

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121120\
 Data File : VX019918.D
 Acq On : 12 Dec 2020 09:16
 Operator : JC/MD
 Sample : L5025-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-6008-120920

Quant Time: Dec 14 02:49:45 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	299726	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	494809	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	444917	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	179956	50.00	ug/l	0.00

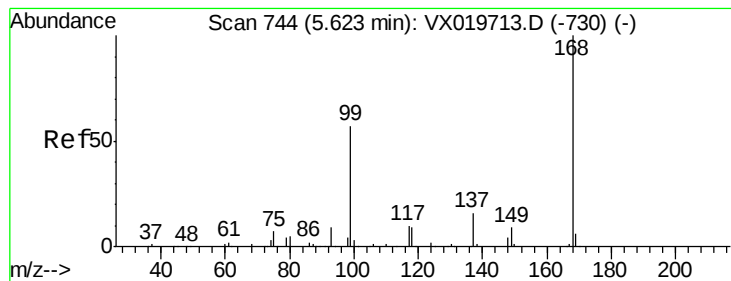
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	193091	49.02	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.04%		
35) Dibromofluoromethane	5.46	113	153592	48.03	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.06%		
50) Toluene-d8	8.70	98	599103	49.07	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.14%		
62) 4-Bromofluorobenzene	11.12	95	201810	43.43	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	86.86%		

Target Compounds

					Qvalue
5) Bromomethane	1.64	94	451	0.399 ug/l	83
11) Tert butyl alcohol	2.99	59	563	Below Cal #	73
16) Acetone	2.42	43	1907	1.288 ug/l	98
20) Methylene Chloride	2.84	84	462	Below Cal	97
27) cis-1,2-Dichloroethene	4.56	96	10546	2.815 ug/l	91
31) Cyclohexane	5.62	56	5954	1.215 ug/l #	1
36) 1,1-Dichloropropene	5.62	75	22452	5.021 ug/l #	49
38) Carbon Tetrachloride	5.63	117	29287	6.689 ug/l #	17
44) Trichloroethene	7.19	130	748	0.209 ug/l	89
76) 1,2,3-Trichloropropane	11.12	75	96258	23.849 ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	96258	68.944 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: VX019918.D

Acq: 12 Dec 2020 09:16

Instrument :

MSVOA_X

ClientSampleId :

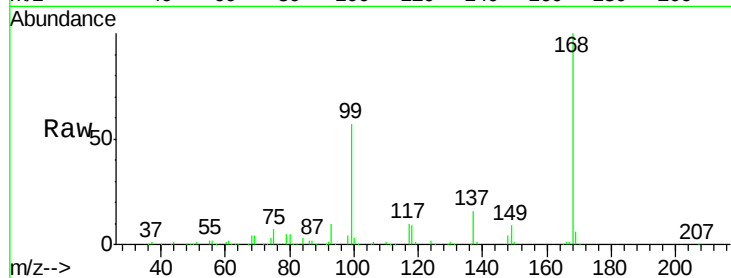
TU032-32-6008-120920

Tgt Ion: 168 Resp: 299726

Ion Ratio Lower Upper

168 100

99 56.7 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

120000

100000

80000

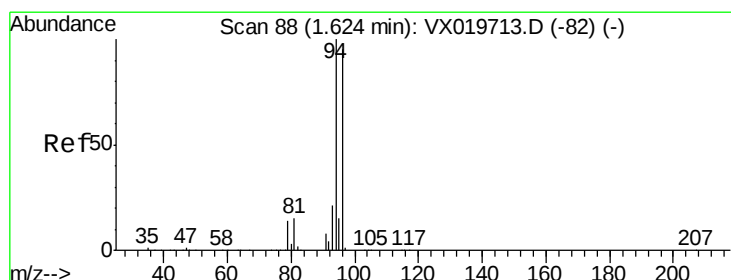
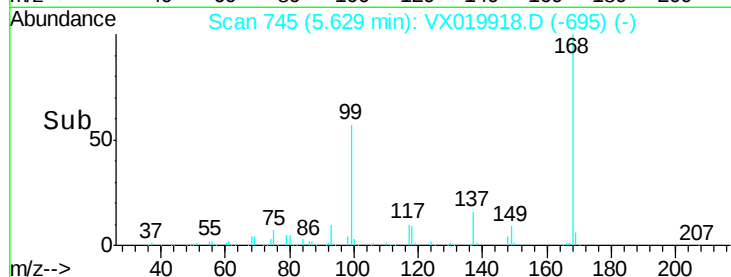
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.399 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX019918.D

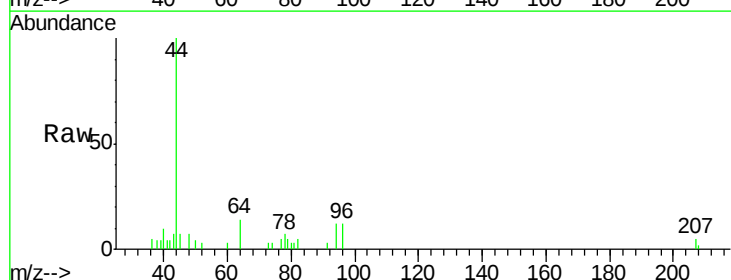
Acq: 12 Dec 2020 09:16

Tgt Ion: 94 Resp: 451

Ion Ratio Lower Upper

94 100

96 78.5 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

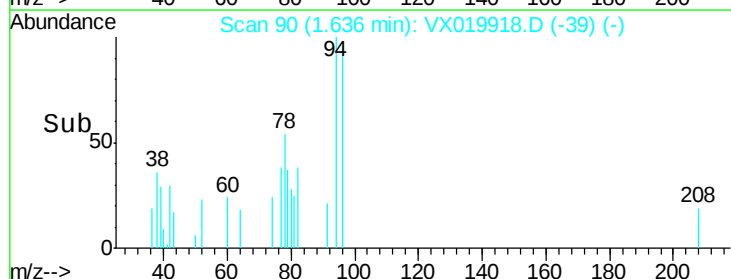
300

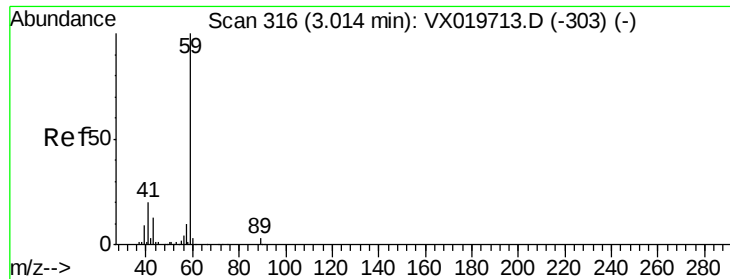
200

100

0

Time-->

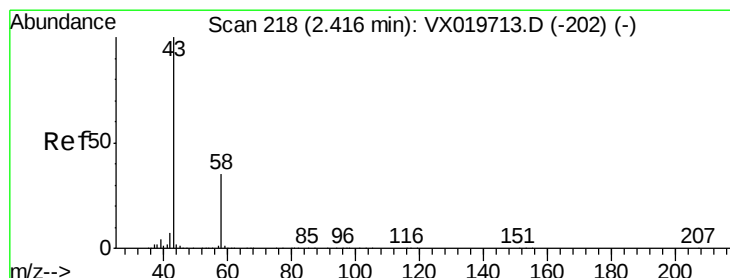
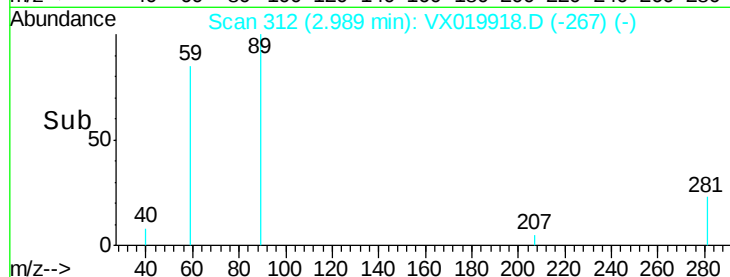
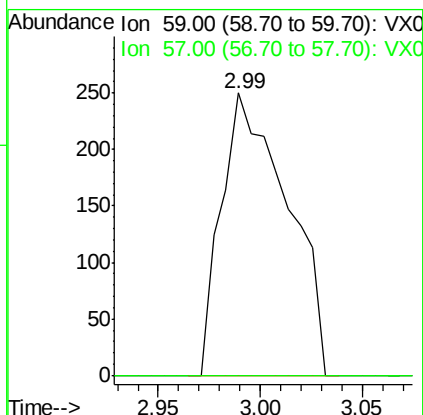
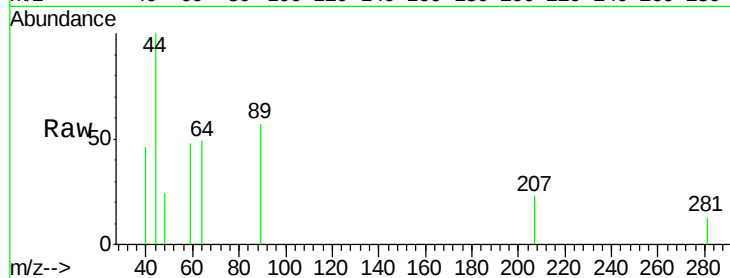




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.99 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX019918.D
Acq: 12 Dec 2020 09:16

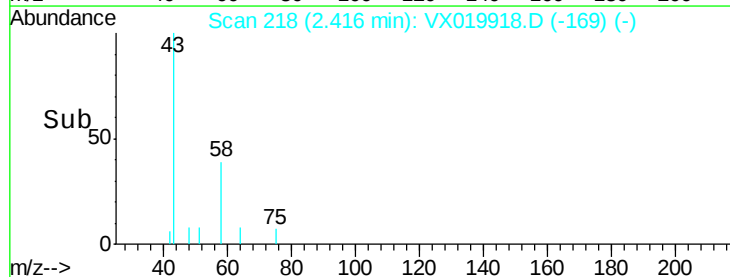
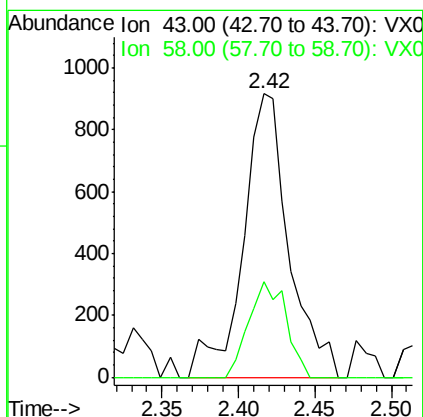
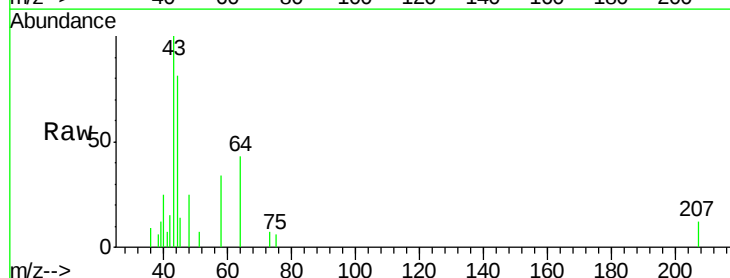
Instrument :
MSVOA_X
ClientSampleId :
TU032-32-6008-120920

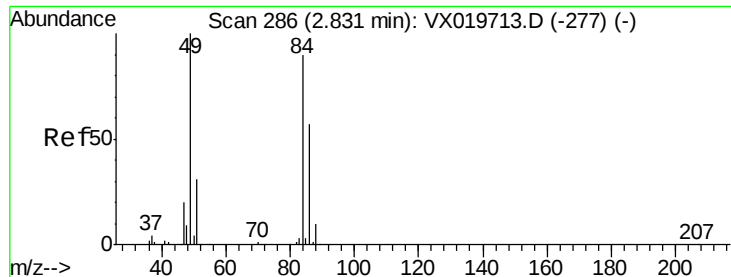
Tgt Ion: 59 Resp: 563
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 1.288 ug/l
RT: 2.42 min Scan# 218
Delta R.T. 0.00 min
Lab File: VX019918.D
Acq: 12 Dec 2020 09:16

Tgt Ion: 43 Resp: 1907
Ion Ratio Lower Upper
43 100
58 33.6 27.8 41.8

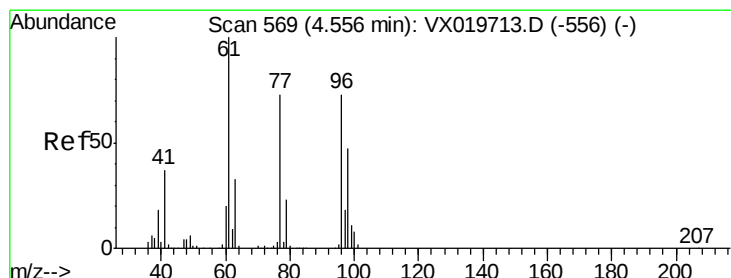
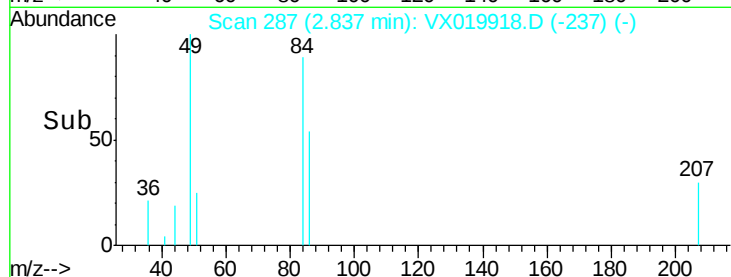
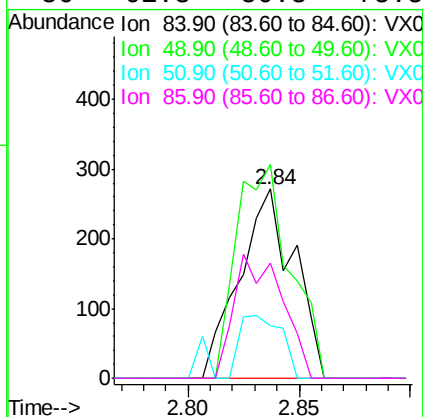
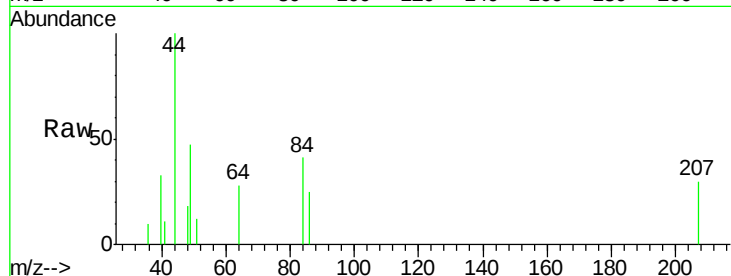




#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX019918.D
Acq: 12 Dec 2020 09:16

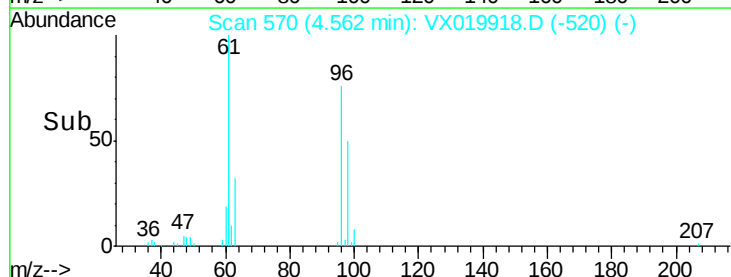
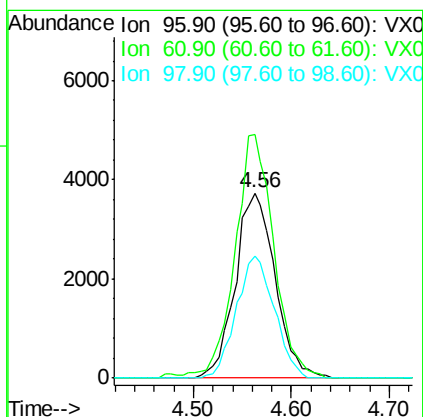
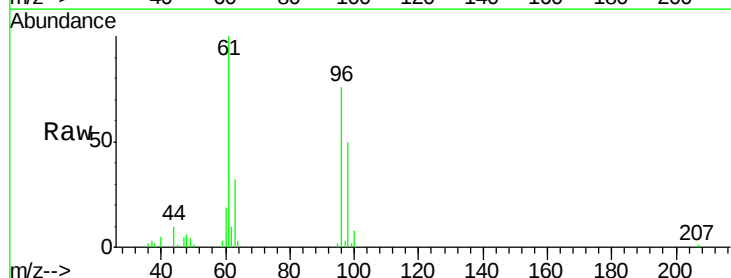
Instrument :
MSVOA_X
ClientSampleId :
TU032-32-6008-120920

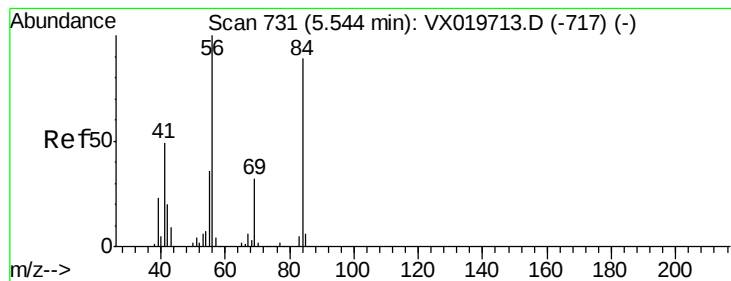
Tgt Ion:	84	Resp:	462
Ion	Ratio	Lower	Upper
84	100		
49	112.9	88.6	132.8
51	28.0	27.0	40.6
86	61.3	50.3	75.5



#27
cis-1,2-Dichloroethene
Concen: 2.815 ug/l
RT: 4.56 min Scan# 570
Delta R.T. 0.01 min
Lab File: VX019918.D
Acq: 12 Dec 2020 09:16

Tgt Ion:	96	Resp:	10546
Ion	Ratio	Lower	Upper
96	100		
61	127.8	0.0	285.6
98	63.0	0.0	129.6





#31

Cyclohexane

Concen: 1.215 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.08 min

Lab File: VX019918.D

Acq: 12 Dec 2020 09:16

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-6008-120920

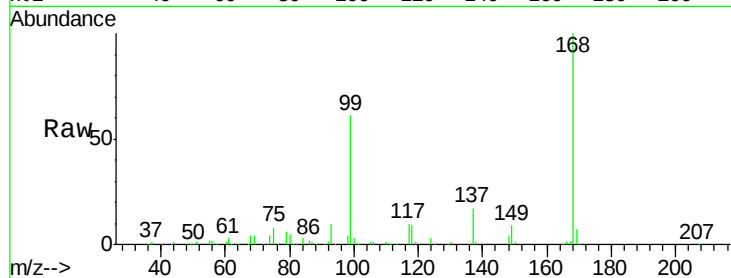
Tgt Ion: 56 Resp: 5954

Ion Ratio Lower Upper

56 100

69 176.5 25.3 37.9#

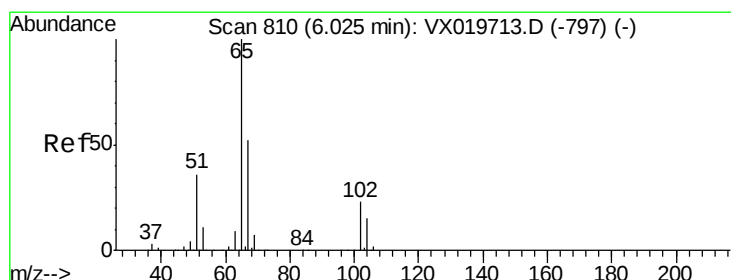
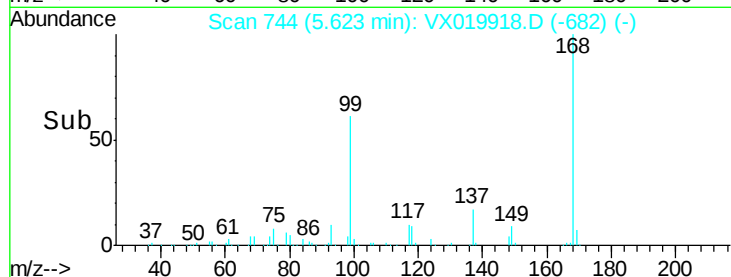
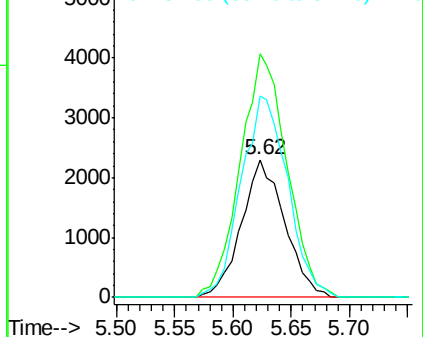
84 145.8 71.4 107.0#



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: 49.017 ug/l

RT: 6.03 min Scan# 810

Delta R.T. 0.00 min

Lab File: VX019918.D

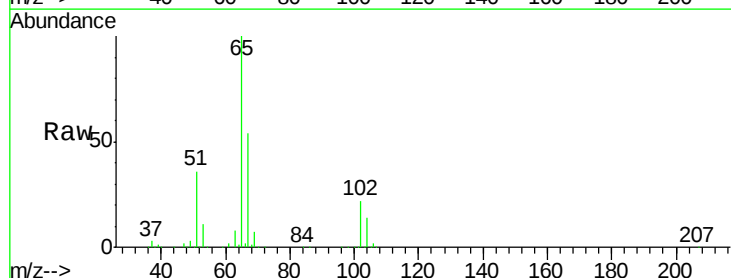
Acq: 12 Dec 2020 09:16

Tgt Ion: 65 Resp: 193091

Ion Ratio Lower Upper

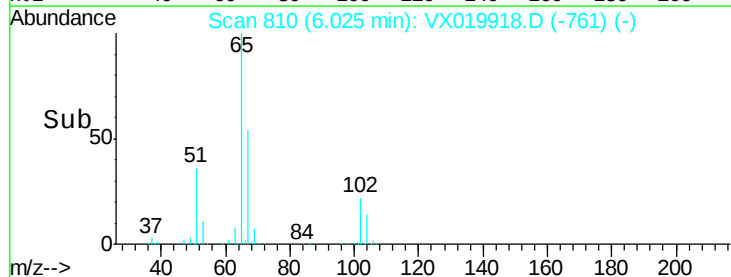
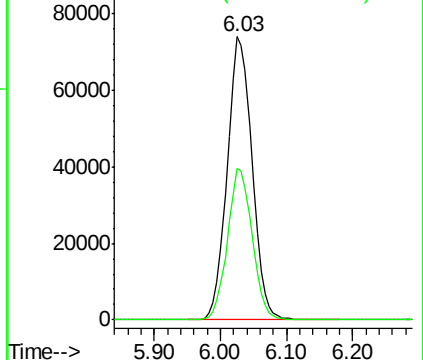
65 100

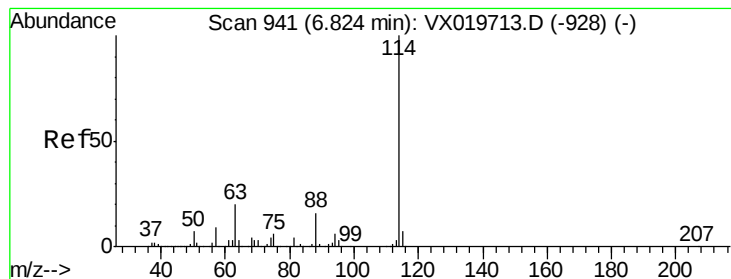
67 53.0 0.0 105.4



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: VX019918.D

Acq: 12 Dec 2020 09:16

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-6008-120920

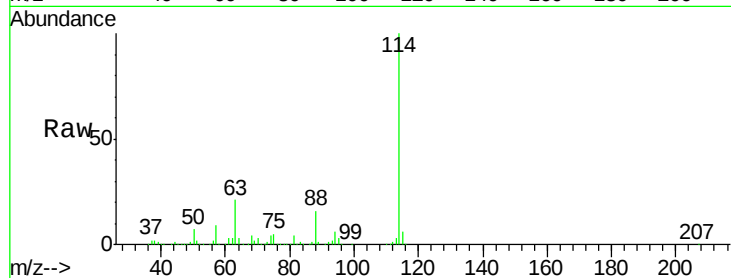
Tgt Ion:114 Resp: 494809

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

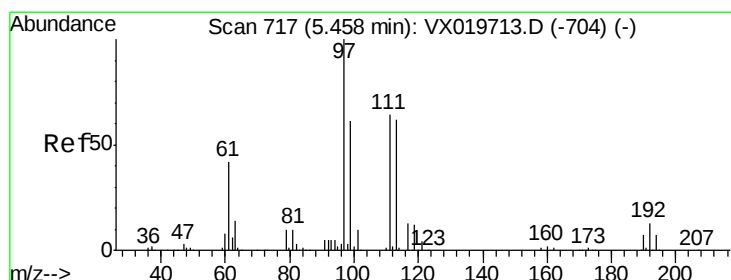
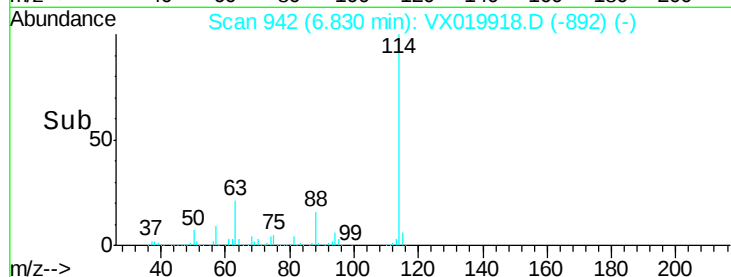
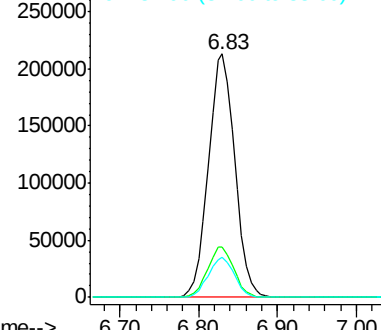
88 16.4 0.0 32.8



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: 48.029 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019918.D

Acq: 12 Dec 2020 09:16

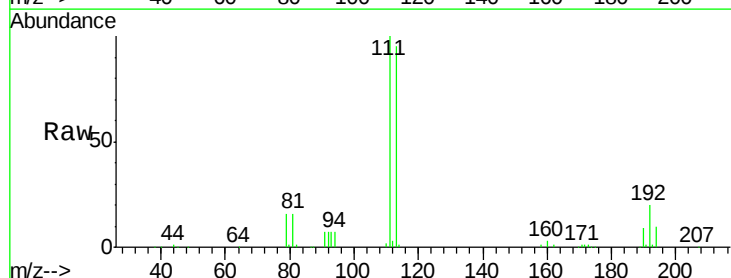
Tgt Ion:113 Resp: 153592

Ion Ratio Lower Upper

113 100

111 103.8 81.9 122.9

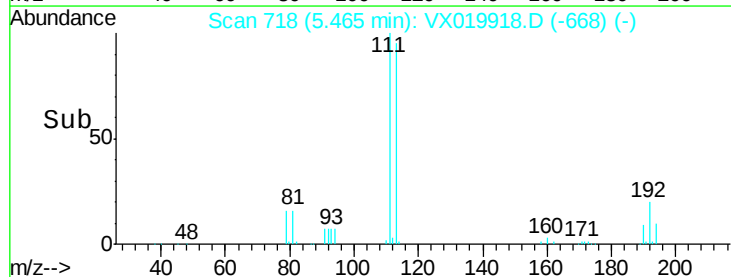
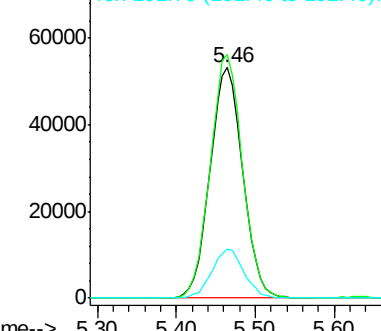
192 20.8 16.7 25.1

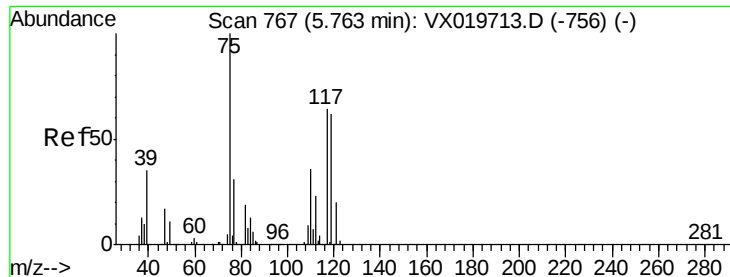


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.021 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.14 min

Lab File: VX019918.D

Acq: 12 Dec 2020 09:16

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ClientSampleId :

TU032-32-6008-120920

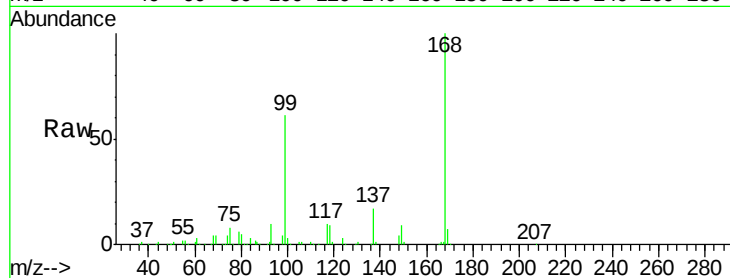
Tgt Ion: 75 Resp: 22452

Ion Ratio Lower Upper

75 100

110 9.5 18.1 54.4#

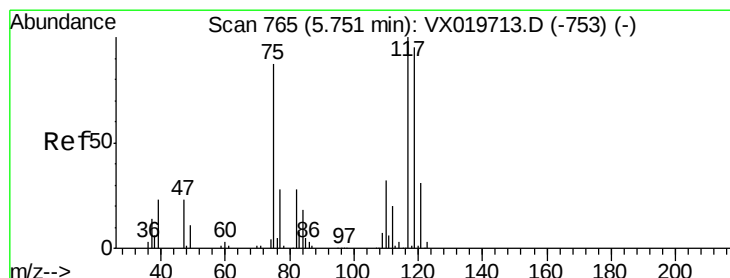
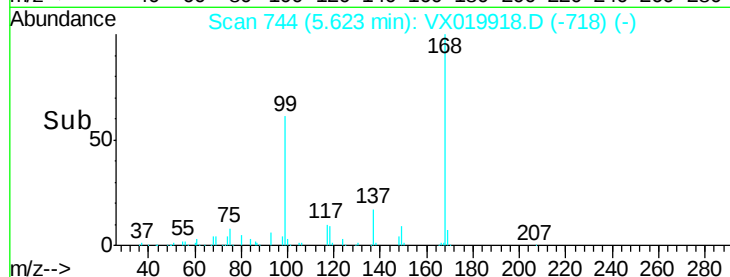
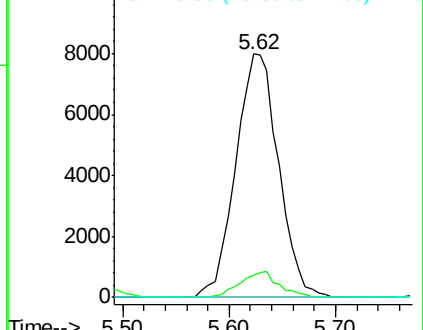
77 0.0 25.3 37.9#



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: 6.689 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019918.D

Acq: 12 Dec 2020 09:16

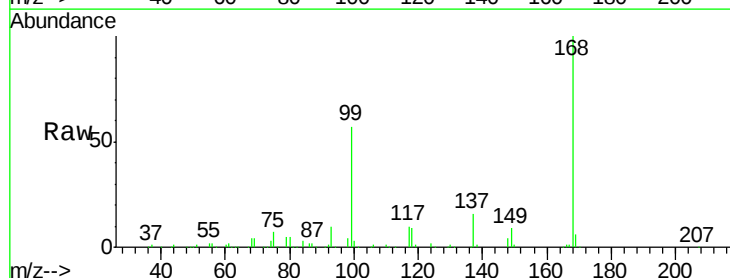
Tgt Ion: 117 Resp: 29287

Ion Ratio Lower Upper

117 100

119 6.6 76.2 114.2#

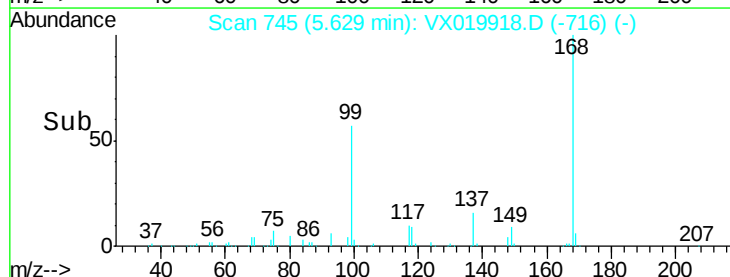
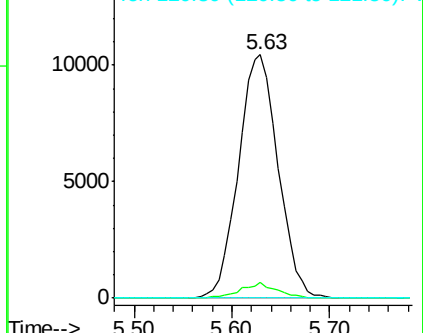
121 0.0 24.8 37.2#

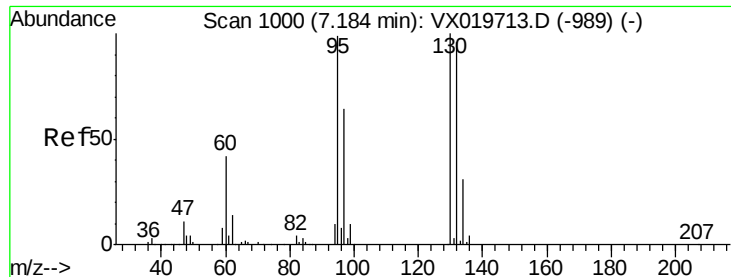


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 0.209 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VX019918.D

Acq: 12 Dec 2020 09:16

Instrument :

MSVOA_X

ClientSampleId :

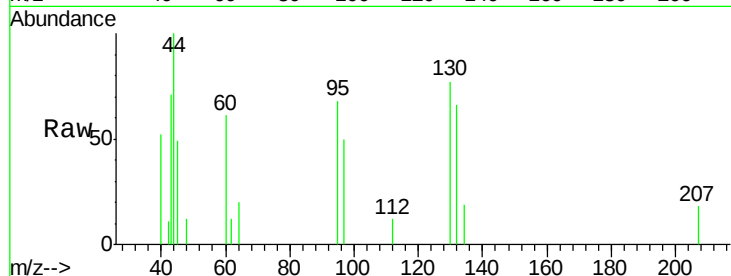
TU032-32-6008-120920

Tgt Ion:130 Resp: 748

Ion Ratio Lower Upper

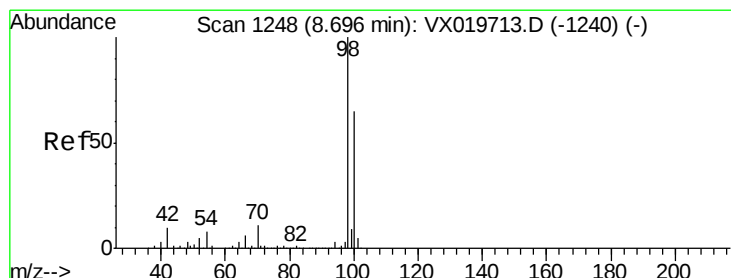
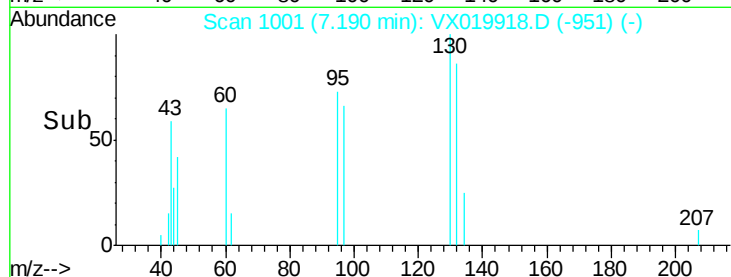
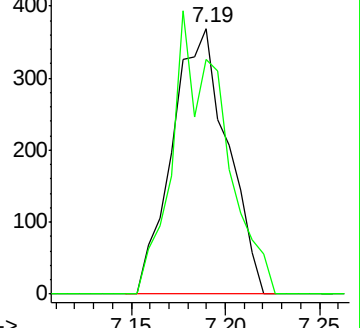
130 100

95 88.3 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 49.072 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019918.D

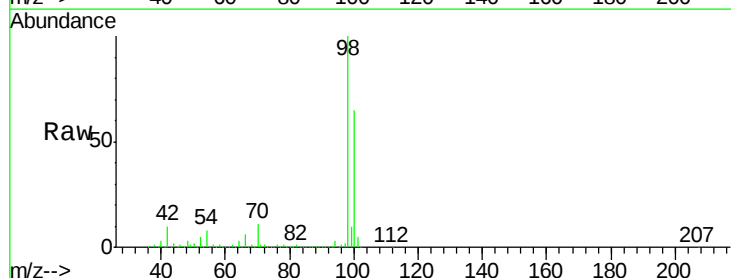
Acq: 12 Dec 2020 09:16

Tgt Ion: 98 Resp: 599103

Ion Ratio Lower Upper

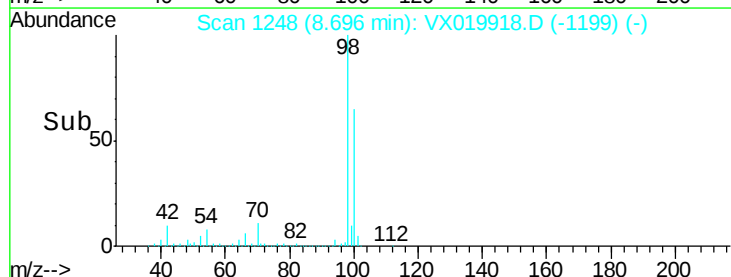
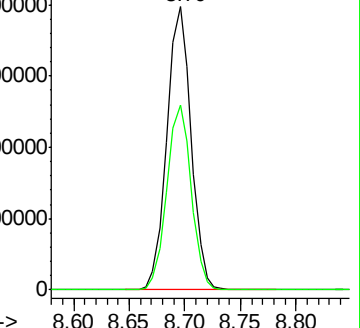
98 100

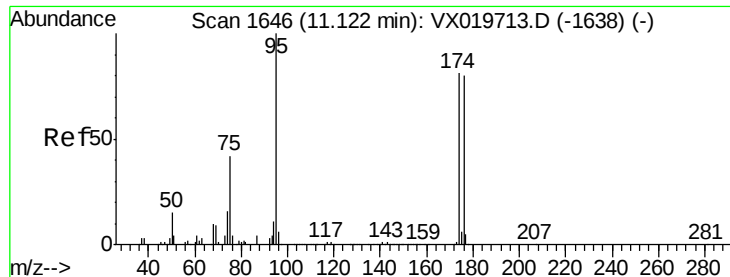
100 65.7 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 43.430 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019918.D

Acq: 12 Dec 2020 09:16

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-6008-120920

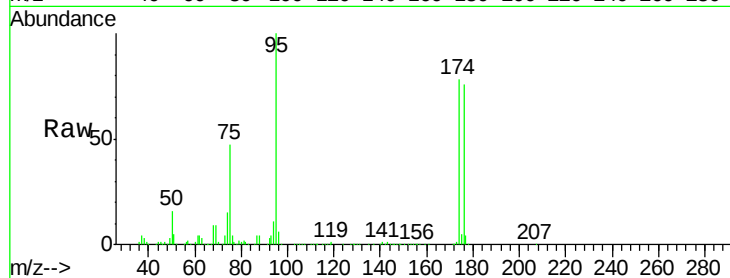
Tgt Ion: 95 Resp: 201810

Ion Ratio Lower Upper

95 100

174 75.8 0.0 154.6

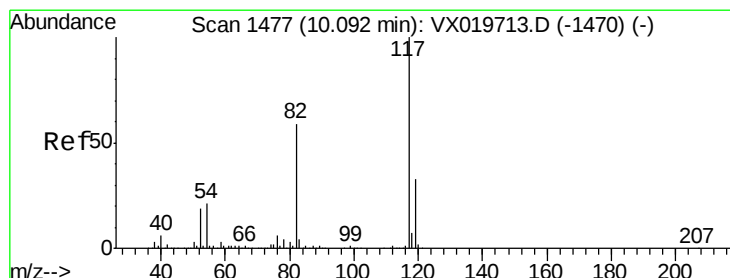
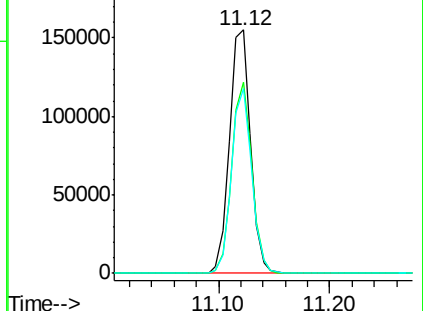
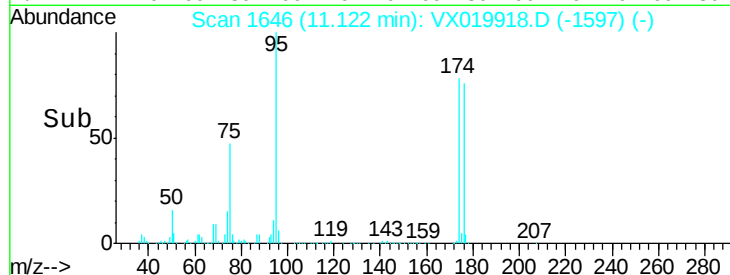
176 73.2 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX019918.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX019918.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX019918.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.01 min

Lab File: VX019918.D

Acq: 12 Dec 2020 09:16

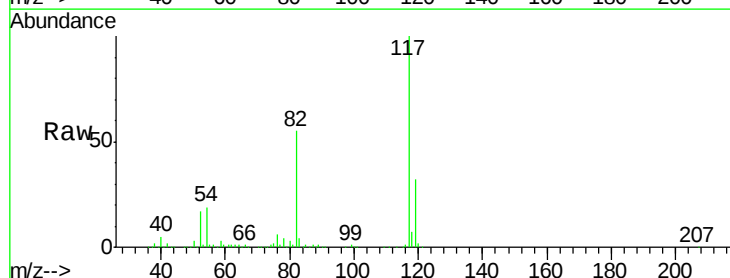
Tgt Ion: 117 Resp: 444917

Ion Ratio Lower Upper

117 100

82 55.0 47.4 71.2

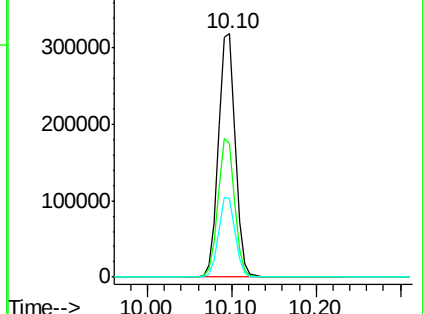
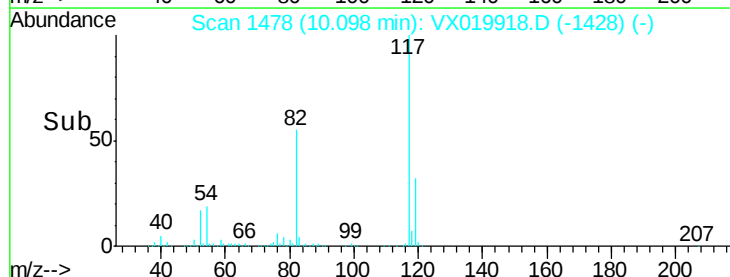
119 32.5 26.6 39.8

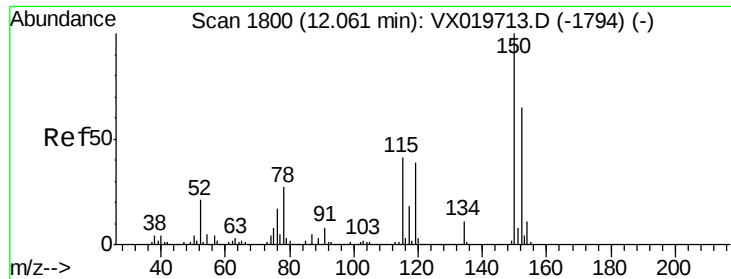


Abundance Ion 116.90 (116.60 to 117.60): VX019918.D (-1428) (-)

Ion 82.00 (81.70 to 82.70): VX019918.D (-1428) (-)

Ion 118.90 (118.60 to 119.60): VX019918.D (-1428) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX019918.D

Acq: 12 Dec 2020 09:16

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-6008-120920

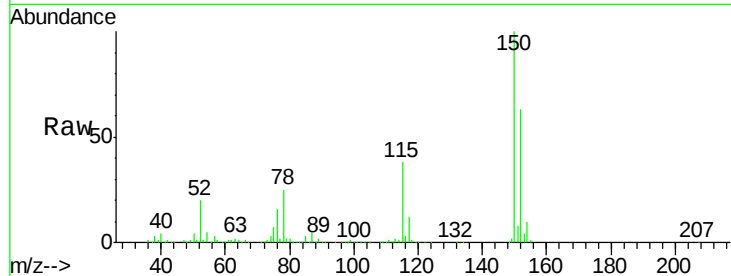
Tgt Ion:152 Resp: 179956

Ion Ratio Lower Upper

152 100

115 60.0 41.1 123.3

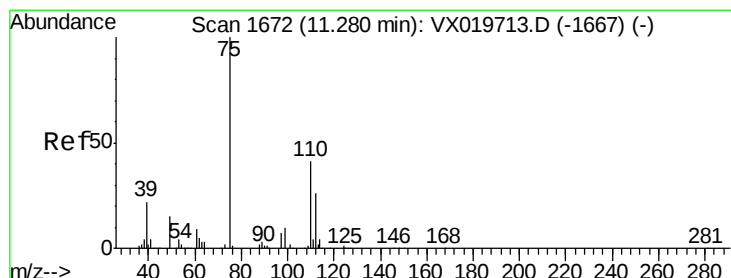
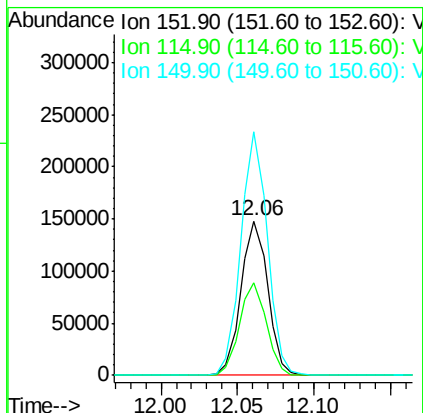
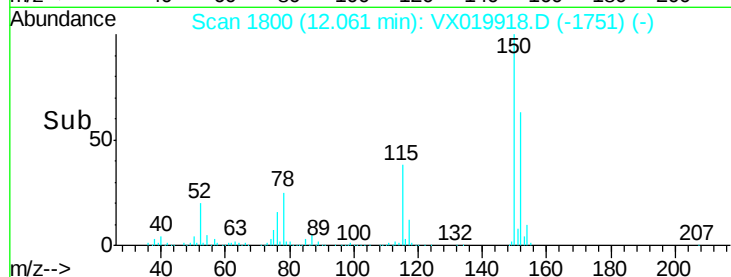
150 156.0 0.0 349.0



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: 23.849 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.16 min

Lab File: VX019918.D

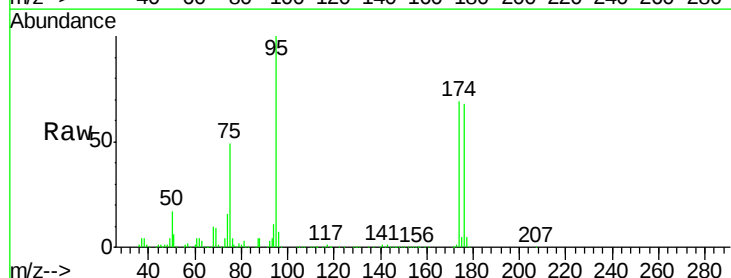
Acq: 12 Dec 2020 09:16

Tgt Ion: 75 Resp: 96258

Ion Ratio Lower Upper

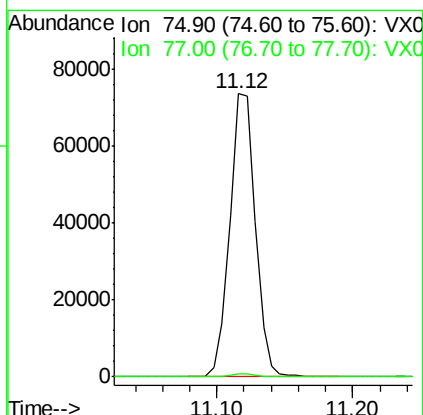
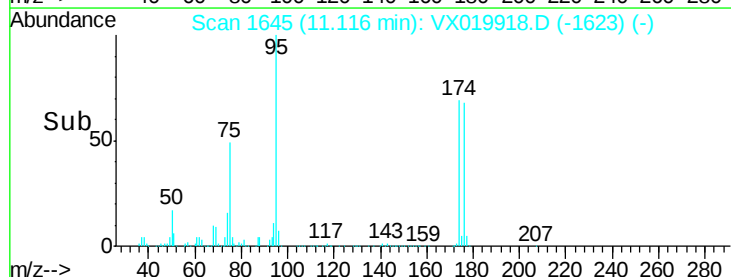
75 100

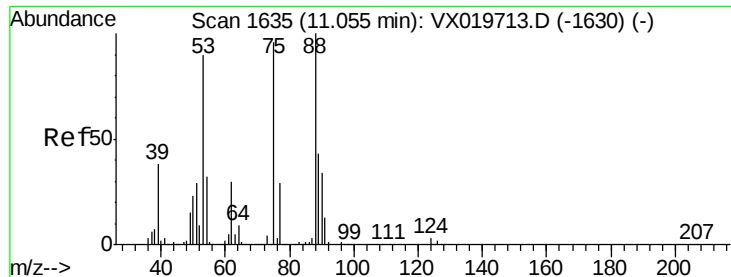
77 1.3 19.1 57.5#



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: 68.944 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. 0.06 min

Lab File: VX019918.D

Acq: 12 Dec 2020 09:16

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-6008-120920

Tgt Ion: 75 Resp: 96258

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

89 0.0 37.9 56.9#

