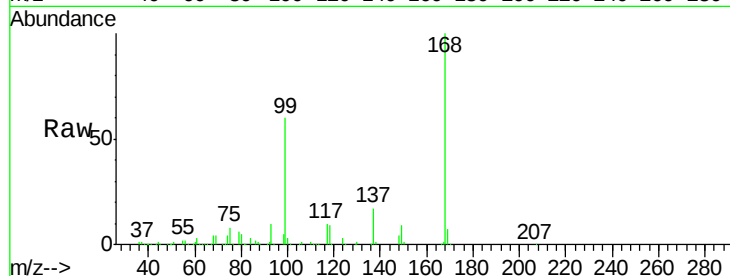
Tot Ion: 75 Resp: 25862

Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.4#

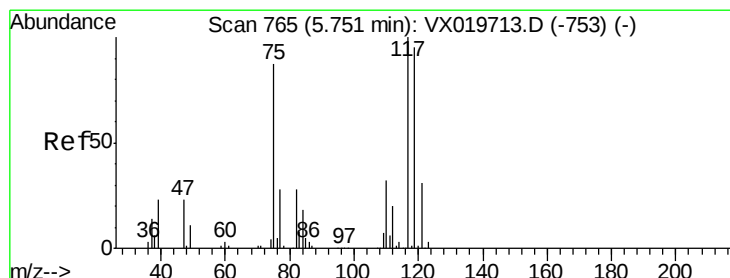
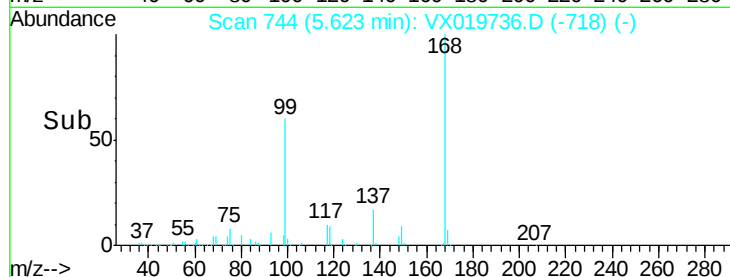
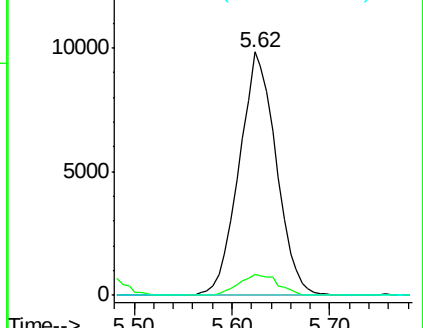
77 0.0 25.3 37.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.687 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX019736.D

Acq: 04 Dec 2020 22:47

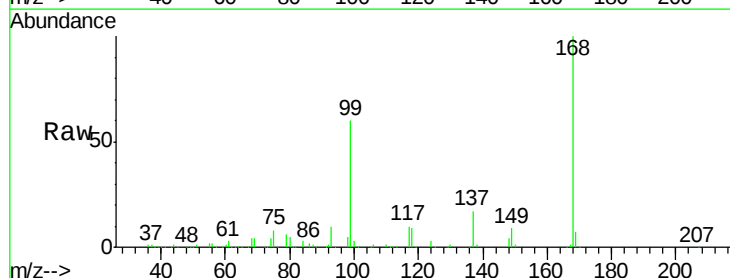
Tgt Ion: 117 Resp: 33457

Ion Ratio Lower Upper

117 100

119 5.0 76.2 114.2#

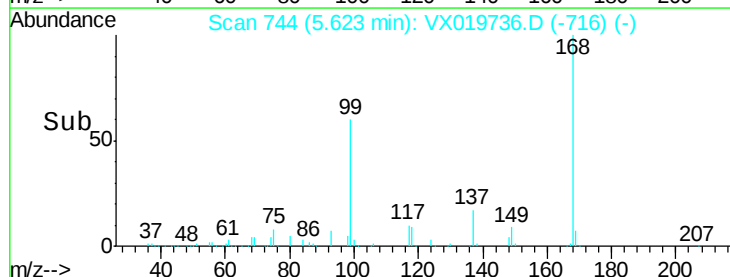
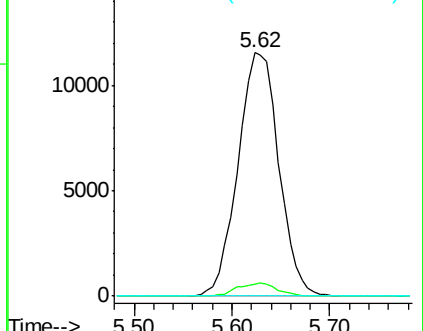
121 0.0 24.8 37.2#

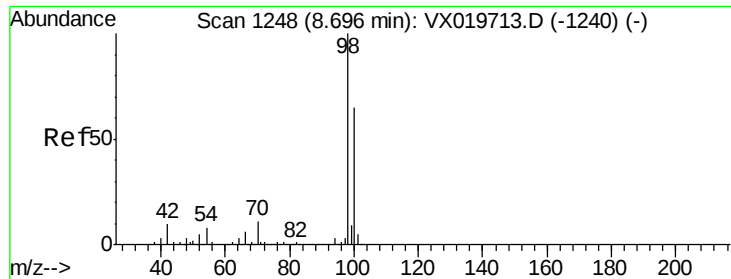


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 48.328 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019736.D

Acq: 04 Dec 2020 22:47

Instrument :

MSVOA_X

ClientSampleId :

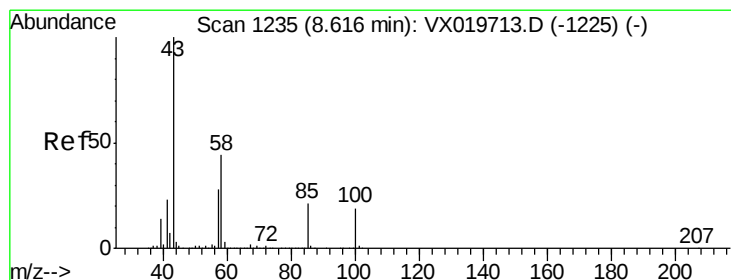
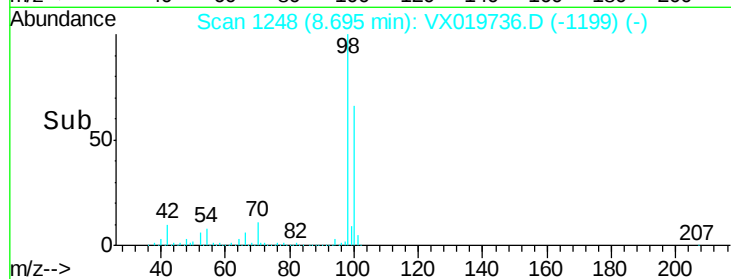
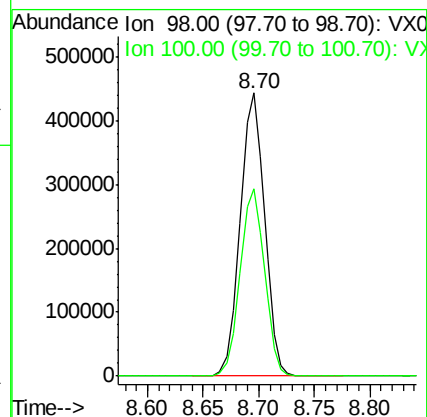
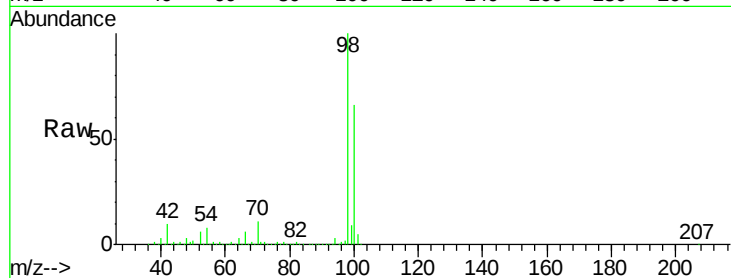
ID039-HY45390-120220

Tot Ion: 98 Resp: 674242

Ion Ratio Lower Upper

98 100

100 66.1 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 0.512 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.08 min

Lab File: VX019736.D

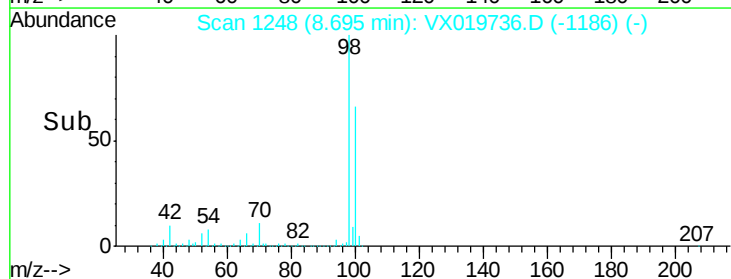
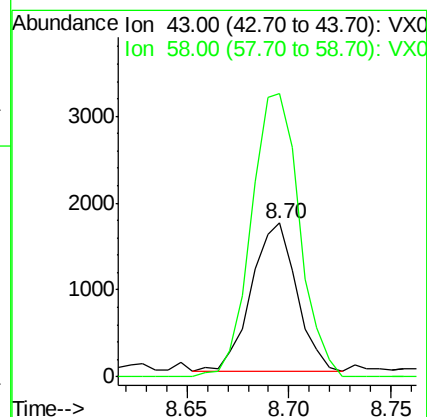
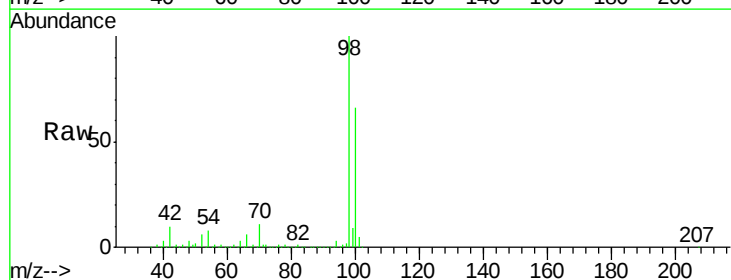
Acq: 04 Dec 2020 22:47

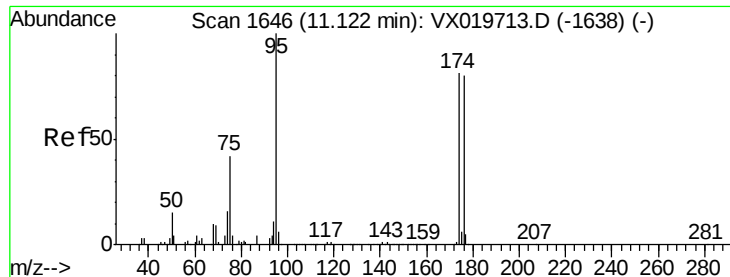
Tgt Ion: 43 Resp: 2623

Ion Ratio Lower Upper

43 100

58 203.4 35.4 53.0#

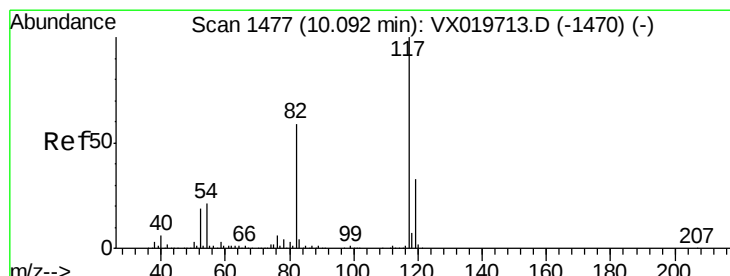
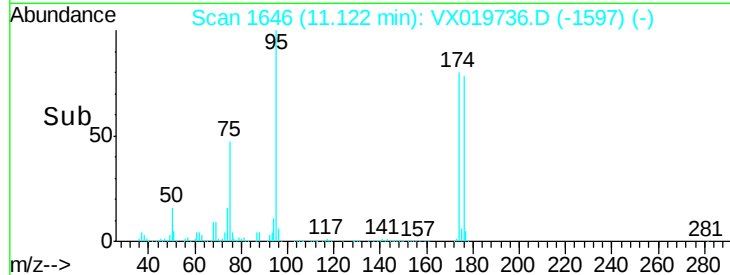
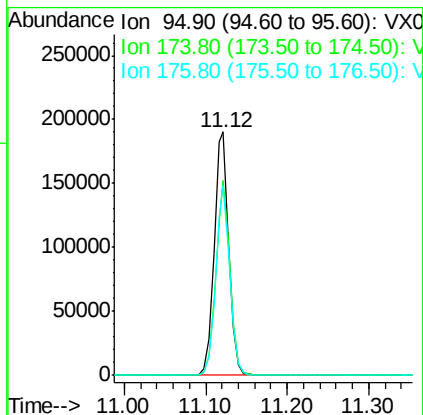
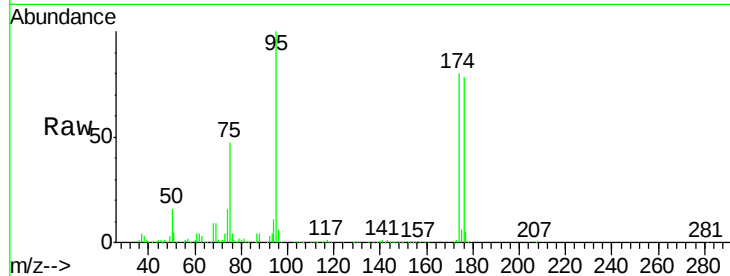




#62
4-Bromofluorobenzene
Concen: 45.437 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019736.D
Acq: 04 Dec 2020 22:47

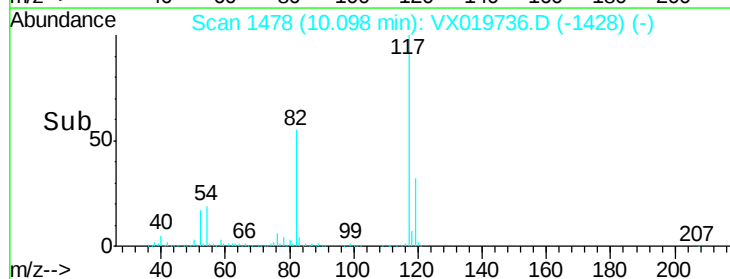
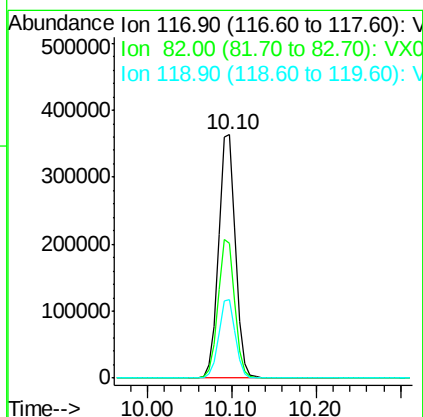
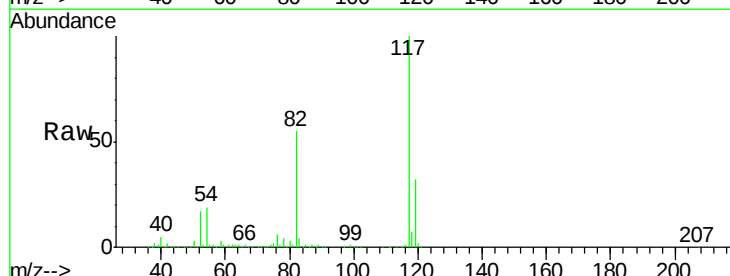
Instrument :
MSVOA_X
ClientSampleId :
ID039-HY45390-120220

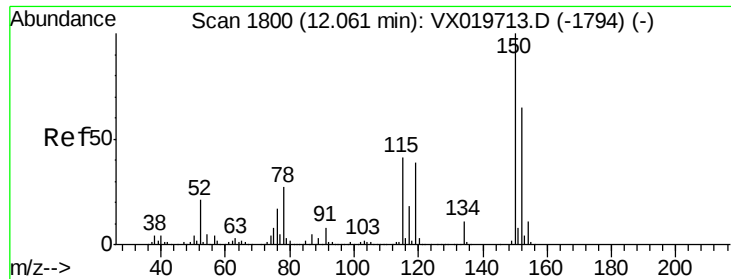
Tot Ion	Ratio	Lower	Upper
95	100		
174	77.7	0.0	154.6
176	75.2	0.0	155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.01 min
Lab File: VX019736.D
Acq: 04 Dec 2020 22:47

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.5	47.4	71.2
119	32.1	26.6	39.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019736.D

Acq: 04 Dec 2020 22:47

Instrument :

MSVOA_X

ClientSampleId :

ID039-HY45390-120220

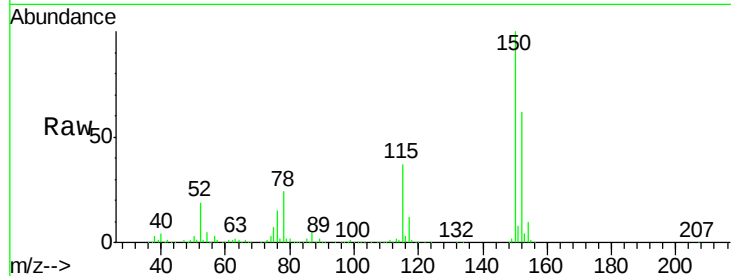
Tot Ion:152 Resp: 223790

Ion Ratio Lower Upper

152 100

115 59.5 41.1 123.3

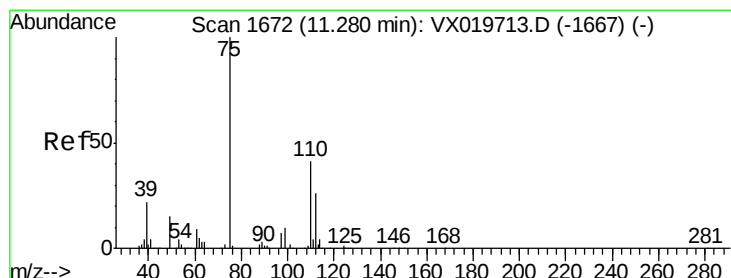
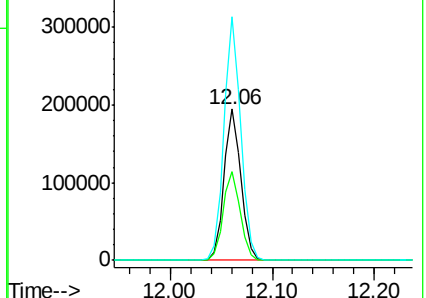
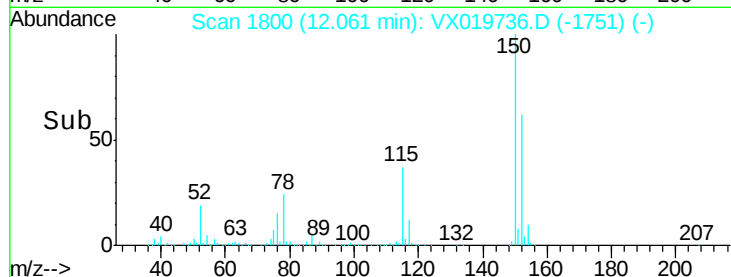
150 159.9 0.0 349.0



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: 22.843 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.16 min

Lab File: VX019736.D

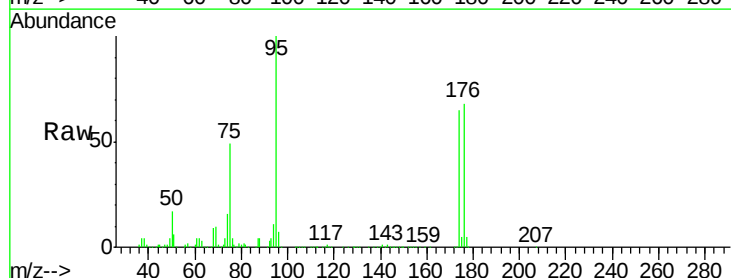
Acq: 04 Dec 2020 22:47

Tgt Ion: 75 Resp: 114653

Ion Ratio Lower Upper

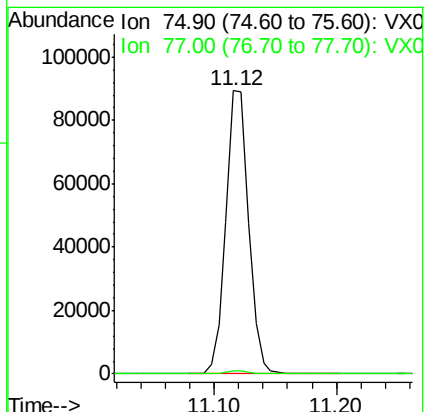
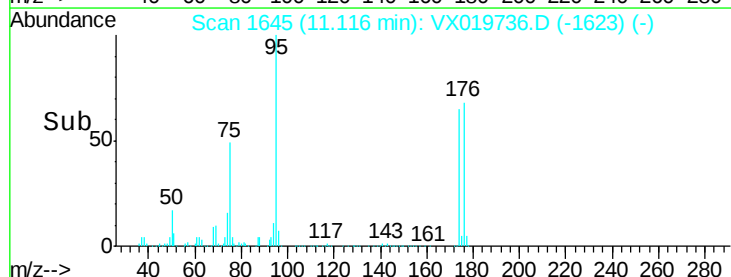
75 100

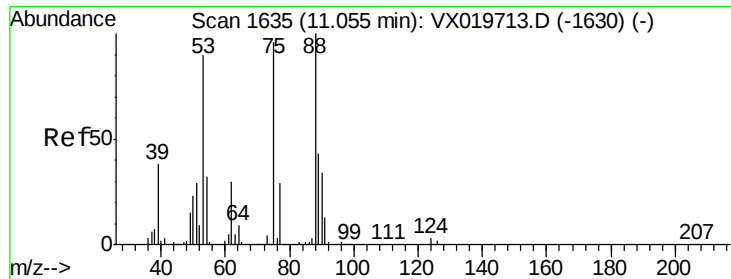
77 1.1 19.1 57.5#



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: 66.034 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. 0.06 min

Lab File: VX019736.D

Acq: 04 Dec 2020 22:47

Instrument :

MSVOA_X

ClientSampleId :

ID039-HY45390-120220

Tot Ion: 75 Resp: 114653

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

89 0.0 37.9 56.9#

