

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121120\
 Data File : VX019920.D
 Acq On : 12 Dec 2020 10:02
 Operator : JC/MD
 Sample : L5025-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-FD02-120220

Quant Time: Dec 14 02:50:13 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	307944	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	515014	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	473413	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	202207	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	198165	48.96	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.92%	
35) Dibromofluoromethane		5.46	113	160271	48.15	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.30%	
50) Toluene-d8		8.70	98	626224	49.28	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.56%	
62) 4-Bromofluorobenzene		11.12	95	219816	45.45	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	90.90%	

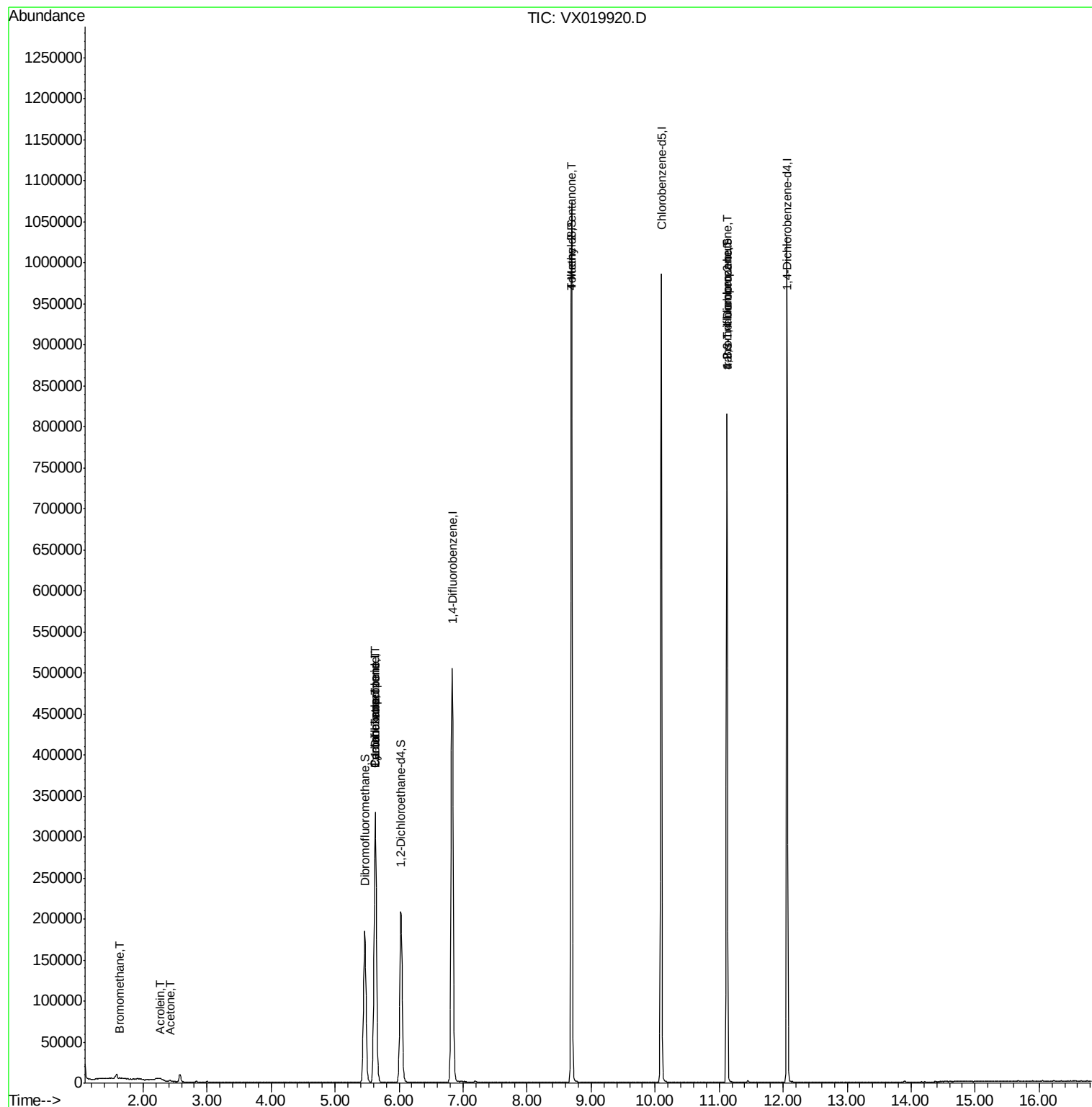
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	619	0.533	ug/l	98
11) Tert butyl alcohol	3.00	59	604	Below Cal	#	73
13) Acrolein	2.28	56	96	0.215	ug/l #	14
16) Acetone	2.42	43	1662	1.093	ug/l #	79
20) Methylene Chloride	2.83	84	468	Below Cal	#	83
31) Cyclohexane	5.62	56	5905	1.173	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	23736	5.100	ug/l #	49
38) Carbon Tetrachloride	5.62	117	30771	6.752	ug/l #	16
51) 4-Methyl-2-Pentanone	8.69	43	2614	0.560	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	105290	23.216	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	105290	67.114	ug/l #	12

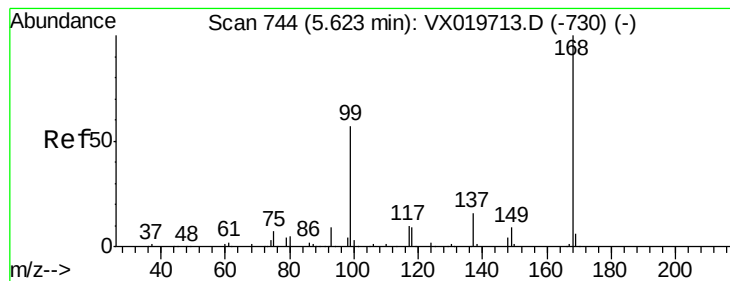
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121120\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX019920.D

Acq: 12 Dec 2020 10:02

Instrument :

MSVOA_X

ClientSampleId :

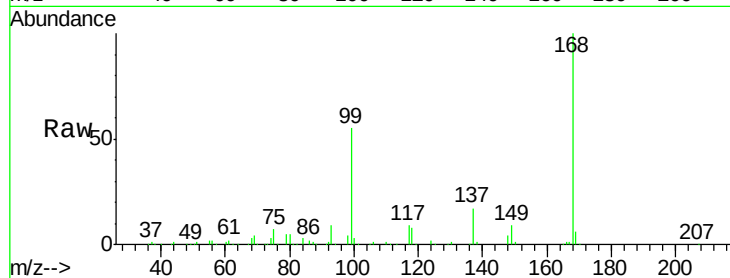
TU032-32-FD02-120220

Tgt Ion:168 Resp: 307944

Ion Ratio Lower Upper

168 100

99 54.9 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

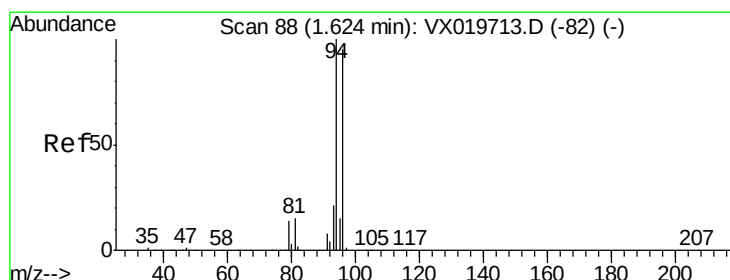
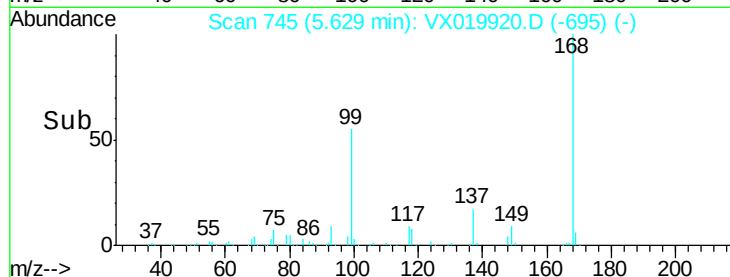
100000

50000

0

Time-->

5.50 5.60 5.70



#5

Bromomethane

Concen: 0.533 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX019920.D

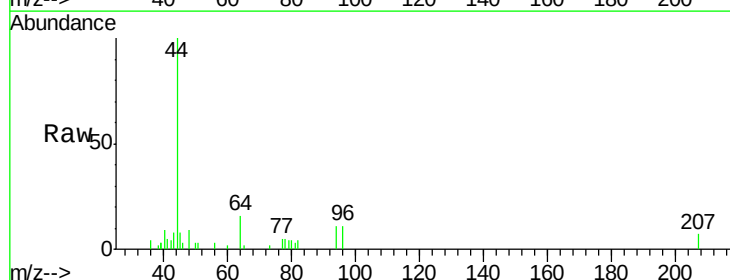
Acq: 12 Dec 2020 10:02

Tgt Ion: 94 Resp: 619

Ion Ratio Lower Upper

94 100

96 97.4 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

250

200

150

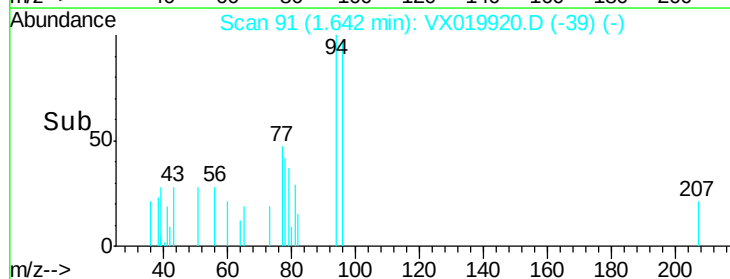
100

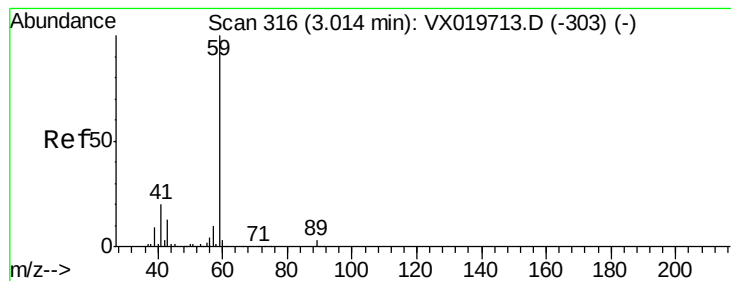
50

0

Time-->

1.60 1.65 1.70



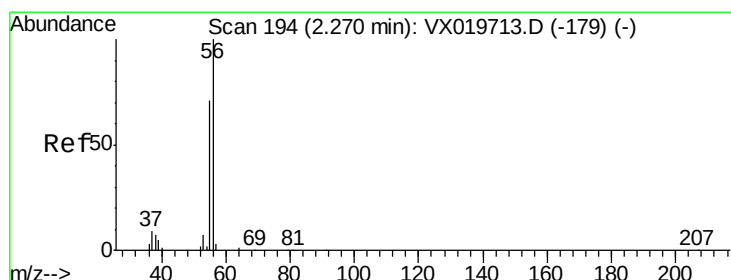
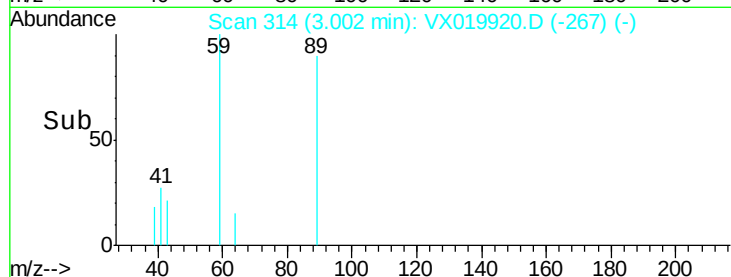
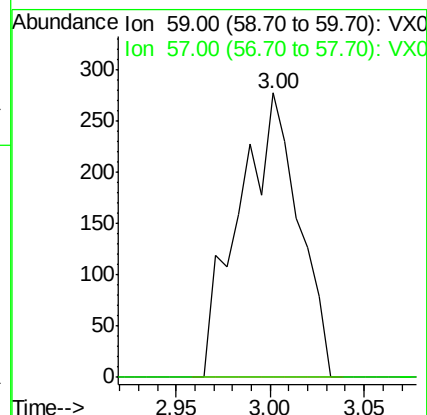
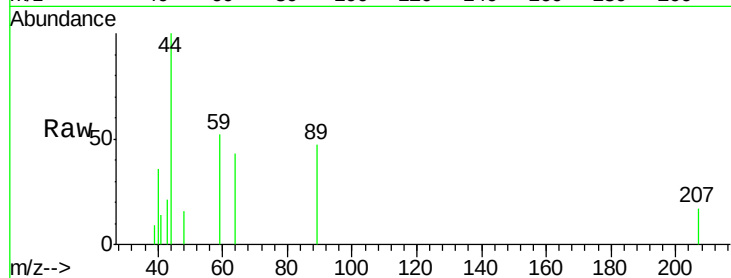


#11

Tert butyl alcohol
Concen: Below Cal
RT: 3.00 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX019920.D
Acq: 12 Dec 2020 10:02

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-FD02-120220

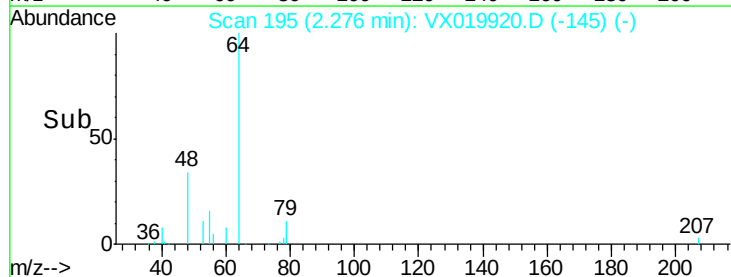
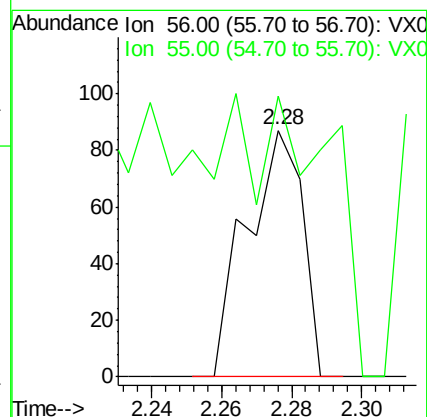
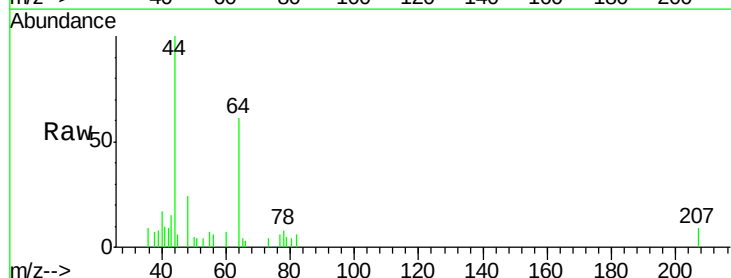
Tgt Ion: 59 Resp: 604
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

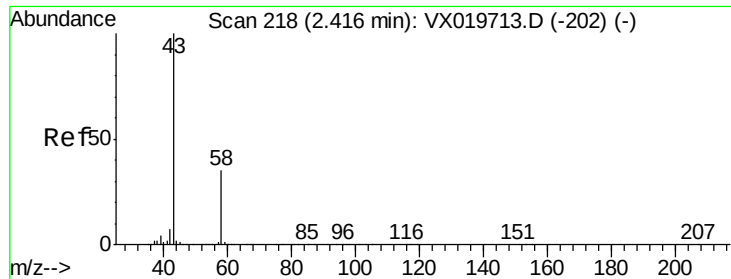


#13

Acrolein
Concen: 0.215 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX019920.D
Acq: 12 Dec 2020 10:02

Tgt Ion: 56 Resp: 96
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#





#16

Acetone

Concen: 1.093 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX019920.D

Acq: 12 Dec 2020 10:02

Instrument :

MSVOA_X

ClientSampleId :

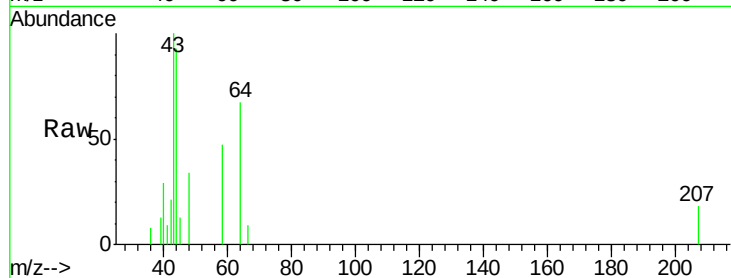
TU032-32-FD02-120220

Tgt Ion: 43 Resp: 1662

Ion Ratio Lower Upper

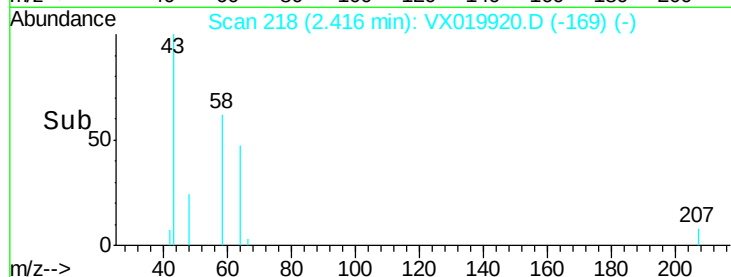
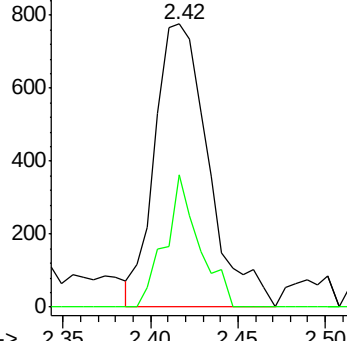
43 100

58 46.9 27.8 41.8#

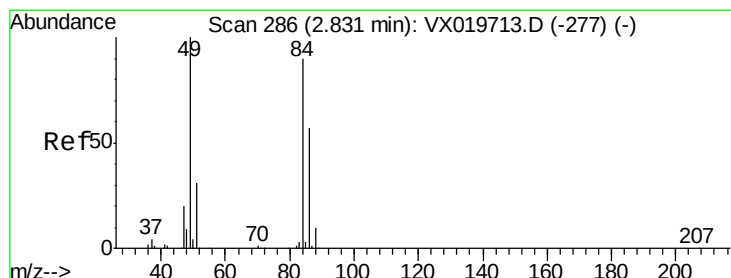


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 2.83 min Scan# 286

Delta R.T. 0.00 min

Lab File: VX019920.D

Acq: 12 Dec 2020 10:02

Tgt Ion: 84 Resp: 468

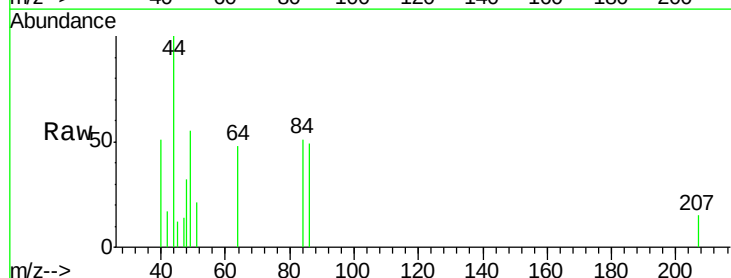
Ion Ratio Lower Upper

84 100

49 106.9 88.6 132.8

51 41.6 27.0 40.6#

86 95.8 50.3 75.5#

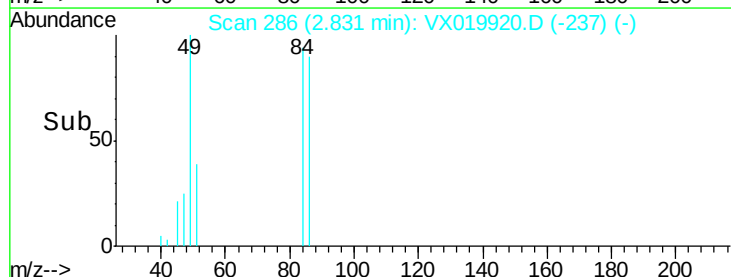
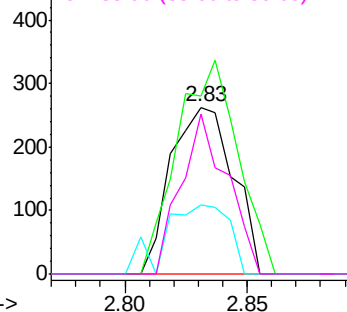


Abundance Ion 83.90 (83.60 to 84.60): VX0

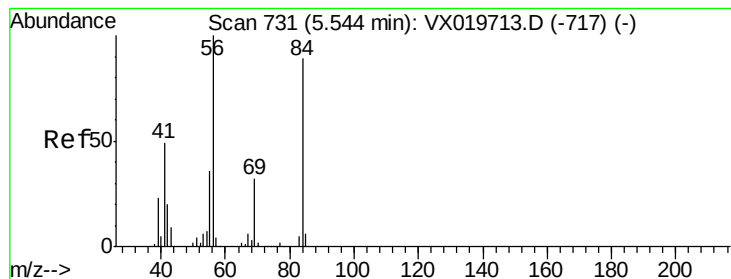
Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



Time-->



#31

Cyclohexane

Concen: 1.173 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.08 min

Lab File: VX019920.D

Acq: 12 Dec 2020 10:02

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-FD02-120220

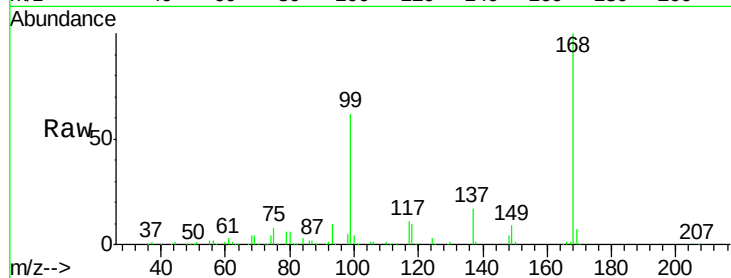
Tgt Ion: 56 Resp: 5905

Ion Ratio Lower Upper

56 100

69 198.4 25.3 37.9#

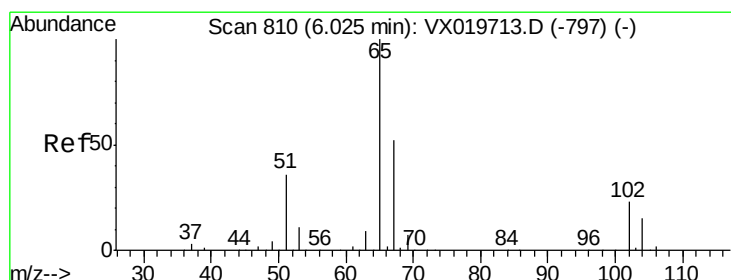
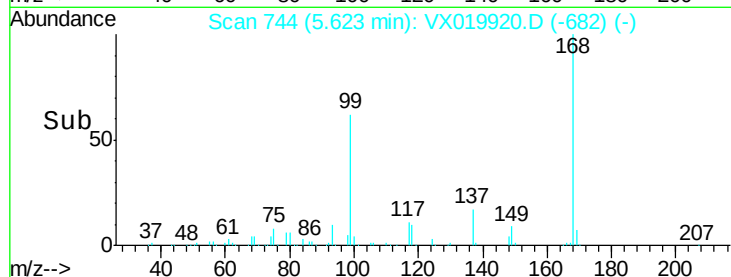
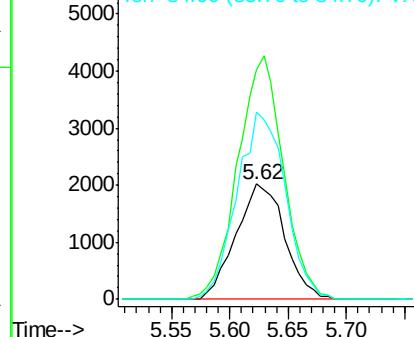
84 162.4 71.4 107.0#



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: 48.962 ug/l

RT: 6.03 min Scan# 810

Delta R.T. 0.00 min

Lab File: VX019920.D

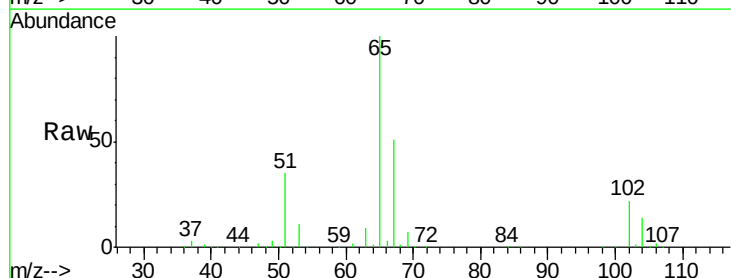
Acq: 12 Dec 2020 10:02

Tgt Ion: 65 Resp: 198165

Ion Ratio Lower Upper

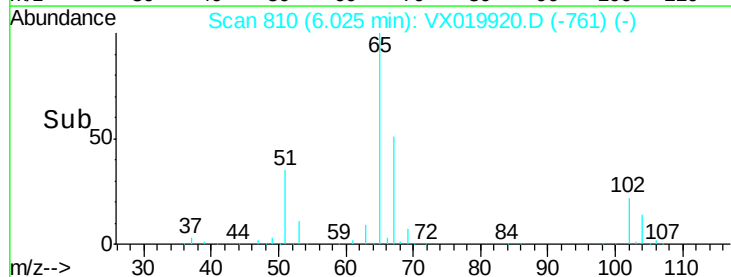
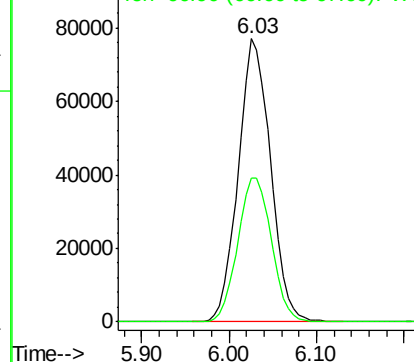
65 100

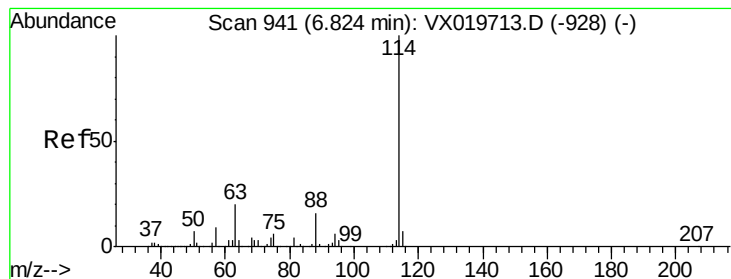
67 53.3 0.0 105.4



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: VX019920.D

Acq: 12 Dec 2020 10:02

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-FD02-120220

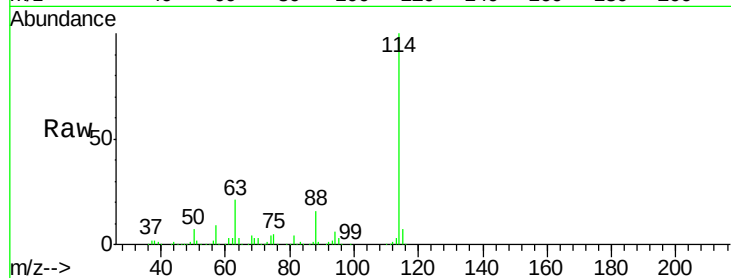
Tgt Ion:114 Resp: 515014

Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.8

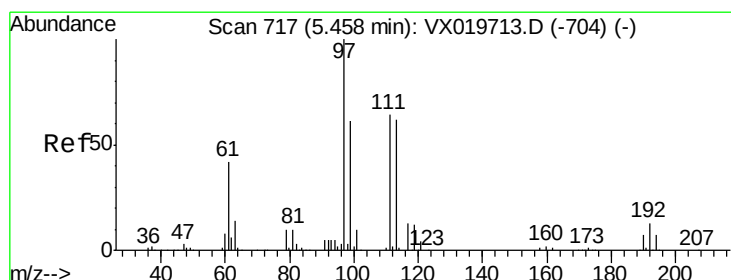
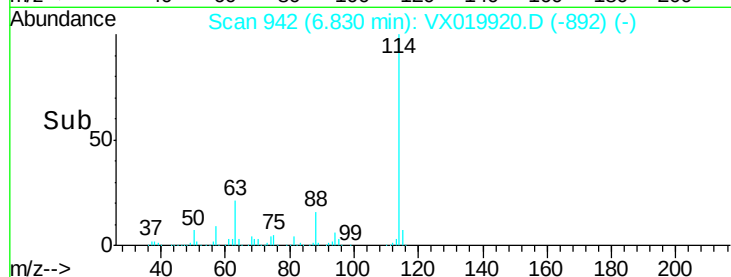
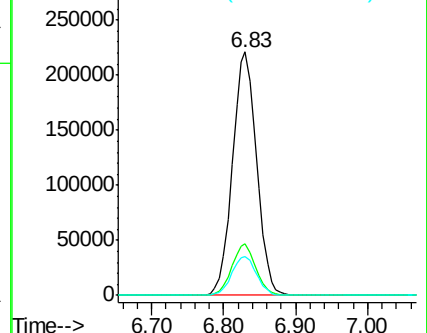
88 16.0 0.0 32.8



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: 48.152 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019920.D

Acq: 12 Dec 2020 10:02

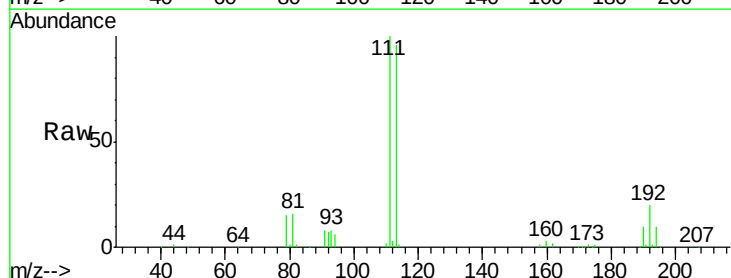
Tgt Ion:113 Resp: 160271

Ion Ratio Lower Upper

113 100

111 103.0 81.9 122.9

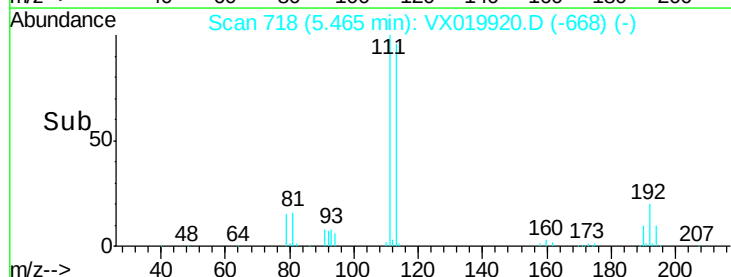
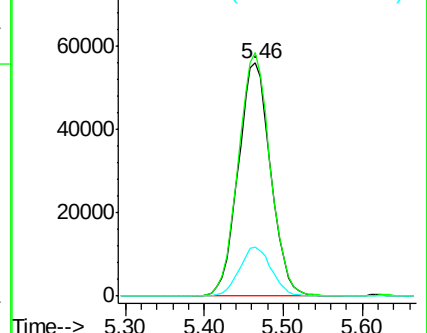
192 20.9 16.7 25.1

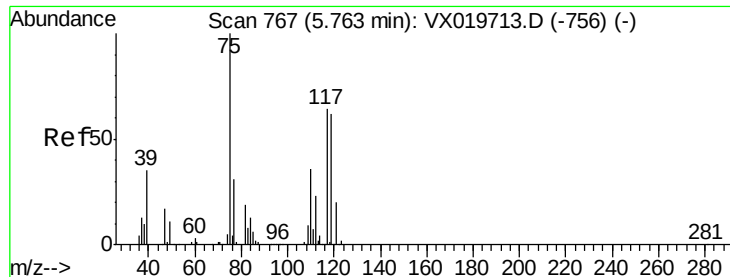


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.100 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX019920.D

Acq: 12 Dec 2020 10:02

Instrument :

MSVOA_X

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TU032-32-FD02-120220

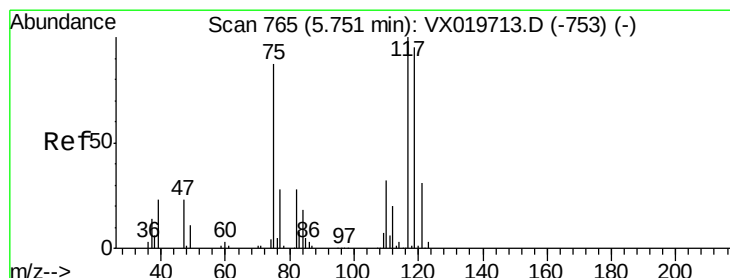
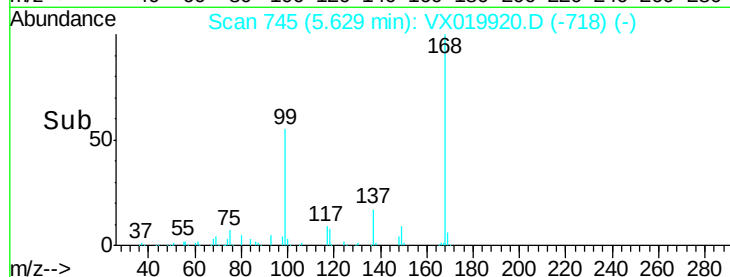
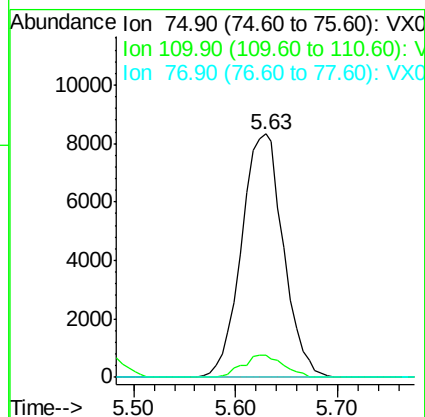
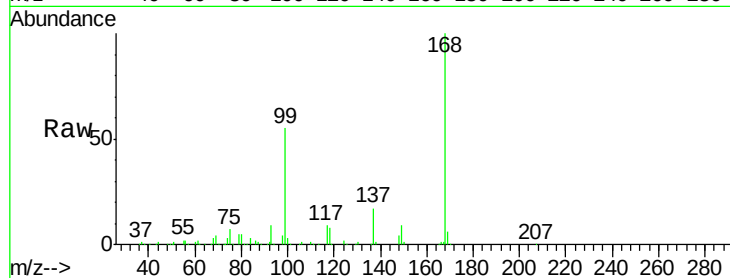
Tgt Ion: 75 Resp: 23736

Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.4#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 6.752 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX019920.D

Acq: 12 Dec 2020 10:02

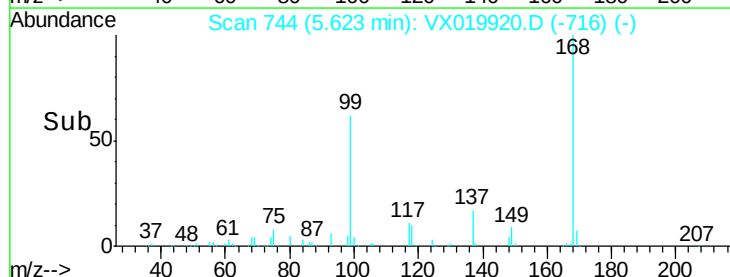
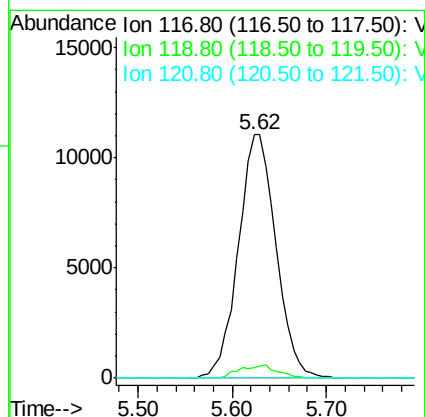
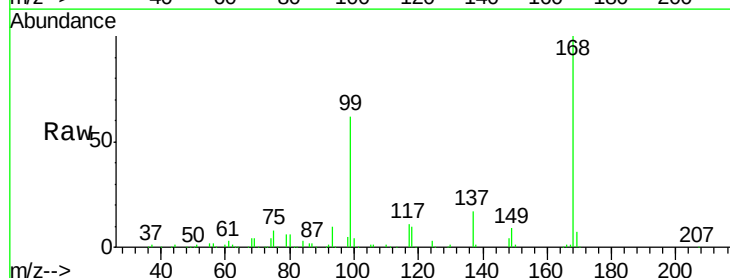
Tgt Ion: 117 Resp: 30771

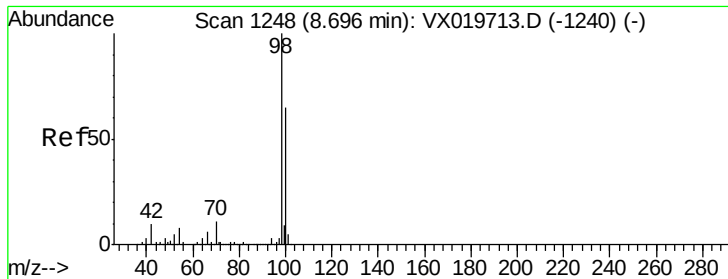
Ion Ratio Lower Upper

117 100

119 4.3 76.2 114.2#

121 0.0 24.8 37.2#

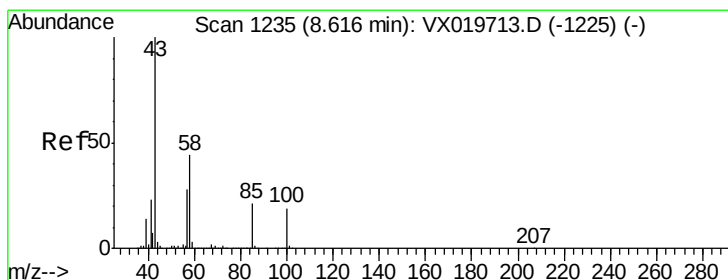
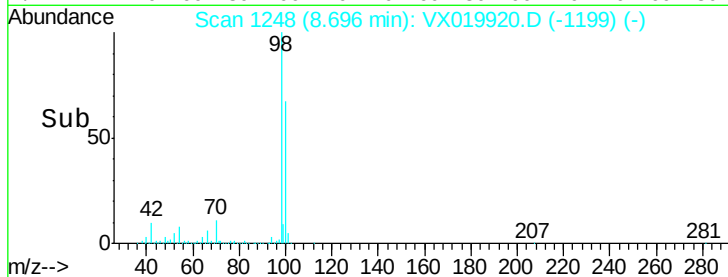
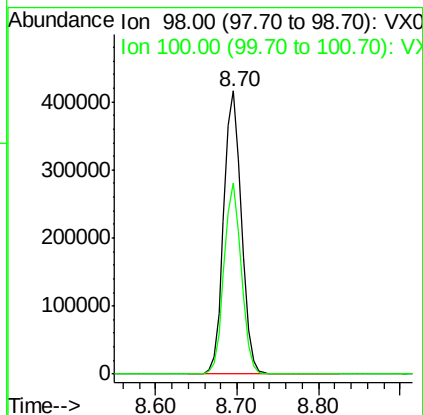
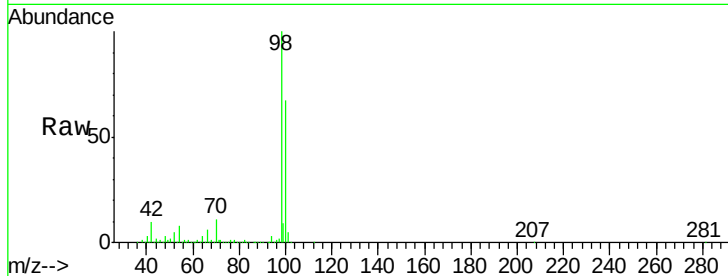




#50
Toluene-d8
Concen: 49.281 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019920.D
Acq: 12 Dec 2020 10:02

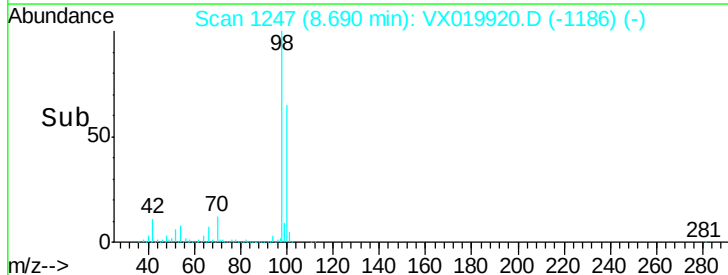
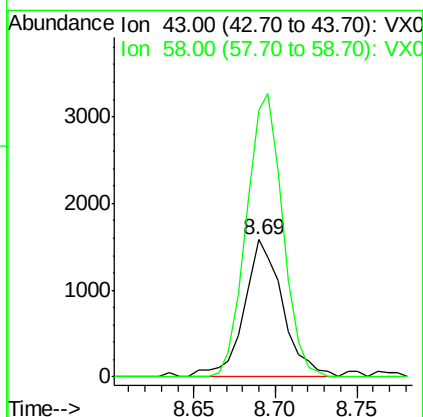
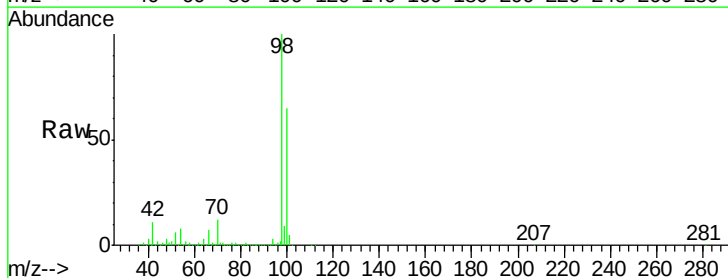
Instrument :
MSVOA_X
ClientSampleId :
TU032-32-FD02-120220

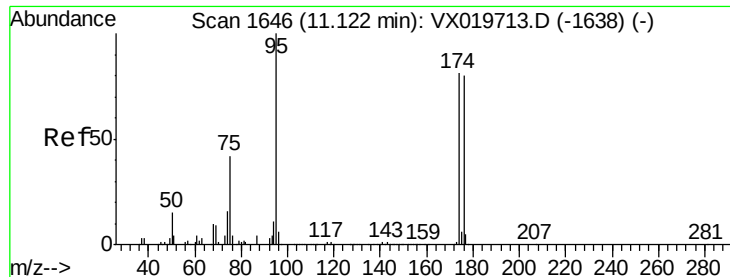
Tgt Ion: 98 Resp: 626224
Ion Ratio Lower Upper
98 100
100 65.9 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.560 ug/l
RT: 8.69 min Scan# 1247
Delta R.T. 0.07 min
Lab File: VX019920.D
Acq: 12 Dec 2020 10:02

Tgt Ion: 43 Resp: 2614
Ion Ratio Lower Upper
43 100
58 192.7 35.4 53.0#





#62

4-Bromofluorobenzene

Concen: 45.449 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019920.D

Acq: 12 Dec 2020 10:02

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-FD02-120220

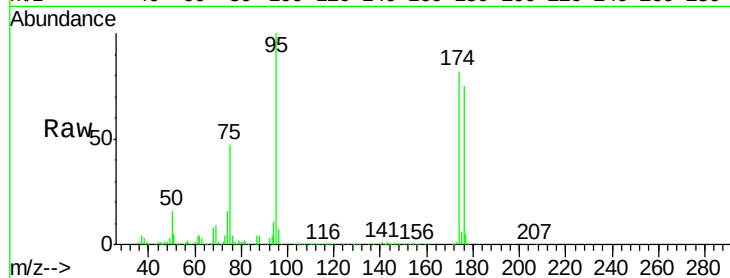
Tgt Ion: 95 Resp: 219816

Ion Ratio Lower Upper

95 100

174 78.4 0.0 154.6

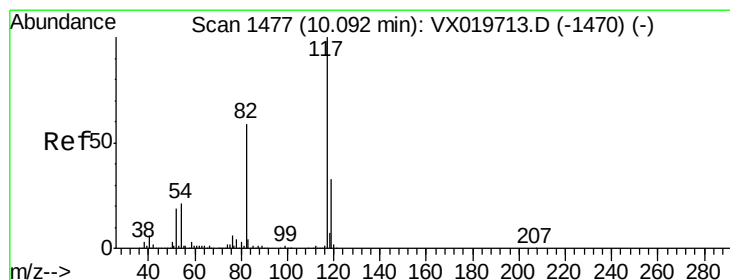
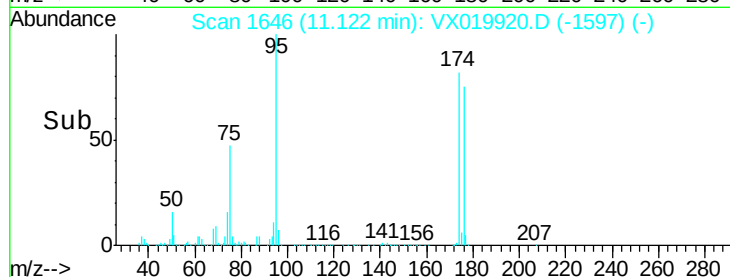
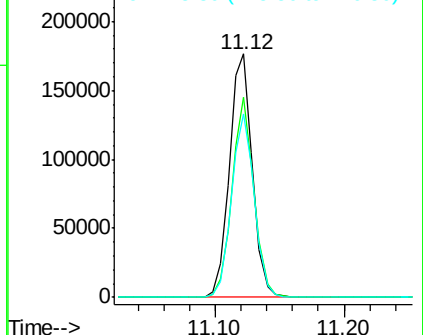
176 74.8 0.0 155.8



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: 10.10 min Scan# 1478

Delta R.T. 0.01 min

Lab File: VX019920.D

Acq: 12 Dec 2020 10:02

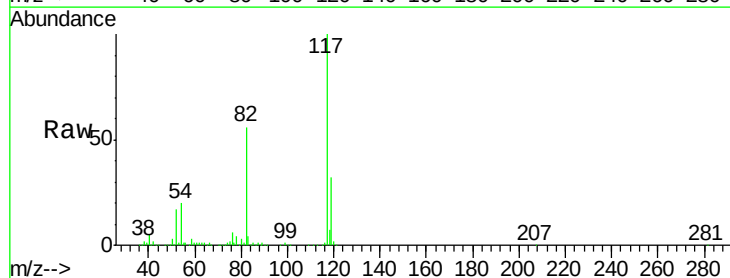
Tgt Ion: 117 Resp: 473413

Ion Ratio Lower Upper

117 100

82 56.0 47.4 71.2

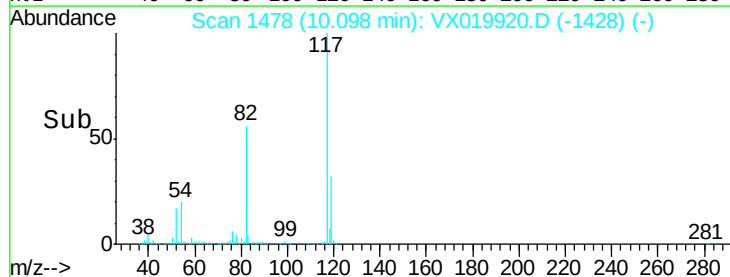
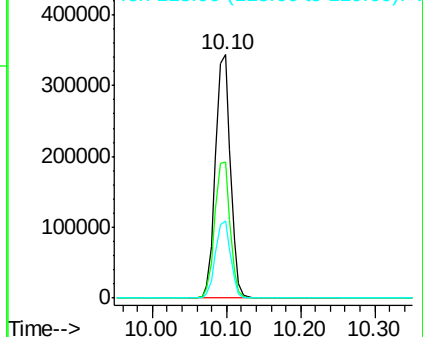
119 31.6 26.6 39.8

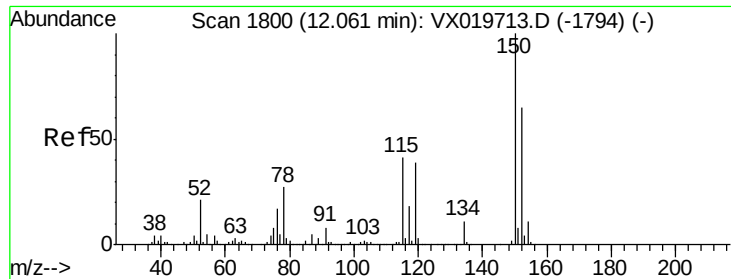


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

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: VX019920.D

Acq: 12 Dec 2020 10:02

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-FD02-120220

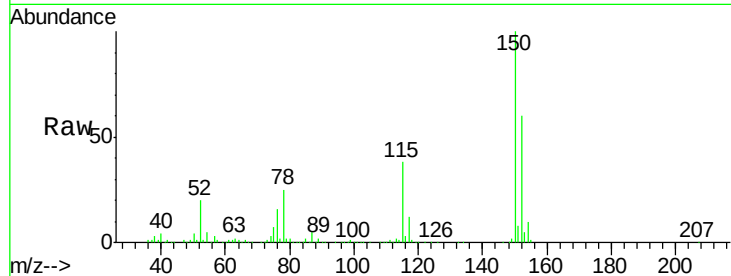
Tgt Ion:152 Resp: 202207

Ion Ratio Lower Upper

152 100

115 61.7 41.1 123.3

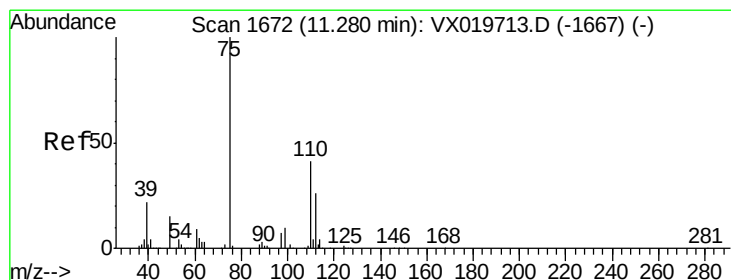
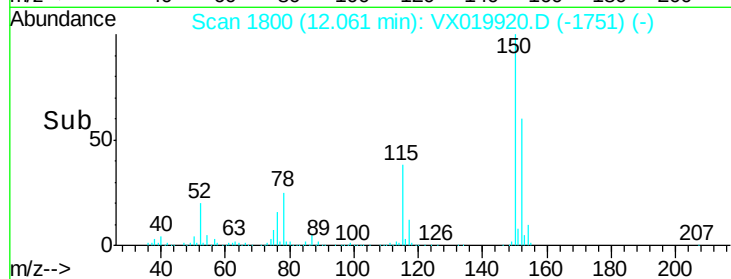
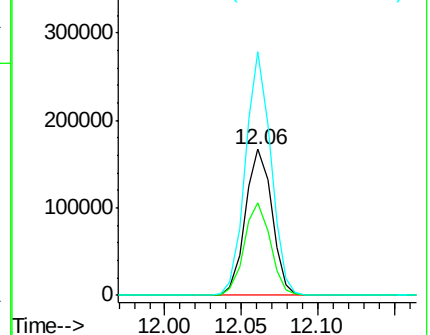
150 159.4 0.0 349.0



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: 23.216 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019920.D

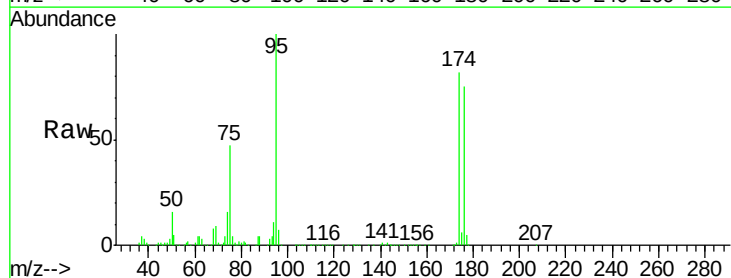
Acq: 12 Dec 2020 10:02

Tgt Ion: 75 Resp: 105290

Ion Ratio Lower Upper

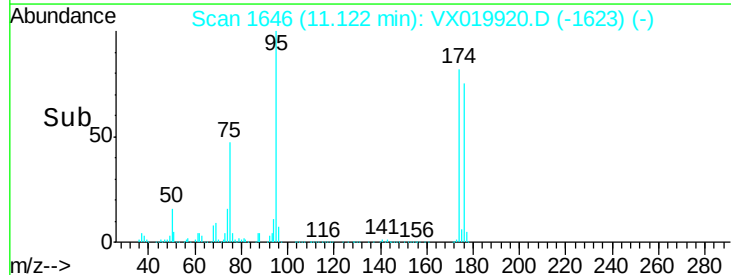
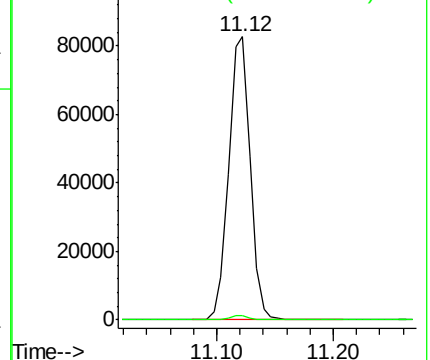
75 100

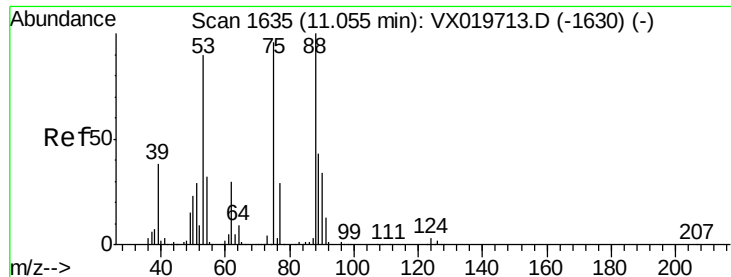
77 1.4 19.1 57.5#



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: 67.114 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.07 min
 Lab File: VX019920.D
 Acq: 12 Dec 2020 10:02

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-FD02-120220

Tgt Ion: 75 Resp: 105290
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.5 111.7#
 89 0.0 37.9 56.9#

