

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121120\
 Data File : VX019913.D
 Acq On : 12 Dec 2020 07:20
 Operator : JC/MD
 Sample : L5025-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-6033-120920

Quant Time: Dec 12 07:44:04 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	5.62	168	308576	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	517632	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	476090	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	205127	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	198688	48.99	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.98%
35) Dibromofluoromethane	5.46	113	161586	48.30	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.60%
50) Toluene-d8	8.70	98	627526	49.13	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.26%
62) 4-Bromofluorobenzene	11.12	95	219681	45.19	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	90.38%

Target Compounds

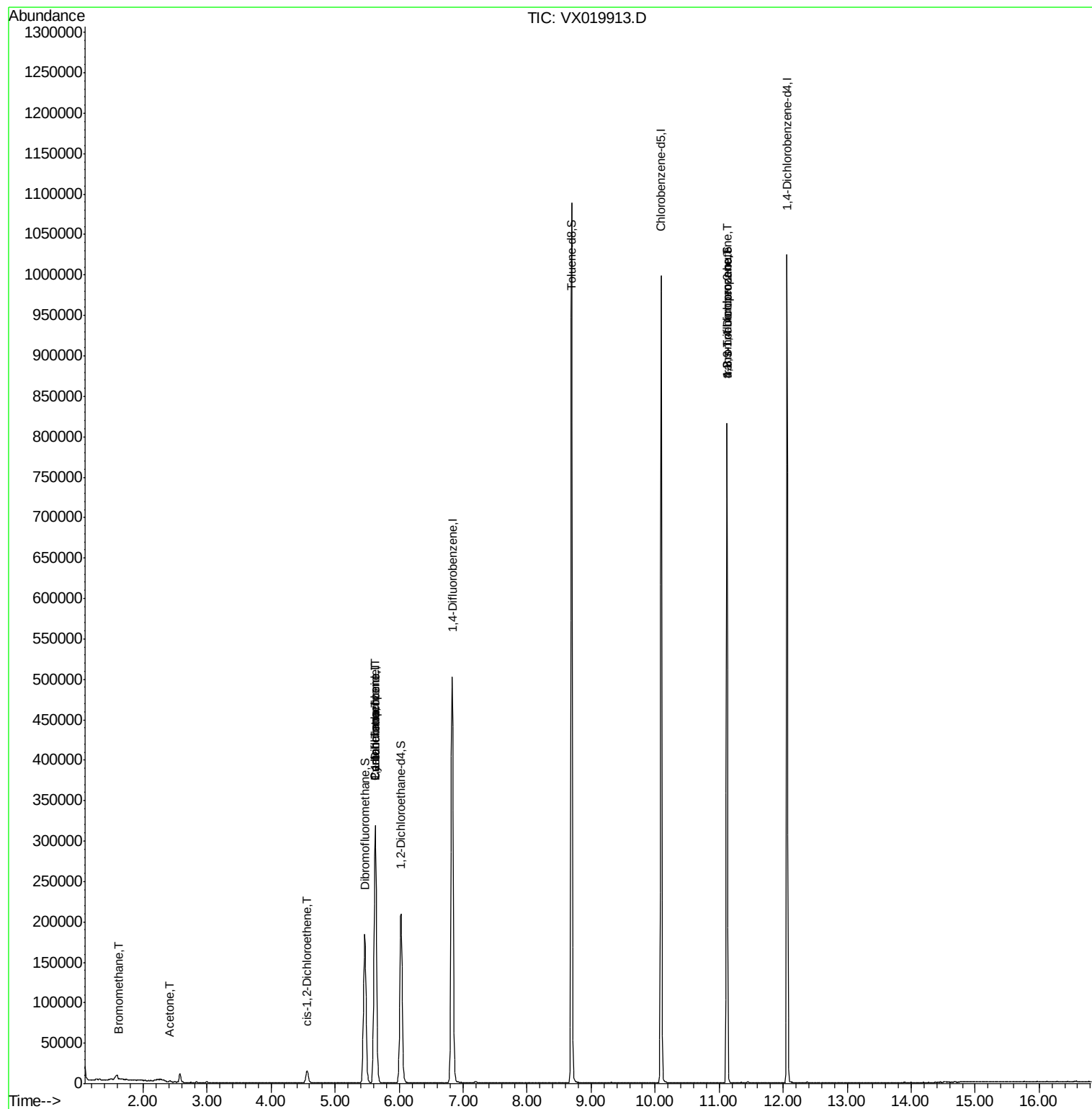
					Qvalue	
5) Bromomethane	1.63	94	672	0.578	ug/l	81
11) Tert butyl alcohol	3.00	59	643	Below Cal	#	73
16) Acetone	2.42	43	1334	0.875	ug/l	99
20) Methylene Chloride	2.82	84	338	Below Cal	#	72
27) cis-1,2-Dichloroethene	4.56	96	10146	2.630	ug/l	91
31) Cyclohexane	5.63	56	6174	1.224	ug/l	# 1
36) 1,1-Dichloropropene	5.63	75	23370	4.996	ug/l	# 49
38) Carbon Tetrachloride	5.63	117	30713	6.705	ug/l	# 17
76) 1,2,3-Trichloropropane	11.12	75	106464	23.141	ug/l	# 39
81) trans-1,4-Dichloro-2-buten	11.12	75	106464	66.897	ug/l	# 12

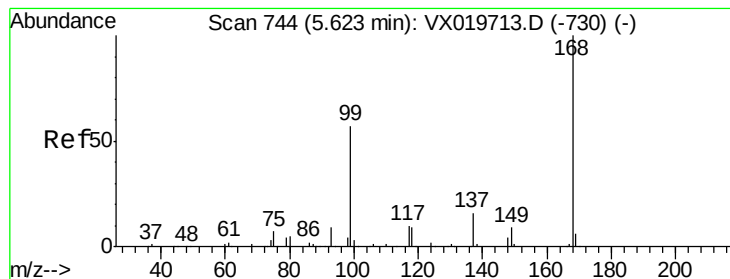
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121120\
Data File : VX019913.D
Acq On : 12 Dec 2020 07:20
Operator : JC/MD
Sample : L5025-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 53 Sample Multiplier: 1

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ClientSampleId :
TU032-32-6033-120920

Quant Time: Dec 12 07:44:04 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: 5.62 min Scan# 744

Delta R.T. -0.00 min

Lab File: VX019913.D

Acq: 12 Dec 2020 07:20

Instrument :

MSVOA_X

ClientSampleId :

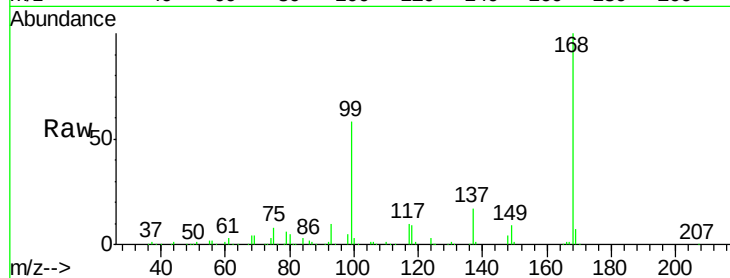
TU032-32-6033-120920

Tgt Ion: 168 Resp: 308576

Ion Ratio Lower Upper

168 100

99 58.4 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

120000

100000

80000

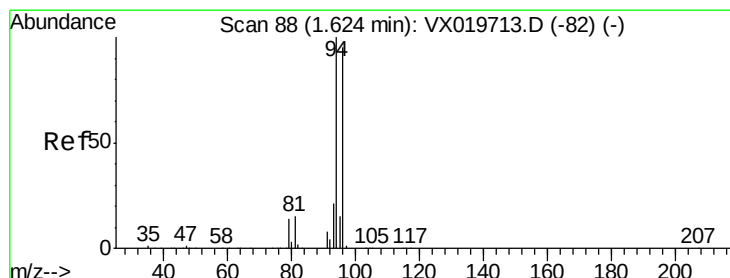
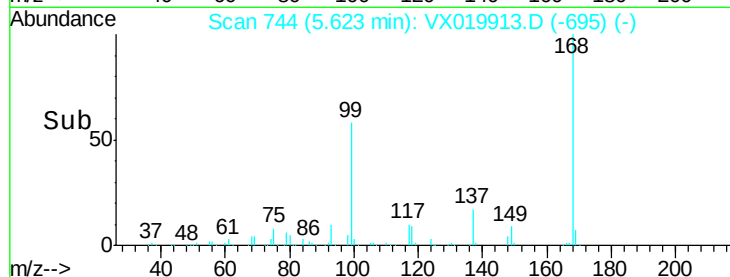
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.578 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX019913.D

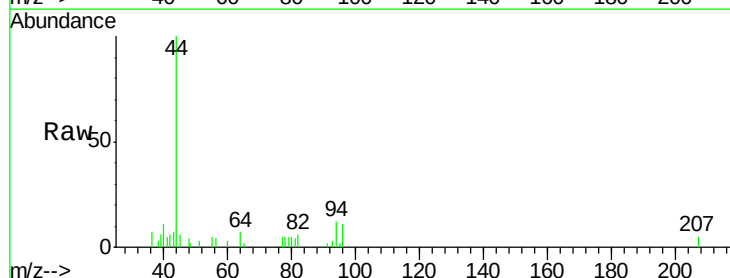
Acq: 12 Dec 2020 07:20

Tgt Ion: 94 Resp: 672

Ion Ratio Lower Upper

94 100

96 77.5 76.4 114.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

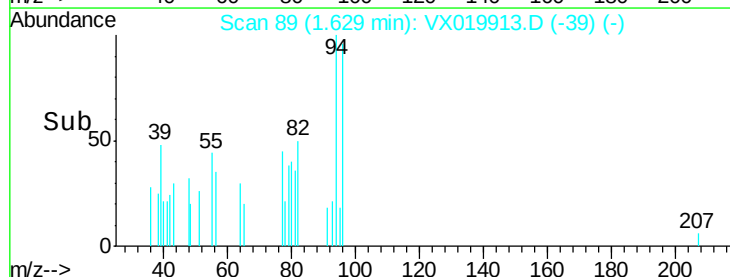
300

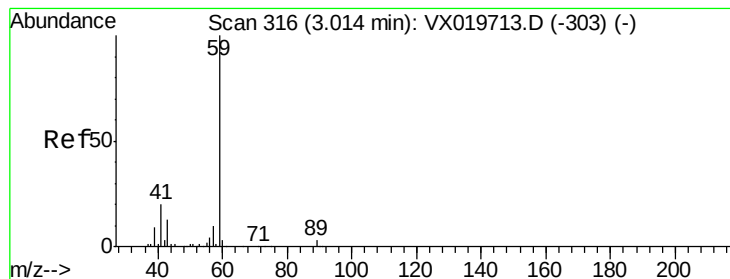
200

100

0

Time-->



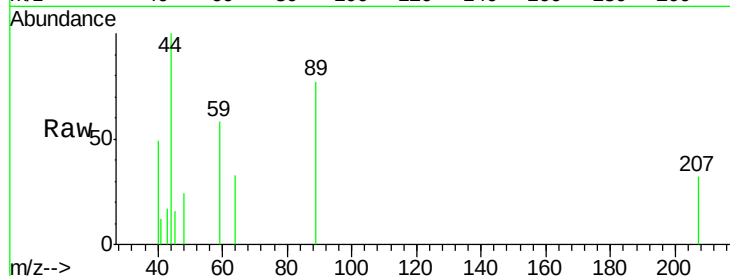


#11

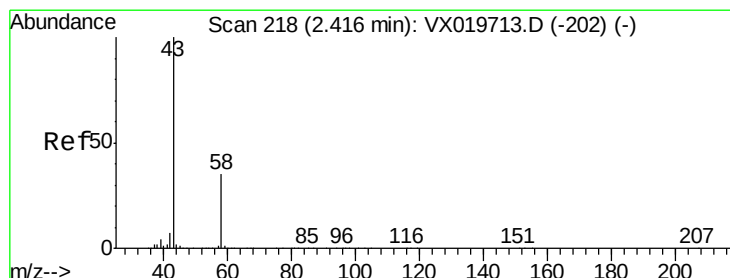
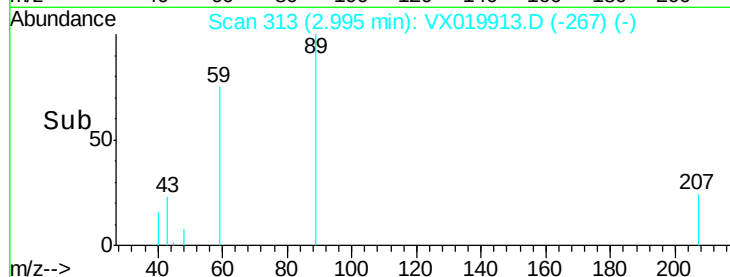
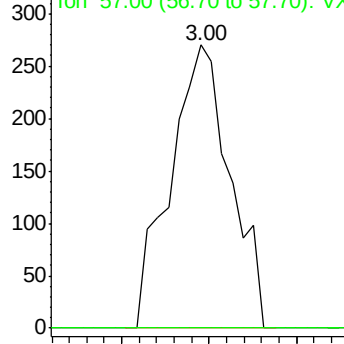
Tert butyl alcohol
 Concen: Below Cal
 RT: 3.00 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: VX019913.D
 Acq: 12 Dec 2020 07:20

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-6033-120920

Tgt Ion: 59 Resp: 643
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#



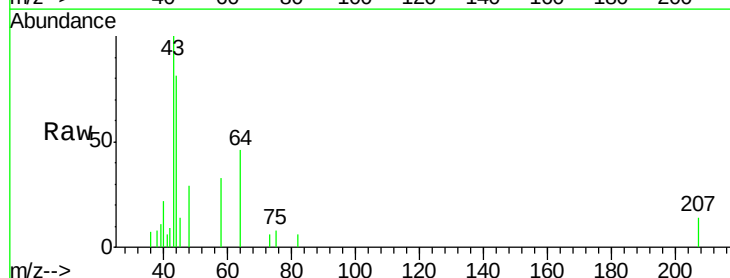
Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0



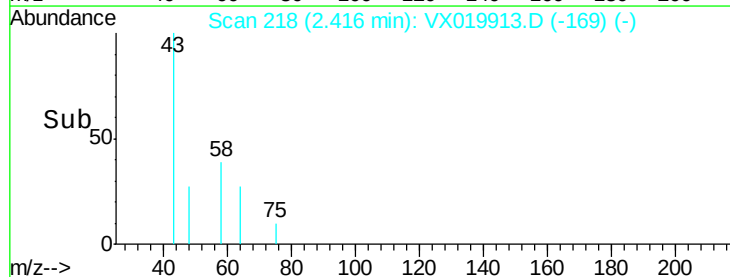
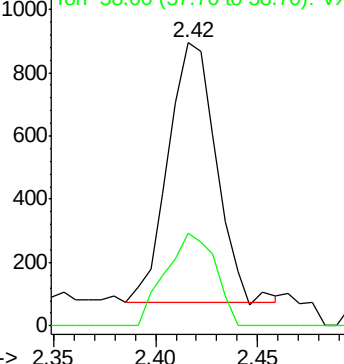
#16

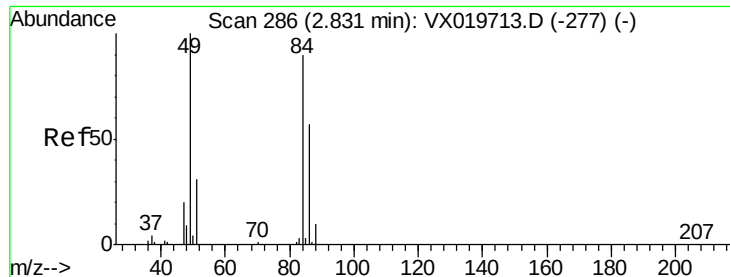
Acetone
 Concen: 0.875 ug/l
 RT: 2.42 min Scan# 218
 Delta R.T. -0.00 min
 Lab File: VX019913.D
 Acq: 12 Dec 2020 07:20

Tgt Ion: 43 Resp: 1334
 Ion Ratio Lower Upper
 43 100
 58 35.6 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

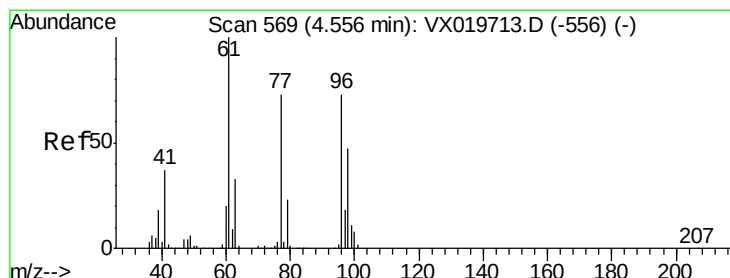
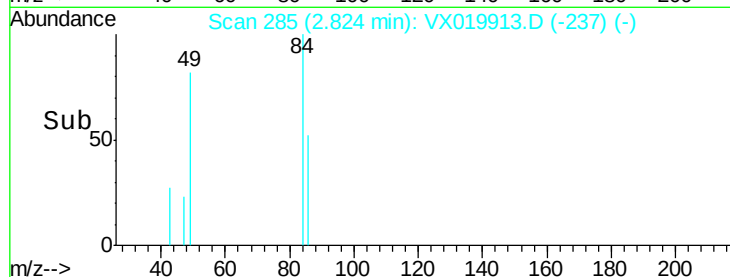
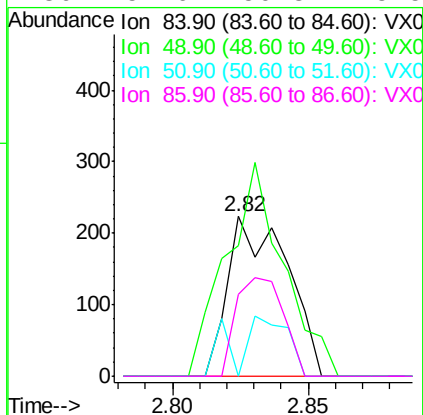
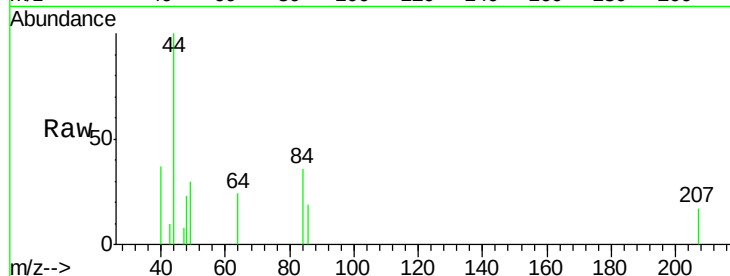




#20
Methylene Chloride
Concen: Below Cal
RT: 2.82 min Scan# 285
Delta R.T. -0.01 min
Lab File: VX019913.D
Acq: 12 Dec 2020 07:20

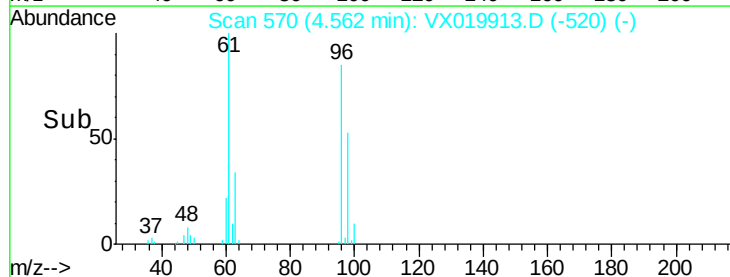
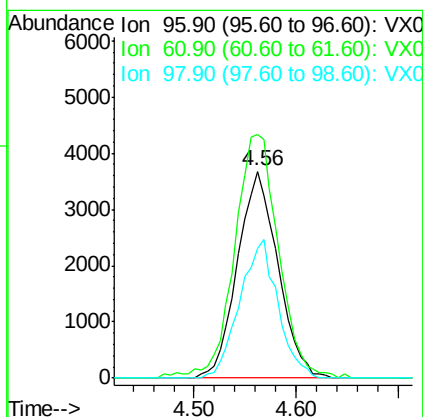
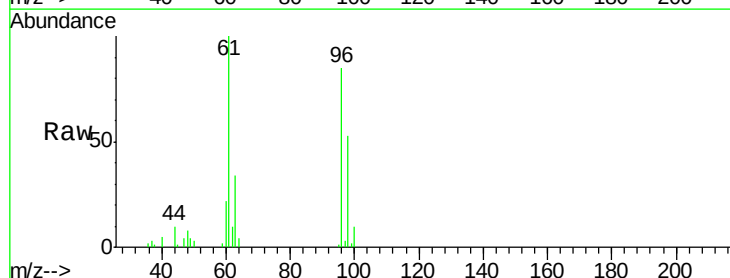
Instrument :
MSVOA_X
ClientSampleId :
TU032-32-6033-120920

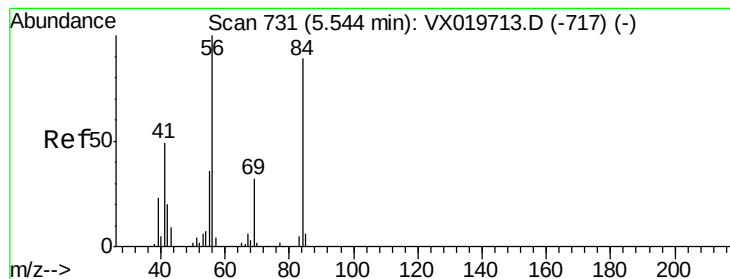
Tgt Ion: 84 Resp: 338
Ion Ratio Lower Upper
84 100
49 82.1 88.6 132.8#
51 0.0 27.0 40.6#
86 51.6 50.3 75.5



#27
cis-1,2-Dichloroethene
Concen: 2.630 ug/l
RT: 4.56 min Scan# 570
Delta R.T. 0.01 min
Lab File: VX019913.D
Acq: 12 Dec 2020 07:20

Tgt Ion: 96 Resp: 10146
Ion Ratio Lower Upper
96 100
61 128.4 0.0 285.6
98 63.2 0.0 129.6





#31

Cyclohexane

Concen: 1.224 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX019913.D

Acq: 12 Dec 2020 07:20

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-6033-120920

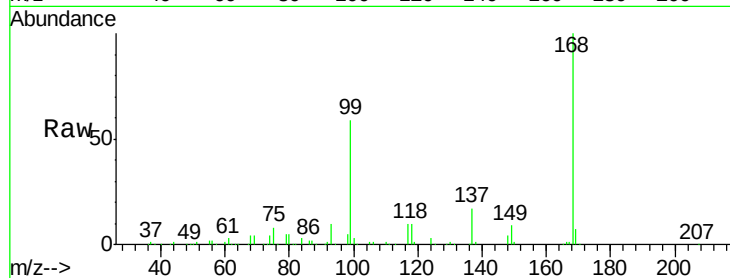
Tgt Ion: 56 Resp: 6174

Ion Ratio Lower Upper

56 100

69 180.4 25.3 37.9#

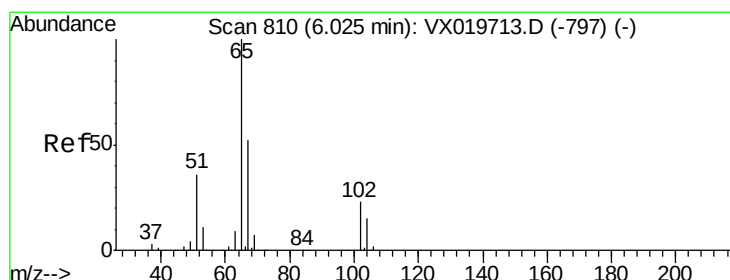
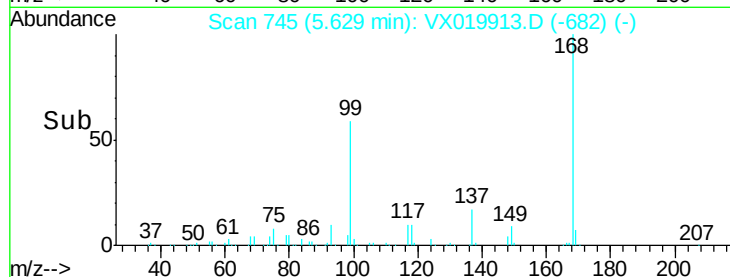
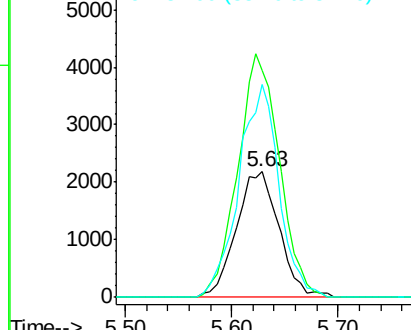
84 168.8 71.4 107.0#



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: 48.991 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.01 min

Lab File: VX019913.D

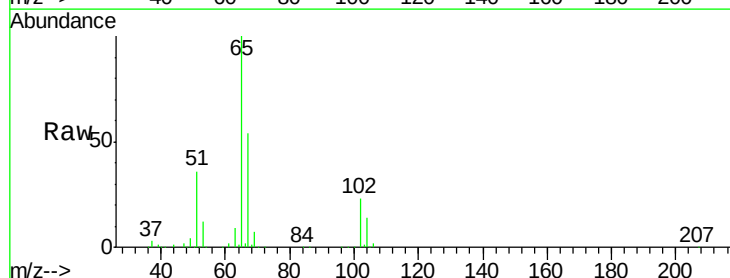
Acq: 12 Dec 2020 07:20

Tgt Ion: 65 Resp: 198688

Ion Ratio Lower Upper

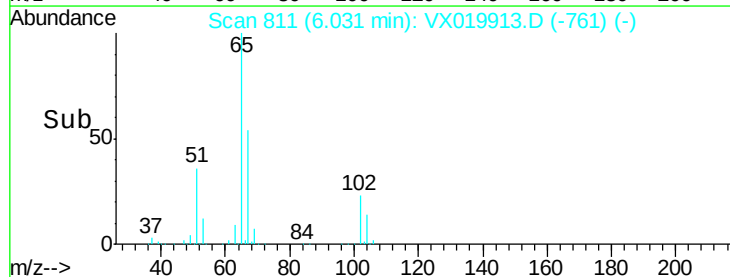
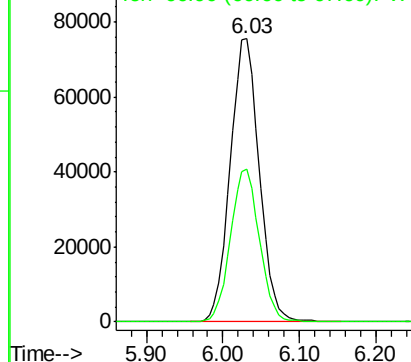
65 100

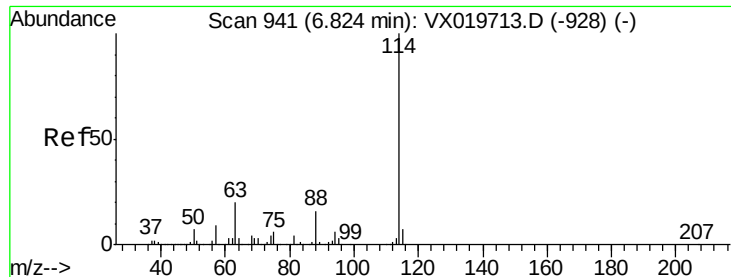
67 53.7 0.0 105.4



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: VX019913.D

Acq: 12 Dec 2020 07:20

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-6033-120920

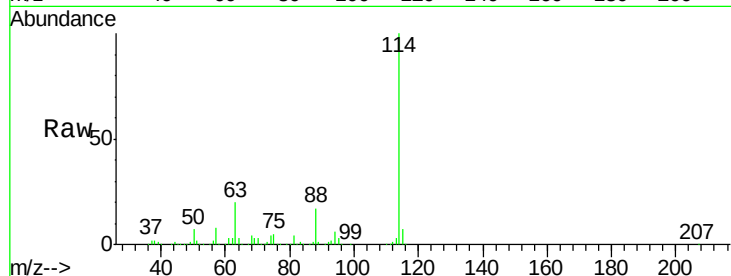
Tgt Ion:114 Resp: 517632

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.8

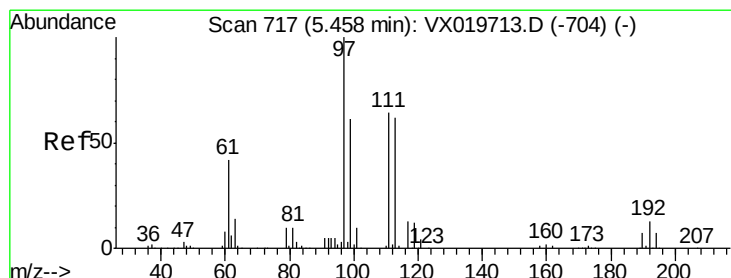
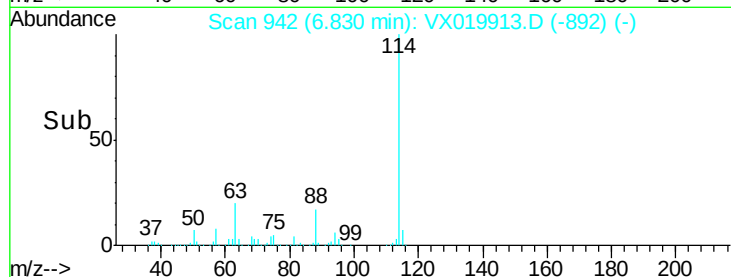
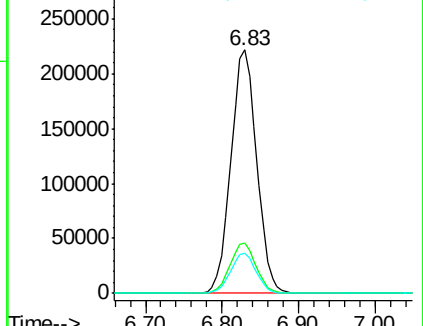
88 16.6 0.0 32.8



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: 48.301 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019913.D

Acq: 12 Dec 2020 07:20

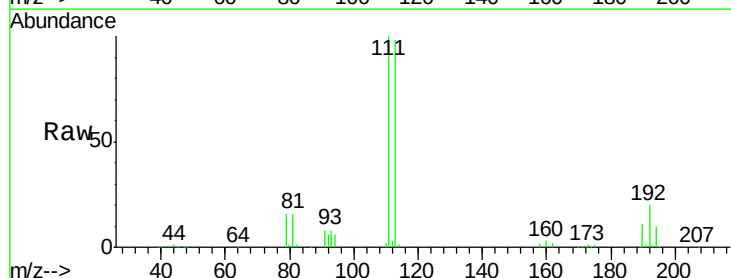
Tgt Ion:113 Resp: 161586

Ion Ratio Lower Upper

113 100

111 102.3 81.9 122.9

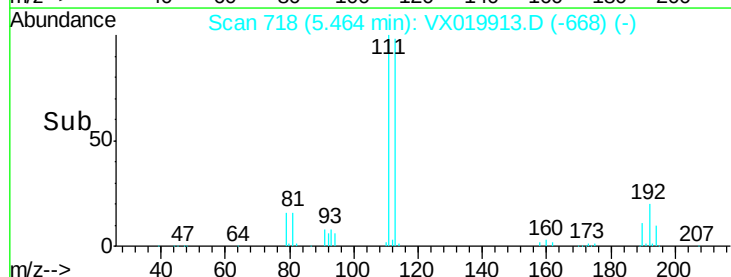
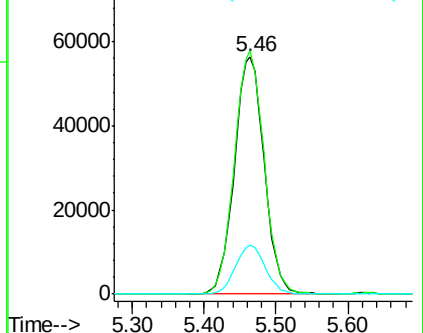
192 20.7 16.7 25.1

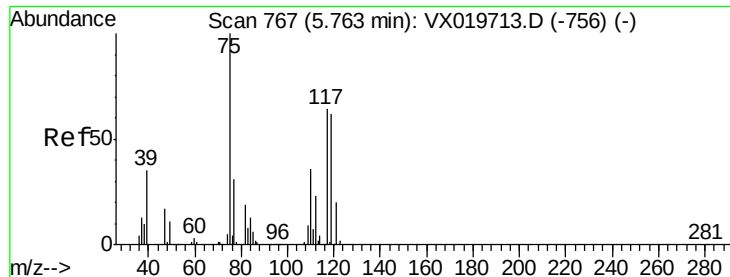


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

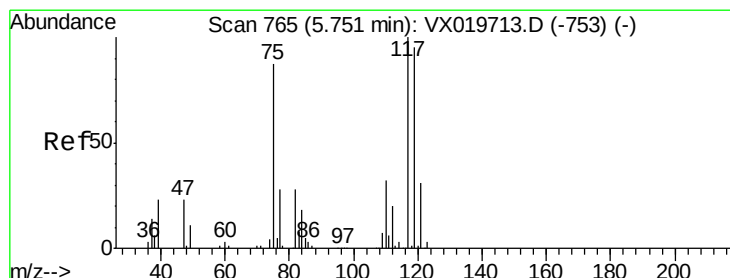
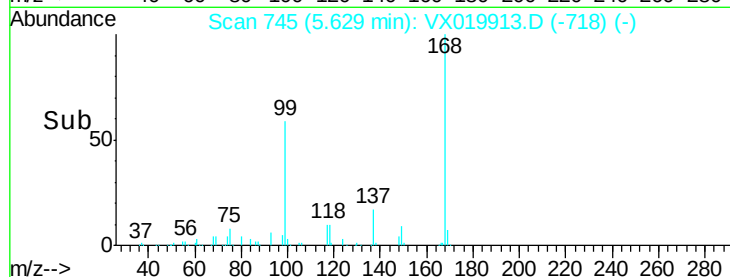
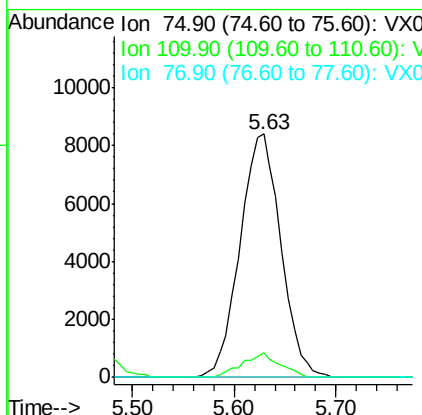
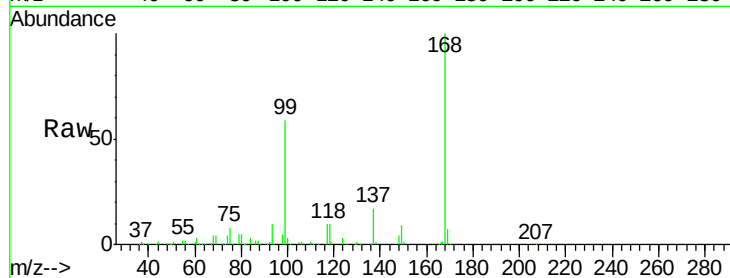




#36
 1,1-Dichloropropene
 Concen: 4.996 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX019913.D
 Acq: 12 Dec 2020 07:20

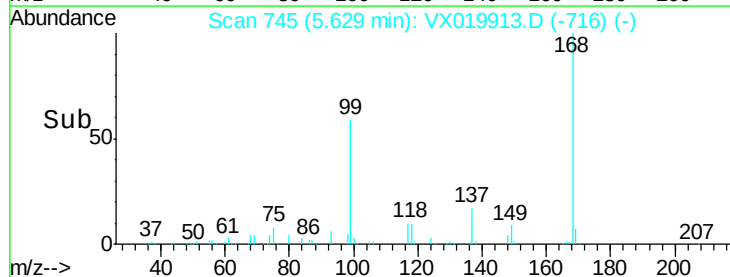
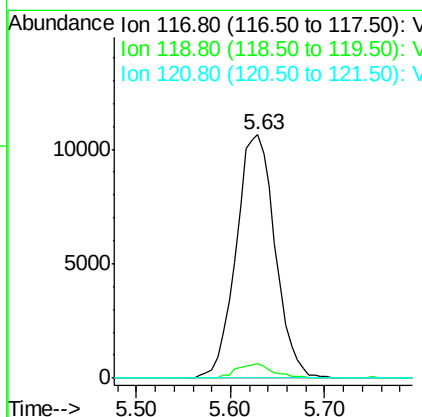
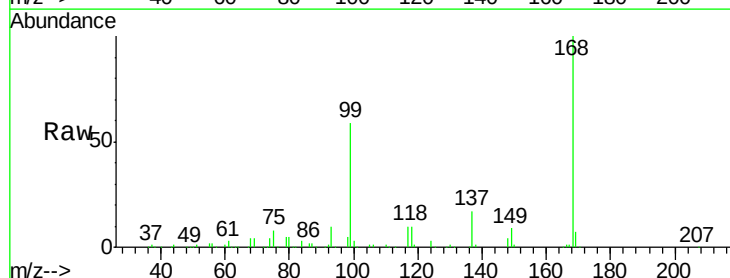
Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-6033-120920

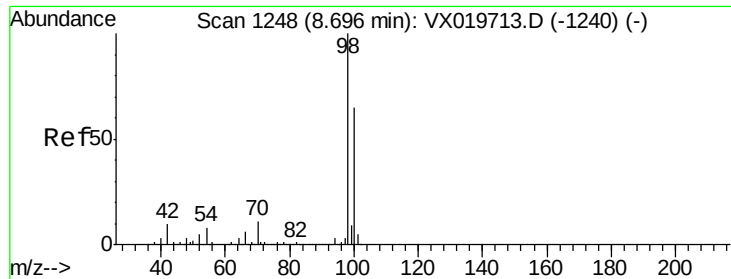
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.1	54.4#
77	0.0	25.3	37.9#



#38
 Carbon Tetrachloride
 Concen: 6.705 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX019913.D
 Acq: 12 Dec 2020 07:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	76.2	114.2#
121	0.0	24.8	37.2#





#50

Toluene-d8

Concen: 49.134 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019913.D

Acq: 12 Dec 2020 07:20

Instrument :

MSVOA_X

ClientSampleId :

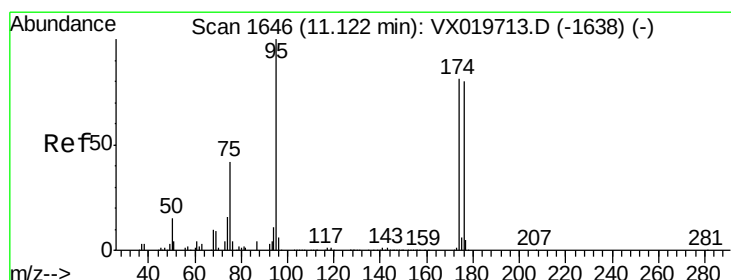
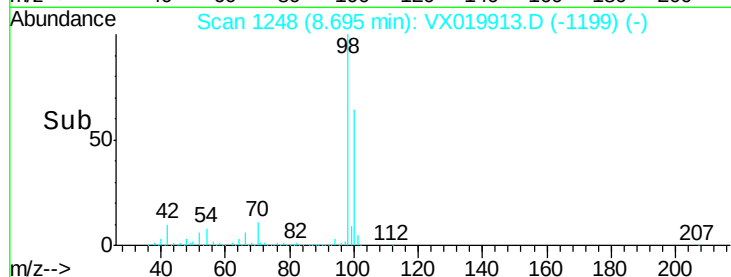
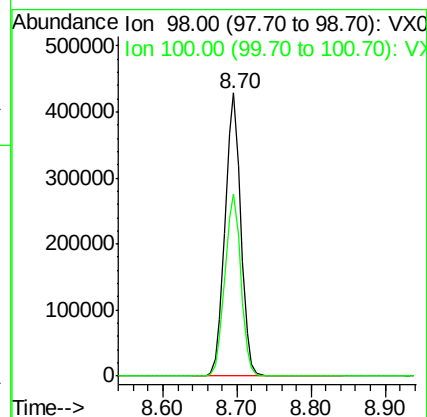
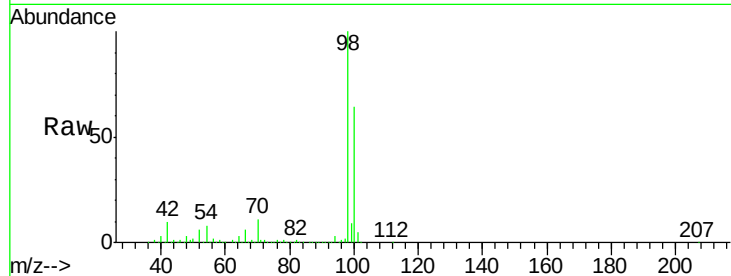
TU032-32-6033-120920

Tgt Ion: 98 Resp: 627526

Ion Ratio Lower Upper

98 100

100 65.4 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 45.192 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019913.D

Acq: 12 Dec 2020 07:20

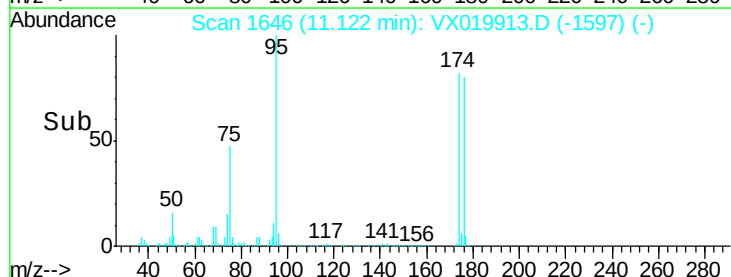
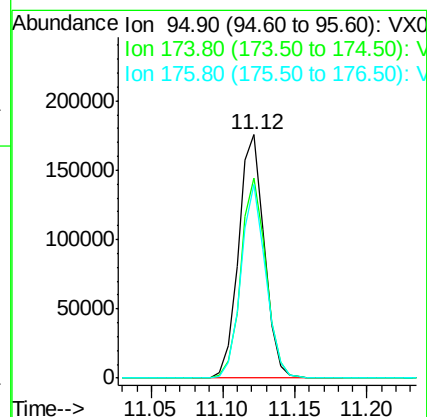
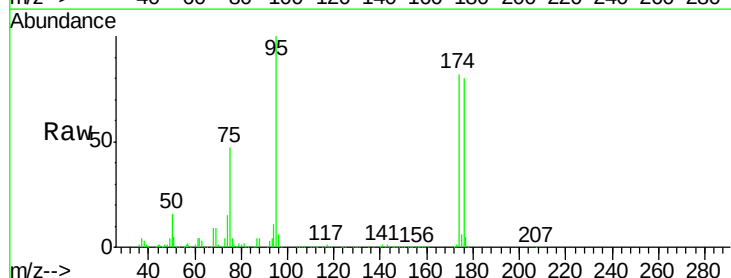
Tgt Ion: 95 Resp: 219681

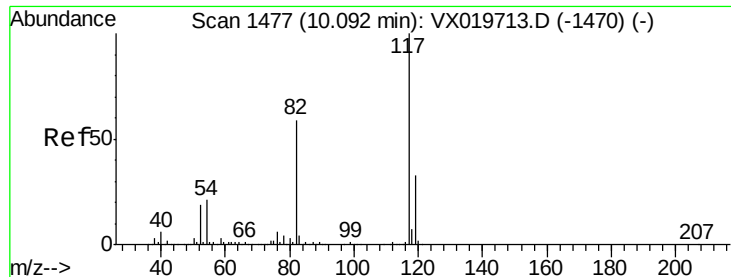
Ion Ratio Lower Upper

95 100

174 79.9 0.0 154.6

176 76.1 0.0 155.8

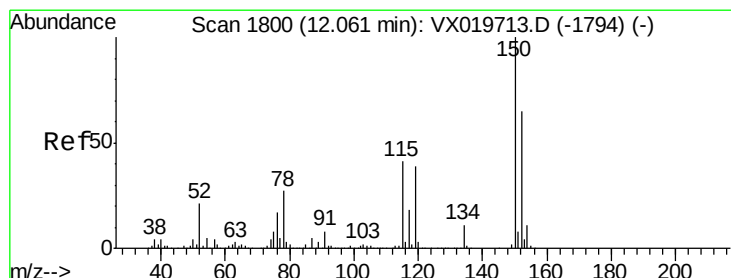
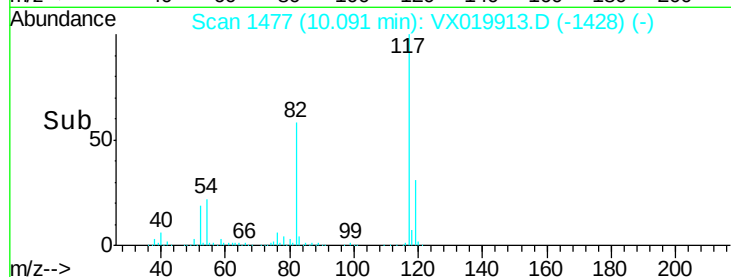
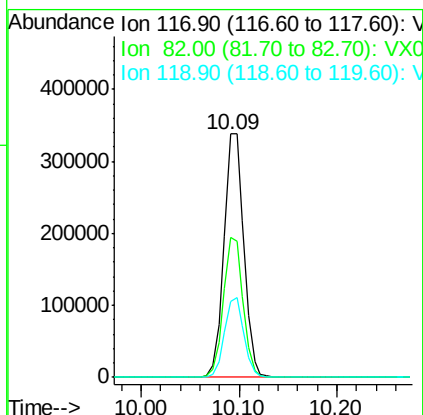
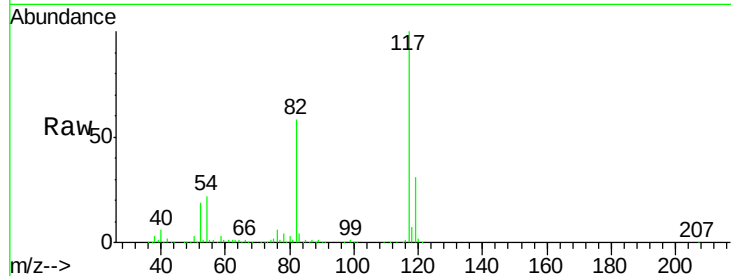




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.09 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX019913.D
Acq: 12 Dec 2020 07:20

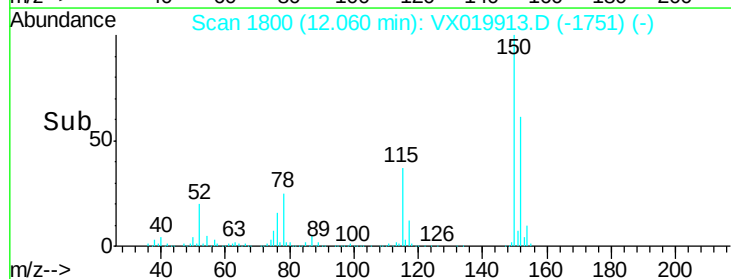
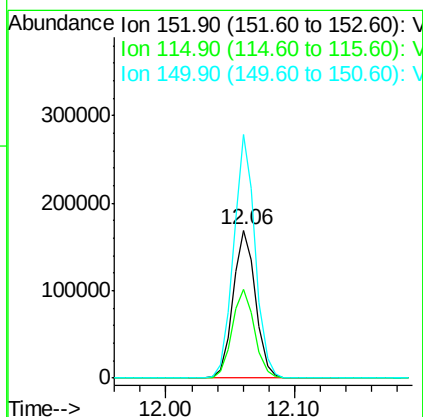
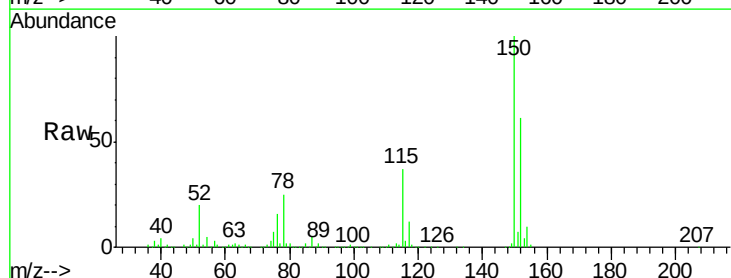
Instrument :
MSVOA_X
ClientSampleId :
TU032-32-6033-120920

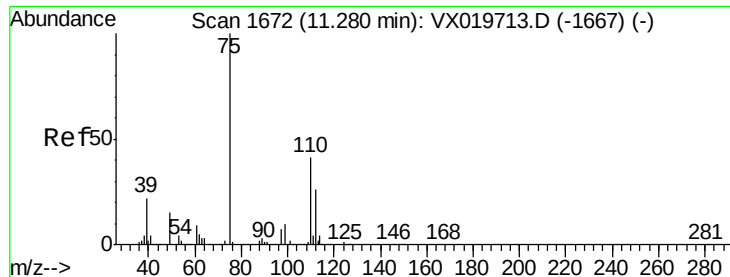
Tgt Ion:117 Resp: 476090
Ion Ratio Lower Upper
117 100
82 57.6 47.4 71.2
119 31.3 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019913.D
Acq: 12 Dec 2020 07:20

Tgt Ion:152 Resp: 205127
Ion Ratio Lower Upper
152 100
115 60.1 41.1 123.3
150 158.4 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 23.141 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019913.D

Acq: 12 Dec 2020 07:20

Instrument :

MSVOA_X

ClientSampleId :

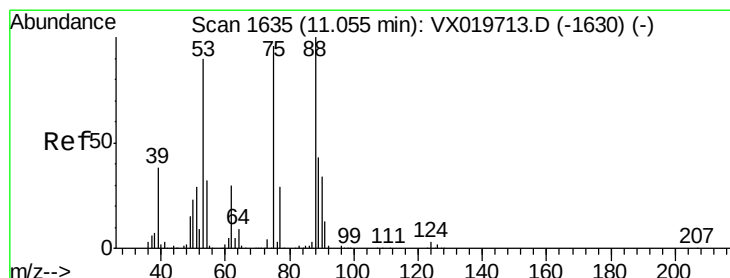
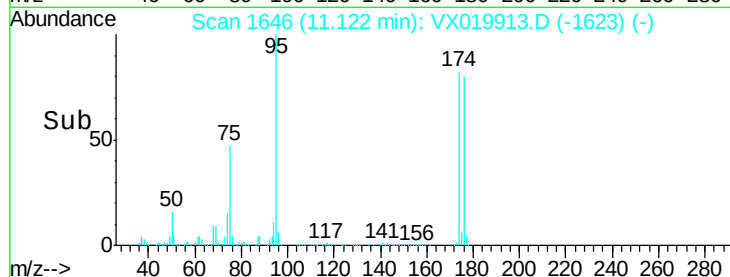
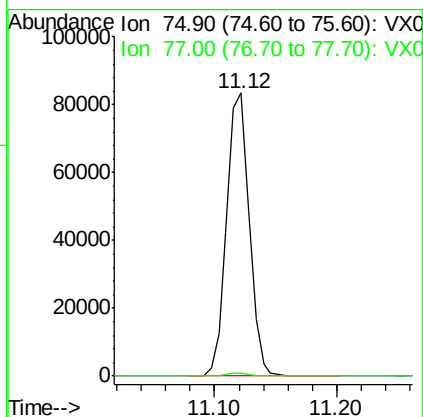
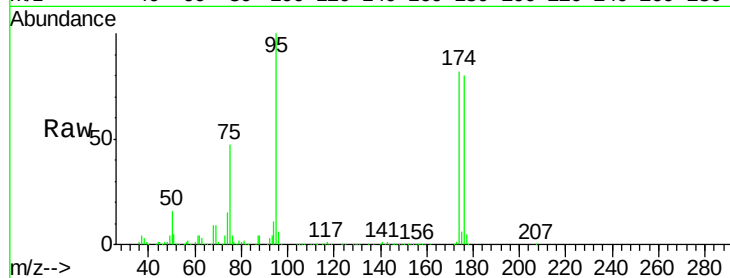
TU032-32-6033-120920

Tgt Ion: 75 Resp: 106464

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.897 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019913.D

Acq: 12 Dec 2020 07:20

Tgt Ion: 75 Resp: 106464

Ion Ratio Lower Upper

75 100

53 0.1 74.5 111.7#

89 0.0 37.9 56.9#

