

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121120\
 Data File : VX019921.D
 Acq On : 12 Dec 2020 10:26
 Operator : JC/MD
 Sample : L5025-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-FD03-120220

Quant Time: Dec 14 02:50:26 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	304363	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	504954	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	468828	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	207872	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	196736	49.18	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.36%
35) Dibromofluoromethane	5.46	113	157234	48.18	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.36%
50) Toluene-d8	8.70	98	615698	49.42	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.84%
62) 4-Bromofluorobenzene	11.12	95	218213	46.02	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	92.04%

Target Compounds

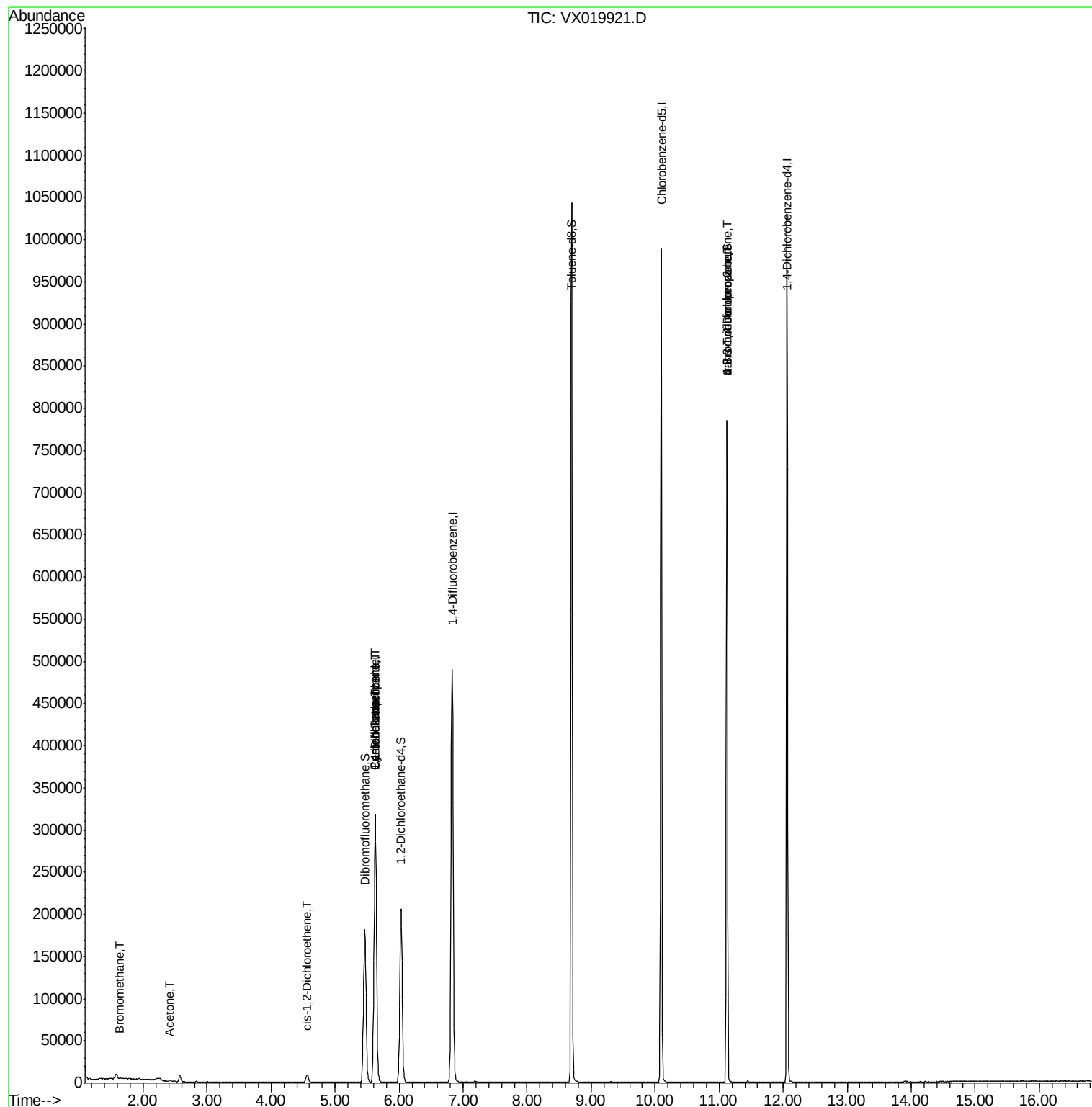
					Qvalue	
5) Bromomethane	1.64	94	642	0.560	ug/l #	69
11) Tert butyl alcohol	3.00	59	327	Below Cal	#	73
16) Acetone	2.42	43	1462	0.972	ug/l	97
20) Methylene Chloride	2.84	84	275	Below Cal	#	68
27) cis-1,2-Dichloroethene	4.56	96	6005	1.578	ug/l	94
31) Cyclohexane	5.62	56	5724	1.150	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	23121	5.067	ug/l #	48
38) Carbon Tetrachloride	5.63	117	29302	6.558	ug/l #	17
76) 1,2,3-Trichloropropane	11.12	75	106110	22.760	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	106110	65.794	ug/l #	12

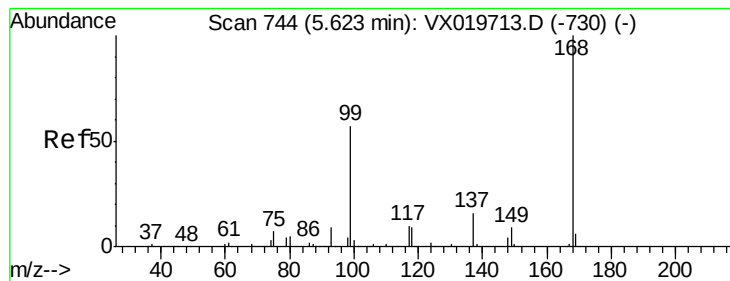
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121120\
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TU032-32-FD03-120220

Quant Time: Dec 14 02:50:26 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: VX019921.D

Acq: 12 Dec 2020 10:26

Instrument :

MSVOA_X

ClientSampleId :

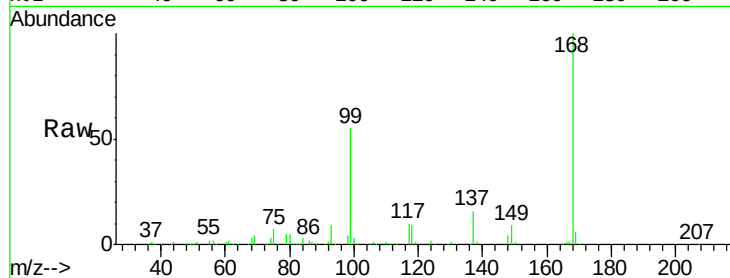
TU032-32-FD03-120220

Tgt Ion:168 Resp: 304363

Ion Ratio Lower Upper

168 100

99 55.0 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

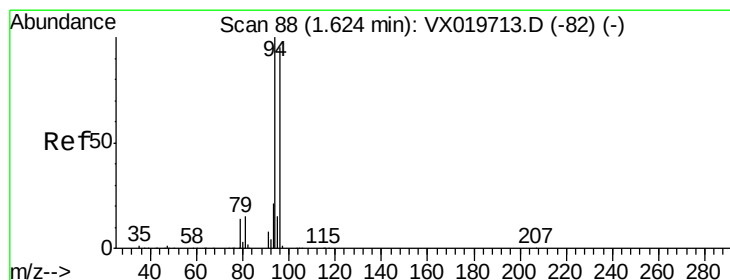
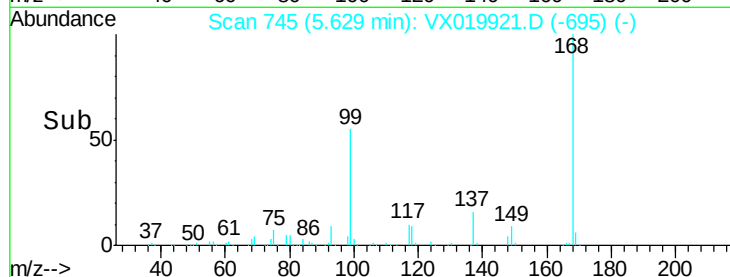
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.560 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX019921.D

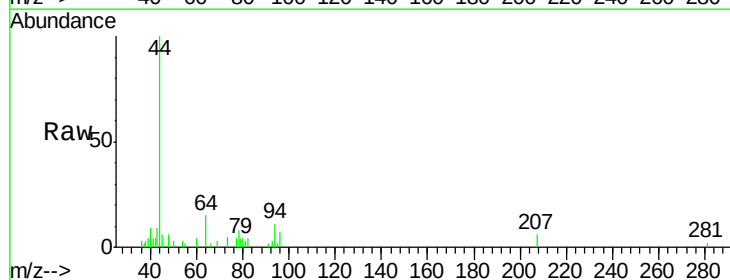
Acq: 12 Dec 2020 10:26

Tgt Ion: 94 Resp: 642

Ion Ratio Lower Upper

94 100

96 65.5 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

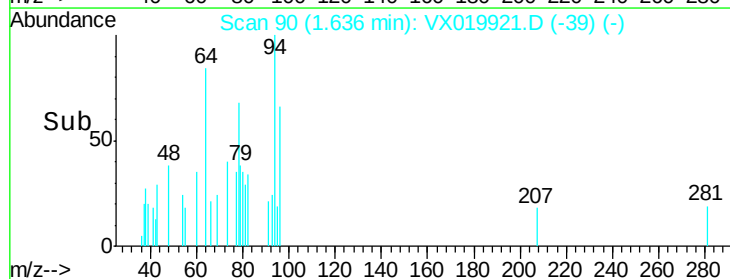
300

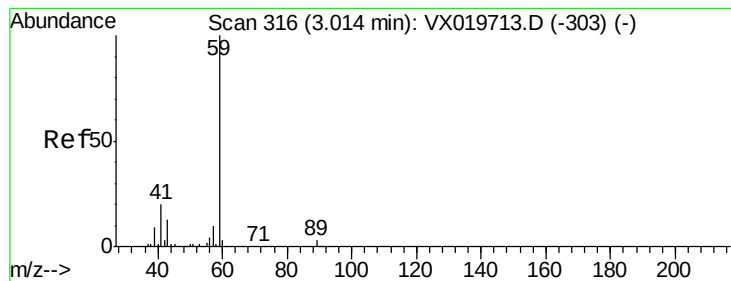
200

100

0

Time-->



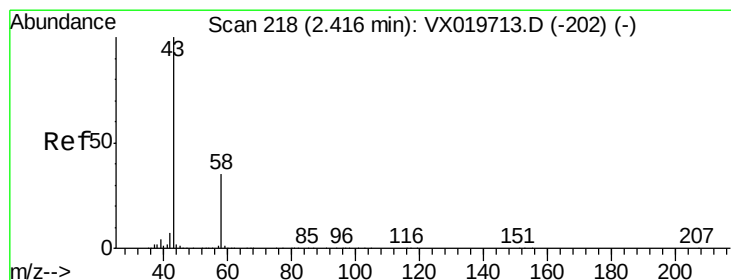
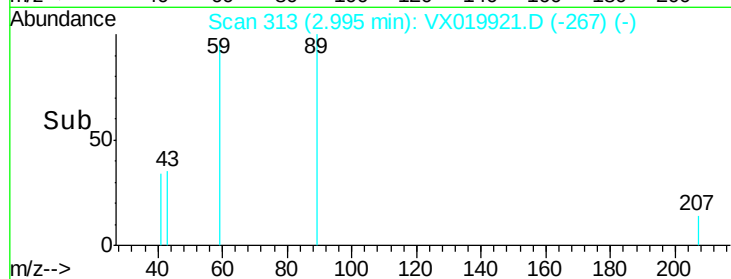
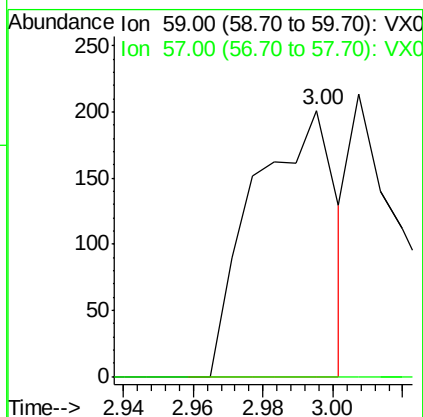
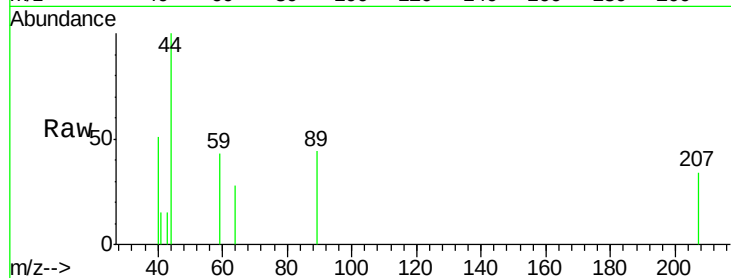


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 3.00 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: VX019921.D
 Acq: 12 Dec 2020 10:26

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-FD03-120220

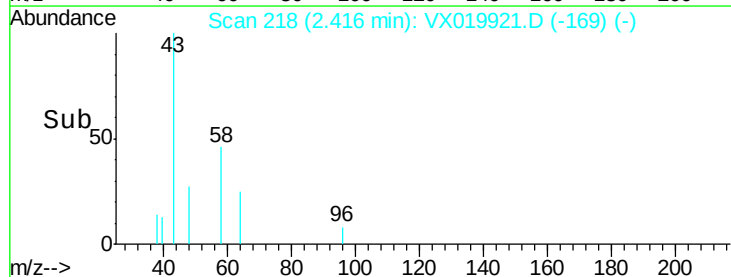
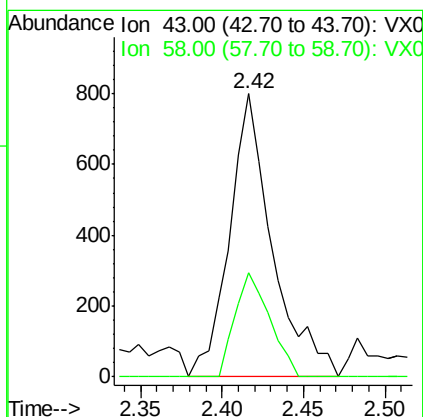
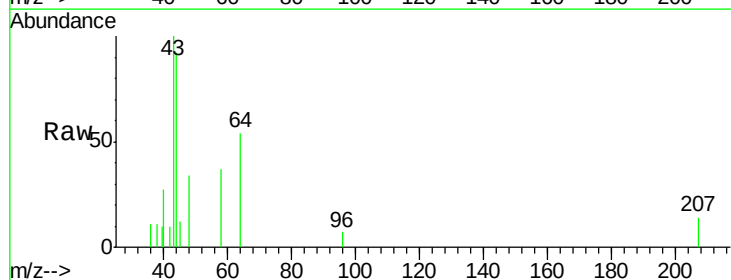
Tgt Ion: 59 Resp: 327
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#

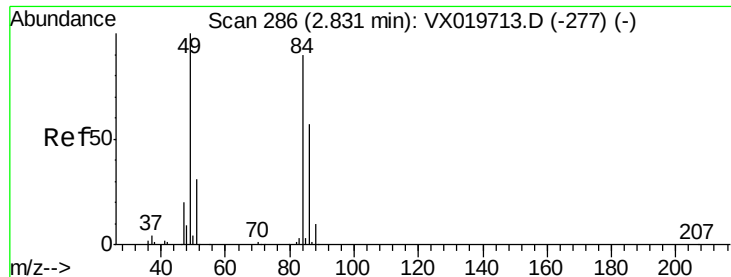


#16

Acetone
 Concen: 0.972 ug/l
 RT: 2.42 min Scan# 218
 Delta R.T. 0.00 min
 Lab File: VX019921.D
 Acq: 12 Dec 2020 10:26

Tgt Ion: 43 Resp: 1462
 Ion Ratio Lower Upper
 43 100
 58 36.7 27.8 41.8

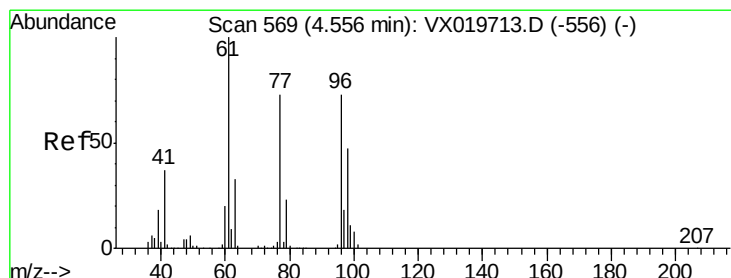
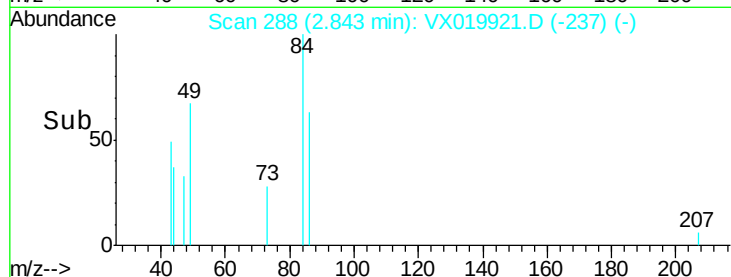
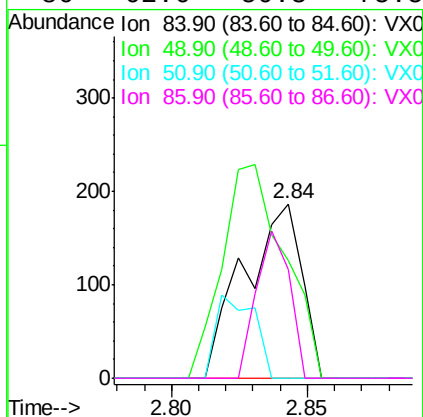
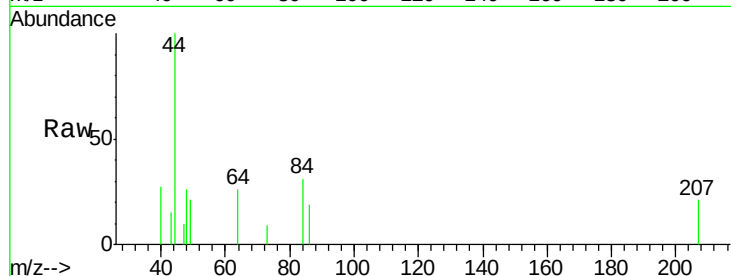




#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX019921.D
Acq: 12 Dec 2020 10:26

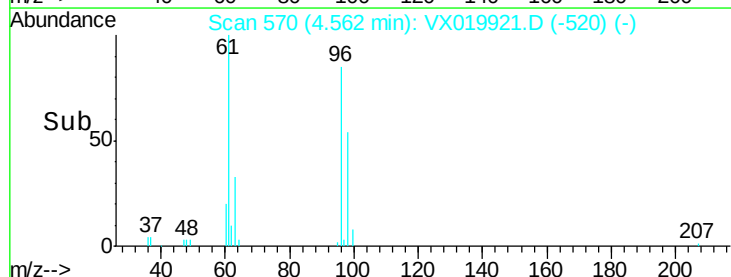
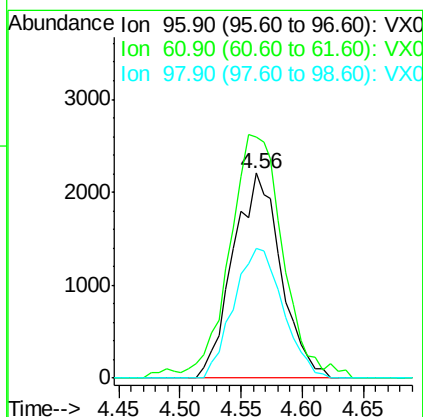
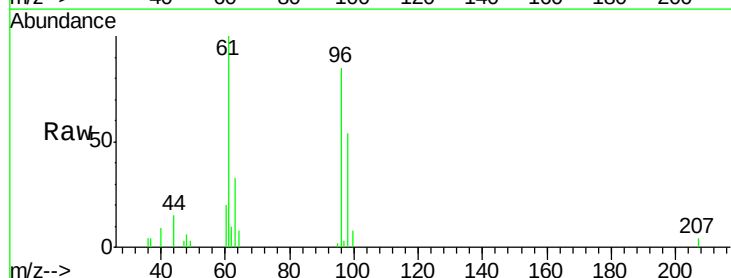
Instrument :
MSVOA_X
ClientSampleId :
TU032-32-FD03-120220

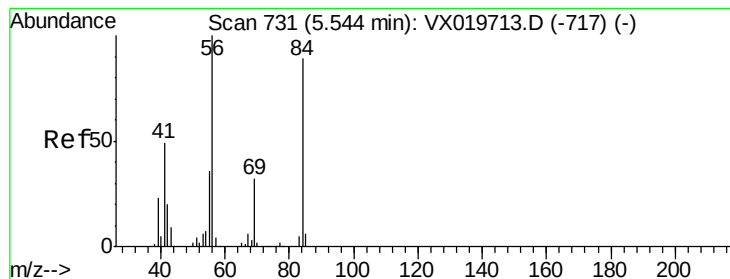
Tgt Ion: 84 Resp: 275
Ion Ratio Lower Upper
84 100
49 67.4 88.6 132.8#
51 0.0 27.0 40.6#
86 62.6 50.3 75.5



#27
cis-1,2-Dichloroethene
Concen: 1.578 ug/l
RT: 4.56 min Scan# 570
Delta R.T. 0.01 min
Lab File: VX019921.D
Acq: 12 Dec 2020 10:26

Tgt Ion: 96 Resp: 6005
Ion Ratio Lower Upper
96 100
61 131.3 0.0 285.6
98 65.0 0.0 129.6





#31

Cyclohexane

Concen: 1.150 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.08 min

Lab File: VX019921.D

Acq: 12 Dec 2020 10:26

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-FD03-120220

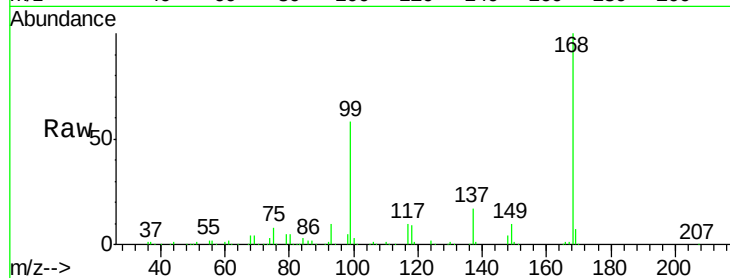
Tgt Ion: 56 Resp: 5724

Ion Ratio Lower Upper

56 100

69 180.6 25.3 37.9#

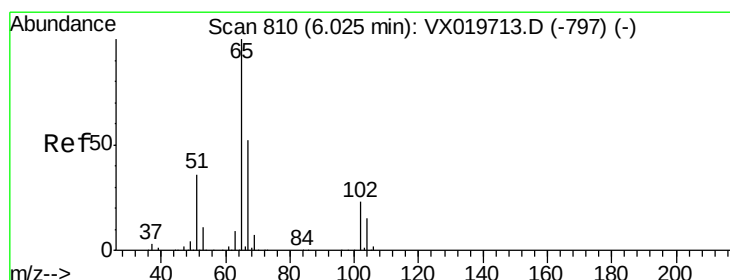
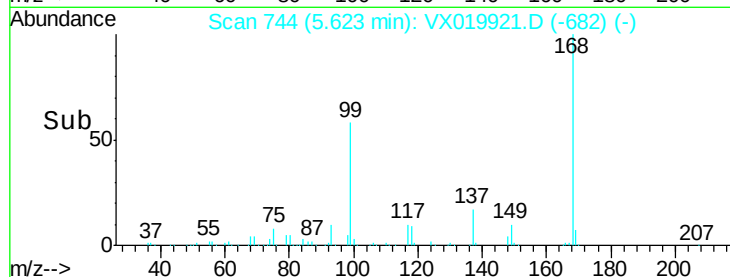
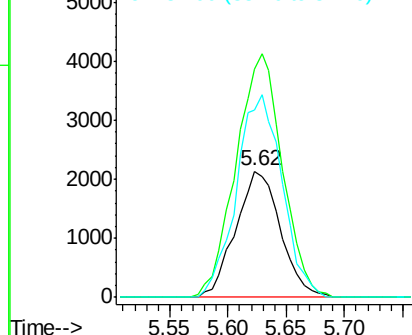
84 148.3 71.4 107.0#



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: 49.181 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.01 min

Lab File: VX019921.D

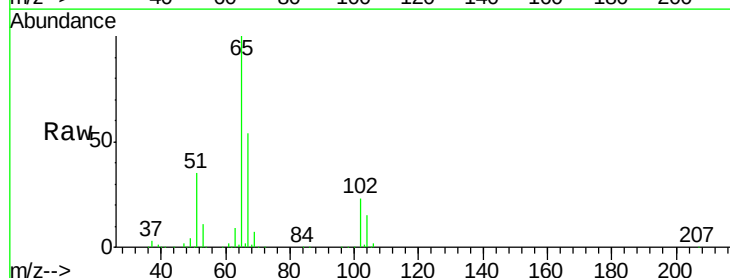
Acq: 12 Dec 2020 10:26

Tgt Ion: 65 Resp: 196736

Ion Ratio Lower Upper

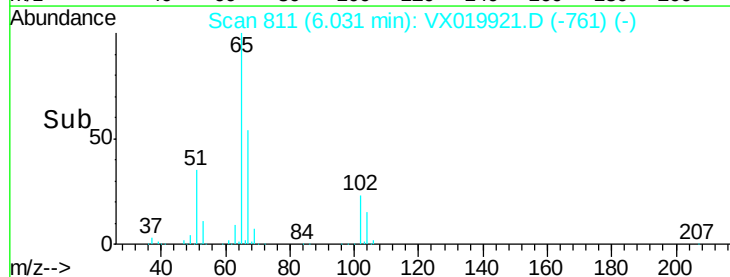
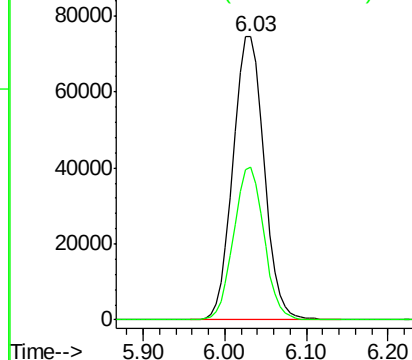
65 100

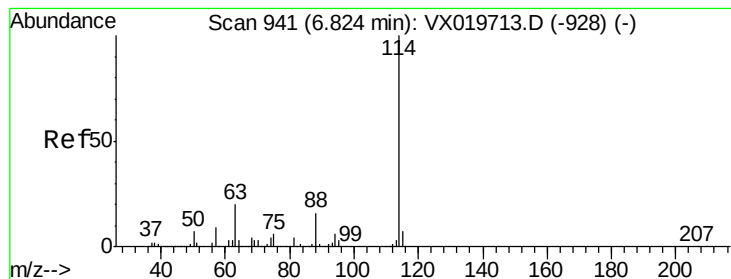
67 52.9 0.0 105.4



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: VX019921.D

Acq: 12 Dec 2020 10:26

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-FD03-120220

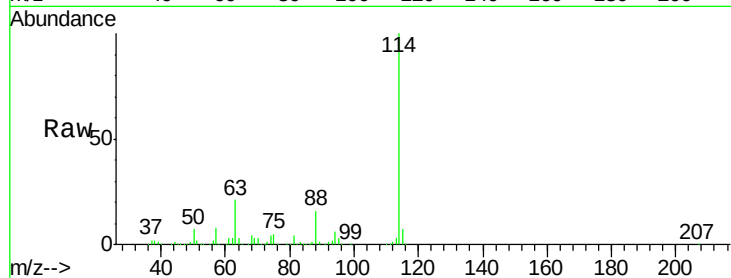
Tgt Ion:114 Resp: 504954

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

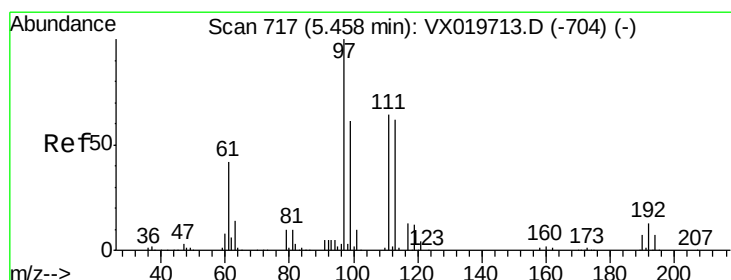
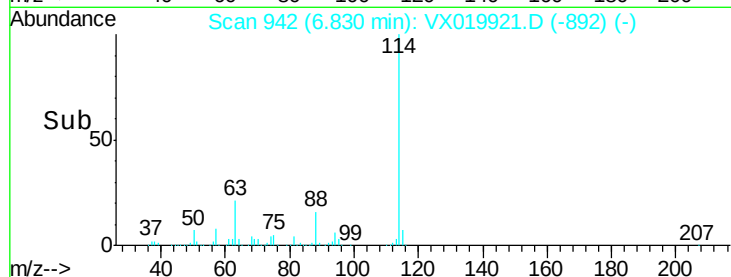
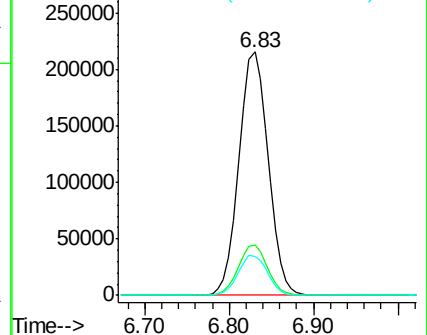
88 16.2 0.0 32.8



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: 48.180 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019921.D

Acq: 12 Dec 2020 10:26

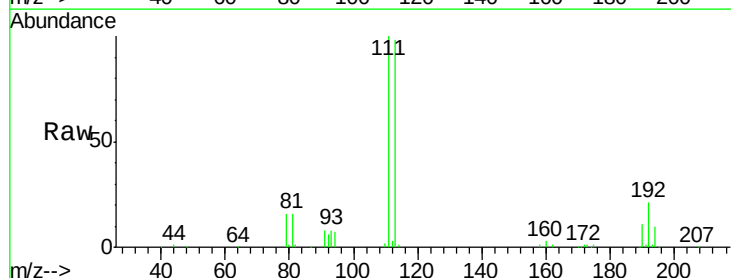
Tgt Ion:113 Resp: 157234

Ion Ratio Lower Upper

113 100

111 104.2 81.9 122.9

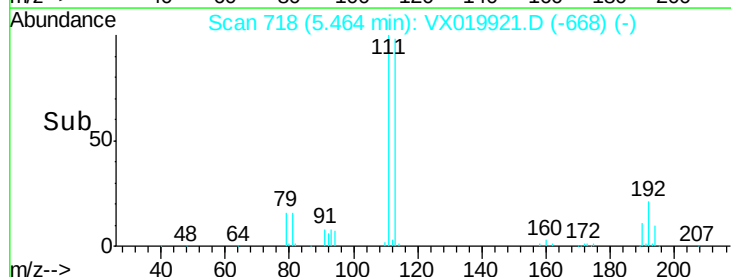
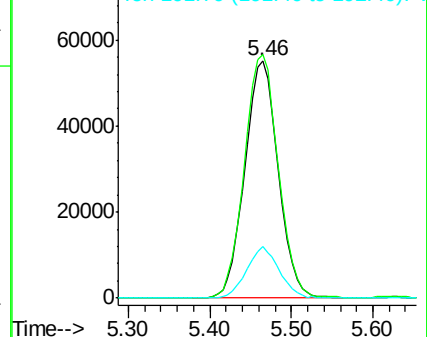
192 21.0 16.7 25.1

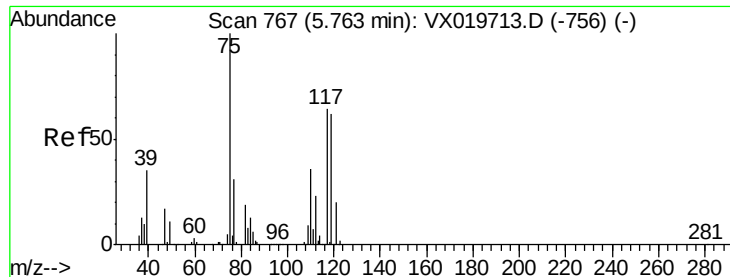


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.067 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.14 min

Lab File: VX019921.D

Acq: 12 Dec 2020 10:26

Instrument :

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ClientSampleId :

TU032-32-FD03-120220

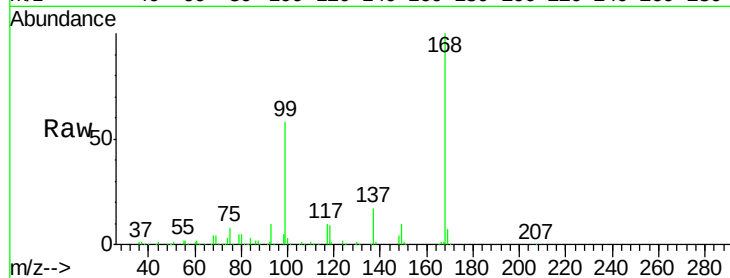
Tgt Ion: 75 Resp: 23121

Ion Ratio Lower Upper

75 100

110 7.9 18.1 54.4#

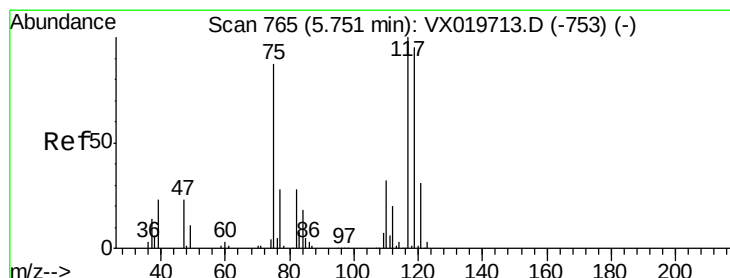
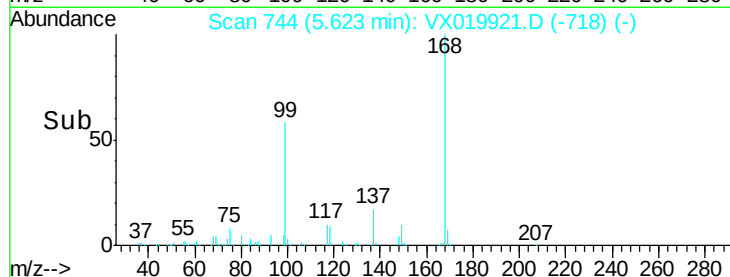
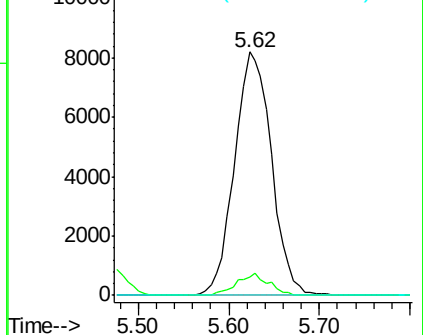
77 0.0 25.3 37.9#



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: 6.558 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019921.D

Acq: 12 Dec 2020 10:26

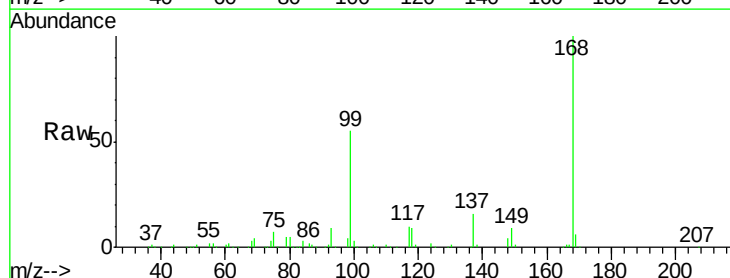
Tgt Ion: 117 Resp: 29302

Ion Ratio Lower Upper

117 100

119 6.2 76.2 114.2#

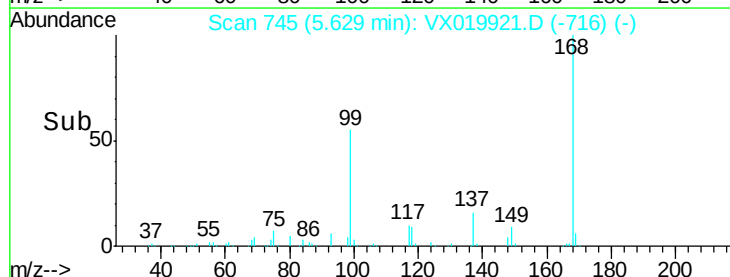
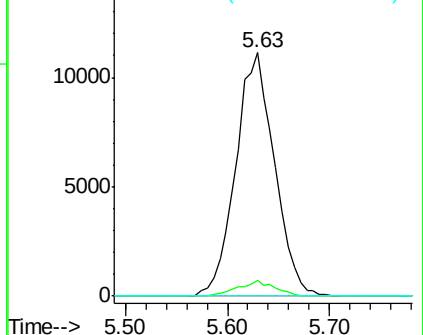
121 0.0 24.8 37.2#

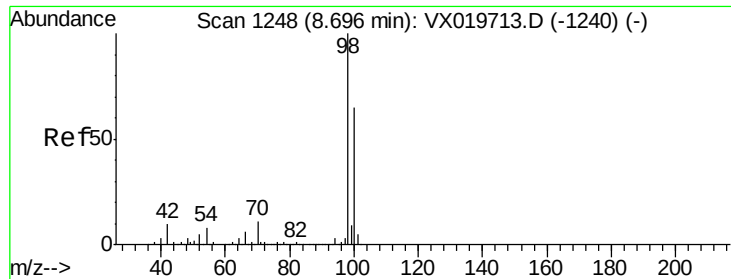


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

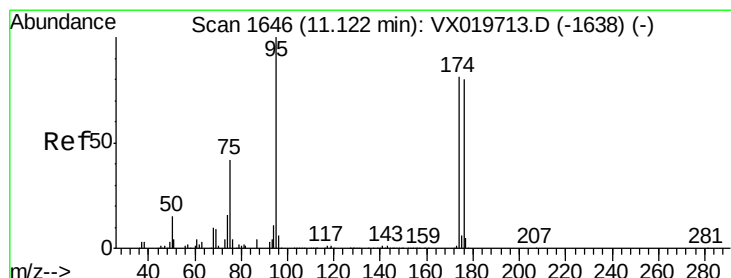
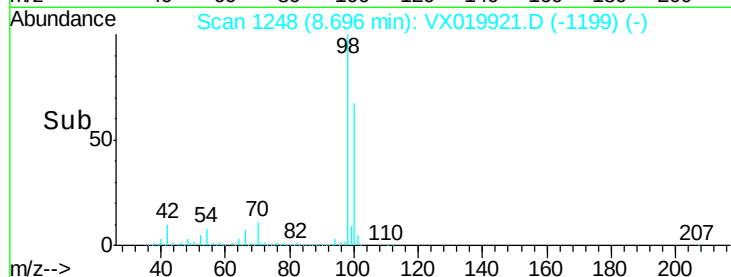
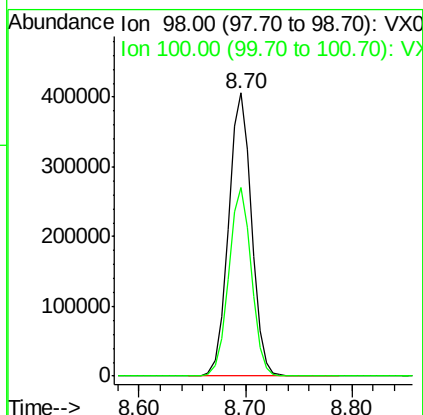
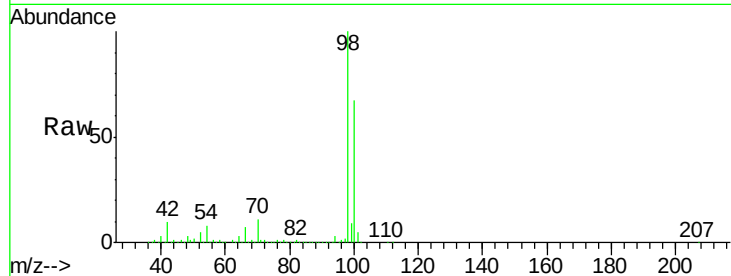




#50
Toluene-d8
Concen: 49.418 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019921.D
Acq: 12 Dec 2020 10:26

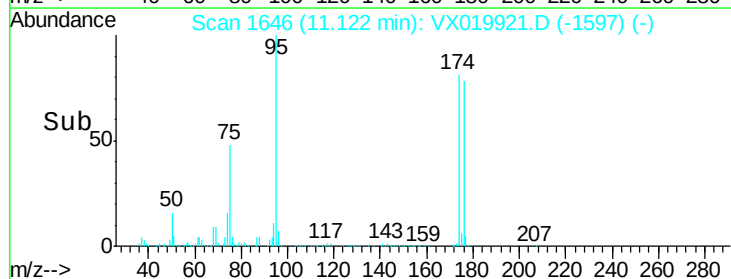
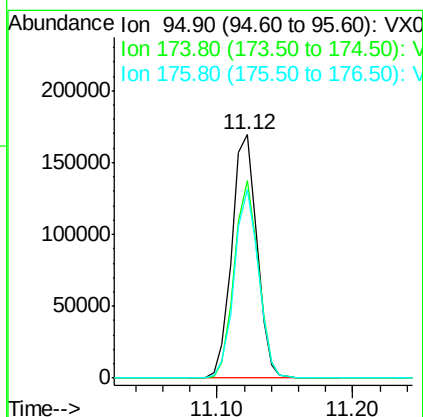
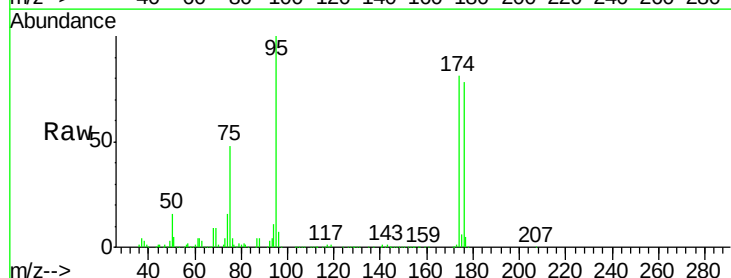
Instrument :
MSVOA_X
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TU032-32-FD03-120220

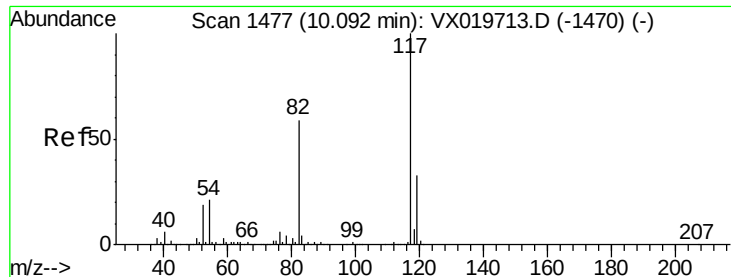
Tgt Ion: 98 Resp: 615698
Ion Ratio Lower Upper
98 100
100 65.7 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 46.017 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019921.D
Acq: 12 Dec 2020 10:26

Tgt Ion: 95 Resp: 218213
Ion Ratio Lower Upper
95 100
174 78.3 0.0 154.6
176 75.2 0.0 155.8

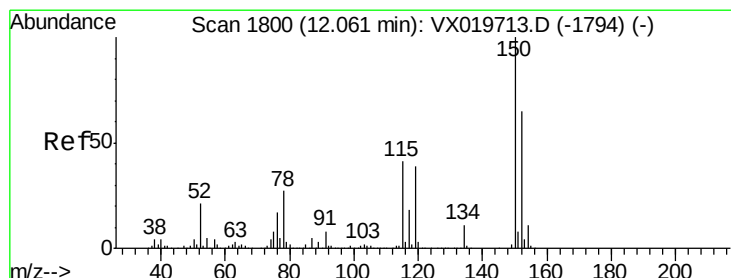
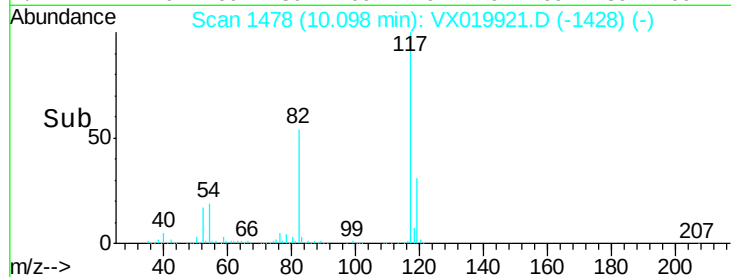
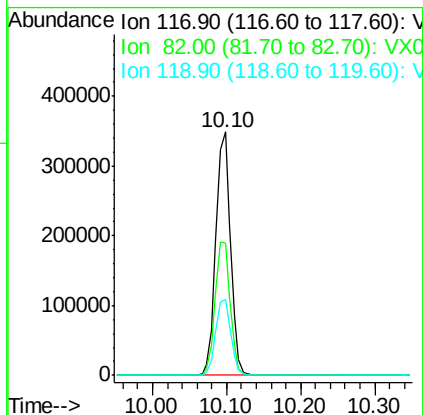
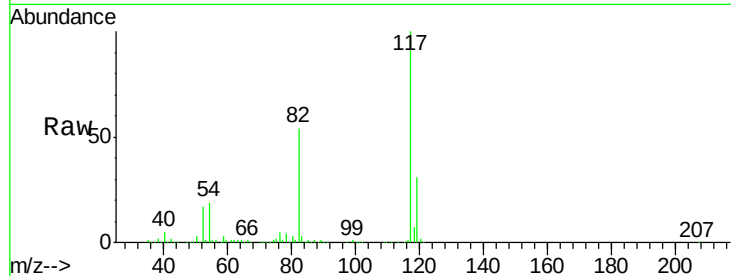




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.01 min
Lab File: VX019921.D
Acq: 12 Dec 2020 10:26

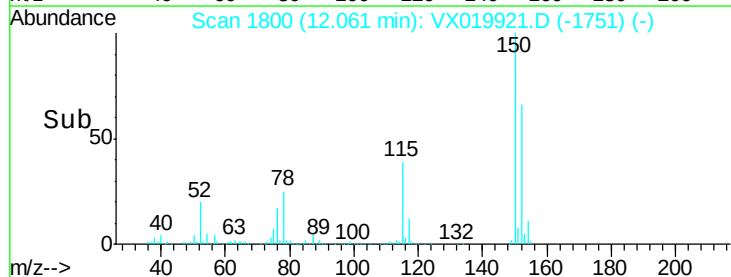
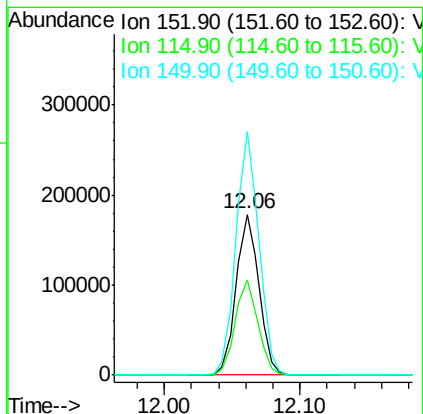
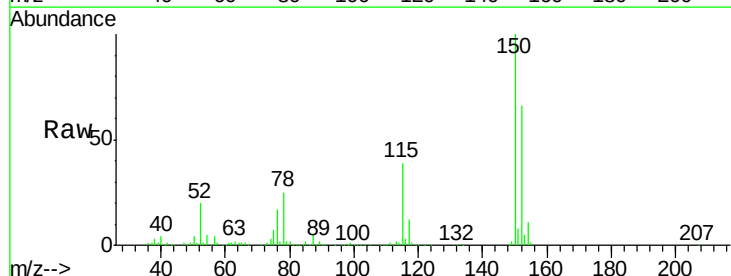
Instrument :
MSVOA_X
ClientSampleId :
TU032-32-FD03-120220

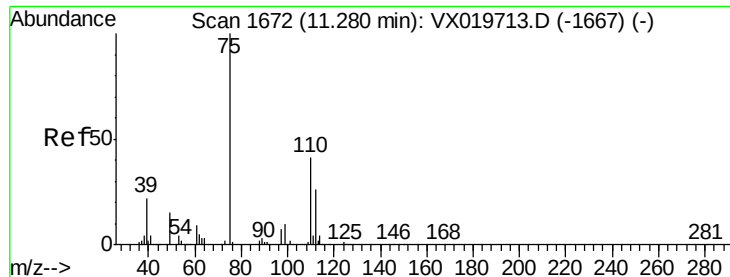
Tgt Ion:117 Resp: 468828
Ion Ratio Lower Upper
117 100
82 54.5 47.4 71.2
119 31.4 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX019921.D
Acq: 12 Dec 2020 10:26

Tgt Ion:152 Resp: 207872
Ion Ratio Lower Upper
152 100
115 59.3 41.1 123.3
150 152.7 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 22.760 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019921.D

Acq: 12 Dec 2020 10:26

Instrument :

MSVOA_X

ClientSampleId :

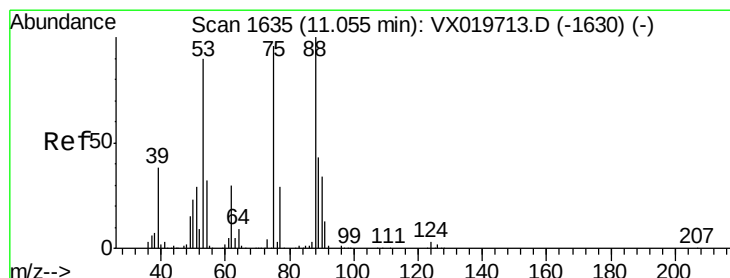
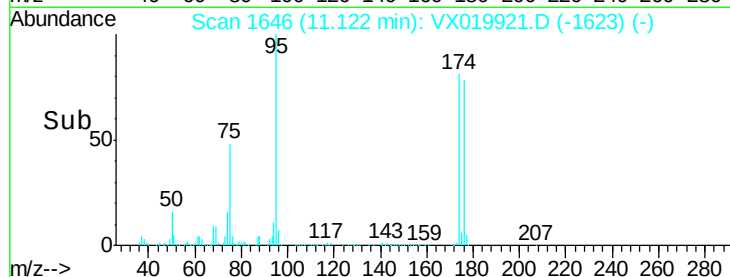
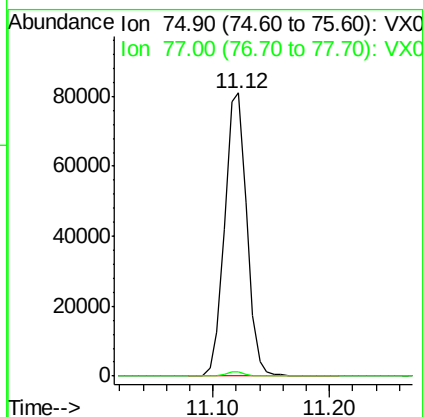
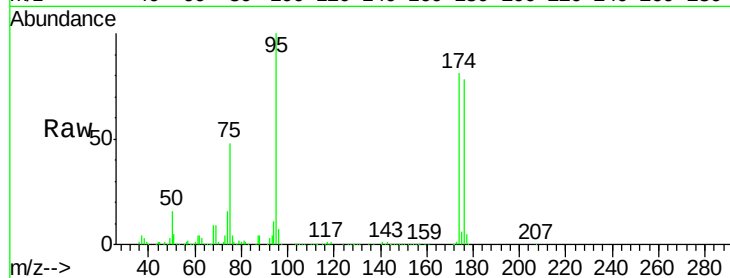
TU032-32-FD03-120220

Tgt Ion: 75 Resp: 106110

Ion Ratio Lower Upper

75 100

77 1.4 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.794 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019921.D

Acq: 12 Dec 2020 10:26

Tgt Ion: 75 Resp: 106110

Ion Ratio Lower Upper

75 100

53 0.1 74.5 111.7#

89 0.0 37.9 56.9#

