

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121120\
 Data File : VX019911.D
 Acq On : 12 Dec 2020 06:33
 Operator : JC/MD
 Sample : L5025-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-6012-120920

Quant Time: Dec 12 06:55:56 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	307252	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	513864	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	469195	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	198163	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	197490	48.91	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.82%
35) Dibromofluoromethane	5.46	113	158337	47.68	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.36%
50) Toluene-d8	8.70	98	614057	48.43	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.86%
62) 4-Bromofluorobenzene	11.12	95	216112	44.78	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	89.56%

Target Compounds

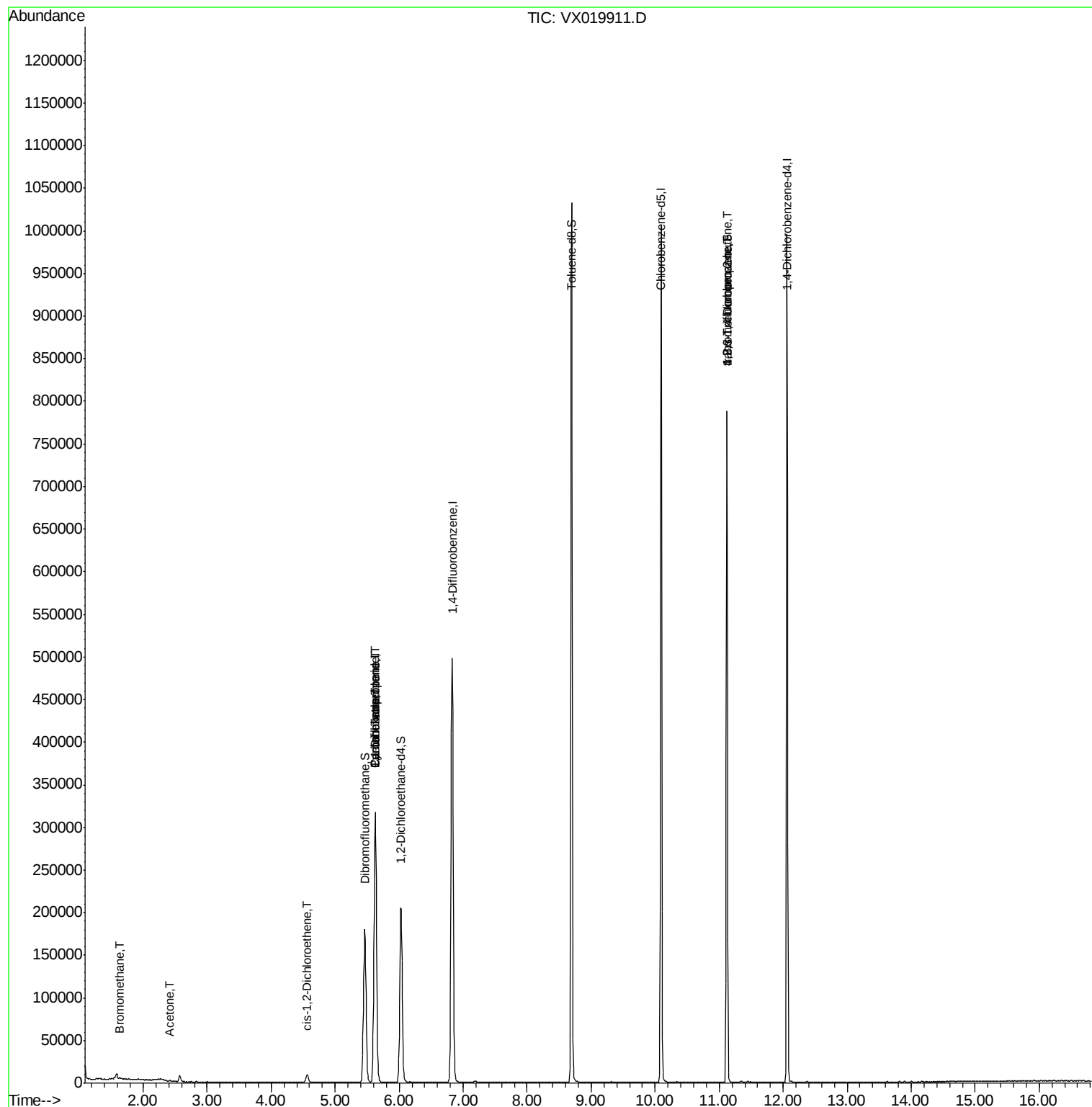
					Qvalue	
5) Bromomethane	1.64	94	598	0.516	ug/l	88
11) Tert butyl alcohol	3.00	59	548	Below Cal	#	73
16) Acetone	2.42	43	1499	0.988	ug/l	90
20) Methylene Chloride	2.83	84	330	Below Cal	#	82
27) cis-1,2-Dichloroethene	4.56	96	5938	1.546	ug/l	96
31) Cyclohexane	5.62	56	6055	1.205	ug/l	# 1
36) 1,1-Dichloropropene	5.62	75	22971	4.947	ug/l	# 49
38) Carbon Tetrachloride	5.63	117	29570	6.503	ug/l	# 17
76) 1,2,3-Trichloropropane	11.12	75	103362	23.256	ug/l	# 39
81) trans-1,4-Dichloro-2-buten	11.12	75	103362	67.230	ug/l	# 12

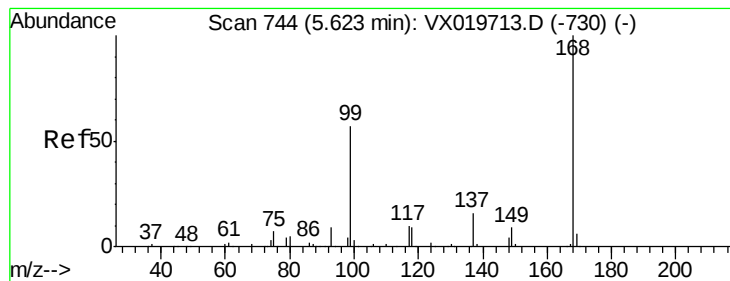
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121120\
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Operator : JC/MD
Sample : L5025-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-6012-120920

Quant Time: Dec 12 06:55:56 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: VX019911.D

Acq: 12 Dec 2020 06:33

Instrument :

MSVOA_X

ClientSampleId :

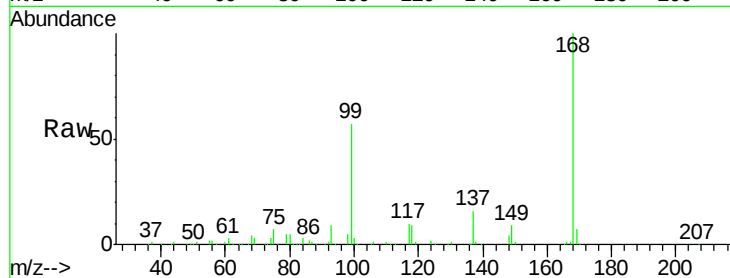
TU032-32-6012-120920

Tgt Ion: 168 Resp: 307252

Ion Ratio Lower Upper

168 100

99 56.9 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

120000

100000

80000

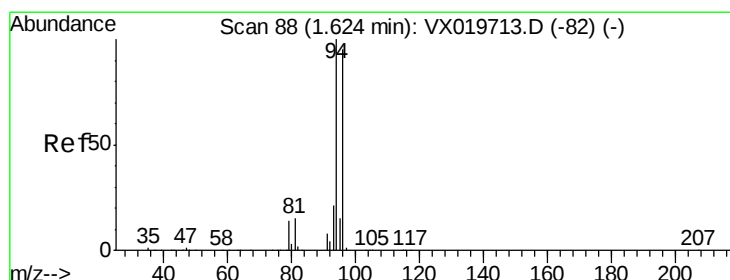
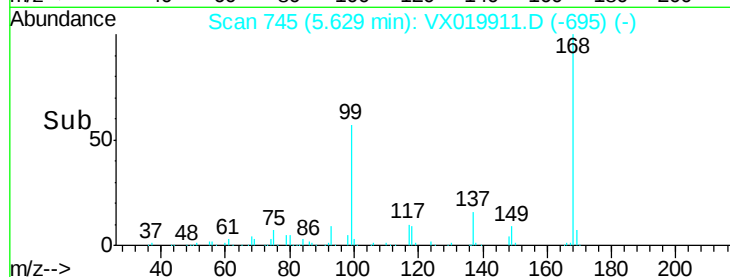
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.516 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX019911.D

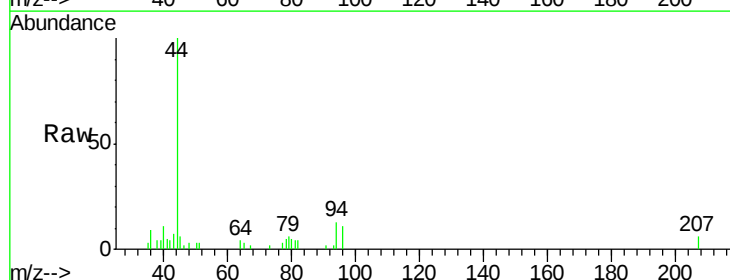
Acq: 12 Dec 2020 06:33

Tgt Ion: 94 Resp: 598

Ion Ratio Lower Upper

94 100

96 83.5 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

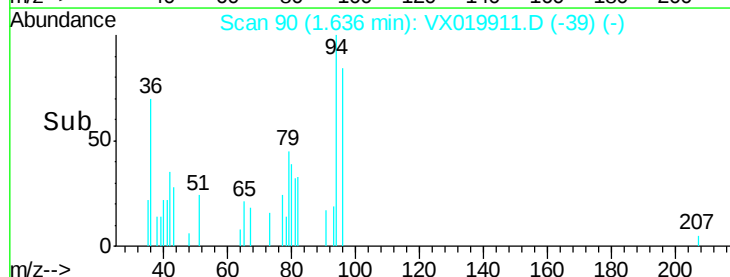
300

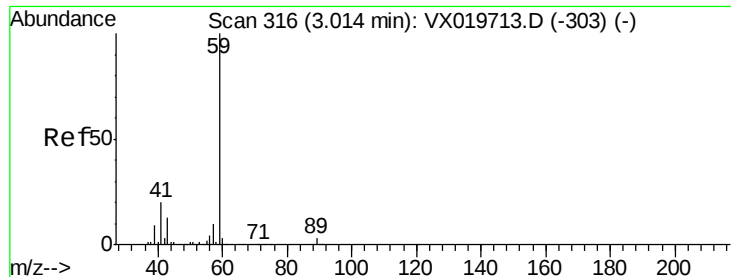
200

100

0

Time-->

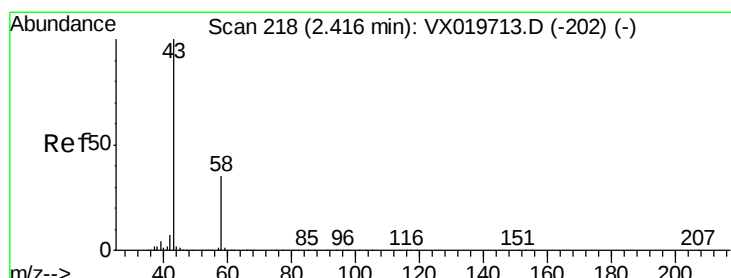
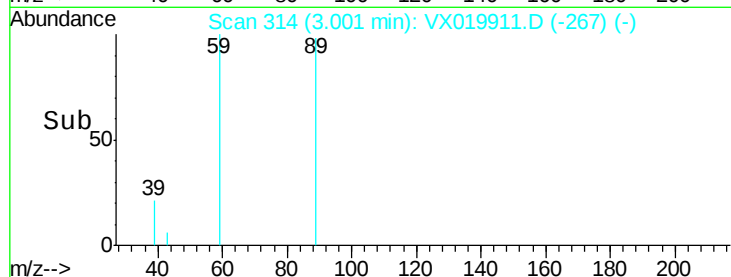
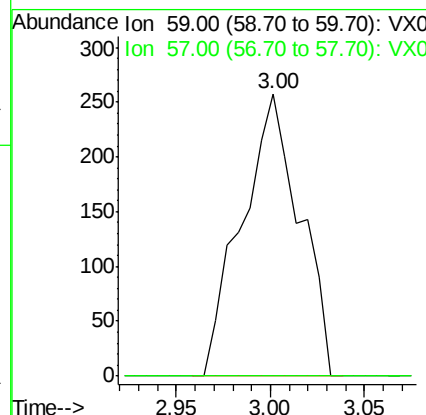
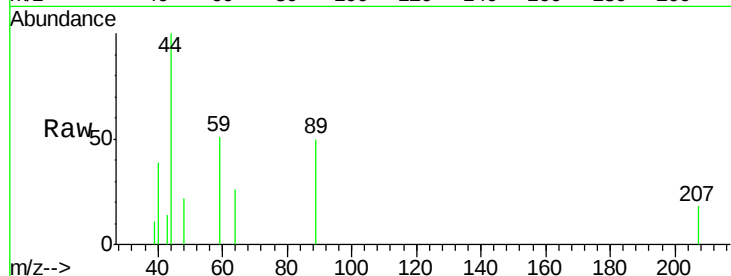




#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.00 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX019911.D
Acq: 12 Dec 2020 06:33

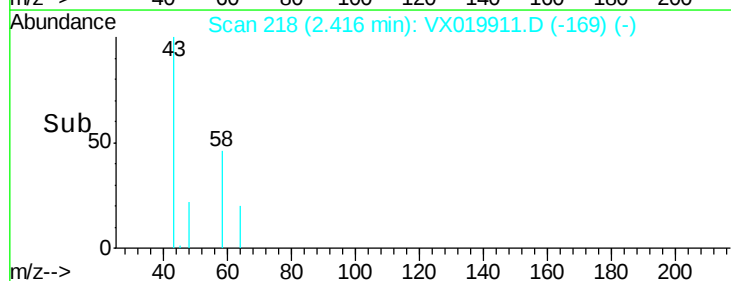
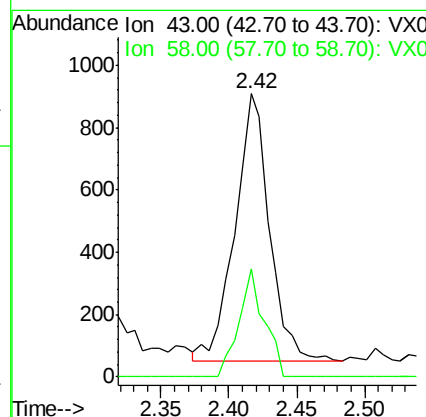
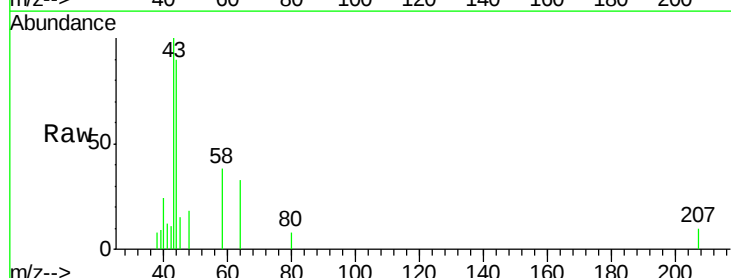
Instrument :
MSVOA_X
ClientSampleId :
TU032-32-6012-120920

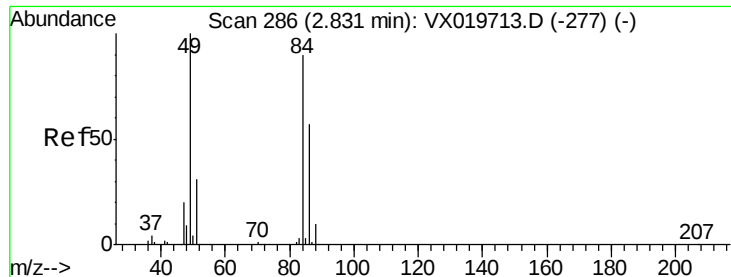
Tgt Ion: 59 Resp: 548
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 0.988 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.00 min
Lab File: VX019911.D
Acq: 12 Dec 2020 06:33

Tgt Ion: 43 Resp: 1499
Ion Ratio Lower Upper
43 100
58 40.7 27.8 41.8





#20

Methylene Chloride

Concen: Below Cal

RT: 2.83 min Scan# 286

Delta R.T. 0.00 min

Lab File: VX019911.D

Acq: 12 Dec 2020 06:33

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-6012-120920

Tgt Ion: 84 Resp: 330

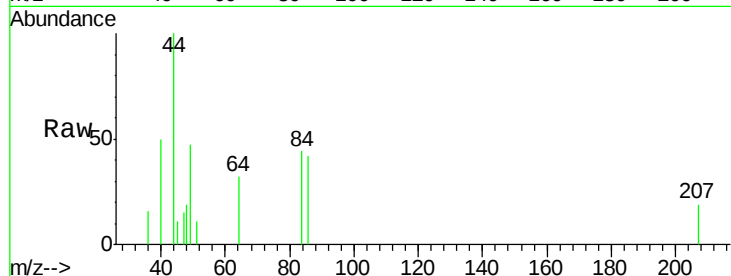
Ion Ratio Lower Upper

84 100

49 106.6 88.6 132.8

51 25.0 27.0 40.6#

86 96.5 50.3 75.5#

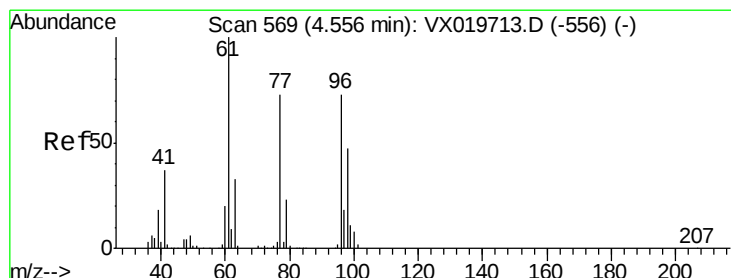
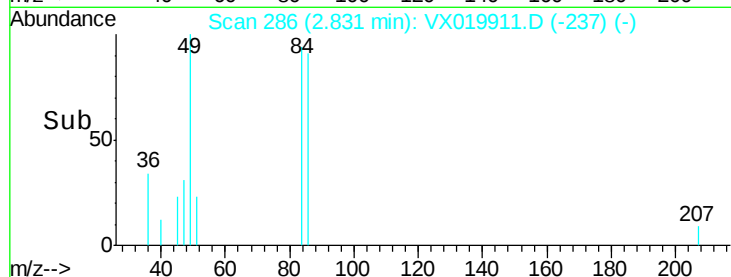
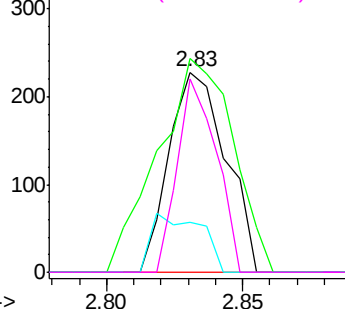


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#27

cis-1,2-Dichloroethene

Concen: 1.546 ug/l

RT: 4.56 min Scan# 570

Delta R.T. 0.01 min

Lab File: VX019911.D

Acq: 12 Dec 2020 06:33

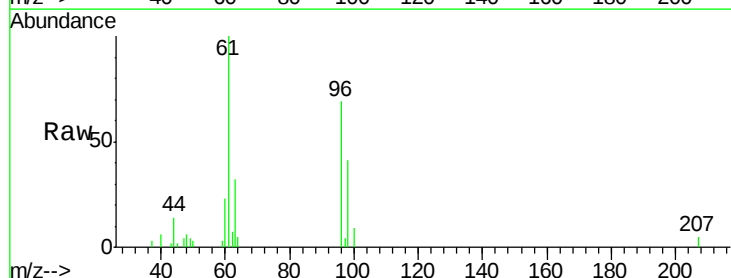
Tgt Ion: 96 Resp: 5938

Ion Ratio Lower Upper

96 100

61 137.0 0.0 285.6

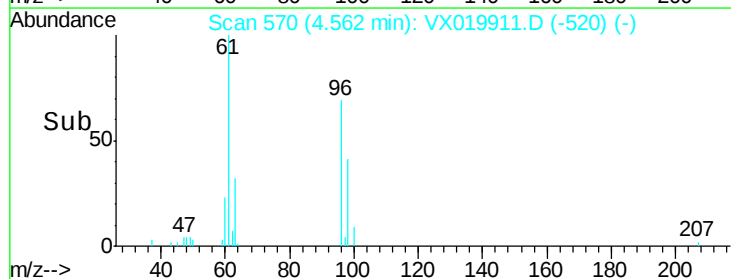
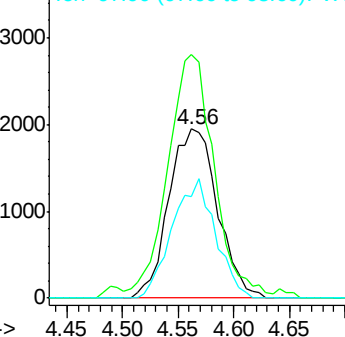
98 62.5 0.0 129.6

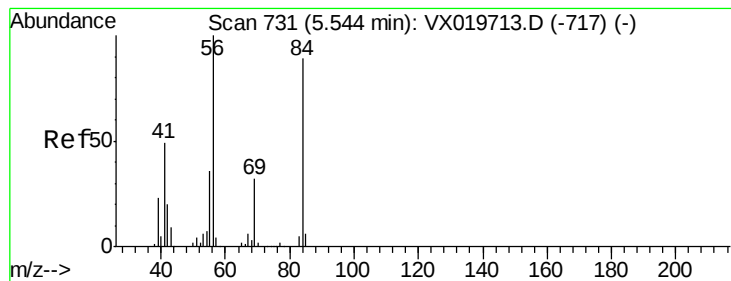


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#31

Cyclohexane

Concen: 1.205 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.08 min

Lab File: VX019911.D

Acq: 12 Dec 2020 06:33

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-6012-120920

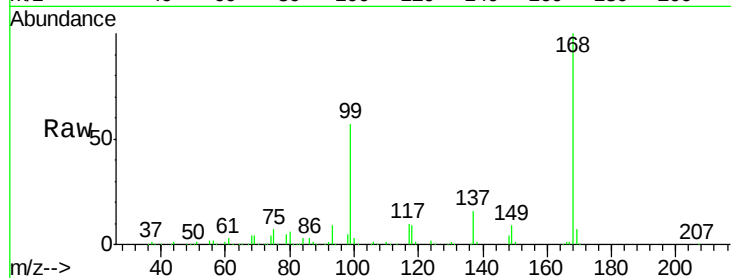
Tgt Ion: 56 Resp: 6055

Ion Ratio Lower Upper

56 100

69 185.6 25.3 37.9#

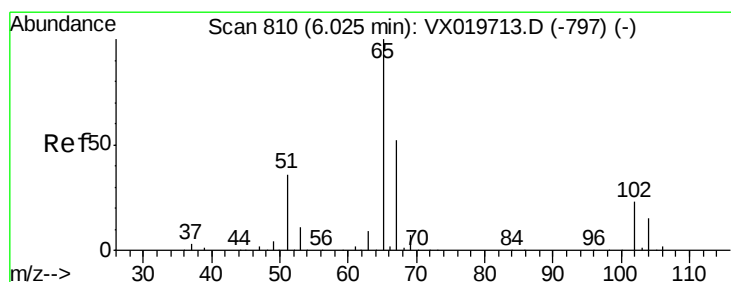
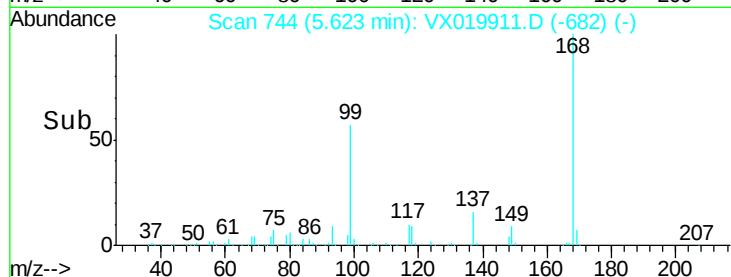
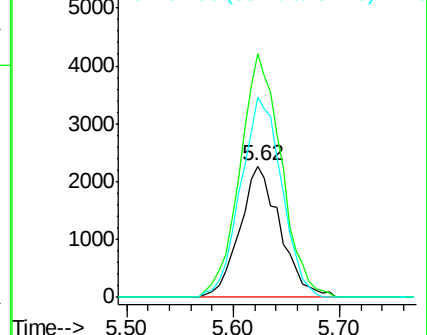
84 152.5 71.4 107.0#



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: 48.906 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.00 min

Lab File: VX019911.D

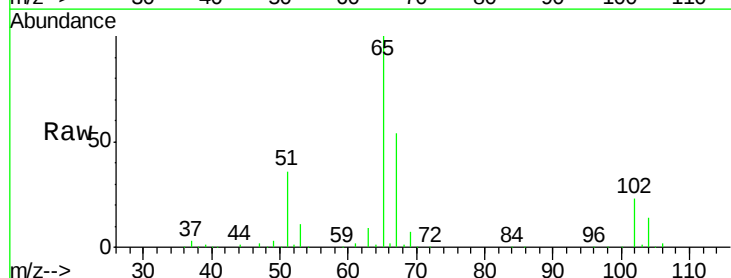
Acq: 12 Dec 2020 06:33

Tgt Ion: 65 Resp: 197490

Ion Ratio Lower Upper

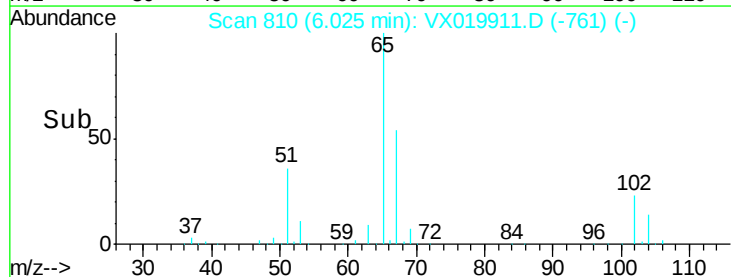
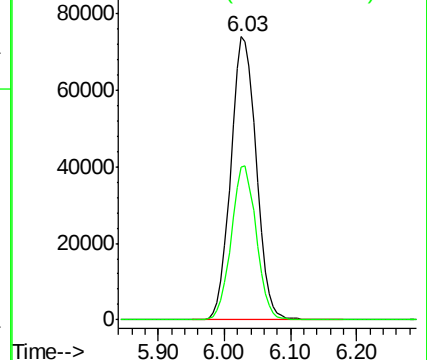
65 100

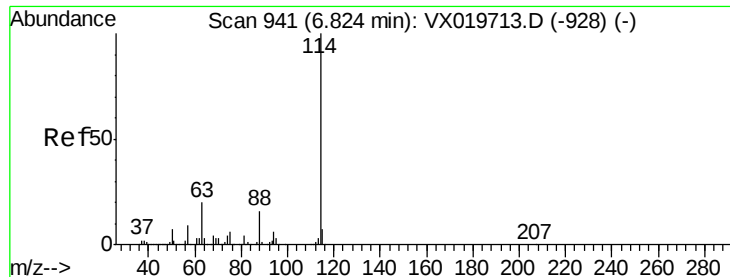
67 53.3 0.0 105.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

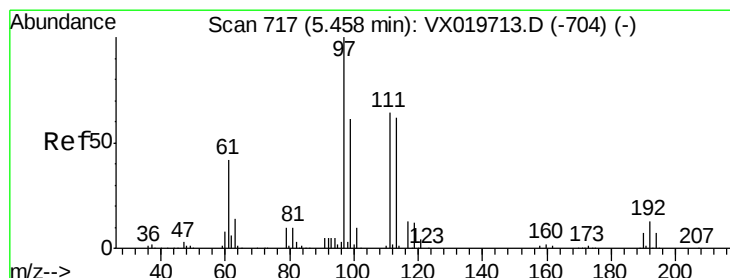
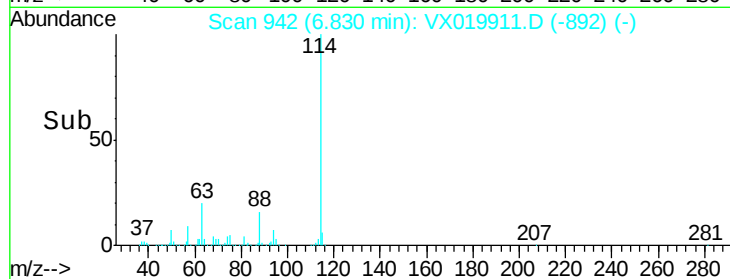
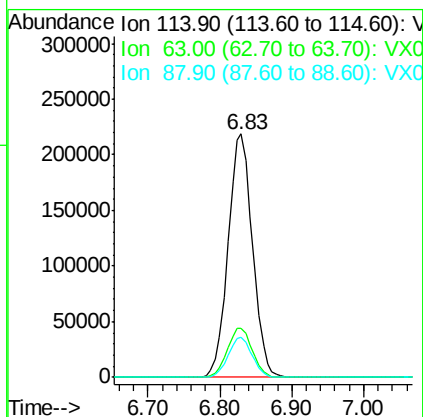
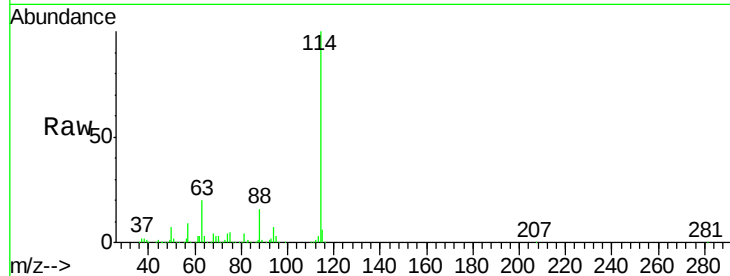




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VX019911.D
 Acq: 12 Dec 2020 06:33

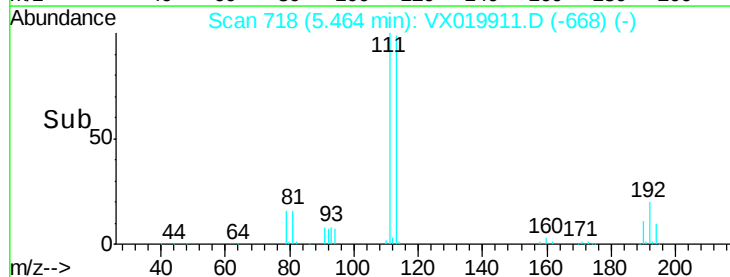
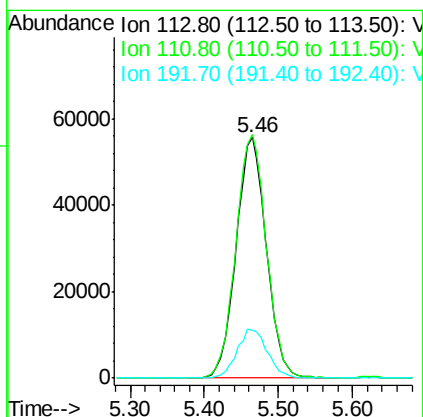
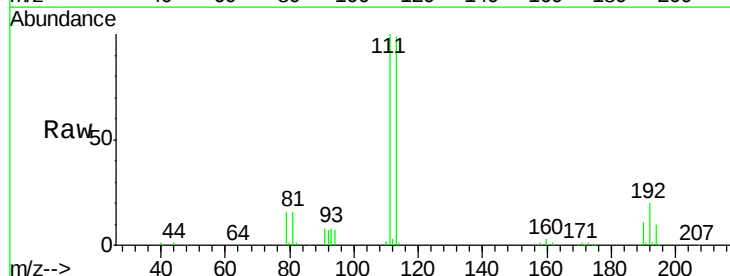
Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-6012-120920

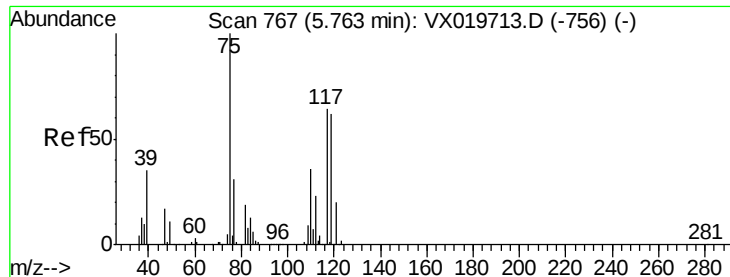
Tgt Ion:114 Resp: 513864
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.8
 88 16.3 0.0 32.8



#35
 Dibromofluoromethane
 Concen: 47.677 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VX019911.D
 Acq: 12 Dec 2020 06:33

Tgt Ion:113 Resp: 158337
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.9 122.9
 192 20.4 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.947 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.14 min

Lab File: VX019911.D

Acq: 12 Dec 2020 06:33

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-6012-120920

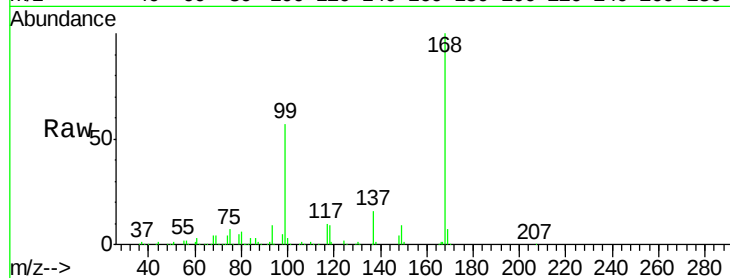
Tgt Ion: 75 Resp: 22971

Ion Ratio Lower Upper

75 100

110 9.1 18.1 54.4#

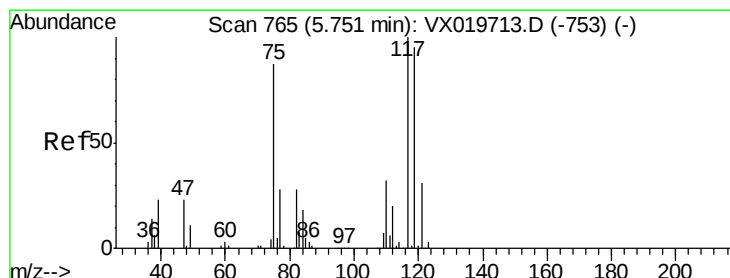
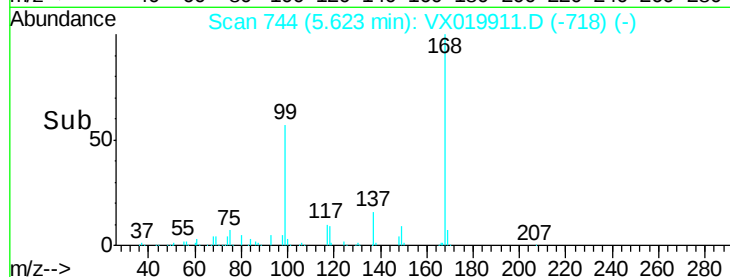
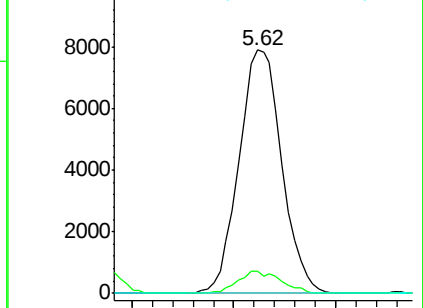
77 0.0 25.3 37.9#



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: 6.503 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019911.D

Acq: 12 Dec 2020 06:33

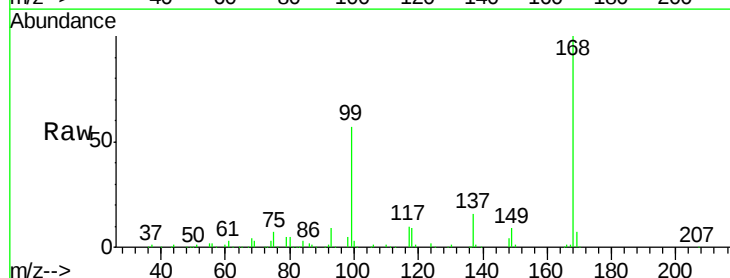
Tgt Ion: 117 Resp: 29570

Ion Ratio Lower Upper

117 100

119 6.1 76.2 114.2#

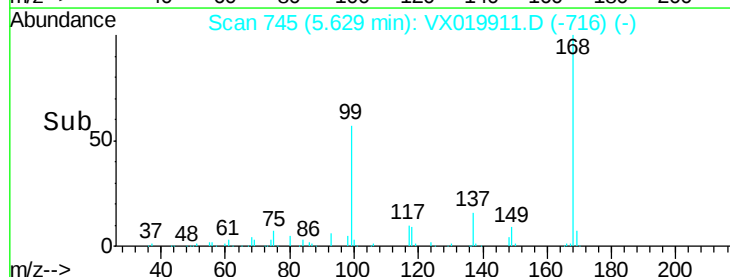
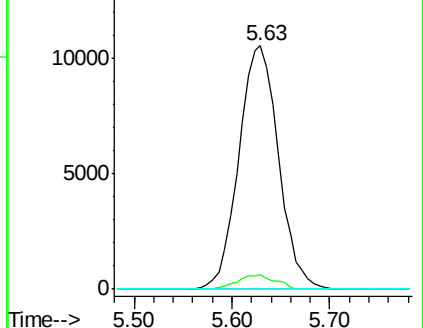
121 0.0 24.8 37.2#

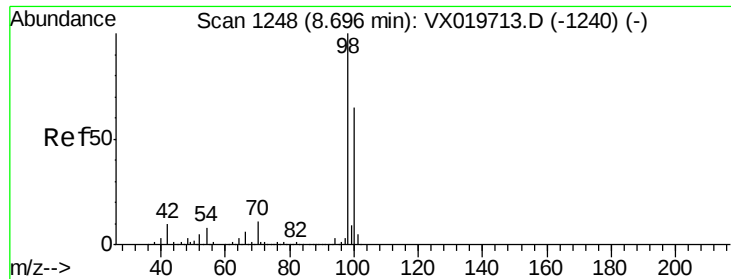


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

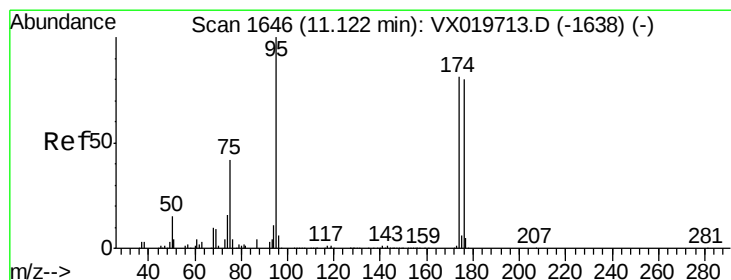
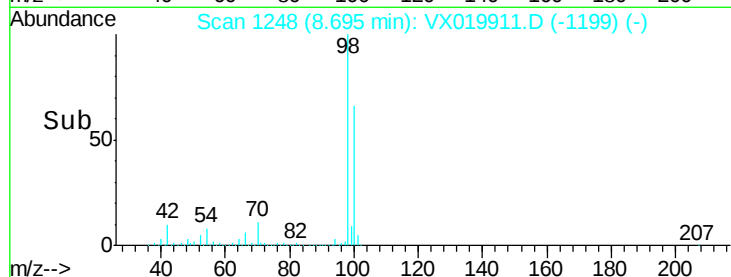
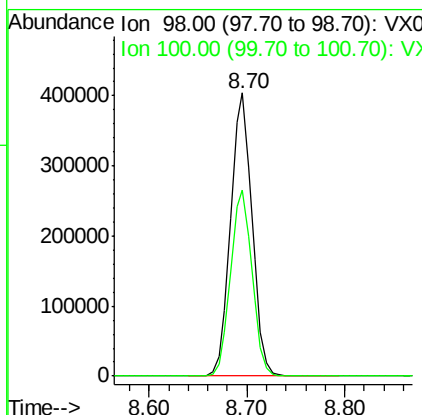
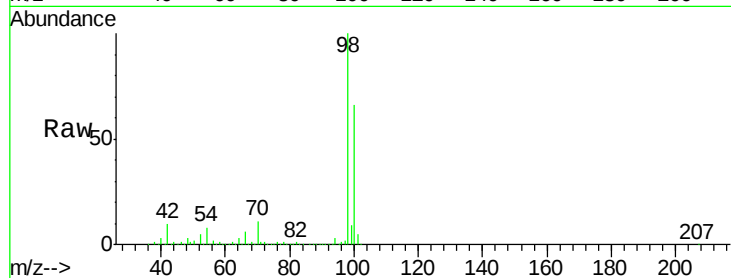




#50
Toluene-d8
Concen: 48.432 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019911.D
Acq: 12 Dec 2020 06:33

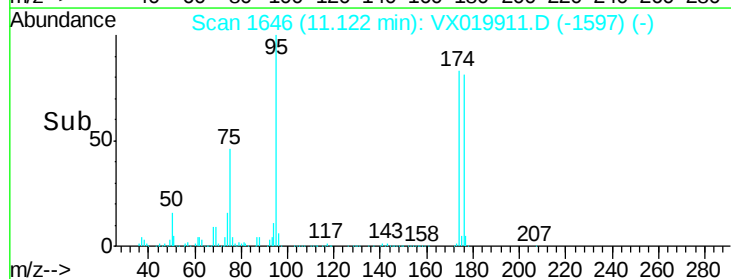
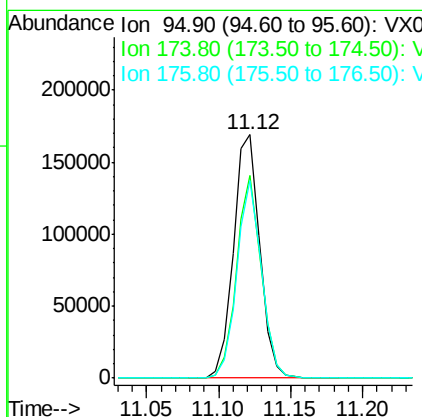
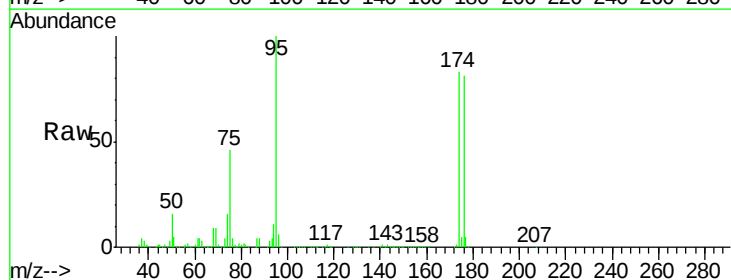
Instrument :
MSVOA_X
ClientSampleId :
TU032-32-6012-120920

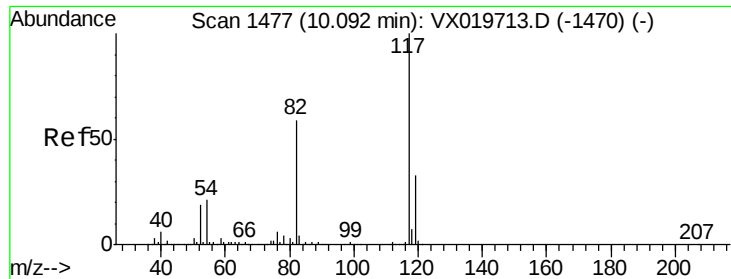
Tgt Ion: 98 Resp: 614057
Ion Ratio Lower Upper
98 100
100 66.2 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 44.783 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019911.D
Acq: 12 Dec 2020 06:33

Tgt Ion: 95 Resp: 216112
Ion Ratio Lower Upper
95 100
174 78.0 0.0 154.6
176 75.7 0.0 155.8

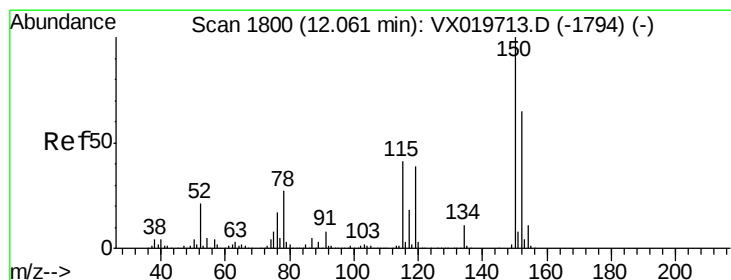
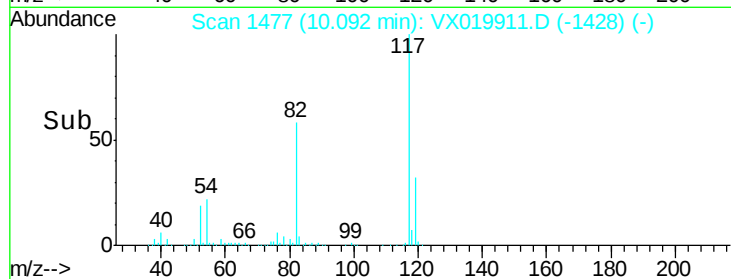
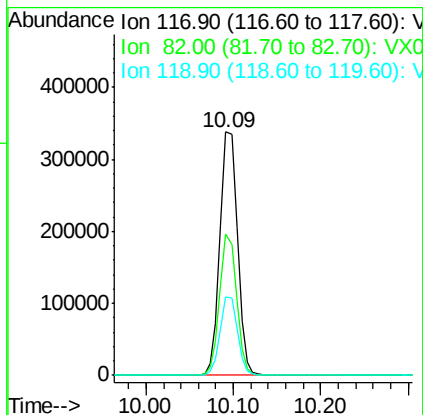
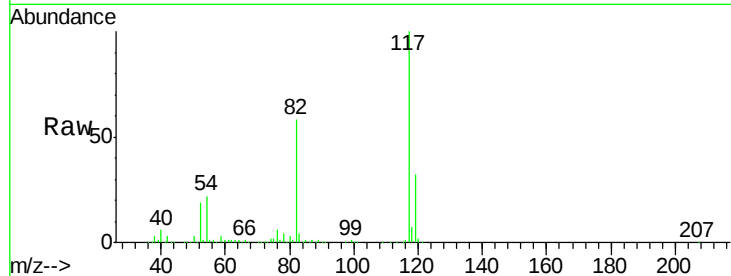




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.09 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX019911.D
Acq: 12 Dec 2020 06:33

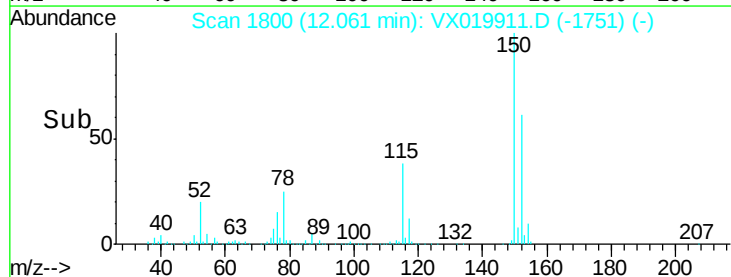
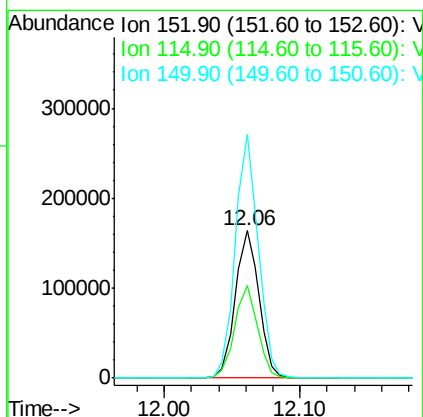
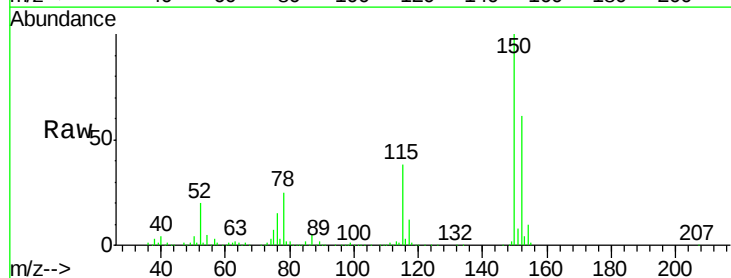
Instrument :
MSVOA_X
ClientSampleId :
TU032-32-6012-120920

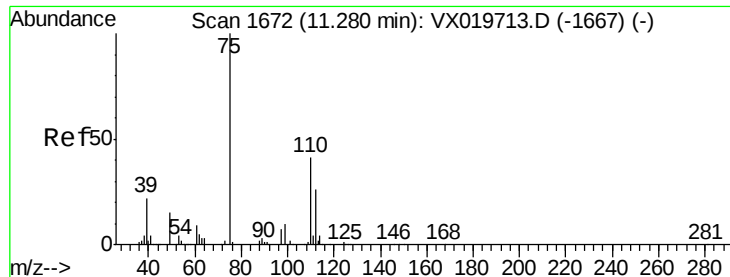
Tgt Ion:117 Resp: 469195
Ion Ratio Lower Upper
117 100
82 58.2 47.4 71.2
119 32.5 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019911.D
Acq: 12 Dec 2020 06:33

Tgt Ion:152 Resp: 198163
Ion Ratio Lower Upper
152 100
115 60.9 41.1 123.3
150 159.9 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 23.256 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.16 min

Lab File: VX019911.D

Acq: 12 Dec 2020 06:33

Instrument :

MSVOA_X

ClientSampleId :

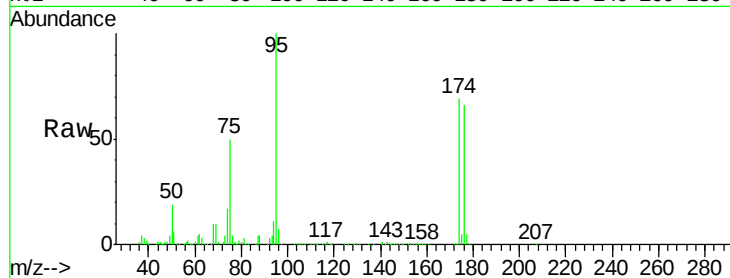
TU032-32-6012-120920

Tgt Ion: 75 Resp: 103362

Ion Ratio Lower Upper

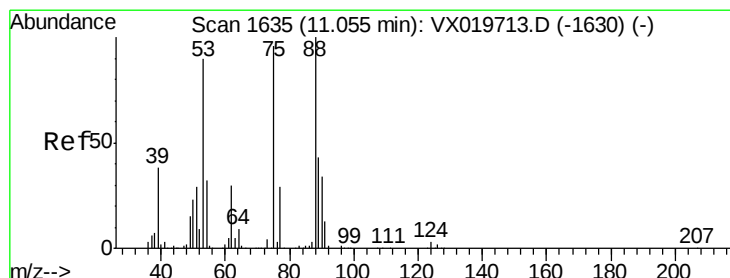
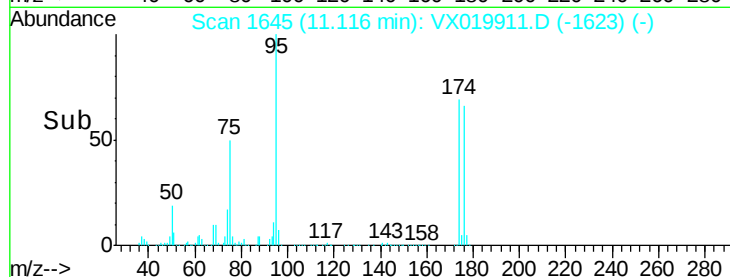
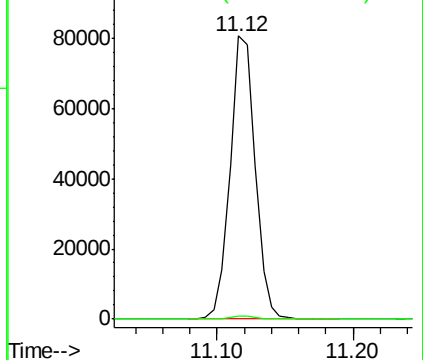
75 100

77 1.2 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: 67.230 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. 0.06 min

Lab File: VX019911.D

Acq: 12 Dec 2020 06:33

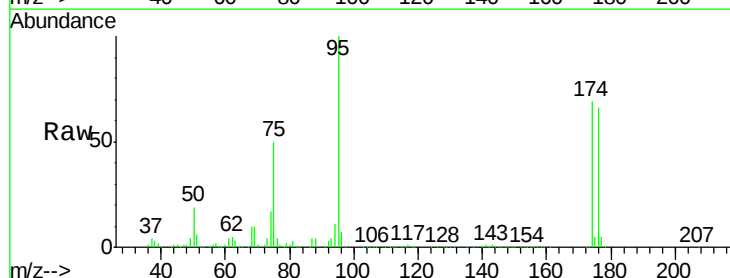
Tgt Ion: 75 Resp: 103362

Ion Ratio Lower Upper

75 100

53 0.1 74.5 111.7#

89 0.0 37.9 56.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

