

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121720\
 Data File : VX020101.D
 Acq On : 17 Dec 2020 05:54
 Operator : JC/MD
 Sample : L5043-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FIELD-BLANK

Quant Time: Dec 17 06:52:39 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	293740	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	501435	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	470272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	201772	50.00	ug/l	0.00

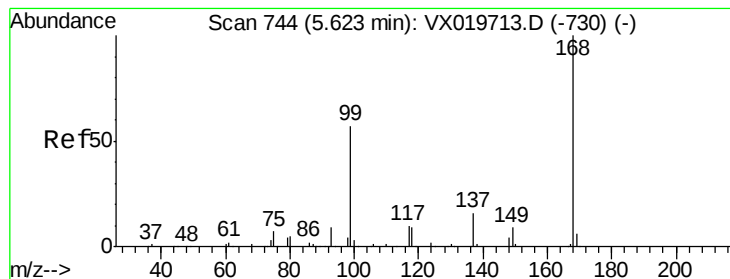
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	196637	50.93	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	101.86%		
35) Dibromofluoromethane	5.46	113	157710	48.67	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.34%		
50) Toluene-d8	8.70	98	612150	49.48	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.96%		
62) 4-Bromofluorobenzene	11.12	95	214536	45.56	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.12%		

Target Compounds

					Qvalue	
5) Bromomethane	1.63	94	476	0.430	ug/l	97
11) Tert butyl alcohol	3.00	59	4681	3.319	ug/l #	73
13) Acrolein	2.29	56	141	0.331	ug/l #	75
16) Acetone	2.42	43	1181	0.814	ug/l #	85
18) Methyl Acetate	2.75	43	1503	0.423	ug/l #	80
20) Methylene Chloride	2.84	84	745	Below Cal	#	88
31) Cyclohexane	5.63	56	5702	1.187	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	22837	5.040	ug/l #	48
38) Carbon Tetrachloride	5.63	117	29016	6.539	ug/l #	17
76) 1,2,3-Trichloropropane	11.12	75	104838	23.167	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	104838	66.970	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX020101.D

Acq: 17 Dec 2020 05:54

Instrument :

MSVOA_X

ClientSampleId :

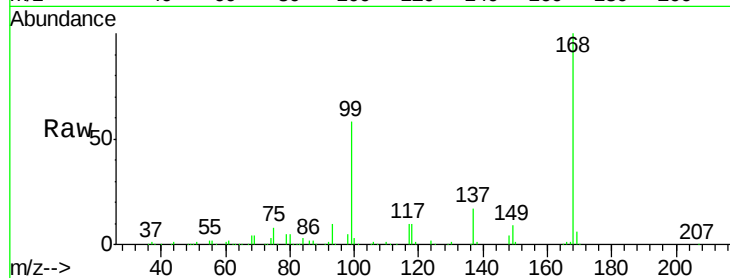
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Tgt Ion: 168 Resp: 293740

Ion Ratio Lower Upper

168 100

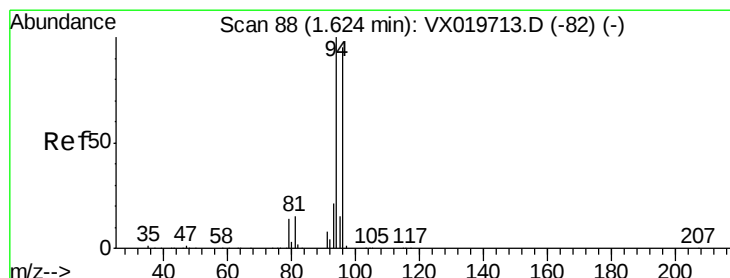
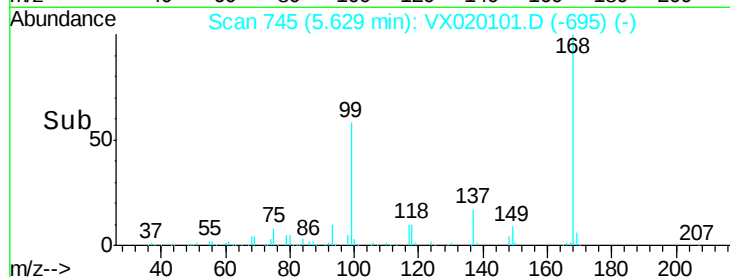
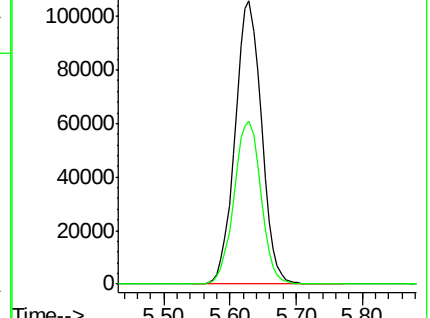
99 57.7 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63



#5

Bromomethane

Concen: 0.430 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX020101.D

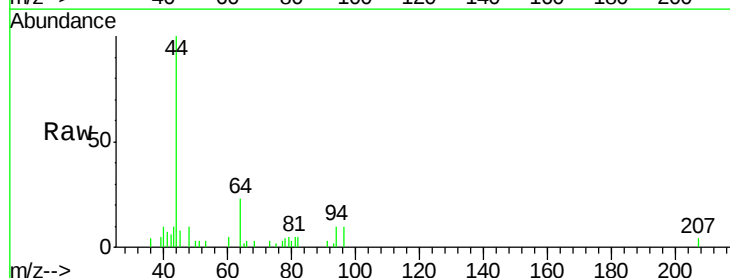
Acq: 17 Dec 2020 05:54

Tgt Ion: 94 Resp: 476

Ion Ratio Lower Upper

94 100

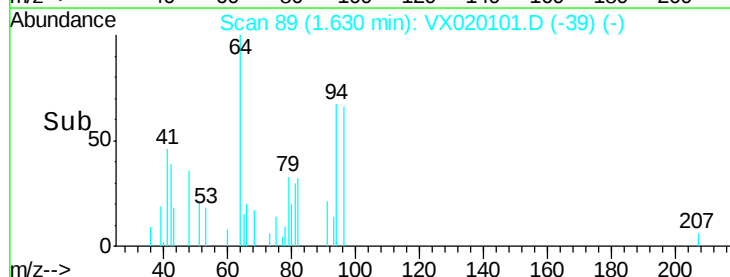
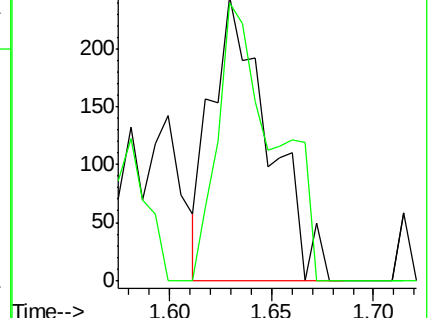
96 98.0 76.4 114.6

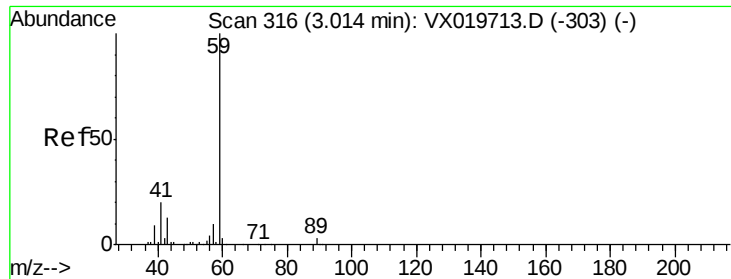


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

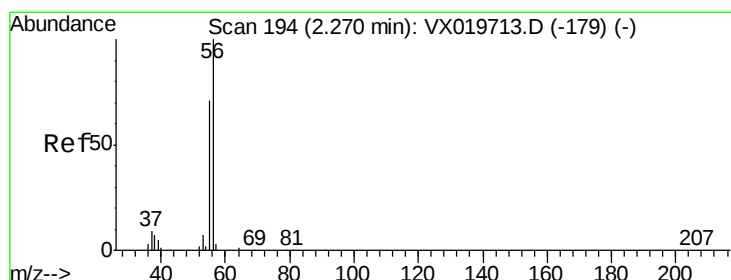
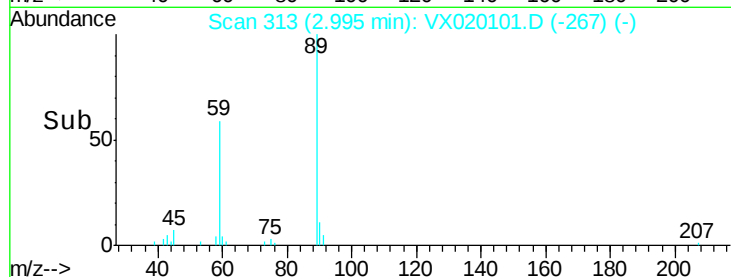
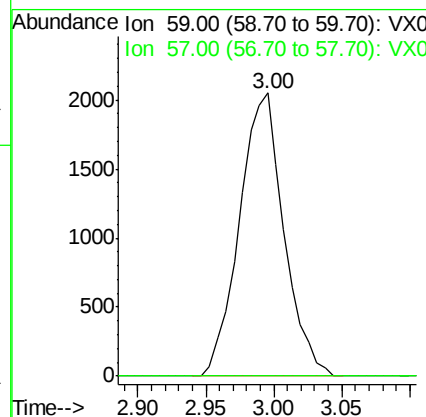
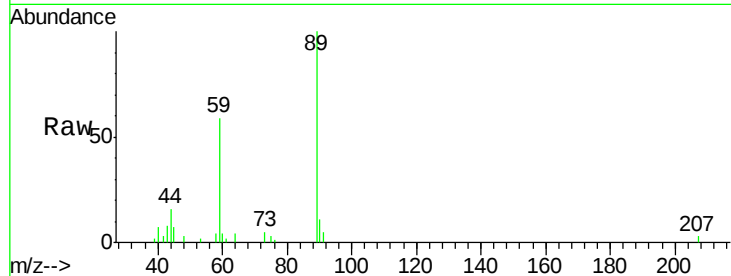




#11
Tert butyl alcohol
Concen: 3.319 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX020101.D
Acq: 17 Dec 2020 05:54

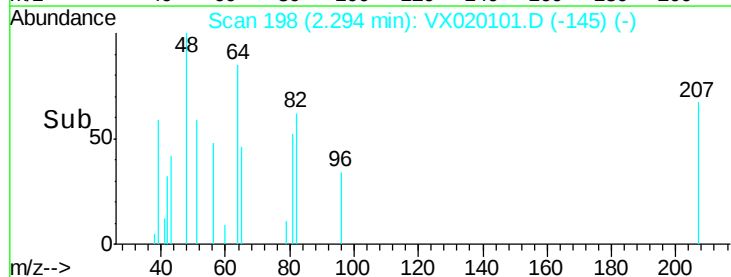
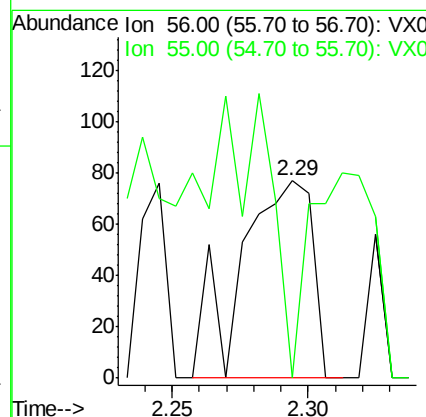
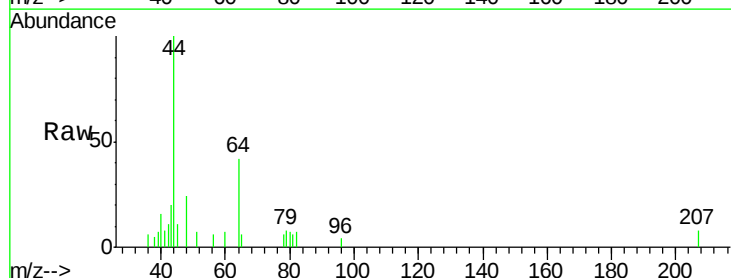
Instrument :
MSVOA_X
ClientSampleId :
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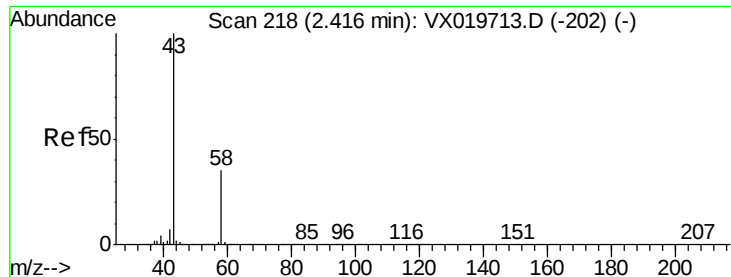
Tgt Ion: 59 Resp: 4681
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 0.331 ug/l
RT: 2.29 min Scan# 198
Delta R.T. 0.02 min
Lab File: VX020101.D
Acq: 17 Dec 2020 05:54

Tgt Ion: 56 Resp: 141
Ion Ratio Lower Upper
56 100
55 91.5 56.4 84.6#





#16

Acetone

Concen: 0.814 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX020101.D

Acq: 17 Dec 2020 05:54

Instrument :

MSVOA_X

ClientSampled :

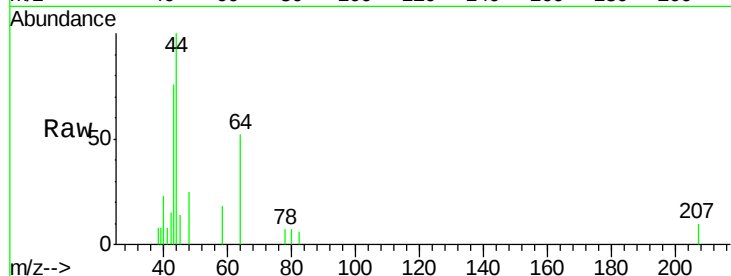
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Tgt Ion: 43 Resp: 1181

Ion Ratio Lower Upper

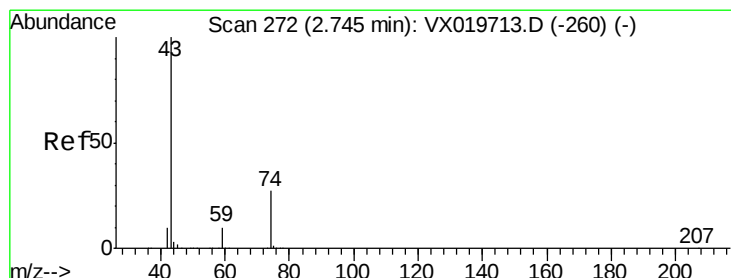
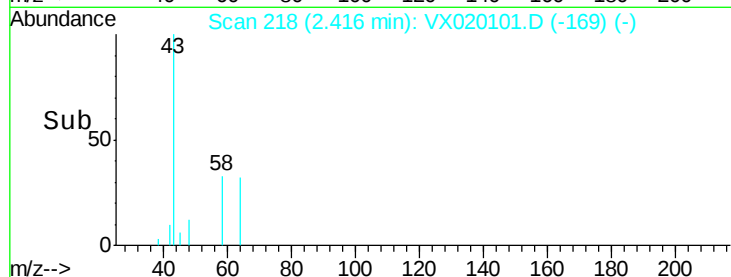
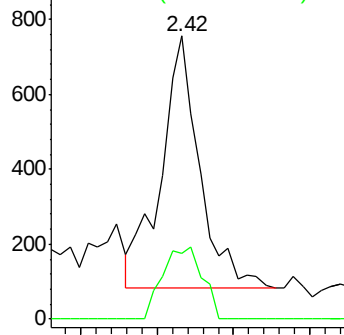
43 100

58 26.3 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: 0.423 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.00 min

Lab File: VX020101.D

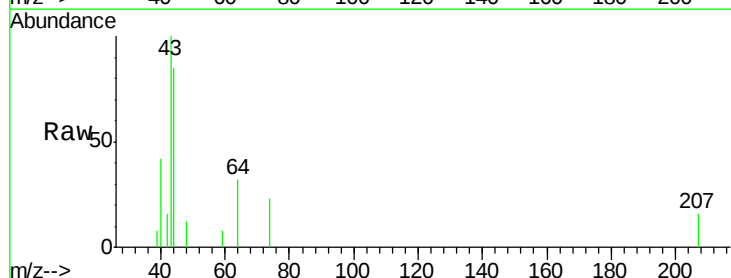
Acq: 17 Dec 2020 05:54

Tgt Ion: 43 Resp: 1503

Ion Ratio Lower Upper

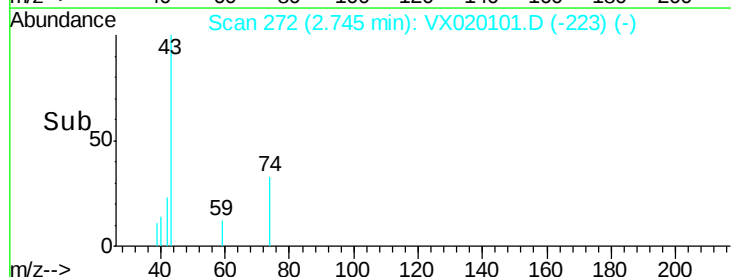
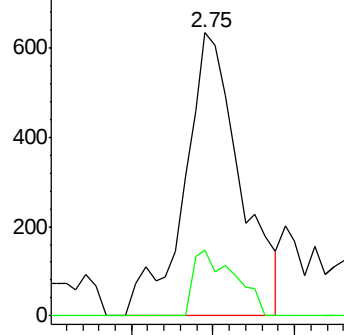
43 100

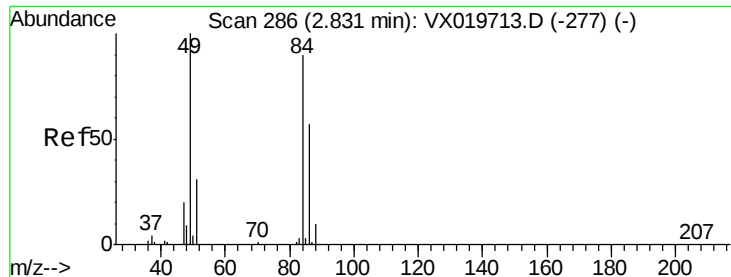
74 17.2 21.9 32.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

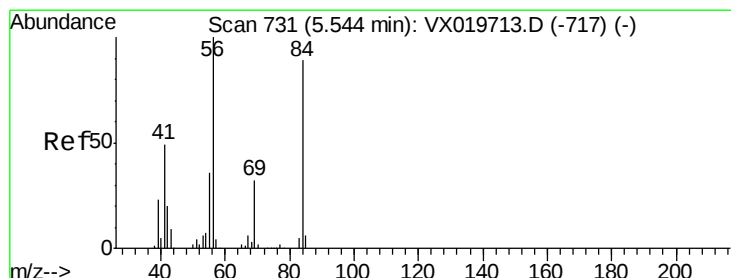
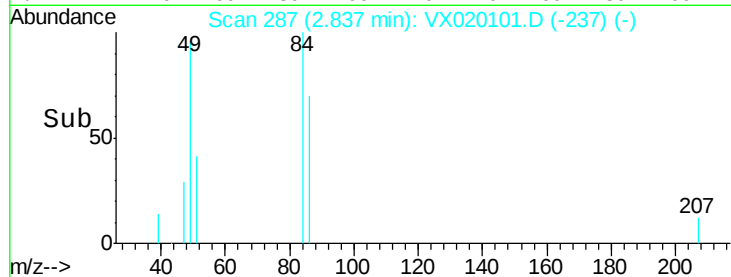
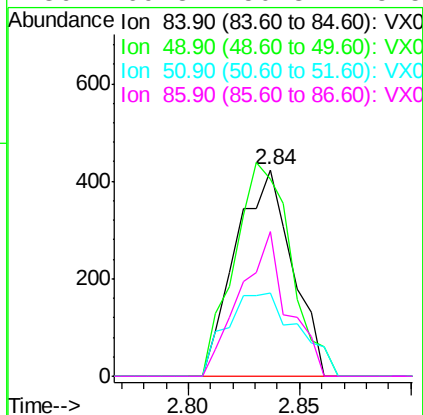
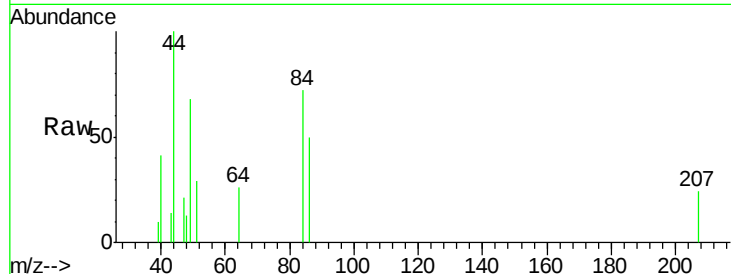




#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX020101.D
Acq: 17 Dec 2020 05:54

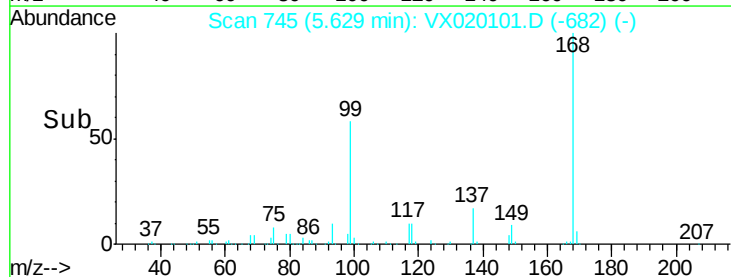
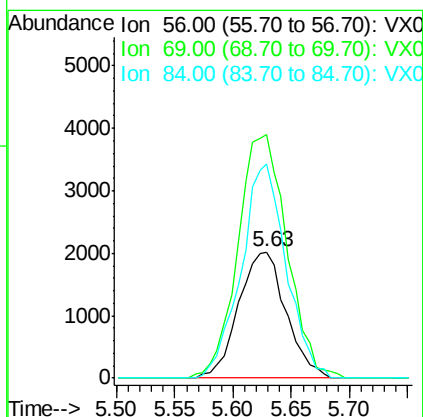
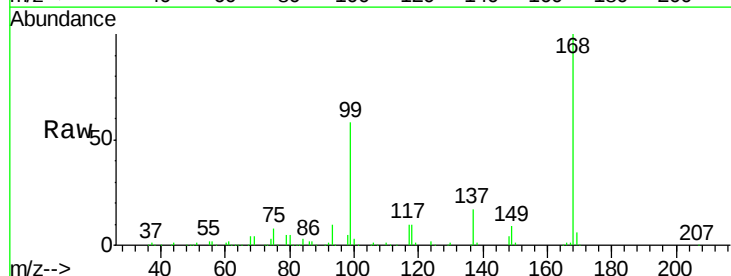
Instrument :
MSVOA_X
ClientSampled :
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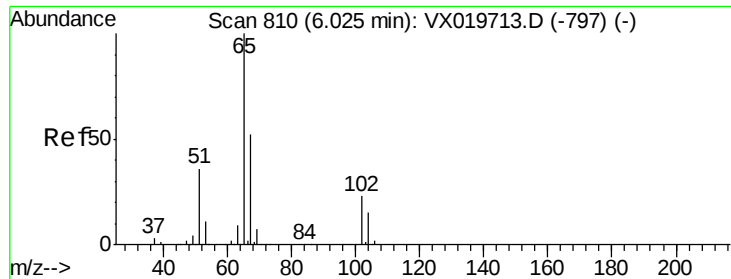
Tgt Ion:	84	Resp:	745
Ion	Ratio	Lower	Upper
84	100		
49	95.5	88.6	132.8
51	40.6	27.0	40.6#
86	69.8	50.3	75.5



#31
Cyclohexane
Concen: 1.187 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.09 min
Lab File: VX020101.D
Acq: 17 Dec 2020 05:54

Tgt Ion:	56	Resp:	5702
Ion	Ratio	Lower	Upper
56	100		
69	192.9	25.3	37.9#
84	170.0	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 50.934 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.00 min

Lab File: VX020101.D

Acq: 17 Dec 2020 05:54

Instrument :

MSVOA_X

ClientSampleId :

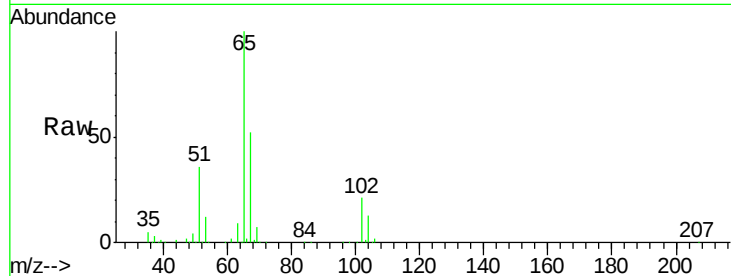
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Tgt Ion: 65 Resp: 196637

Ion Ratio Lower Upper

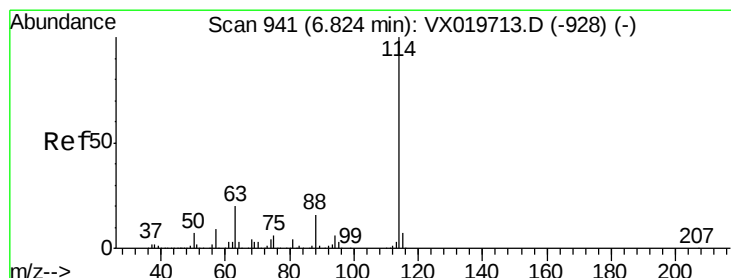
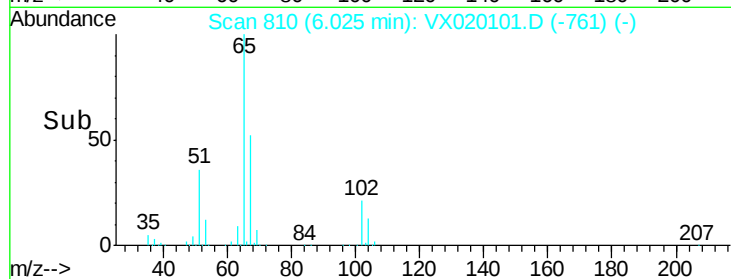
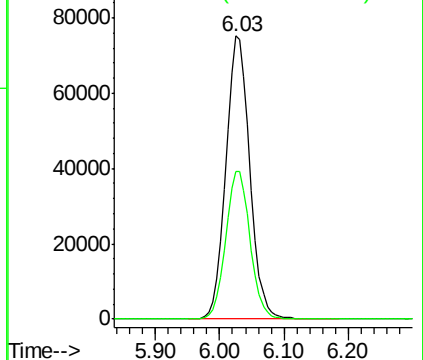
65 100

67 53.1 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: VX020101.D

Acq: 17 Dec 2020 05:54

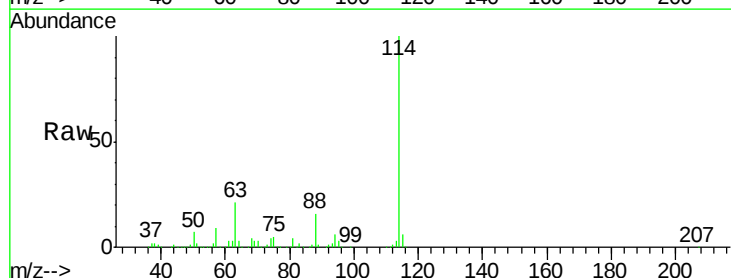
Tgt Ion: 114 Resp: 501435

Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.8

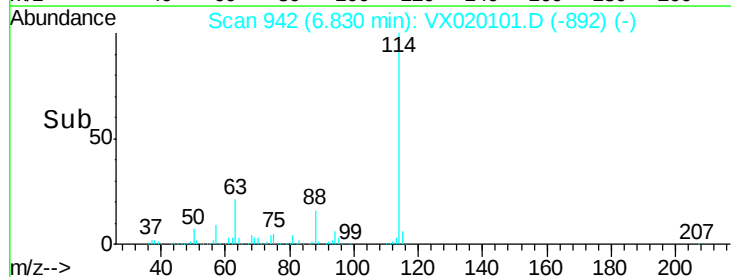
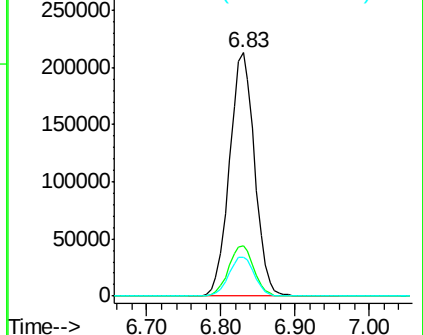
88 16.0 0.0 32.8

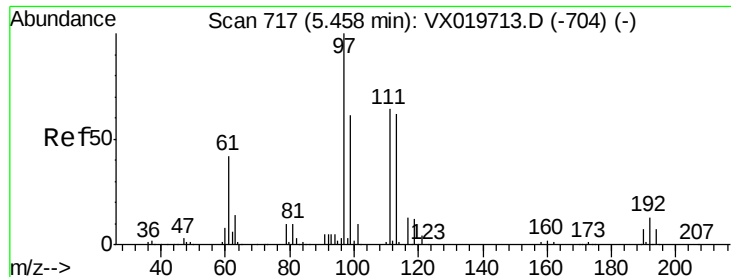


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.665 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX020101.D

Acq: 17 Dec 2020 05:54

Instrument :

MSVOA_X

ClientSampleId :

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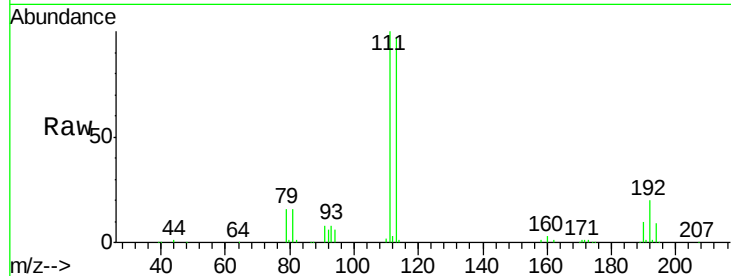
Tgt Ion:113 Resp: 157710

Ion Ratio Lower Upper

113 100

111 102.5 81.9 122.9

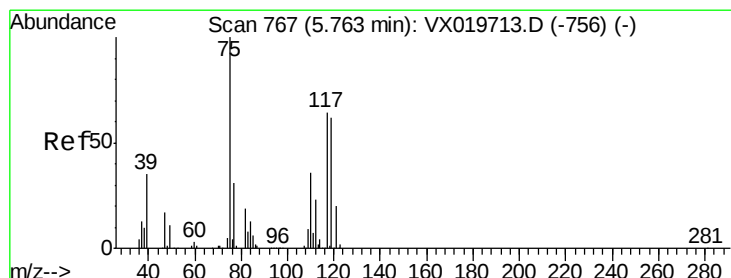
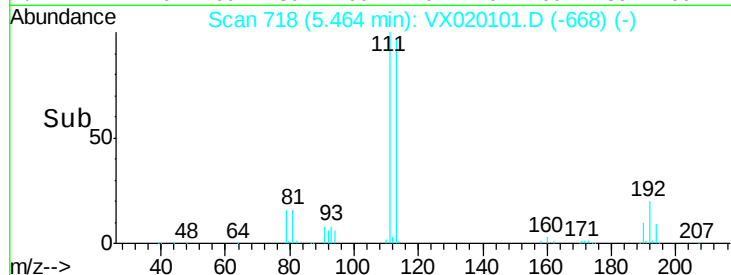
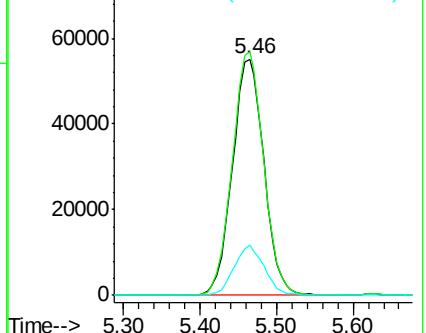
192 20.3 16.7 25.1



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: 5.040 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX020101.D

Acq: 17 Dec 2020 05:54

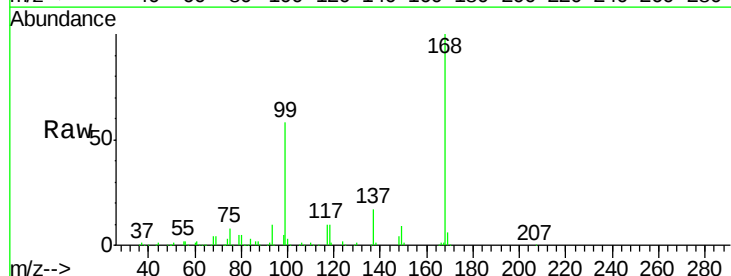
Tgt Ion: 75 Resp: 22837

Ion Ratio Lower Upper

75 100

110 8.5 18.1 54.4#

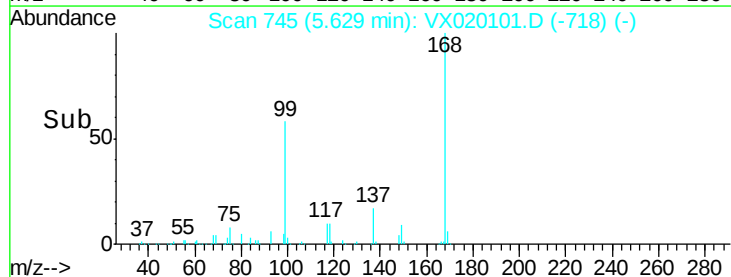
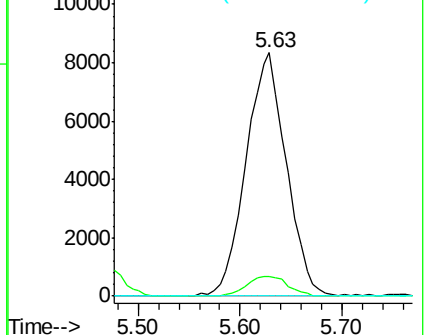
77 0.0 25.3 37.9#

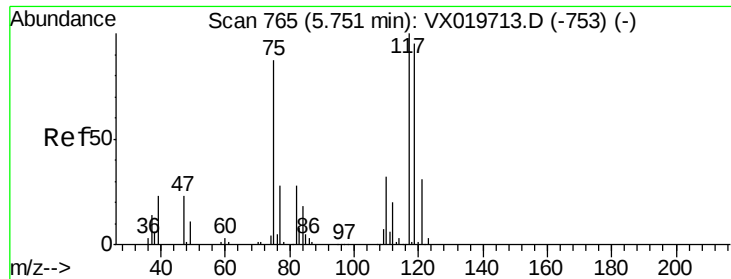


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.539 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX020101.D

Acq: 17 Dec 2020 05:54

Instrument :

MSVOA_X

ClientSampleId :

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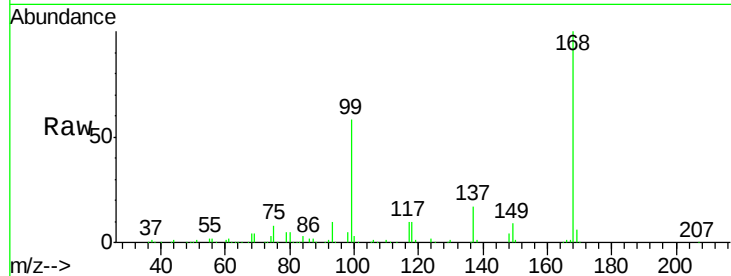
Tgt Ion:117 Resp: 29016

Ion Ratio Lower Upper

117 100

119 5.6 76.2 114.2#

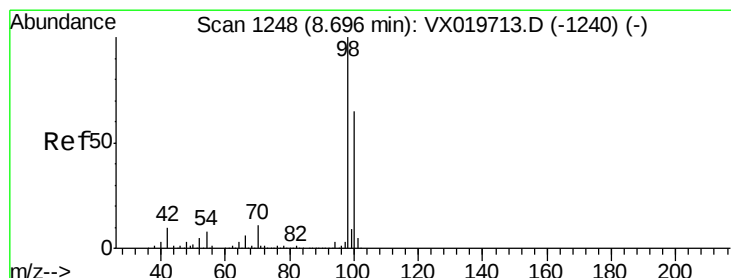
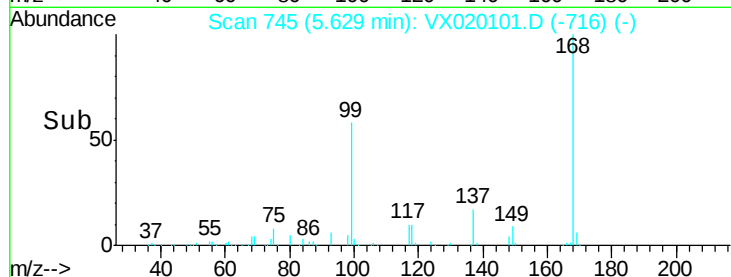
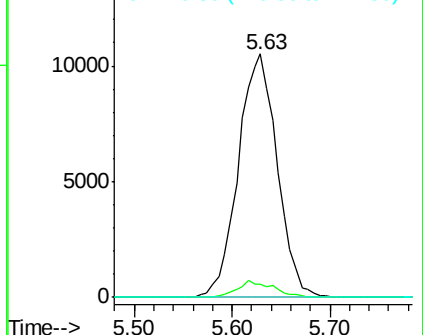
121 0.0 24.8 37.2#



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: 49.478 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX020101.D

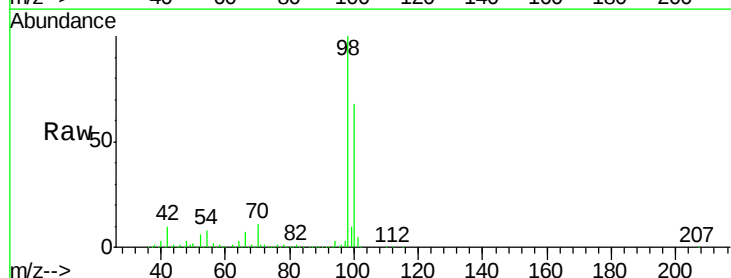
Acq: 17 Dec 2020 05:54

Tgt Ion: 98 Resp: 612150

Ion Ratio Lower Upper

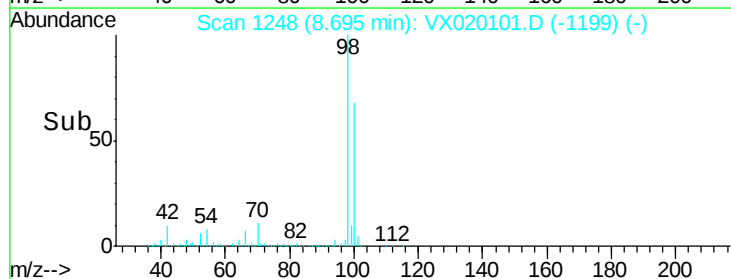
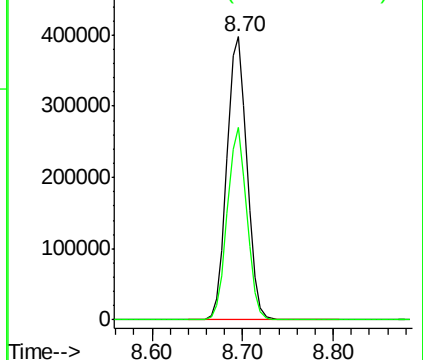
98 100

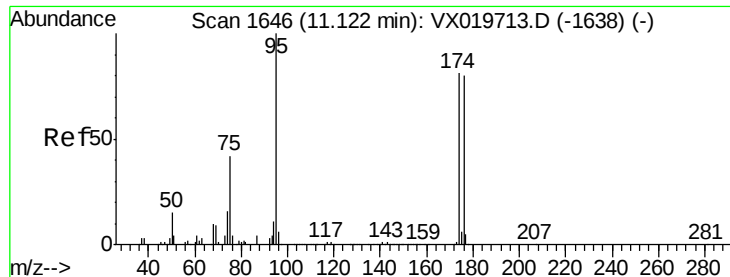
100 66.2 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

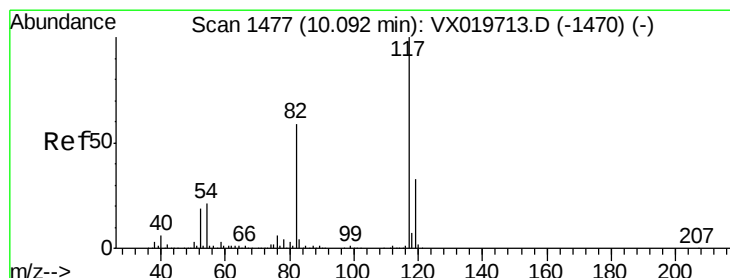
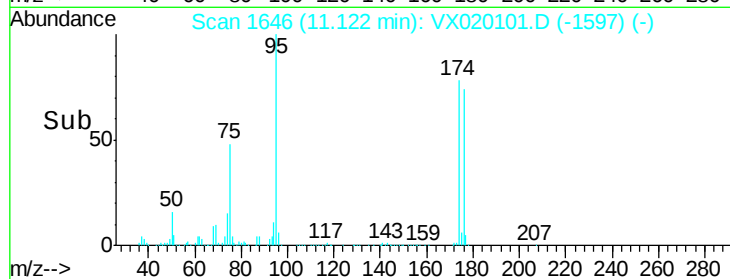
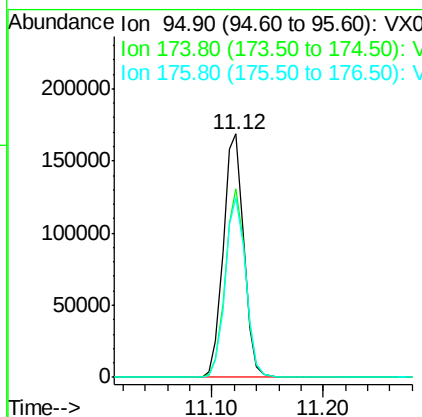
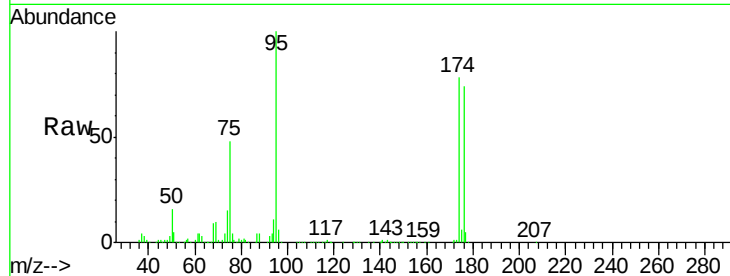




#62
 4-Bromofluorobenzene
 Concen: 45.559 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.00 min
 Lab File: VX020101.D
 Acq: 17 Dec 2020 05:54

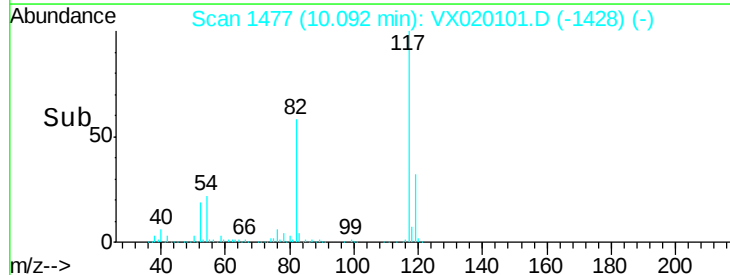
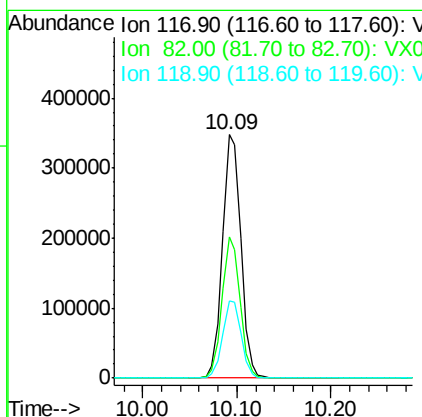
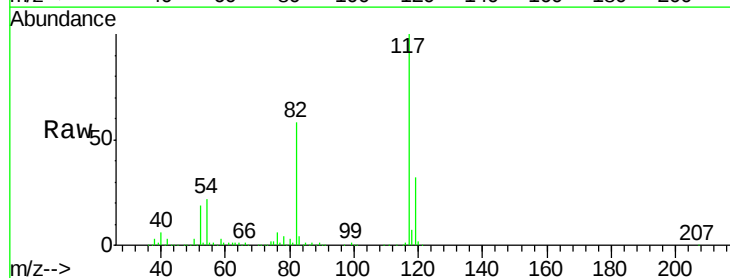
Instrument :
 MSVOA_X
 ClientSampleId :
 FIELD-BLANK

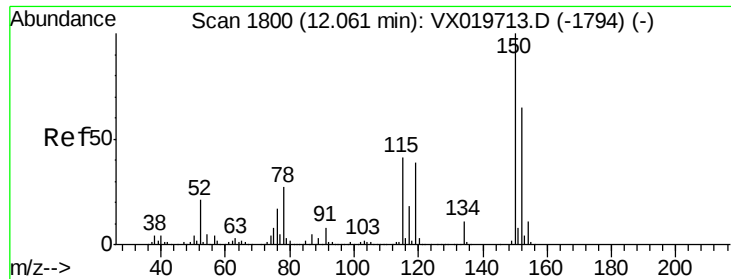
Tgt Ion: 95 Resp: 214536
 Ion Ratio Lower Upper
 95 100
 174 76.3 0.0 154.6
 176 73.9 0.0 155.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.09 min Scan# 1477
 Delta R.T. -0.00 min
 Lab File: VX020101.D
 Acq: 17 Dec 2020 05:54

Tgt Ion: 117 Resp: 470272
 Ion Ratio Lower Upper
 117 100
 82 57.8 47.4 71.2
 119 31.8 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: VX020101.D

Acq: 17 Dec 2020 05:54

Instrument :

MSVOA_X

ClientSampleId :

FIELD-BLANK

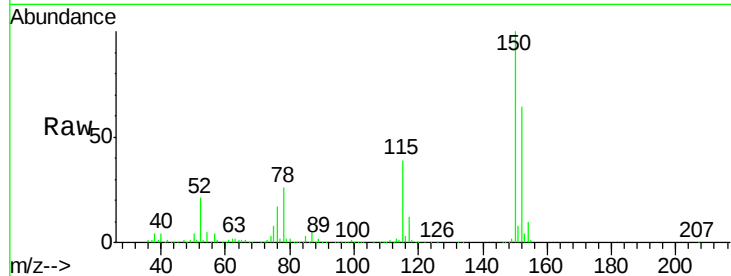
Tgt Ion:152 Resp: 201772

Ion Ratio Lower Upper

152 100

115 60.1 41.1 123.3

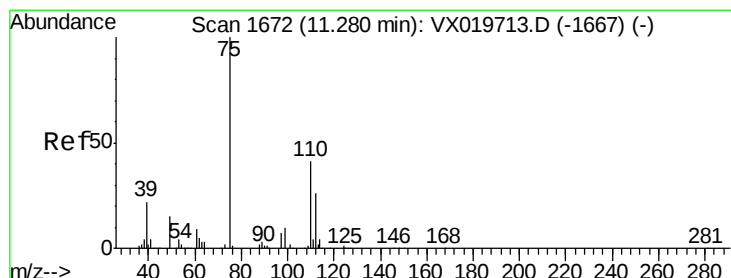
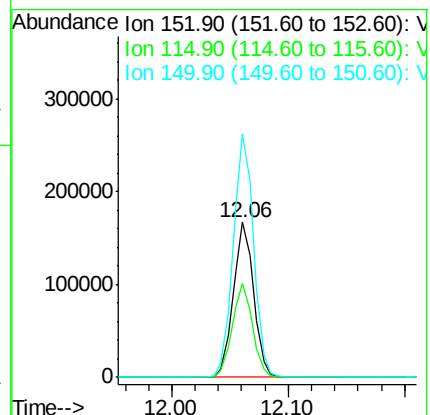
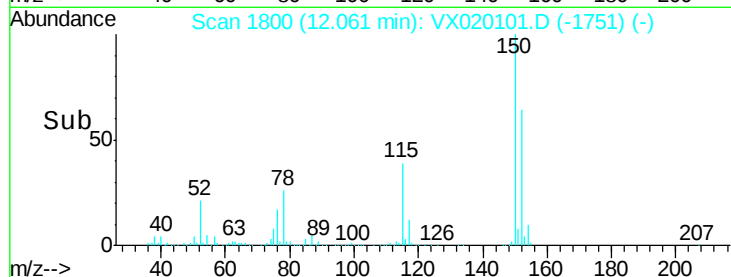
150 158.2 0.0 349.0



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: 23.167 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX020101.D

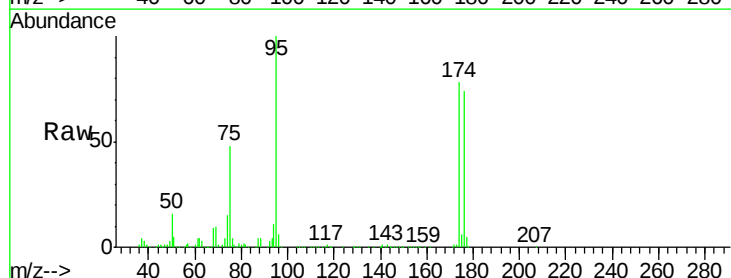
Acq: 17 Dec 2020 05:54

Tgt Ion: 75 Resp: 104838

Ion Ratio Lower Upper

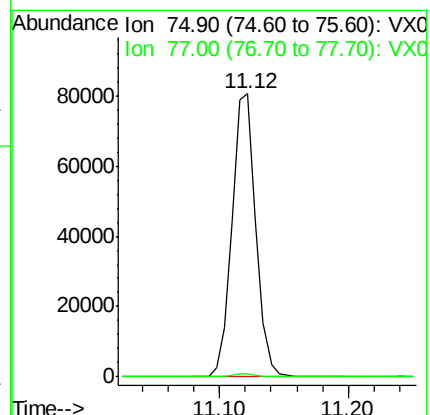
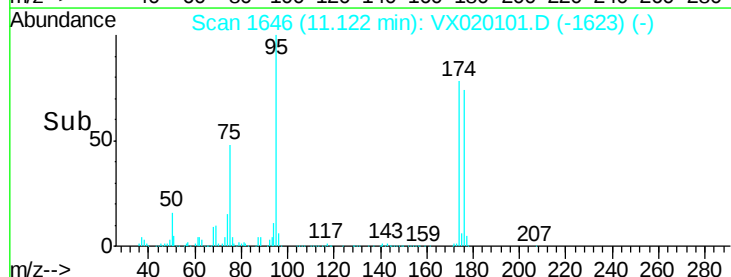
75 100

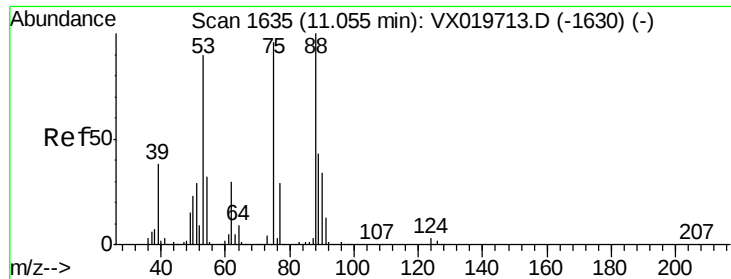
77 1.3 19.1 57.5#



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: 66.970 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX020101.D

Acq: 17 Dec 2020 05:54

Instrument :

MSVOA_X

ClientSampleId :

FIELD-BLANK

Tgt Ion: 75 Resp: 104838

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

89 0.0 37.9 56.9#

