

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121720\
 Data File : VX020075.D
 Acq On : 16 Dec 2020 19:03
 Operator : JC/MD
 Sample : L5053-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-20201209

Quant Time: Dec 17 00:32:36 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	293615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	493083	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	453268	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	196019	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	192183	49.80	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.60%		
35) Dibromofluoromethane	5.46	113	153674	48.22	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.44%		
50) Toluene-d8	8.70	98	591874	48.65	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.30%		
62) 4-Bromofluorobenzene	11.12	95	211029	45.57	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.14%		

Target Compounds

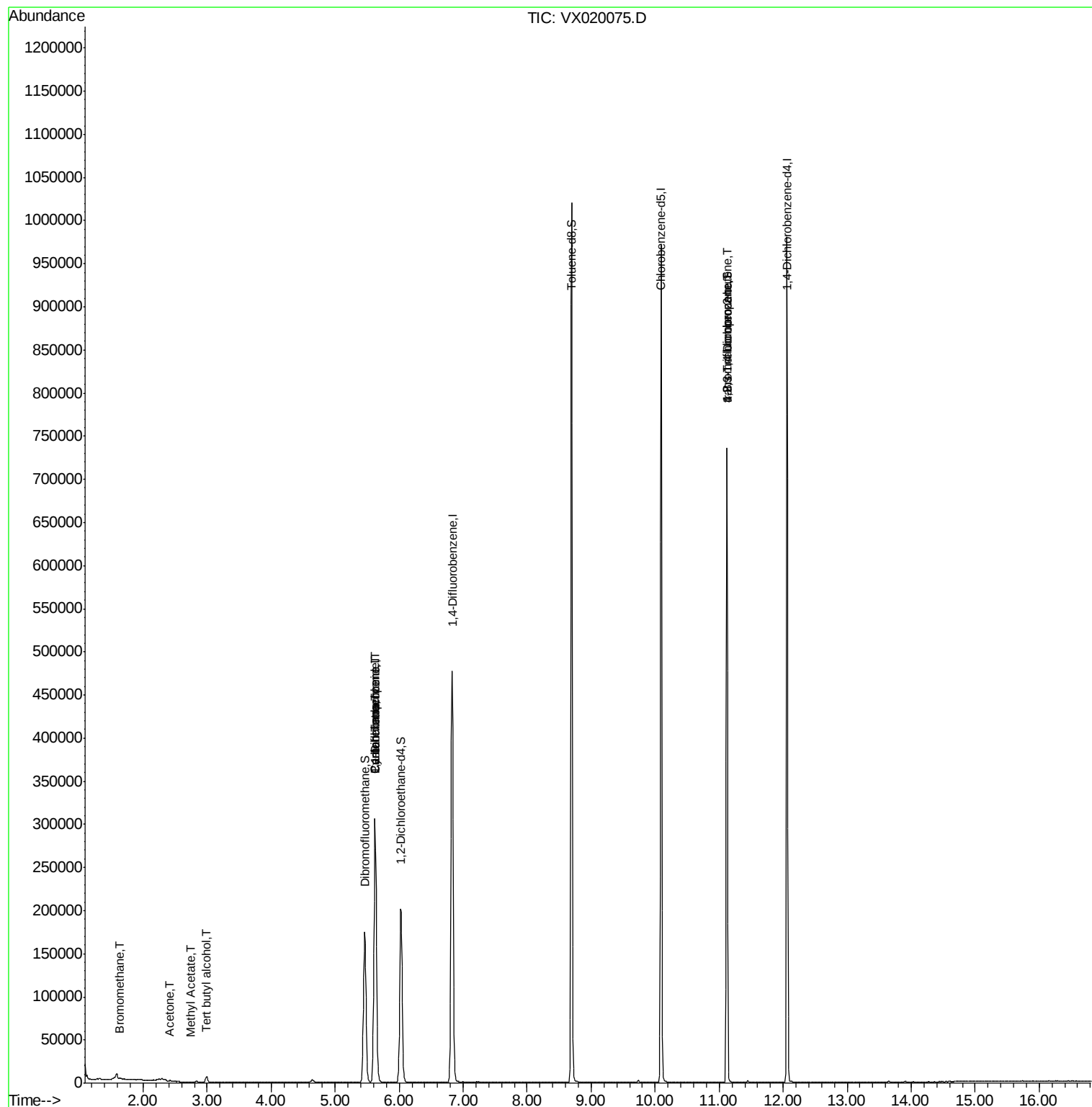
					Qvalue	
5) Bromomethane	1.64	94	624	0.564	ug/l #	50
11) Tert butyl alcohol	3.00	59	3964	2.409	ug/l #	73
16) Acetone	2.42	43	892	0.615	ug/l	95
18) Methyl Acetate	2.74	43	936	0.264	ug/l #	73
20) Methylene Chloride	2.84	84	853	Below Cal		93
31) Cyclohexane	5.63	56	5733	1.194	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	22736	5.103	ug/l #	48
38) Carbon Tetrachloride	5.62	117	29494	6.760	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	102012	23.204	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	102012	67.078	ug/l #	12

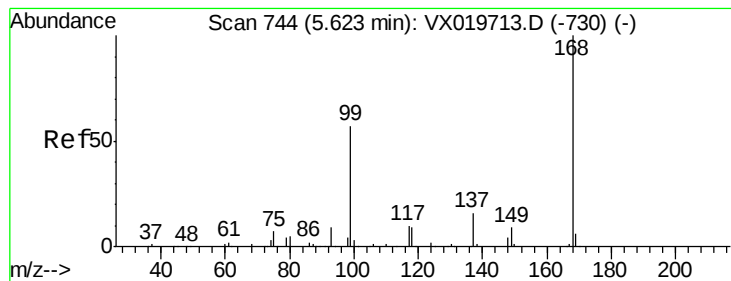
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121720\
Data File : VX020075.D
Acq On : 16 Dec 2020 19:03
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Sample : L5053-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-20201209

Quant Time: Dec 17 00:32:36 2020
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: VX020075.D

Acq: 16 Dec 2020 19:03

Instrument :

MSVOA_X

ClientSampleId :

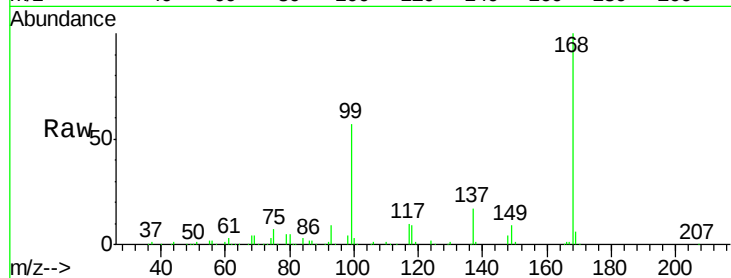
TB-20201209

Tgt Ion:168 Resp: 293615

Ion Ratio Lower Upper

168 100

99 56.6 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

120000

100000

80000

60000

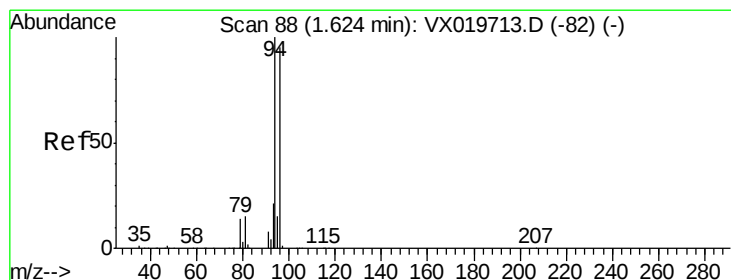
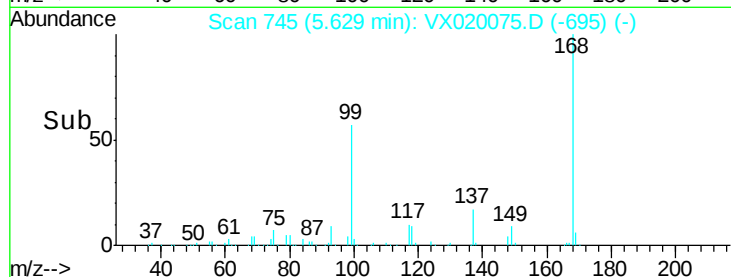
40000

20000

0

5.60 5.80

Time-->



#5

Bromomethane

Concen: 0.564 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX020075.D

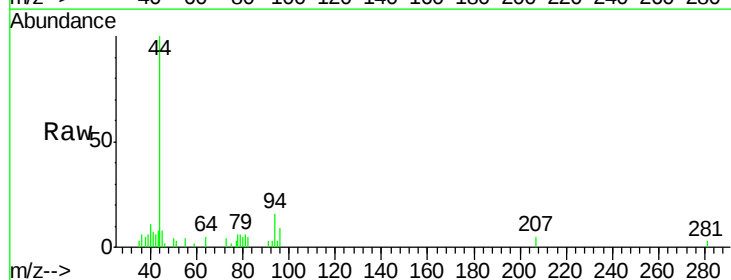
Acq: 16 Dec 2020 19:03

Tgt Ion: 94 Resp: 624

Ion Ratio Lower Upper

94 100

96 46.7 76.4 114.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

400

300

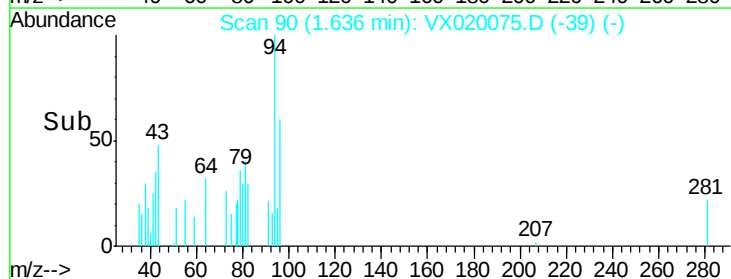
200

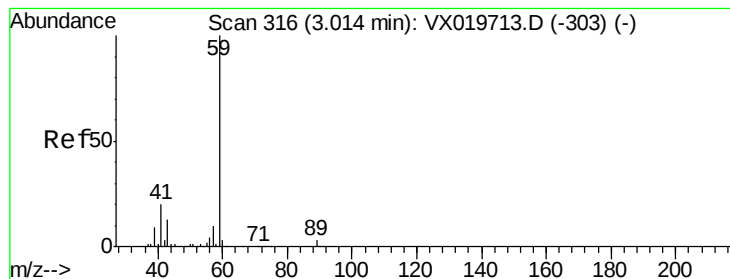
100

0

1.60 1.65 1.70

Time-->





#11

Tert butyl alcohol

Concen: 2.409 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX020075.D

Acq: 16 Dec 2020 19:03

Instrument :

MSVOA_X

ClientSampleId :

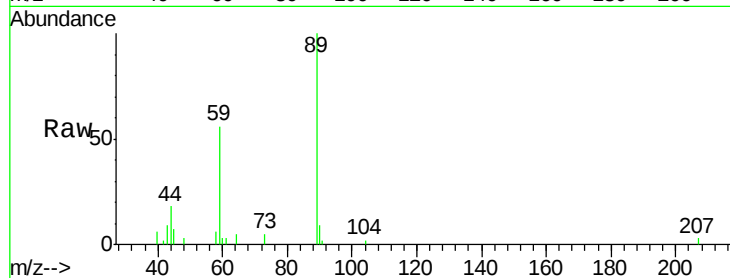
TB-20201209

Tgt Ion: 59 Resp: 3964

Ion Ratio Lower Upper

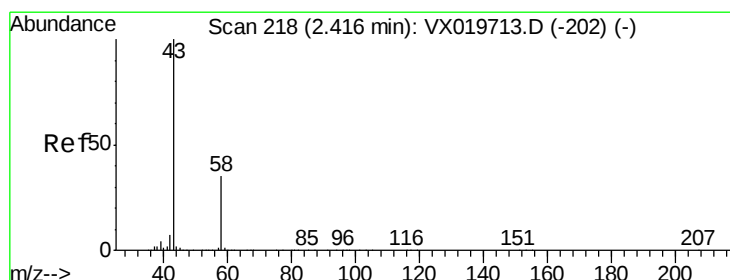
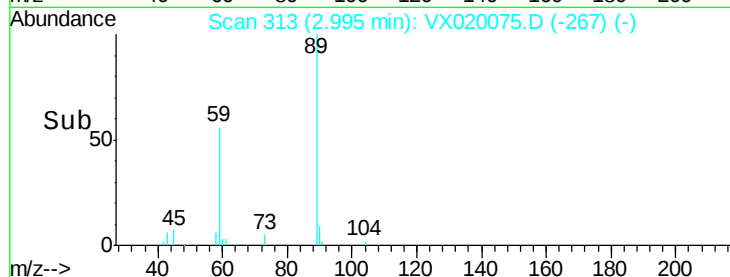
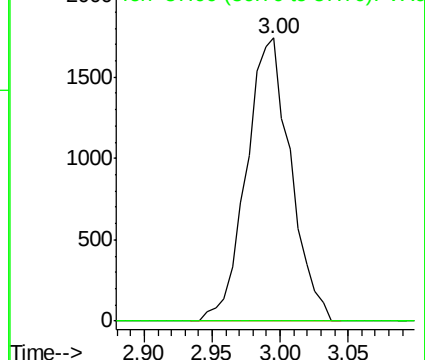
59 100

57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#16

Acetone

Concen: 0.615 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX020075.D

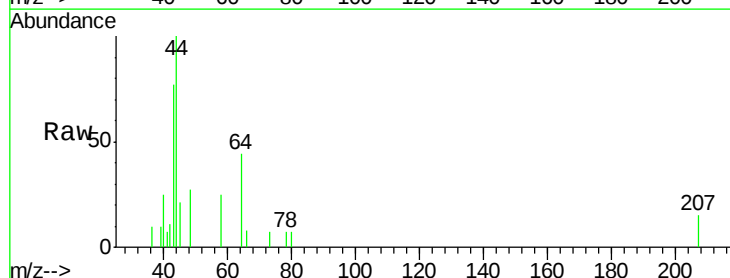
Acq: 16 Dec 2020 19:03

Tgt Ion: 43 Resp: 892

Ion Ratio Lower Upper

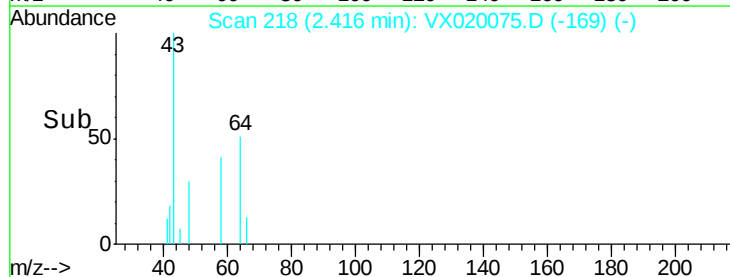
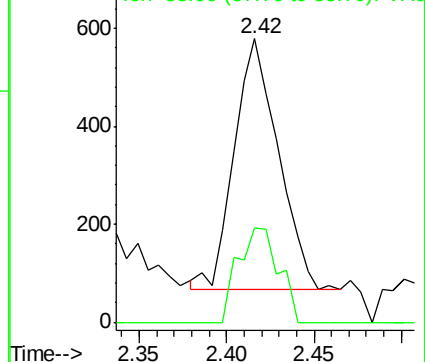
43 100

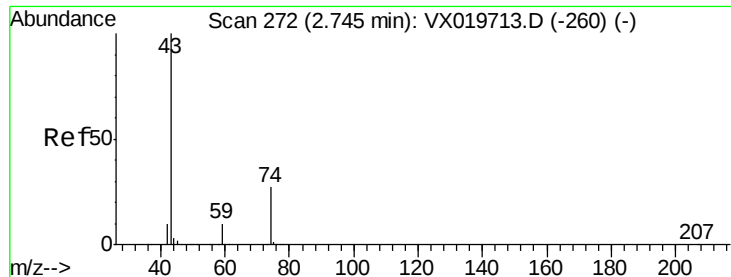
58 37.6 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

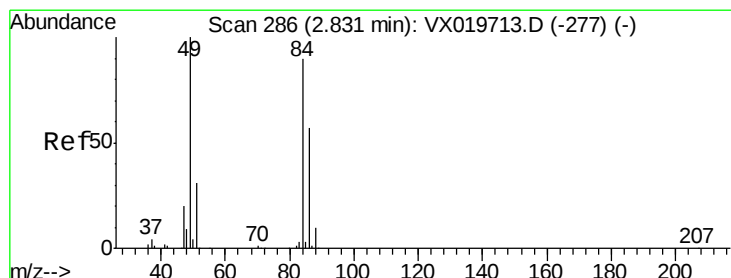
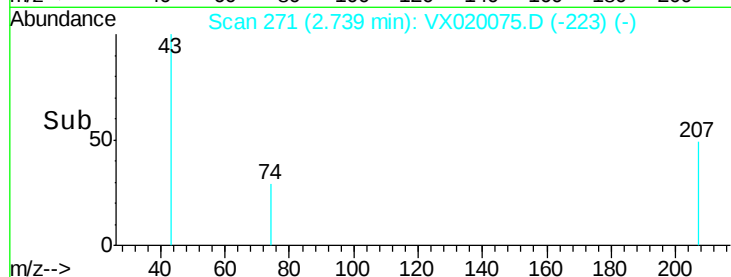
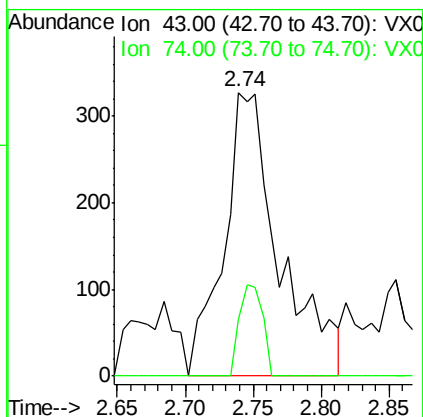
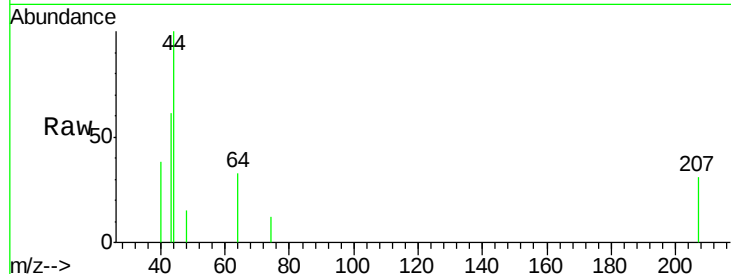




#18
Methyl Acetate
Concen: 0.264 ug/l
RT: 2.74 min Scan# 271
Delta R.T. -0.01 min
Lab File: VX020075.D
Acq: 16 Dec 2020 19:03

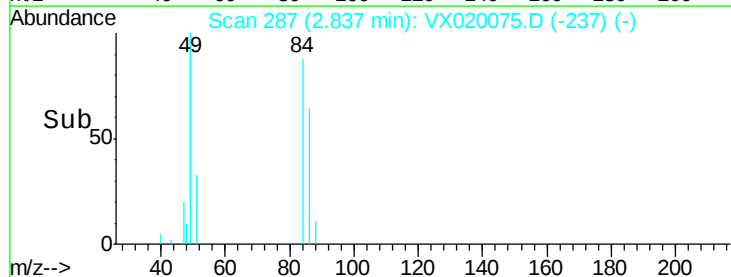
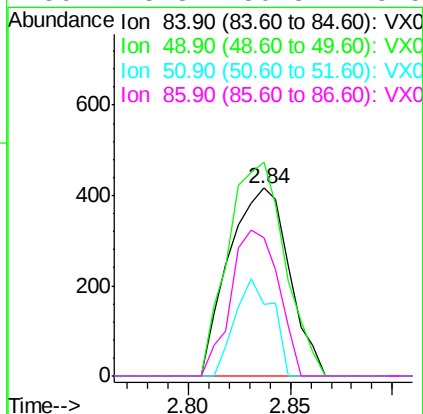
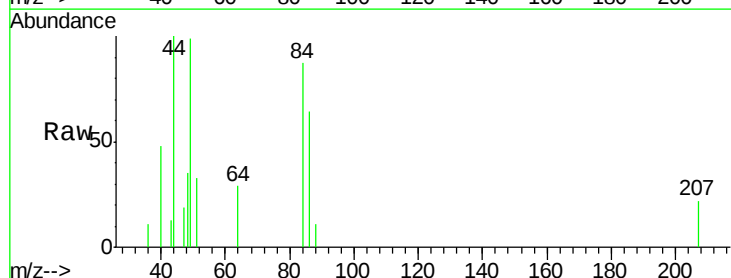
Instrument :
MSVOA_X
ClientSampled :
TB-20201209

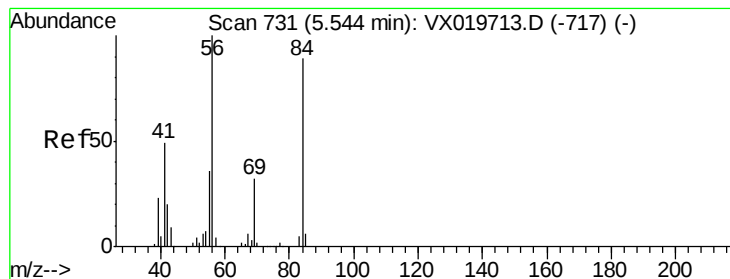
Tgt Ion: 43 Resp: 936
Ion Ratio Lower Upper
43 100
74 13.2 21.9 32.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX020075.D
Acq: 16 Dec 2020 19:03

Tgt Ion: 84 Resp: 853
Ion Ratio Lower Upper
84 100
49 113.7 88.6 132.8
51 38.0 27.0 40.6
86 73.3 50.3 75.5





#31

Cyclohexane

Concen: 1.194 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.09 min

Lab File: VX020075.D

Acq: 16 Dec 2020 19:03

Instrument :

MSVOA_X

ClientSampled :

TB-20201209

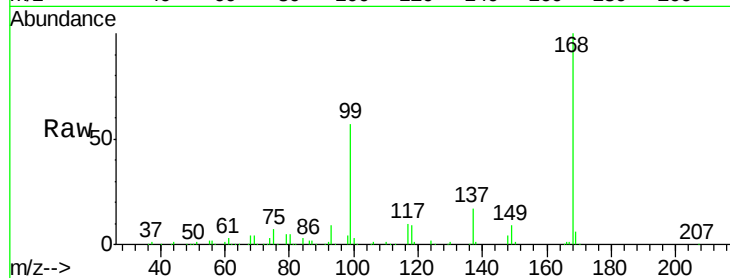
Tgt Ion: 56 Resp: 5733

Ion Ratio Lower Upper

56 100

69 189.6 25.3 37.9#

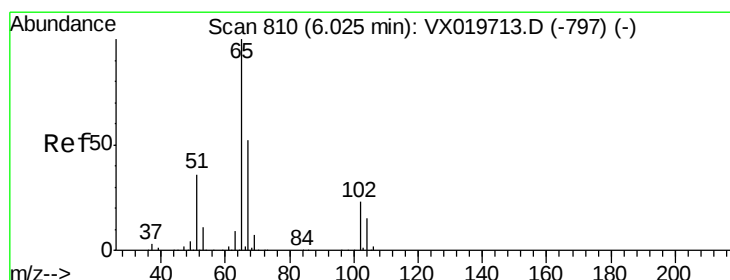
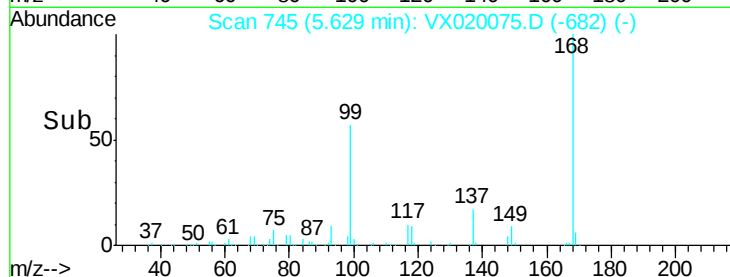
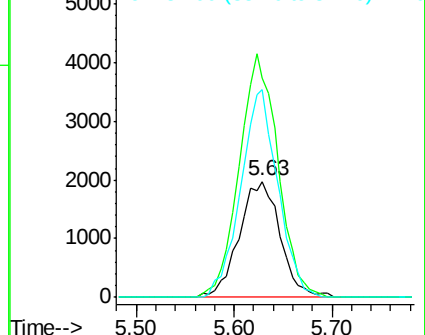
84 179.0 71.4 107.0#



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: 49.802 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.00 min

Lab File: VX020075.D

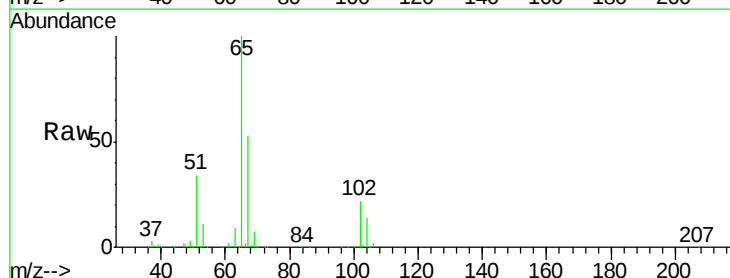
Acq: 16 Dec 2020 19:03

Tgt Ion: 65 Resp: 192183

Ion Ratio Lower Upper

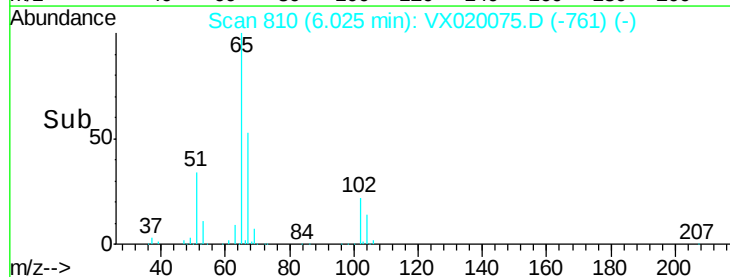
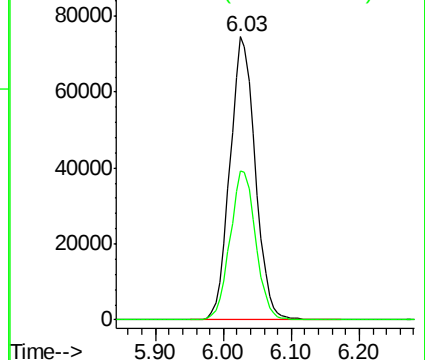
65 100

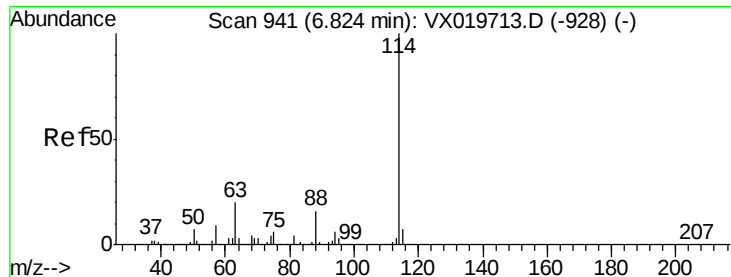
67 53.3 0.0 105.4



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: VX020075.D

Acq: 16 Dec 2020 19:03

Instrument :

MSVOA_X

ClientSampleId :

TB-20201209

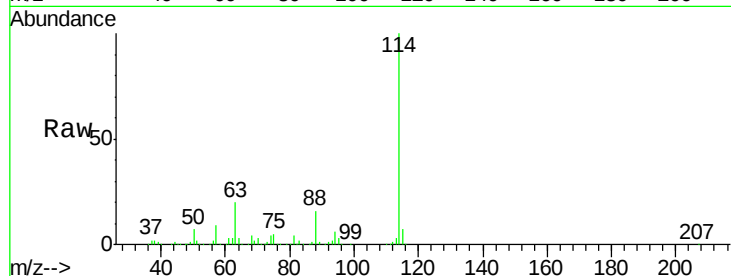
Tgt Ion:114 Resp: 493083

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

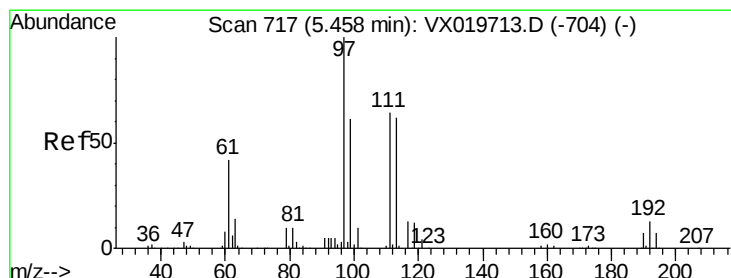
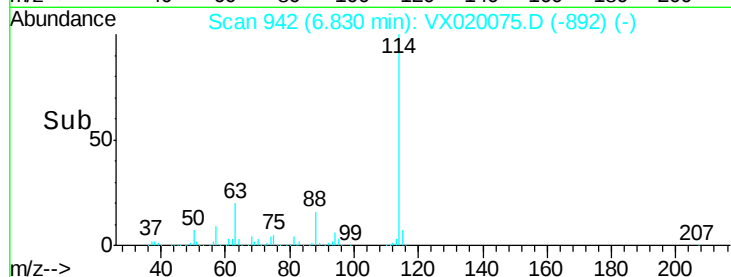
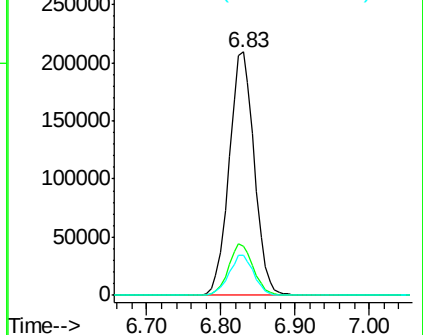
88 16.3 0.0 32.8



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: 48.223 ug/l

RT: 5.46 min Scan# 717

Delta R.T. -0.00 min

Lab File: VX020075.D

Acq: 16 Dec 2020 19:03

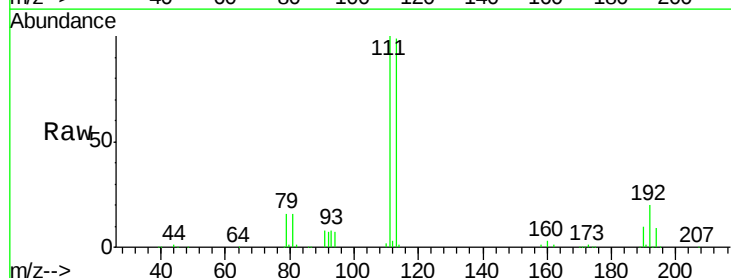
Tgt Ion:113 Resp: 153674

Ion Ratio Lower Upper

113 100

111 102.2 81.9 122.9

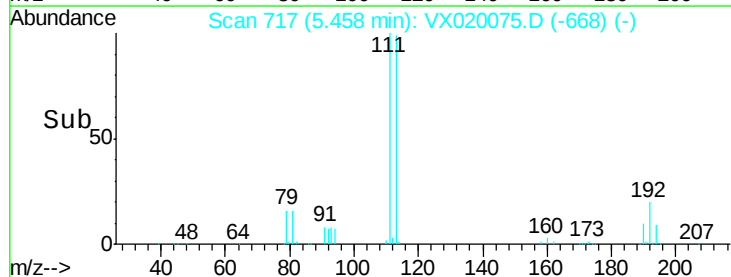
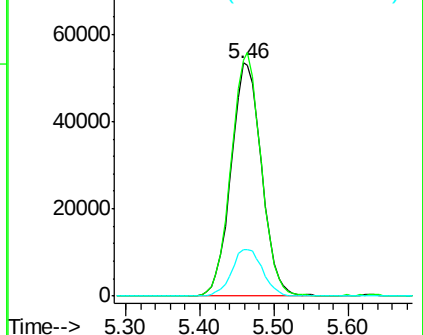
192 20.3 16.7 25.1

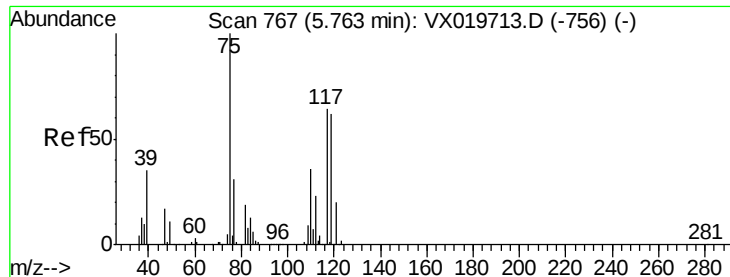


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

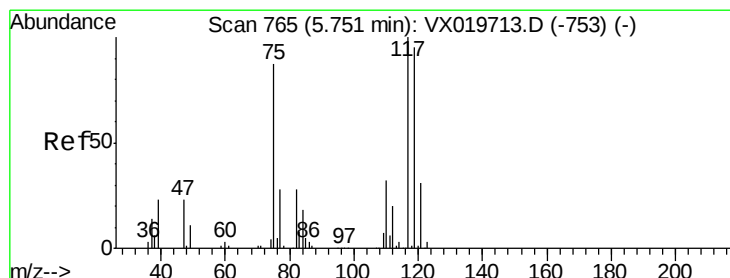
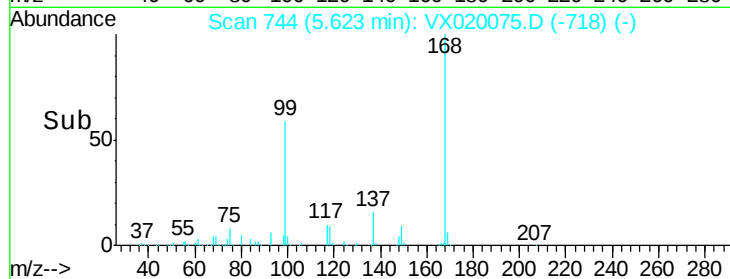
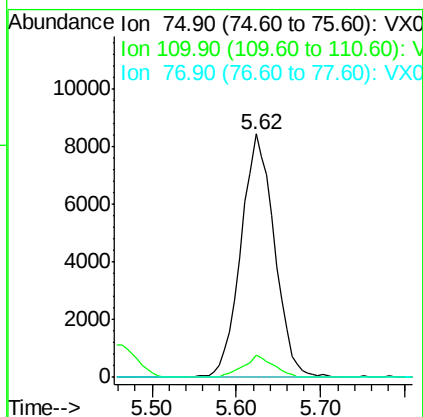
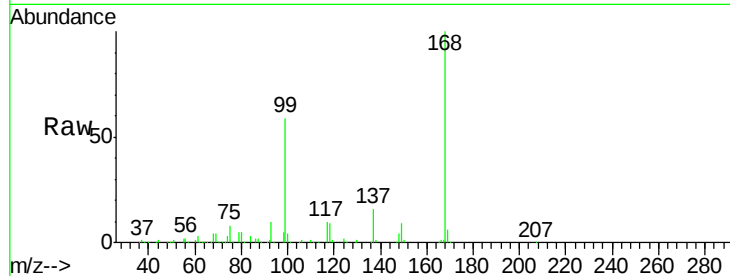




#36
 1,1-Dichloropropene
 Concen: 5.103 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.14 min
 Lab File: VX020075.D
 Acq: 16 Dec 2020 19:03

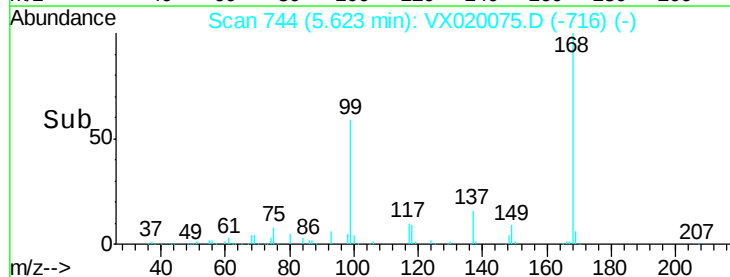
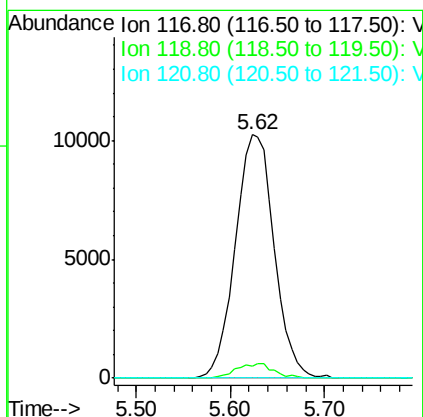
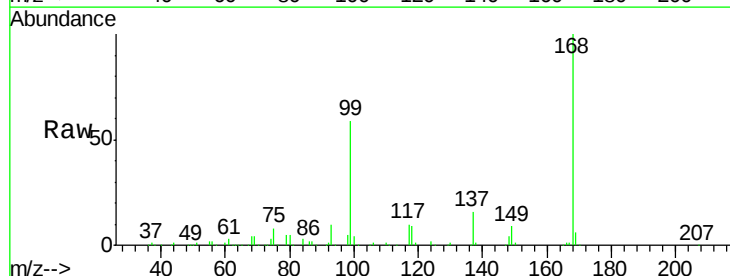
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-20201209

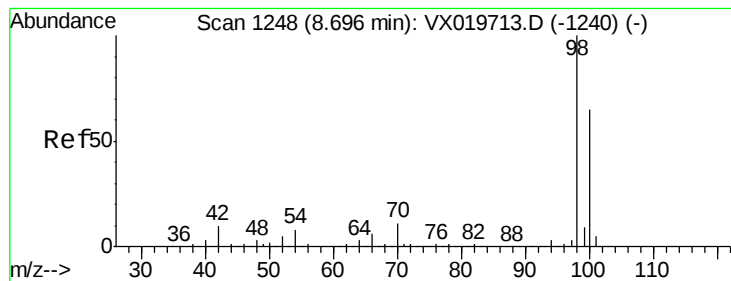
Tgt Ion: 75 Resp: 22736
 Ion Ratio Lower Upper
 75 100
 110 8.2 18.1 54.4#
 77 0.0 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 6.760 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.13 min
 Lab File: VX020075.D
 Acq: 16 Dec 2020 19:03

Tgt Ion: 117 Resp: 29494
 Ion Ratio Lower Upper
 117 100
 119 5.1 76.2 114.2#
 121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 48.650 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX020075.D

Acq: 16 Dec 2020 19:03

Instrument :

MSVOA_X

ClientSampleId :

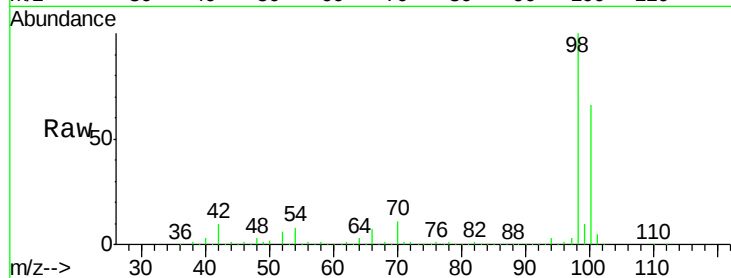
TB-20201209

Tgt Ion: 98 Resp: 591874

Ion Ratio Lower Upper

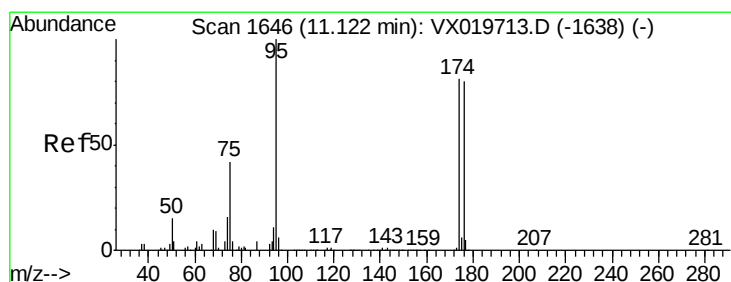
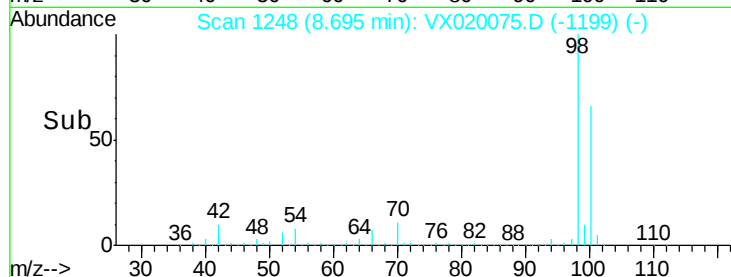
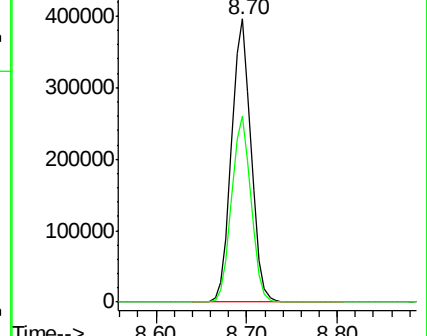
98 100

100 65.5 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 45.573 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX020075.D

Acq: 16 Dec 2020 19:03

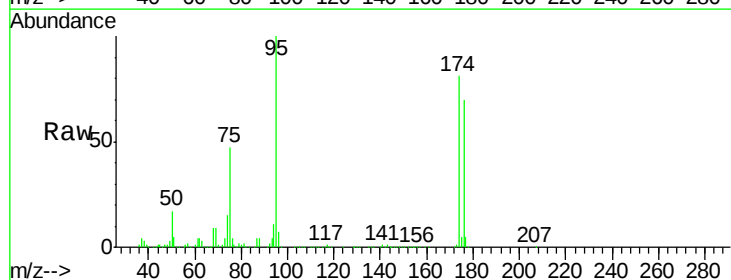
Tgt Ion: 95 Resp: 211029

Ion Ratio Lower Upper

95 100

174 77.8 0.0 154.6

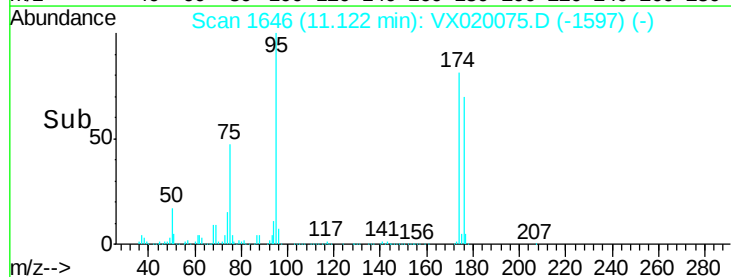
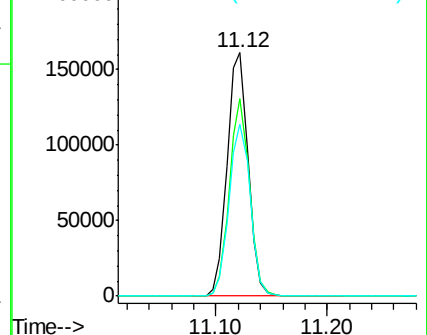
176 71.4 0.0 155.8

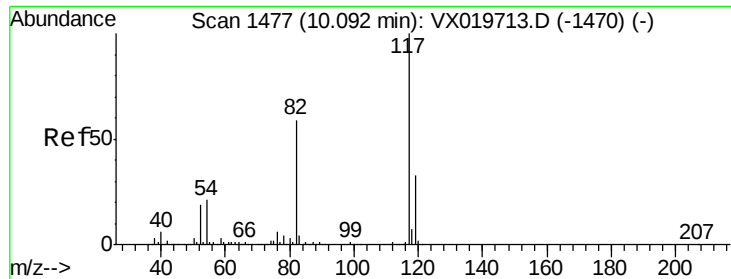


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

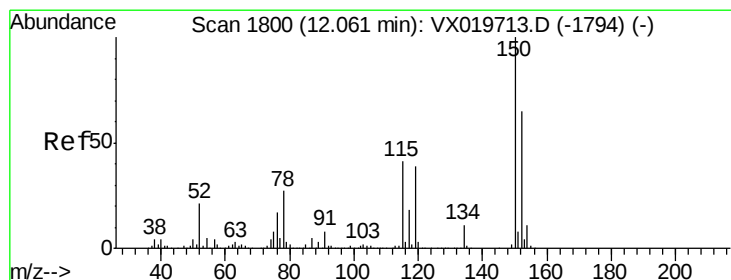
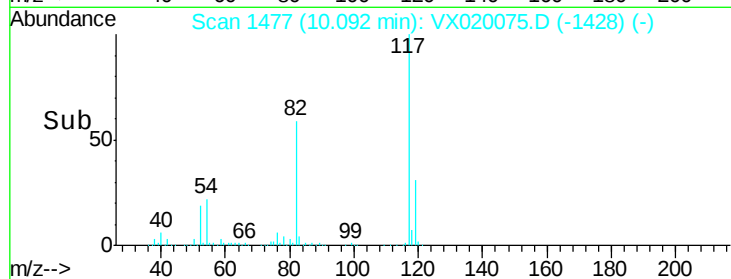
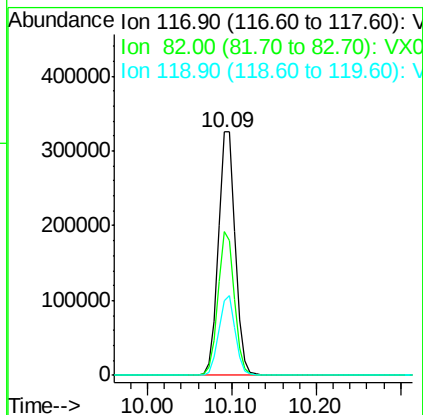
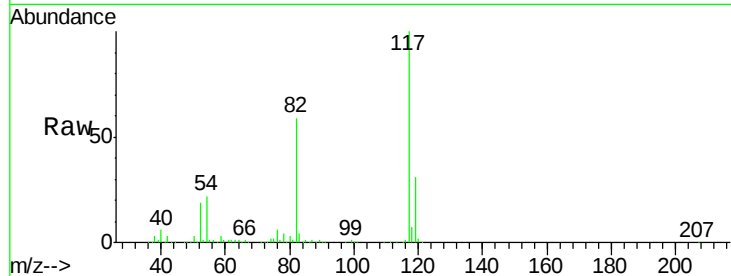




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.09 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX020075.D
Acq: 16 Dec 2020 19:03

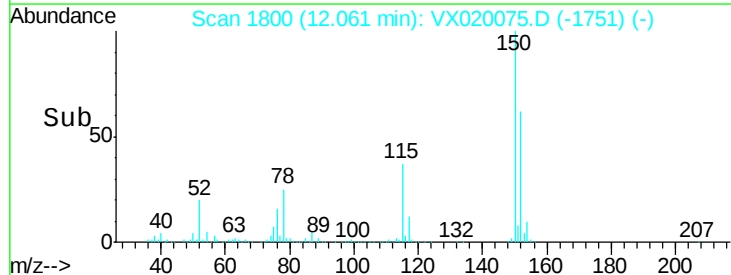
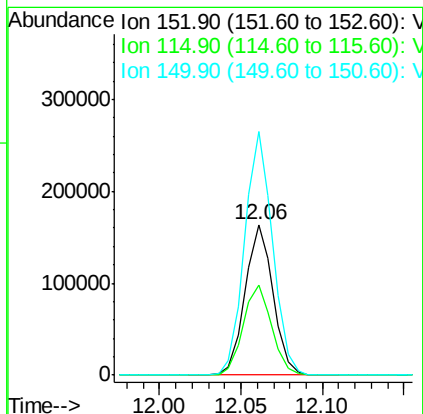
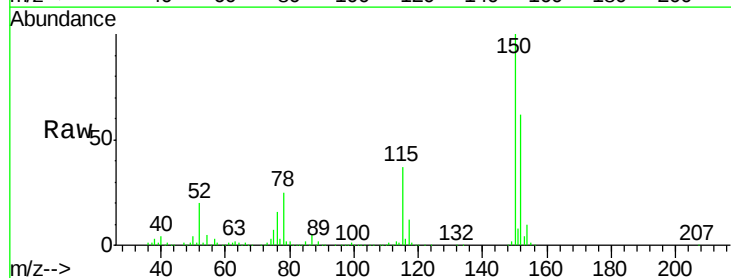
Instrument :
MSVOA_X
ClientSampleId :
TB-20201209

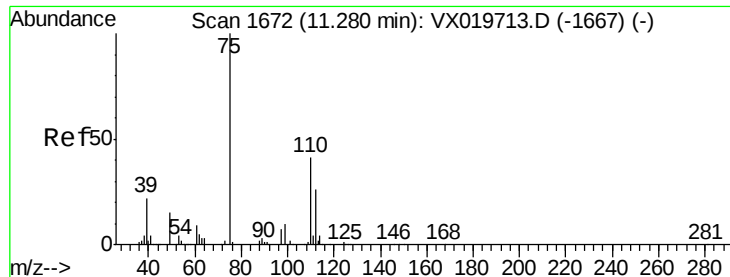
Tgt Ion:117 Resp: 453268
Ion Ratio Lower Upper
117 100
82 59.1 47.4 71.2
119 30.7 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX020075.D
Acq: 16 Dec 2020 19:03

Tgt Ion:152 Resp: 196019
Ion Ratio Lower Upper
152 100
115 60.3 41.1 123.3
150 161.6 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 23.204 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX020075.D

Acq: 16 Dec 2020 19:03

Instrument :

MSVOA_X

ClientSampleId :

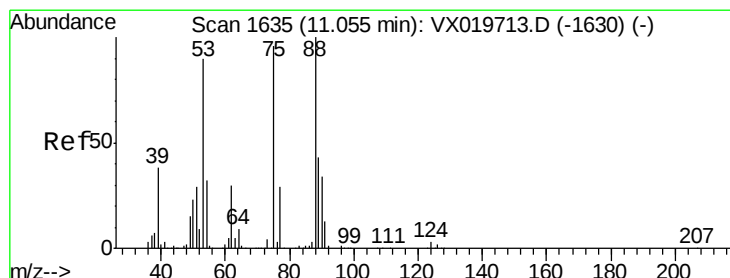
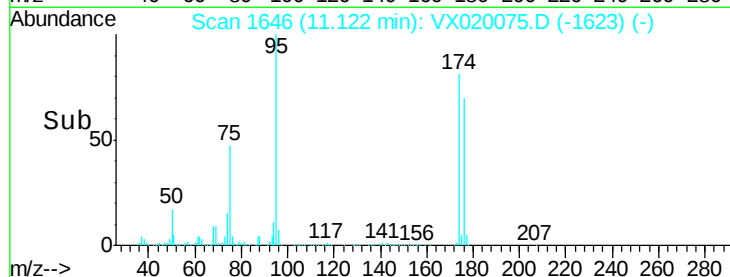
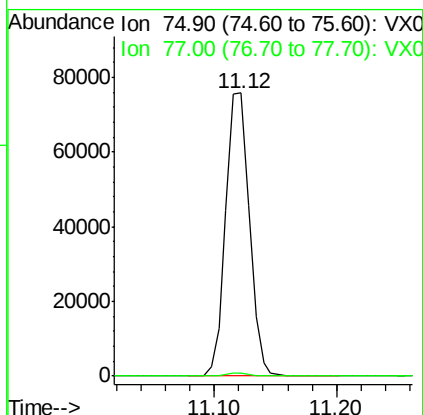
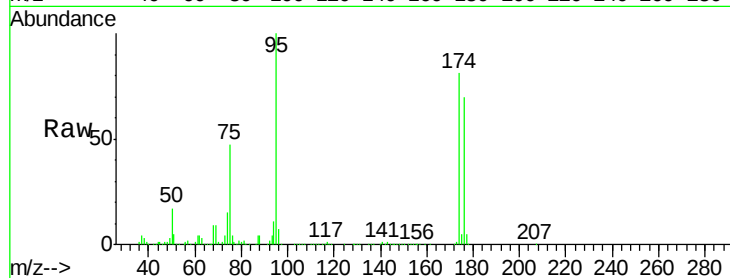
TB-20201209

Tgt Ion: 75 Resp: 102012

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.078 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX020075.D

Acq: 16 Dec 2020 19:03

Tgt Ion: 75 Resp: 102012

Ion Ratio Lower Upper

75 100

53 0.1 74.5 111.7#

89 0.0 37.9 56.9#

