

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121720\
 Data File : VX020073.D
 Acq On : 16 Dec 2020 18:17
 Operator : JC/MD
 Sample : L5097-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ID039-TB-120720

Quant Time: Dec 17 00:32:18 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	5.62	168	303181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	502748	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	467608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	204827	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	195649	49.10	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.20%	
35) Dibromofluoromethane		5.46	113	157213	48.39	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.78%	
50) Toluene-d8		8.70	98	613893	49.49	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.98%	
62) 4-Bromofluorobenzene		11.12	95	216032	45.76	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	91.52%	

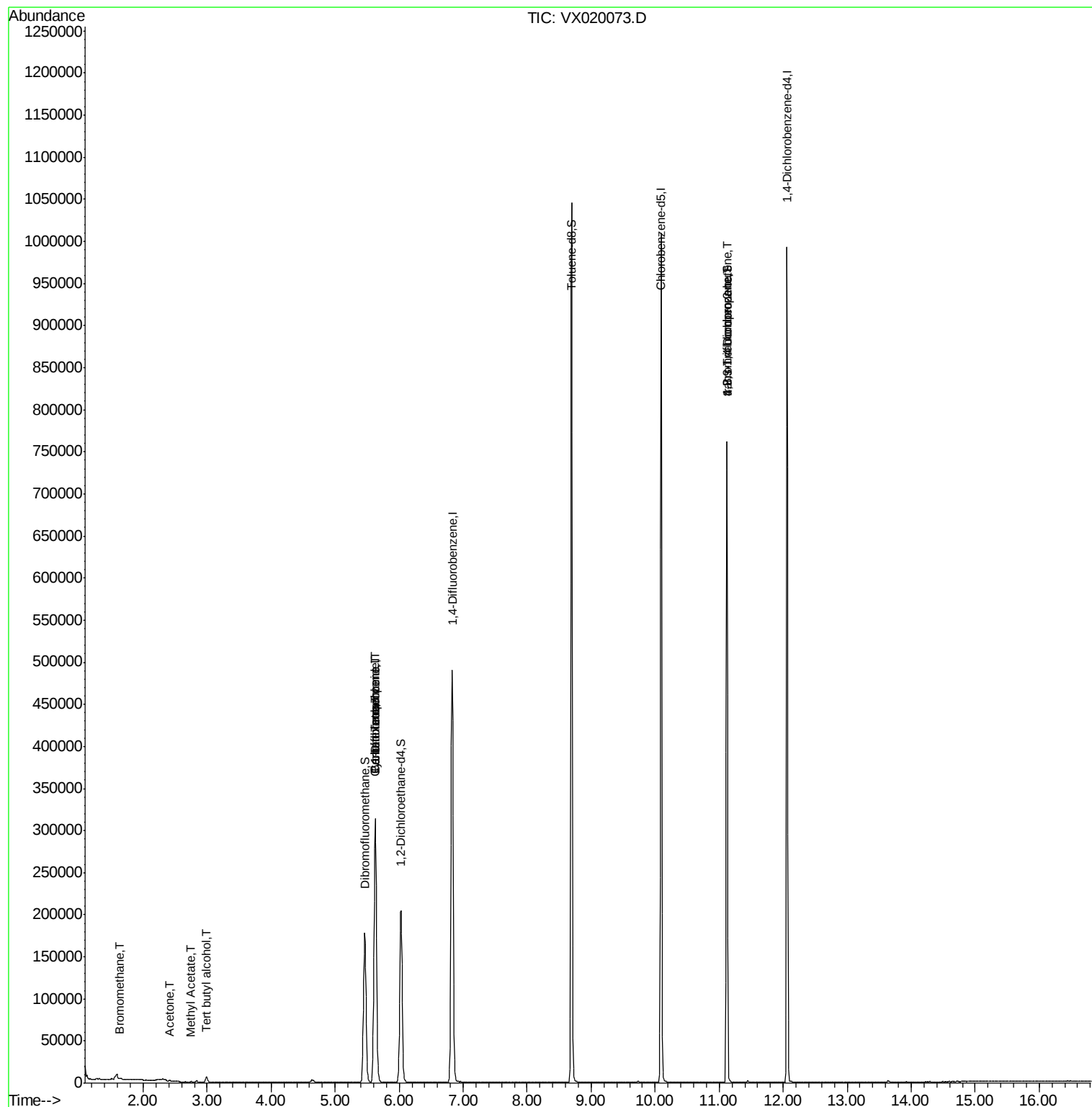
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	608	0.532	ug/l	82
11) Tert butyl alcohol	2.99	59	3989	2.280	ug/l #	73
16) Acetone	2.42	43	983	0.656	ug/l	97
18) Methyl Acetate	2.75	43	1008	0.275	ug/l #	75
20) Methylene Chloride	2.84	84	832	Below Cal	#	78
31) Cyclohexane	5.62	56	5897	1.190	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	23247	5.117	ug/l #	49
38) Carbon Tetrachloride	5.62	117	29570	6.647	ug/l #	18
76) 1,2,3-Trichloropropane	11.12	75	105191	22.898	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	105191	66.194	ug/l #	12

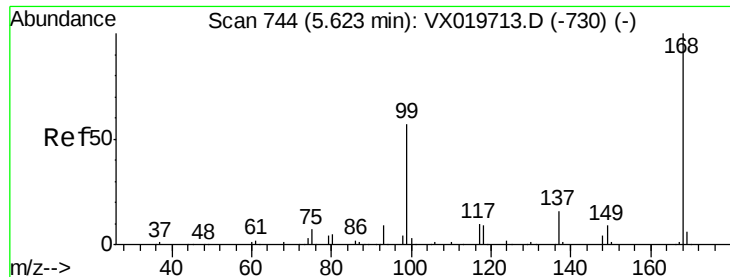
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121720\
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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: 5.62 min Scan# 744

Delta R.T. 0.00 min

Lab File: VX020073.D

Acq: 16 Dec 2020 18:17

Instrument :

MSVOA_X

ClientSampleId :

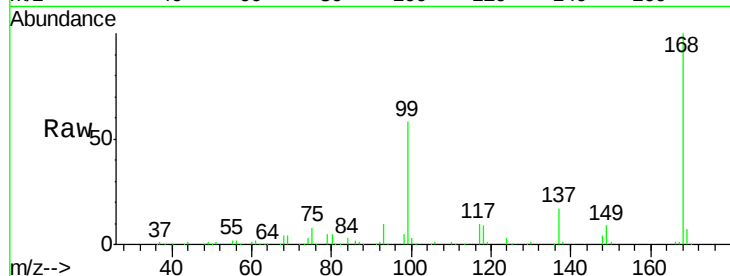
ID039-TB-120720

Tgt Ion:168 Resp: 303181

Ion Ratio Lower Upper

168 100

99 57.9 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

120000

100000

80000

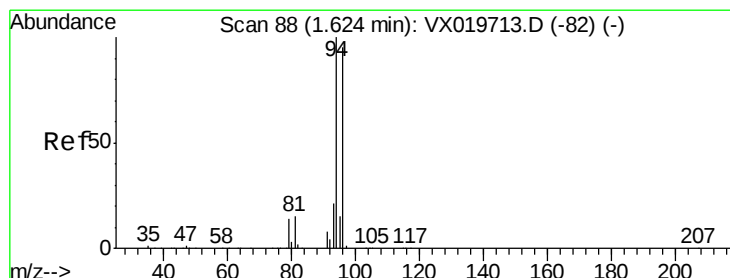
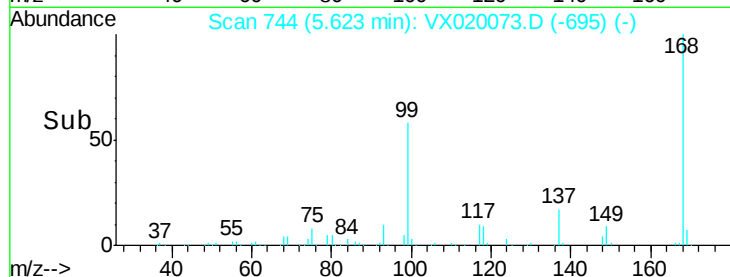
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.532 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX020073.D

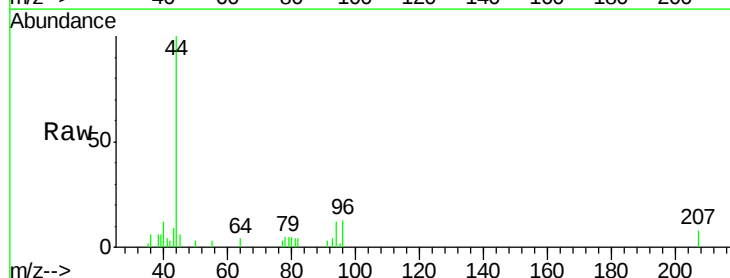
Acq: 16 Dec 2020 18:17

Tgt Ion: 94 Resp: 608

Ion Ratio Lower Upper

94 100

96 113.1 76.4 114.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

400

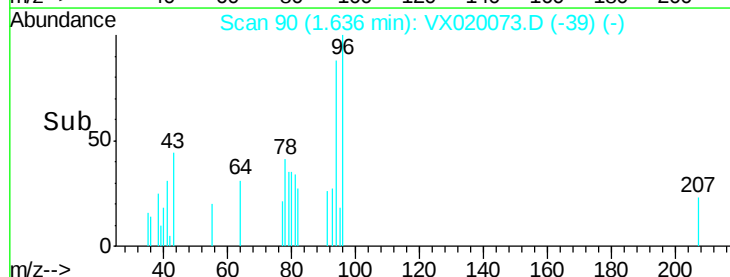
300

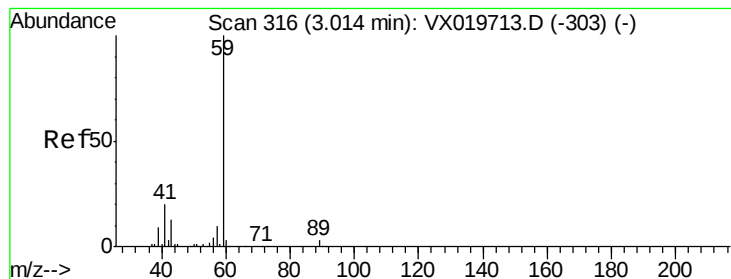
200

100

0

Time-->



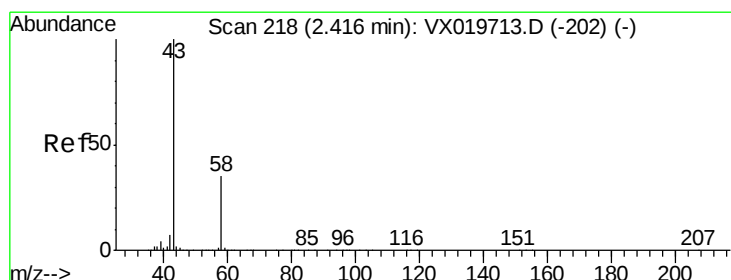
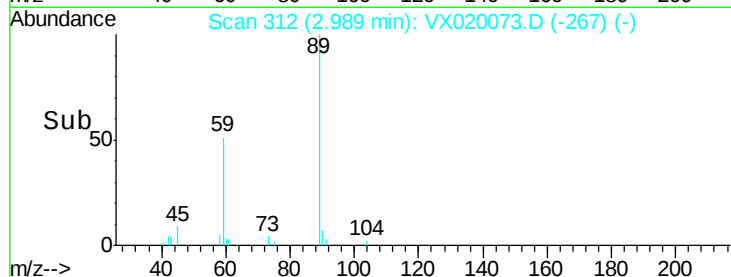
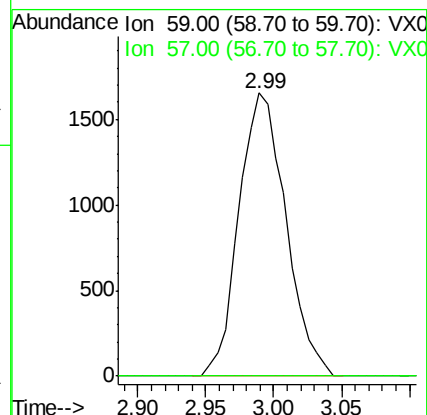
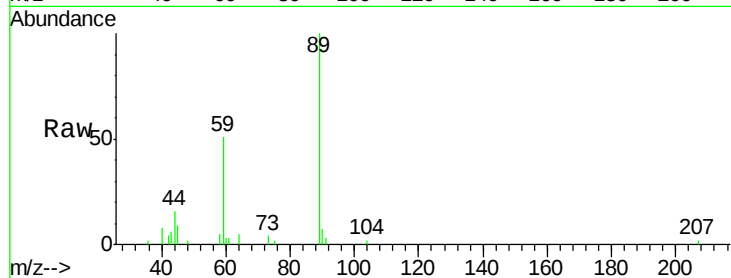


#11

Tert butyl alcohol
Concen: 2.280 ug/l
RT: 2.99 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX020073.D
Acq: 16 Dec 2020 18:17

Instrument :
MSVOA_X
ClientSampleId :
ID039-TB-120720

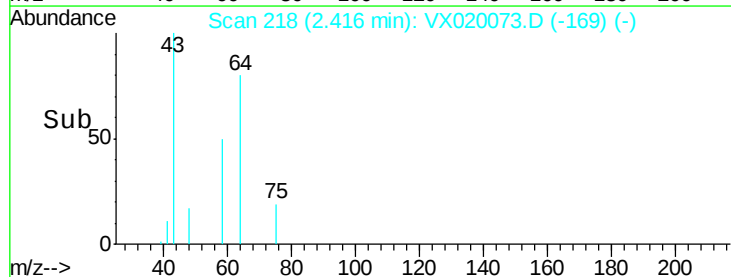
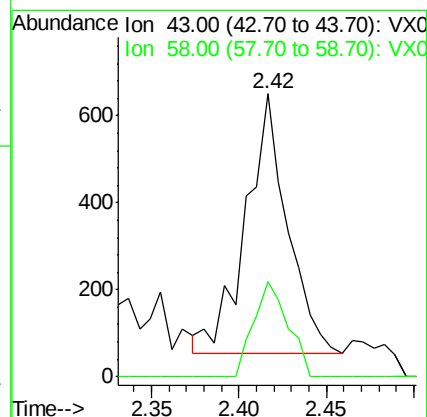
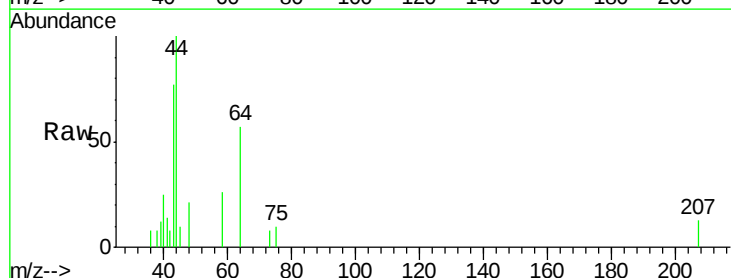
Tgt Ion: 59 Resp: 3989
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

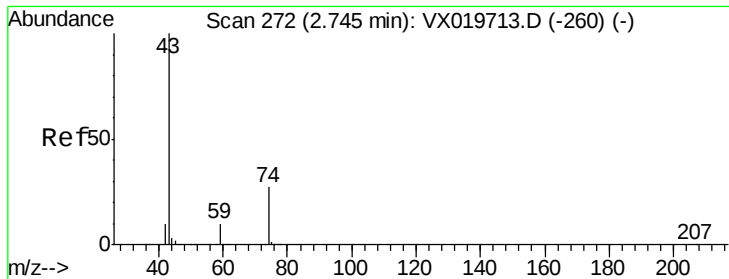


#16

Acetone
Concen: 0.656 ug/l
RT: 2.42 min Scan# 218
Delta R.T. 0.00 min
Lab File: VX020073.D
Acq: 16 Dec 2020 18:17

Tgt Ion: 43 Resp: 983
Ion Ratio Lower Upper
43 100
58 36.7 27.8 41.8

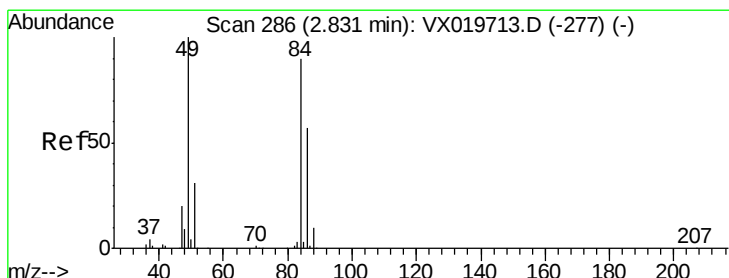
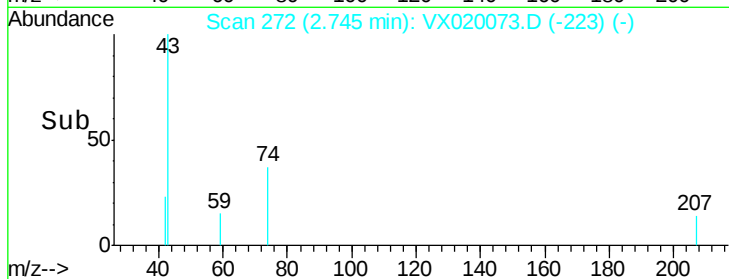
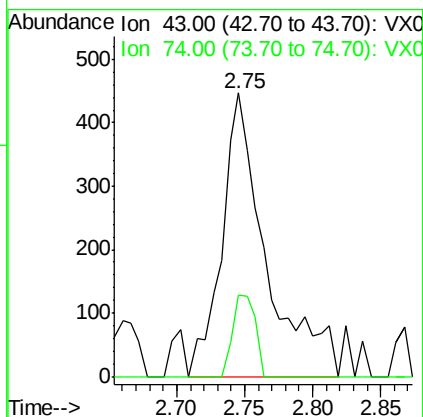
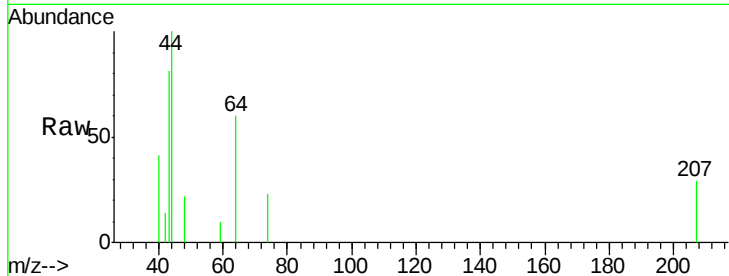




#18
Methyl Acetate
Concen: 0.275 ug/l
RT: 2.75 min Scan# 272
Delta R.T. 0.00 min
Lab File: VX020073.D
Acq: 16 Dec 2020 18:17

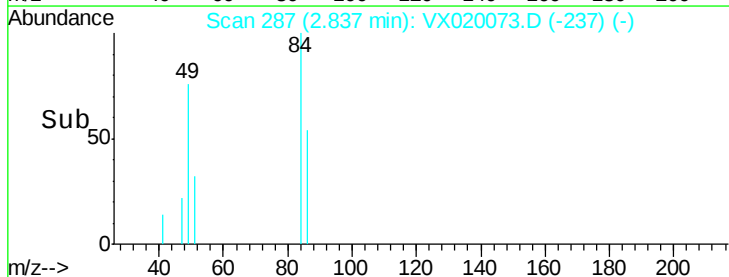
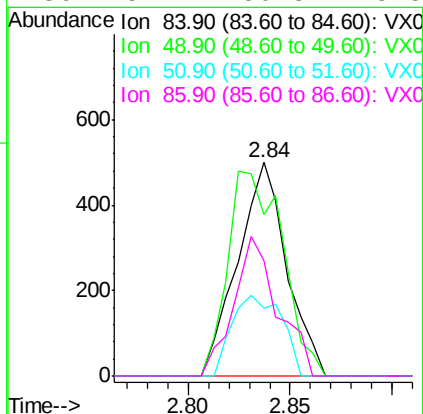
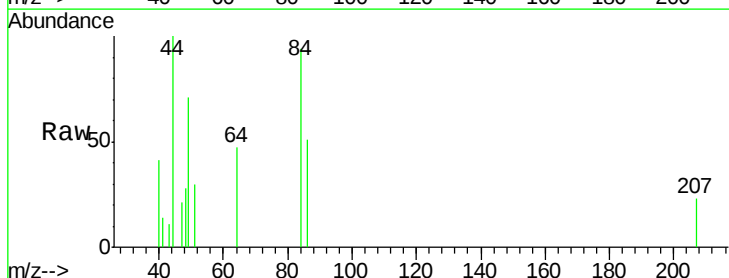
Instrument :
MSVOA_X
ClientSampleId :
ID039-TB-120720

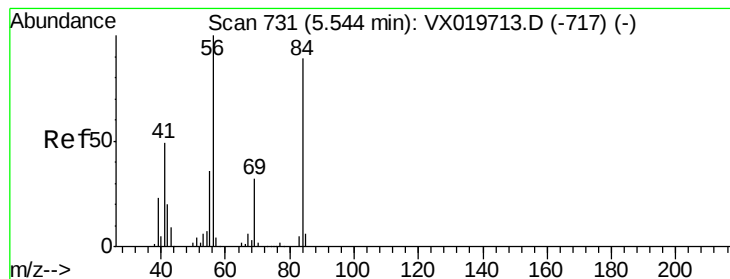
Tgt Ion: 43 Resp: 1008
Ion Ratio Lower Upper
43 100
74 14.6 21.9 32.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX020073.D
Acq: 16 Dec 2020 18:17

Tgt Ion: 84 Resp: 832
Ion Ratio Lower Upper
84 100
49 75.8 88.6 132.8#
51 31.6 27.0 40.6
86 54.2 50.3 75.5





#31

Cyclohexane

Concen: 1.190 ug/l

RT: 5.62 min Scan# 743

Delta R.T. 0.07 min

Lab File: VX020073.D

Acq: 16 Dec 2020 18:17

Instrument :

MSVOA_X

ClientSampleId :

ID039-TB-120720

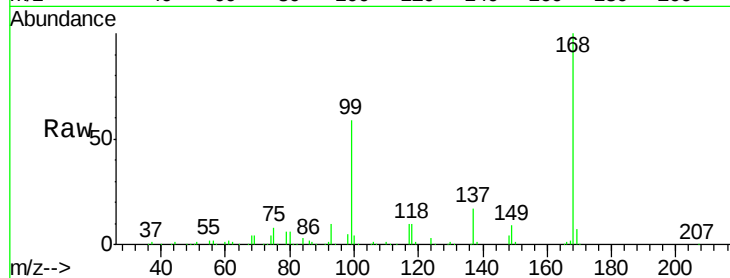
Tgt Ion: 56 Resp: 5897

Ion Ratio Lower Upper

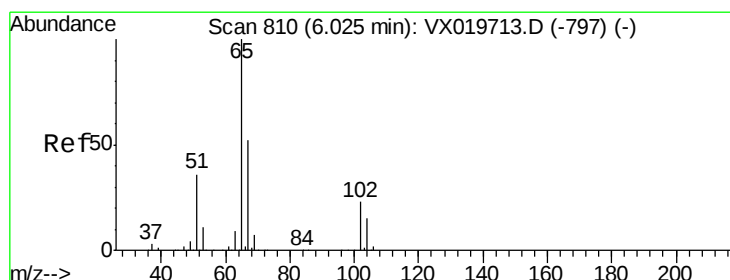
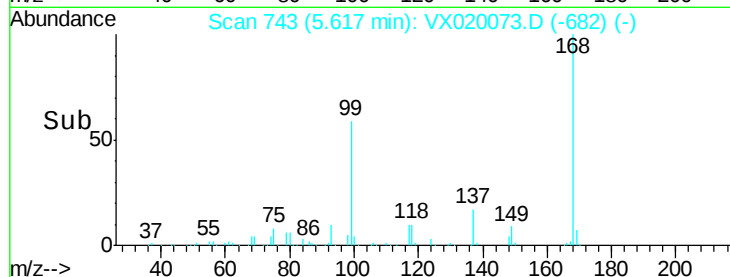
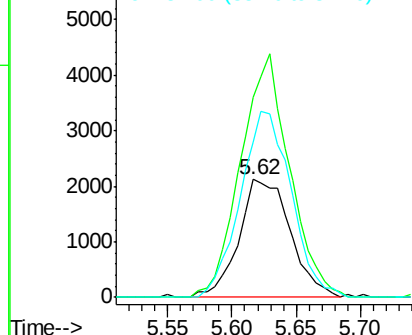
56 100

69 170.0 25.3 37.9#

84 132.0 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: 49.100 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.01 min

Lab File: VX020073.D

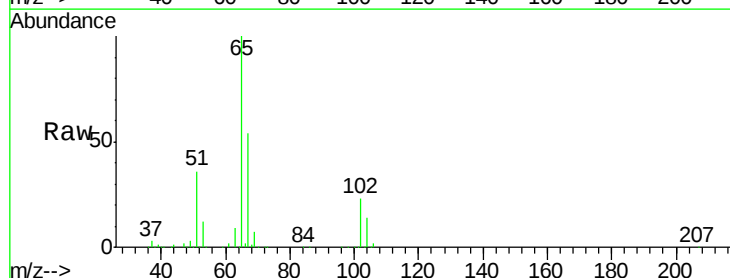
Acq: 16 Dec 2020 18:17

Tgt Ion: 65 Resp: 195649

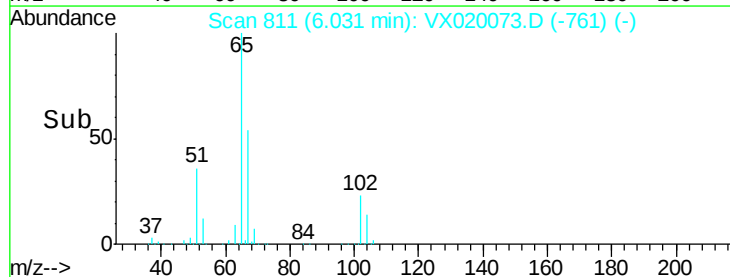
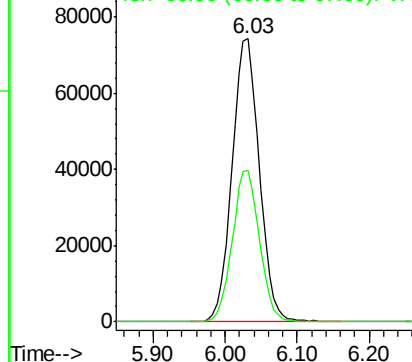
Ion Ratio Lower Upper

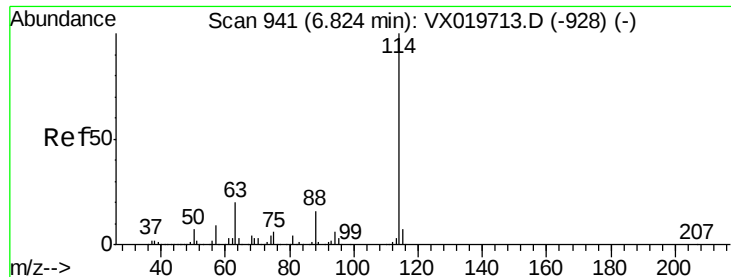
65 100

67 53.3 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: VX020073.D

Acq: 16 Dec 2020 18:17

Instrument :

MSVOA_X

ClientSampleId :

ID039-TB-120720

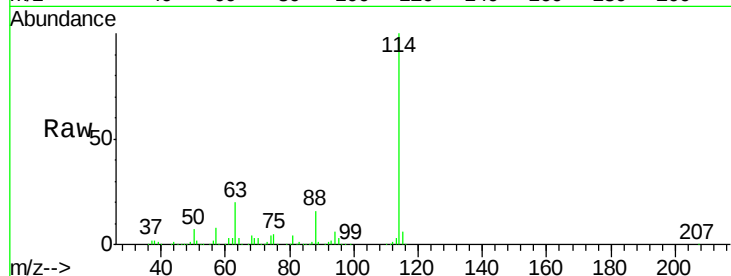
Tgt Ion:114 Resp: 502748

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.8

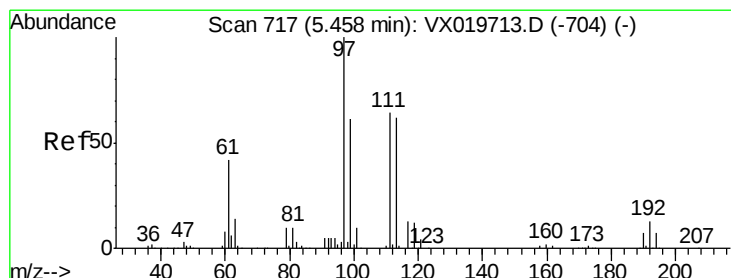
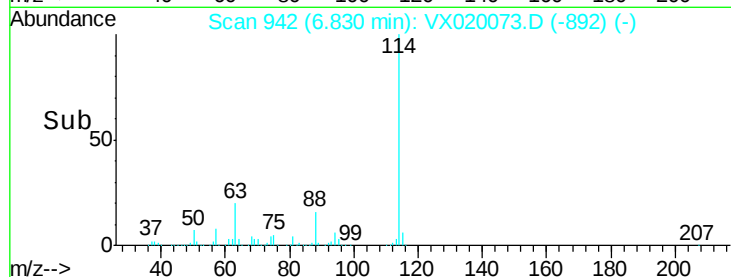
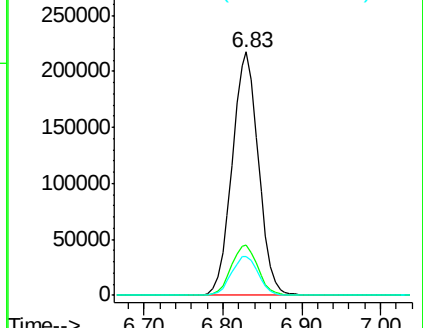
88 16.1 0.0 32.8



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: 48.385 ug/l

RT: 5.46 min Scan# 717

Delta R.T. 0.00 min

Lab File: VX020073.D

Acq: 16 Dec 2020 18:17

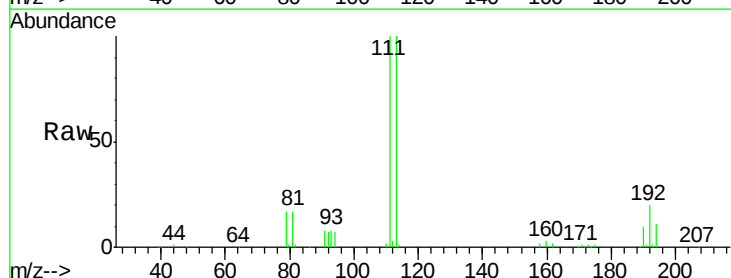
Tgt Ion:113 Resp: 157213

Ion Ratio Lower Upper

113 100

111 102.3 81.9 122.9

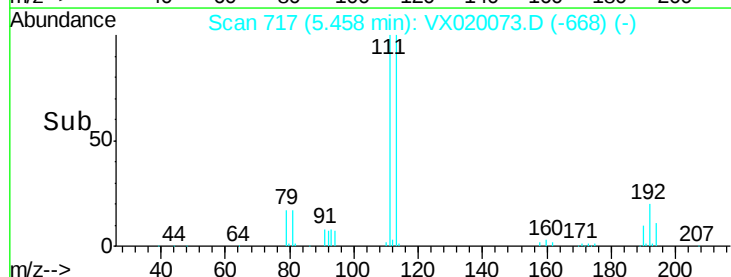
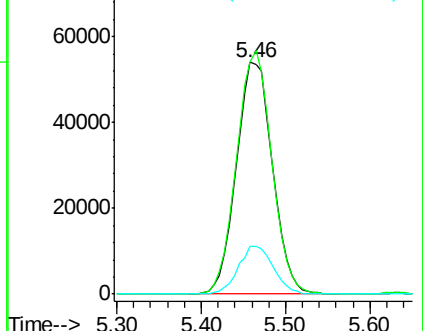
192 20.2 16.7 25.1

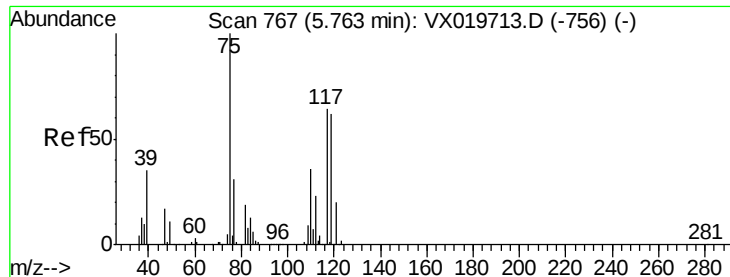


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.117 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX020073.D

Acq: 16 Dec 2020 18:17

Instrument :

MSVOA_X

ClientSampleId :

ID039-TB-120720

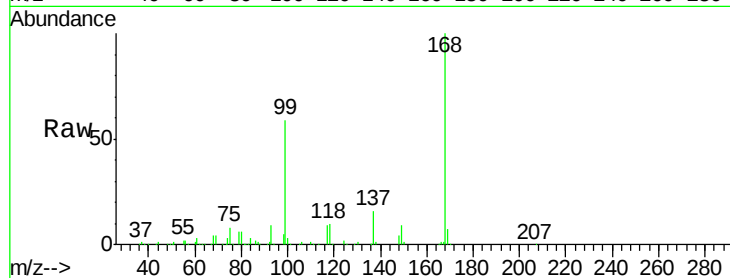
Tgt Ion: 75 Resp: 23247

Ion Ratio Lower Upper

75 100

110 9.1 18.1 54.4#

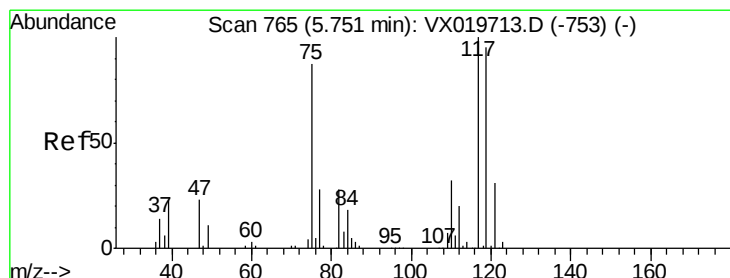
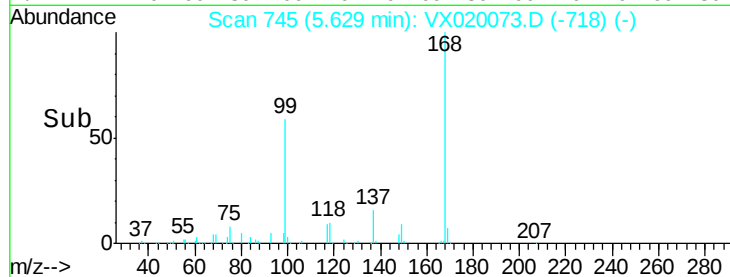
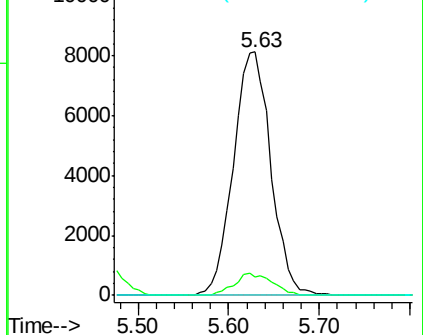
77 0.0 25.3 37.9#



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: 6.647 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX020073.D

Acq: 16 Dec 2020 18:17

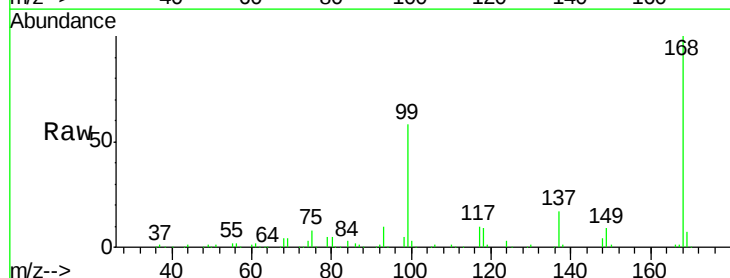
Tgt Ion: 117 Resp: 29570

Ion Ratio Lower Upper

117 100

119 6.7 76.2 114.2#

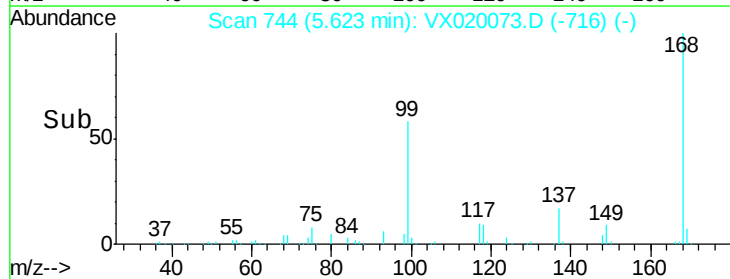
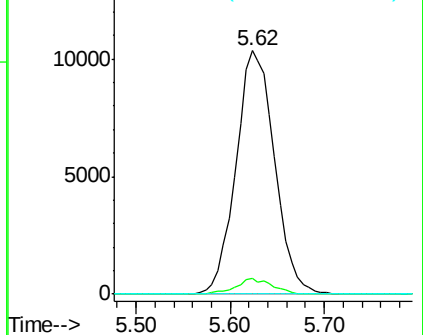
121 0.0 24.8 37.2#

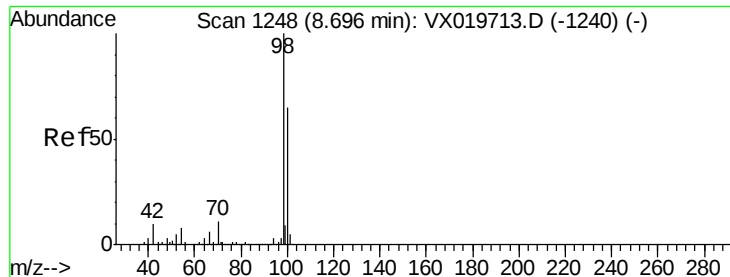


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 49.489 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX020073.D

Acq: 16 Dec 2020 18:17

Instrument :

MSVOA_X

ClientSampleId :

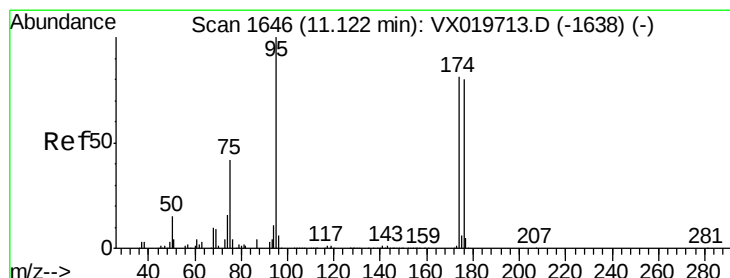
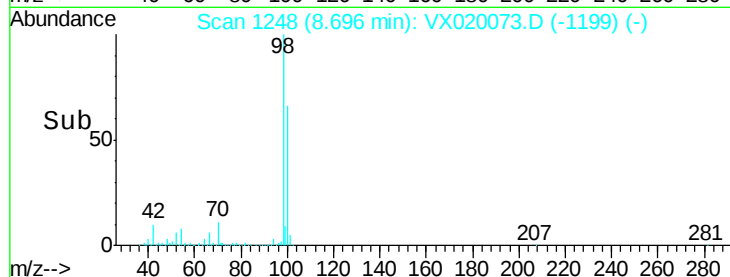
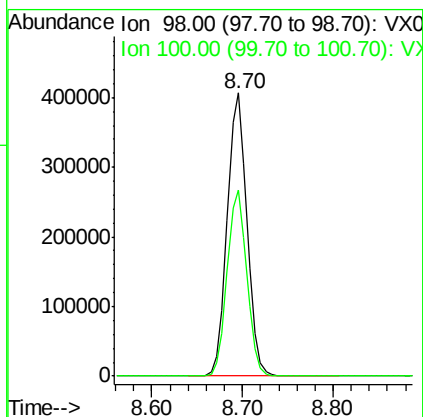
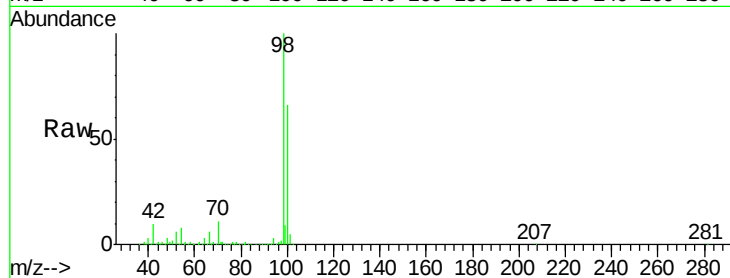
ID039-TB-120720

Tgt Ion: 98 Resp: 613893

Ion Ratio Lower Upper

98 100

100 65.7 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 45.757 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX020073.D

Acq: 16 Dec 2020 18:17

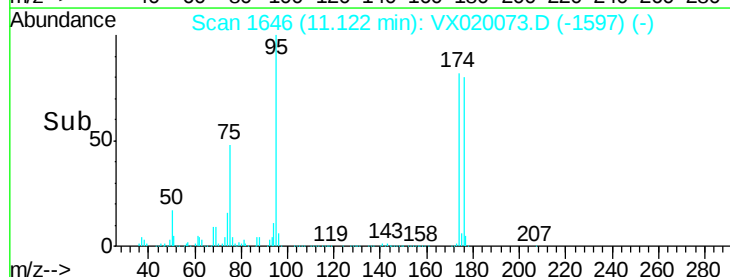
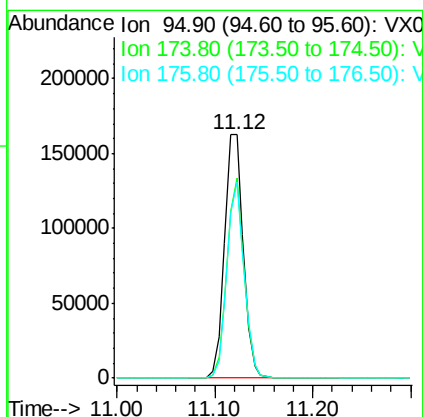
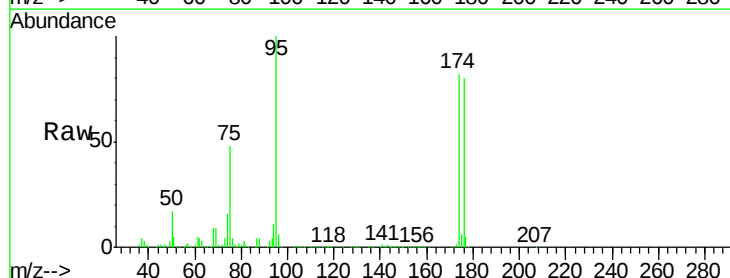
Tgt Ion: 95 Resp: 216032

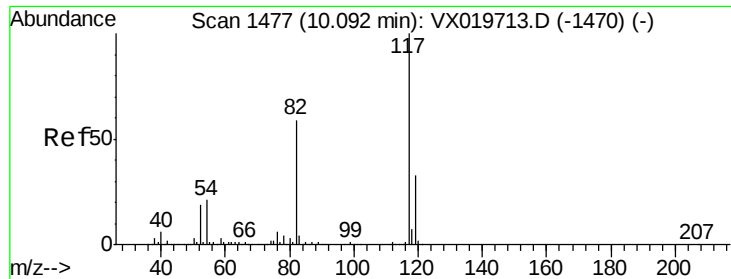
Ion Ratio Lower Upper

95 100

174 75.9 0.0 154.6

176 74.5 0.0 155.8

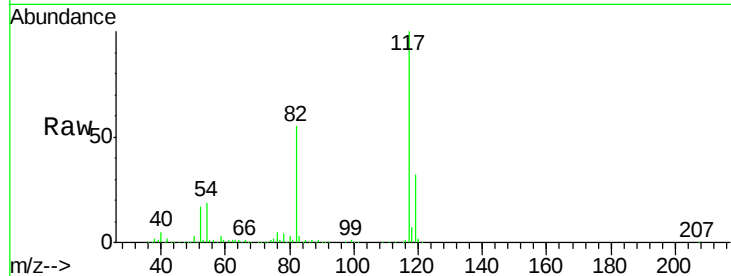




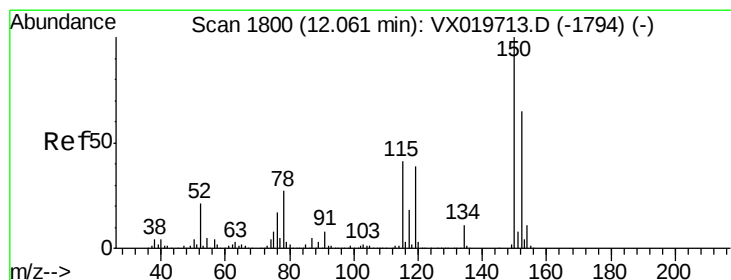
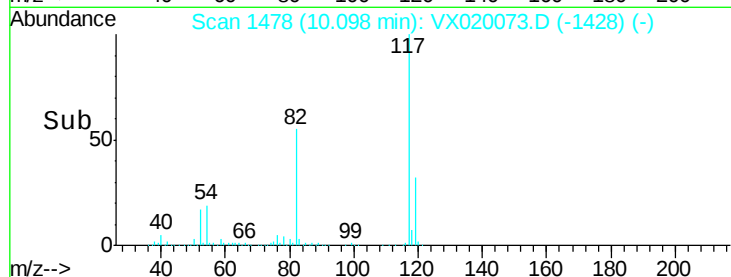
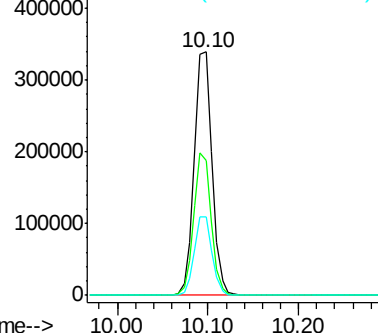
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.01 min
Lab File: VX020073.D
Acq: 16 Dec 2020 18:17

Instrument :
MSVOA_X
ClientSampleId :
ID039-TB-120720

Tgt Ion:117 Resp: 467608
Ion Ratio Lower Upper
117 100
82 55.2 47.4 71.2
119 32.0 26.6 39.8

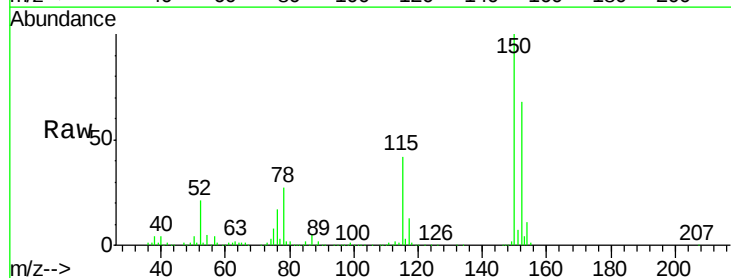


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

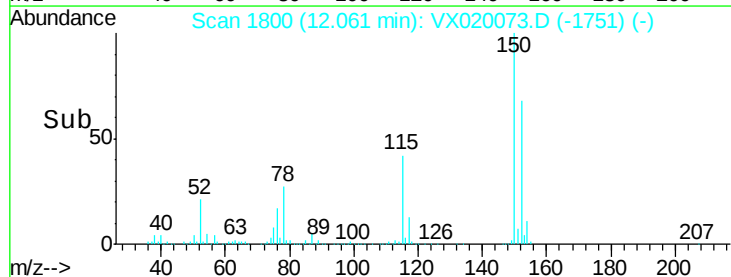
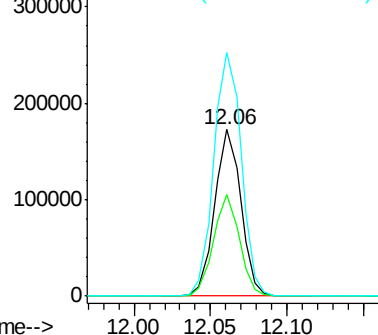


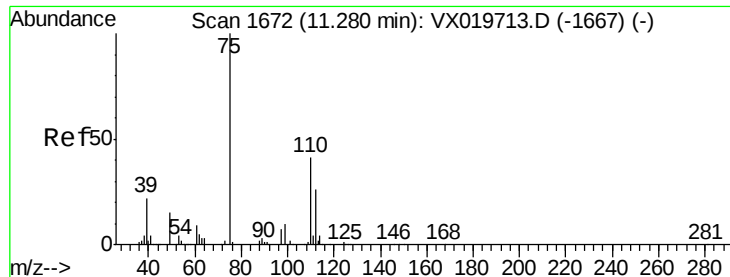
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX020073.D
Acq: 16 Dec 2020 18:17

Tgt Ion:152 Resp: 204827
Ion Ratio Lower Upper
152 100
115 60.4 41.1 123.3
150 153.8 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: 22.898 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.16 min

Lab File: VX020073.D

Acq: 16 Dec 2020 18:17

Instrument :

MSVOA_X

ClientSampleId :

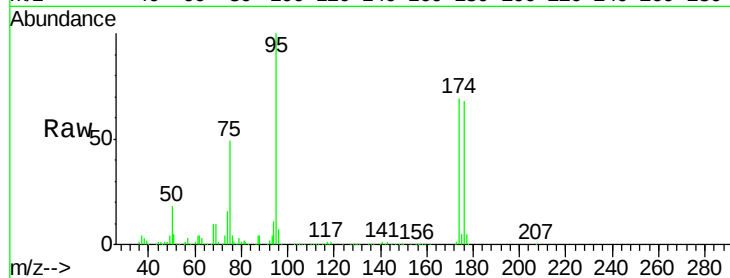
ID039-TB-120720

Tgt Ion: 75 Resp: 105191

Ion Ratio Lower Upper

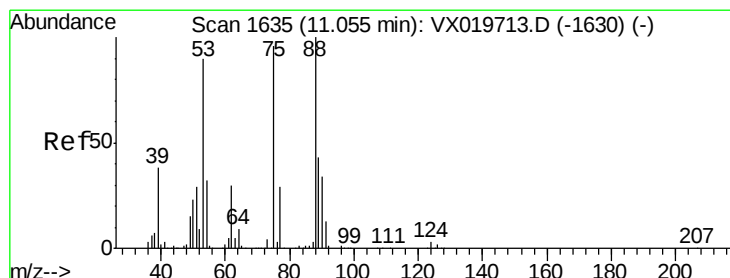
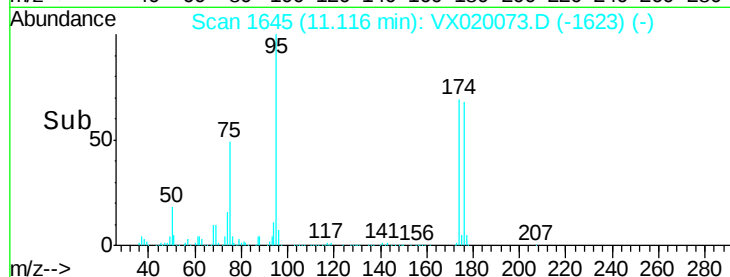
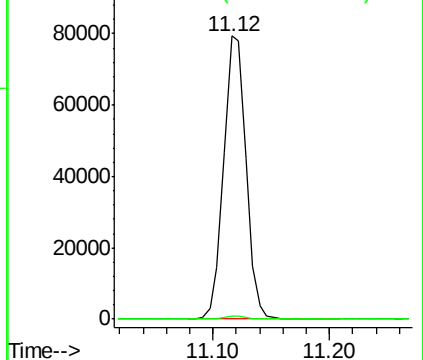
75 100

77 1.3 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: 66.194 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. 0.06 min

Lab File: VX020073.D

Acq: 16 Dec 2020 18:17

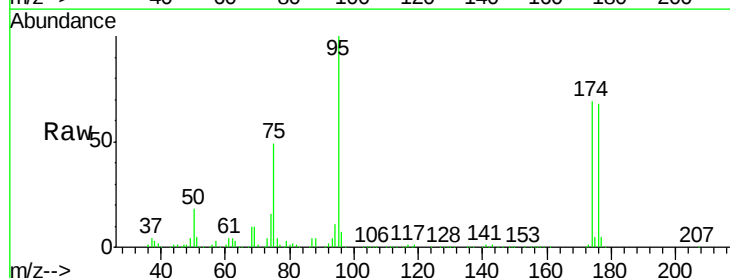
Tgt Ion: 75 Resp: 105191

Ion Ratio Lower Upper

75 100

53 0.1 74.5 111.7#

89 0.0 37.9 56.9#



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

