

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121120\
 Data File : VX019916.D
 Acq On : 12 Dec 2020 08:29
 Operator : JC/MD
 Sample : L5025-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-631-120920

Quant Time: Dec 14 02:49:19 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	304296	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	516880	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	471127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	204852	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	199490	49.88	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.76%
35) Dibromofluoromethane	5.46	113	160732	48.12	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.24%
50) Toluene-d8	8.70	98	626168	49.10	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.20%
62) 4-Bromofluorobenzene	11.12	95	216836	44.67	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	89.34%

Target Compounds

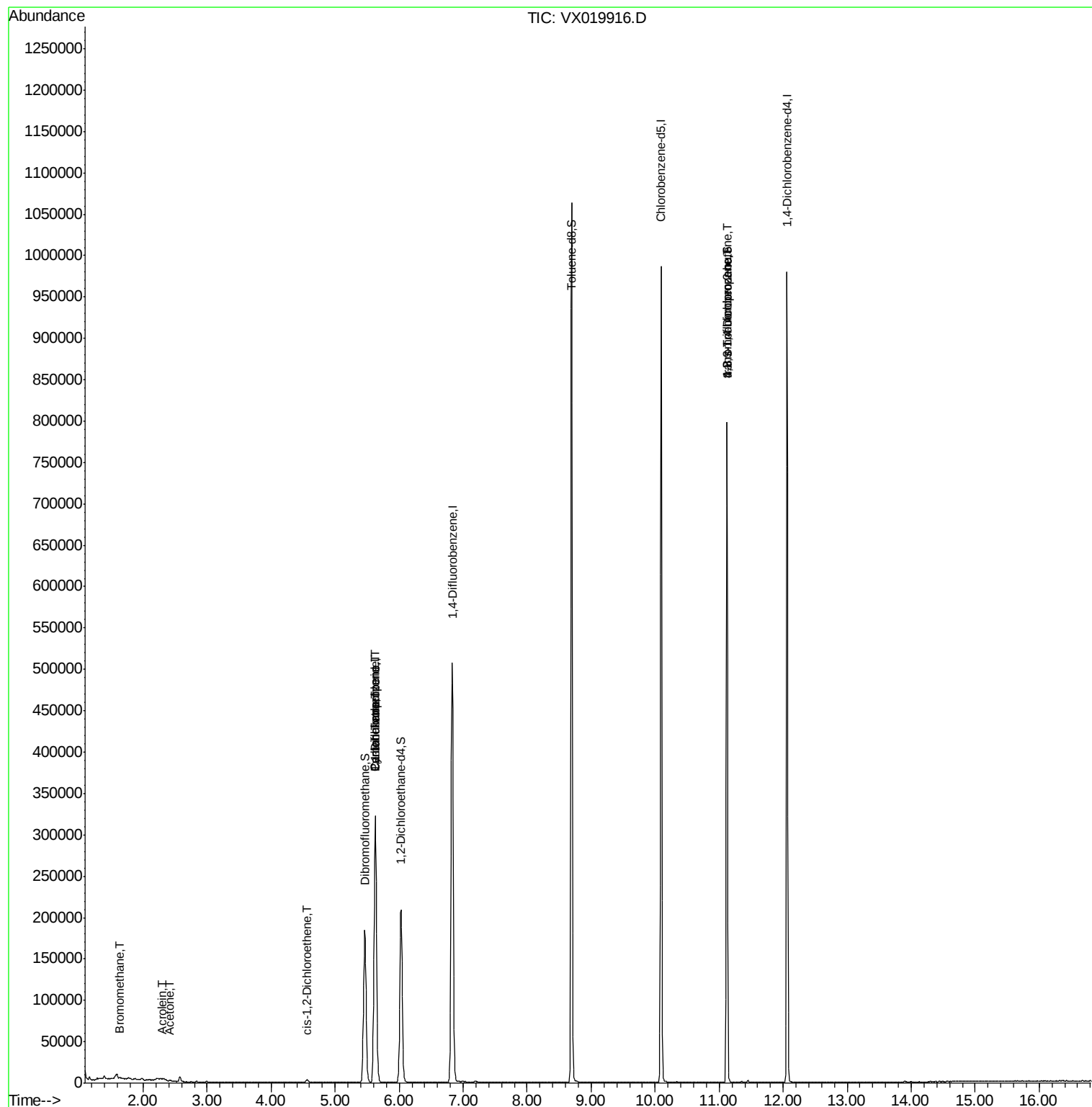
					Qvalue	
5) Bromomethane	1.63	94	720	0.628	ug/l #	68
11) Tert butyl alcohol	2.99	59	641	Below Cal	#	73
13) Acrolein	2.29	56	172	0.390	ug/l #	48
16) Acetone	2.42	43	1907	1.269	ug/l	94
20) Methylene Chloride	2.84	84	367	Below Cal		93
27) cis-1,2-Dichloroethene	4.56	96	1950	0.513	ug/l	98
31) Cyclohexane	5.62	56	5856	1.177	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	23332	4.995	ug/l #	49
38) Carbon Tetrachloride	5.63	117	30001	6.559	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	104929	22.838	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	104929	66.021	ug/l #	12

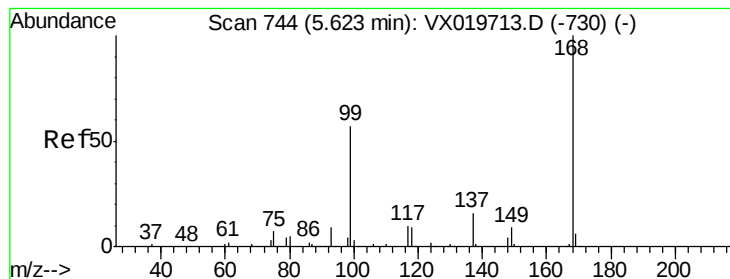
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121120\
Data File : VX019916.D
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TU032-32-631-120920

Quant Time: Dec 14 02:49:19 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: VX019916.D

Acq: 12 Dec 2020 08:29

Instrument :

MSVOA_X

ClientSampleId :

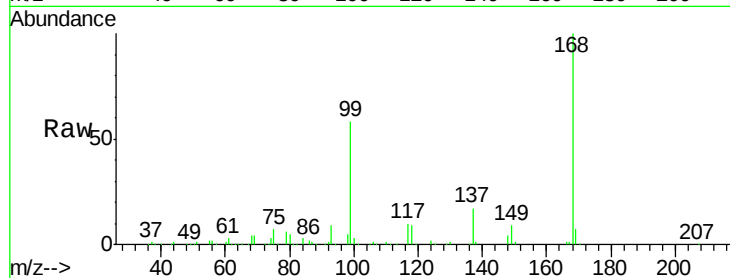
TU032-32-631-120920

Tgt Ion:168 Resp: 304296

Ion Ratio Lower Upper

168 100

99 57.9 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

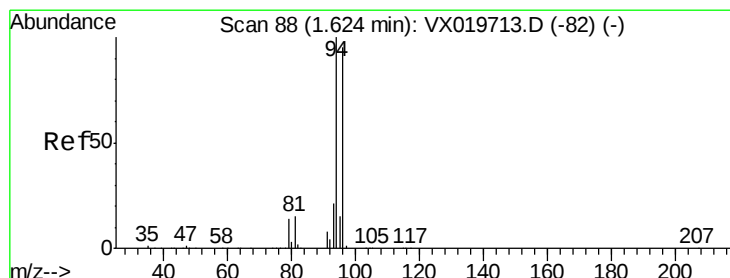
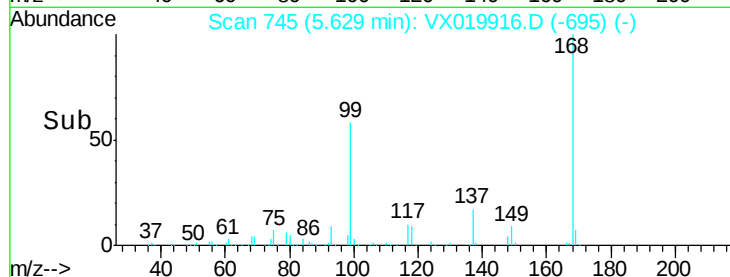
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.628 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX019916.D

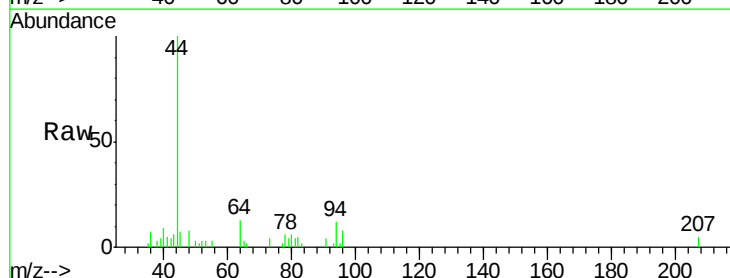
Acq: 12 Dec 2020 08:29

Tgt Ion: 94 Resp: 720

Ion Ratio Lower Upper

94 100

96 64.5 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

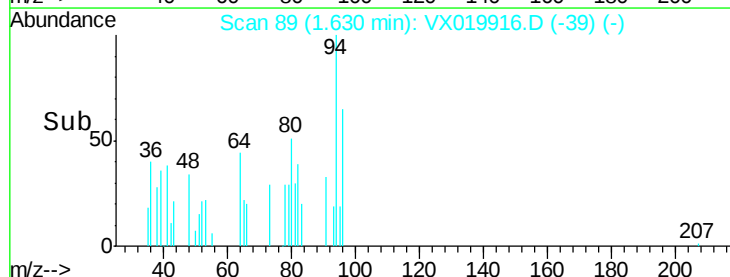
300

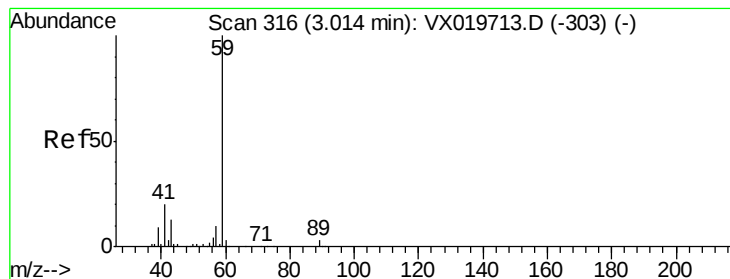
200

100

0

Time-->



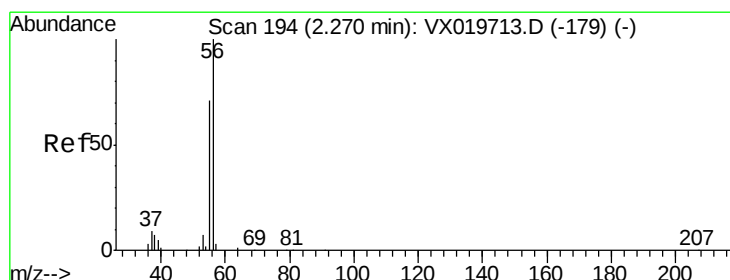
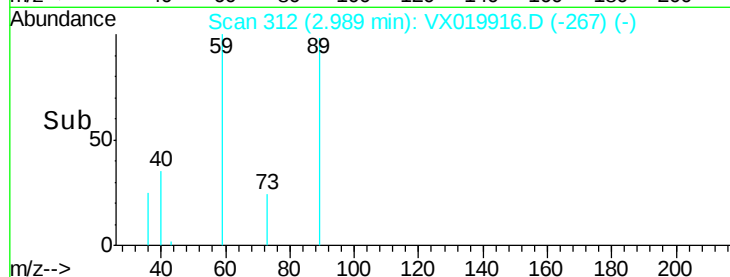
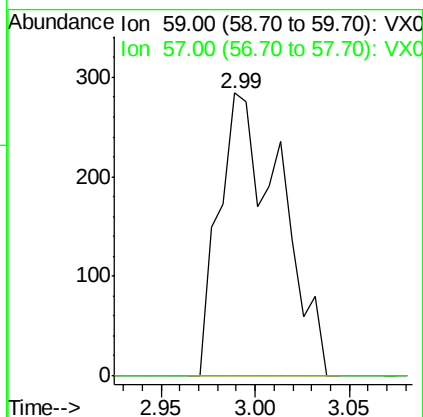
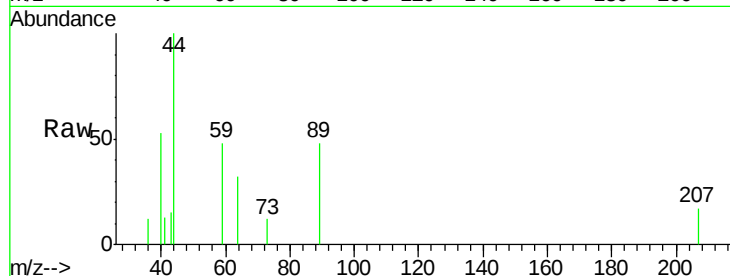


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 2.99 min Scan# 312
 Delta R.T. -0.02 min
 Lab File: VX019916.D
 Acq: 12 Dec 2020 08:29

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-631-120920

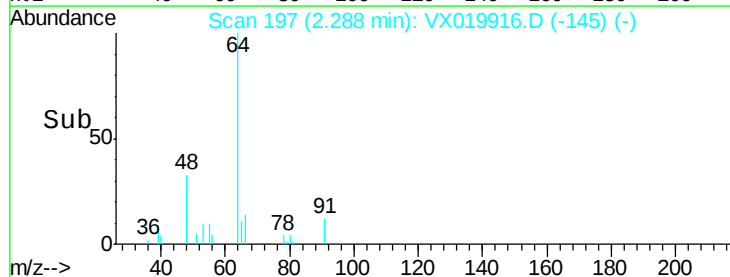
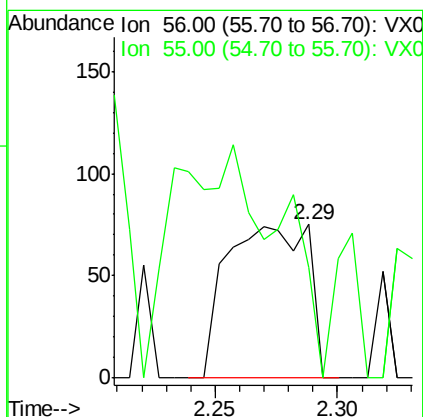
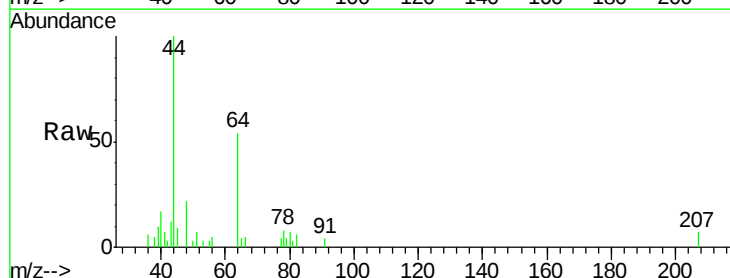
Tgt Ion: 59 Resp: 641
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#

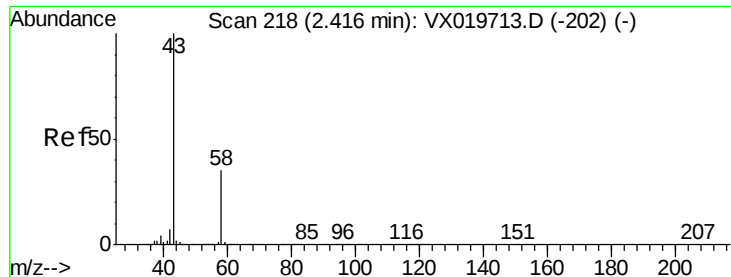


#13

Acrolein
 Concen: 0.390 ug/l
 RT: 2.29 min Scan# 197
 Delta R.T. 0.02 min
 Lab File: VX019916.D
 Acq: 12 Dec 2020 08:29

Tgt Ion: 56 Resp: 172
 Ion Ratio Lower Upper
 56 100
 55 27.3 56.4 84.6#





#16

Acetone

Concen: 1.269 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX019916.D

Acq: 12 Dec 2020 08:29

Instrument :

MSVOA_X

ClientSampleId :

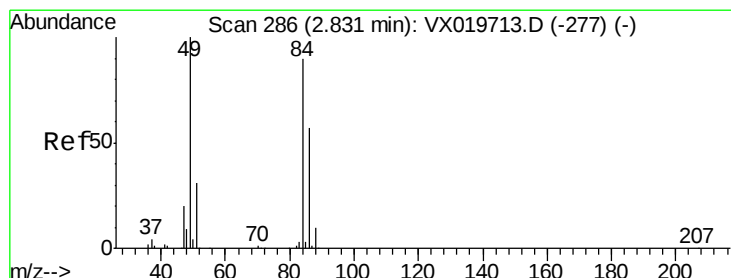
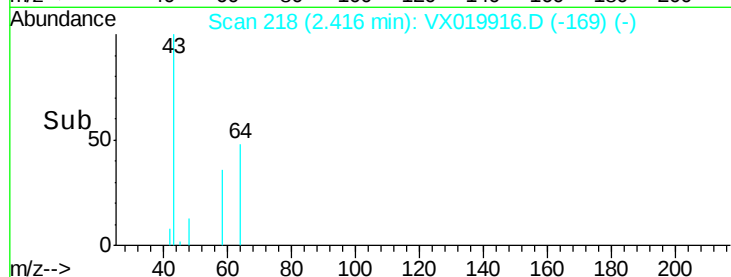
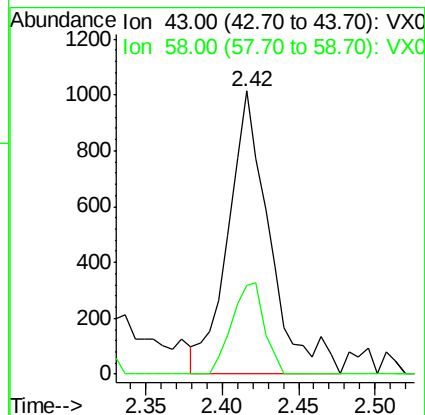
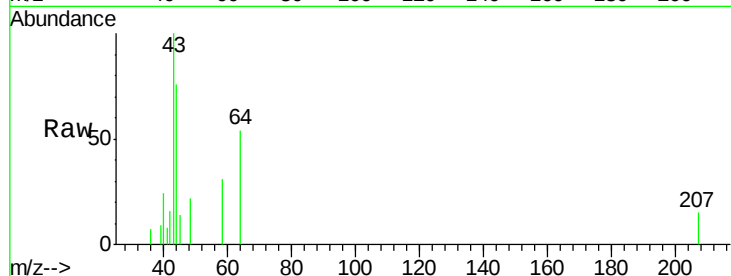
TU032-32-631-120920

Tgt Ion: 43 Resp: 1907

Ion Ratio Lower Upper

43 100

58 31.2 27.8 41.8



#20

Methylene Chloride

Concen: Below Cal

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX019916.D

Acq: 12 Dec 2020 08:29

Tgt Ion: 84 Resp: 367

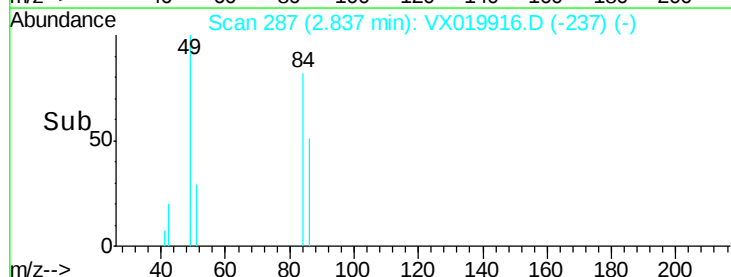
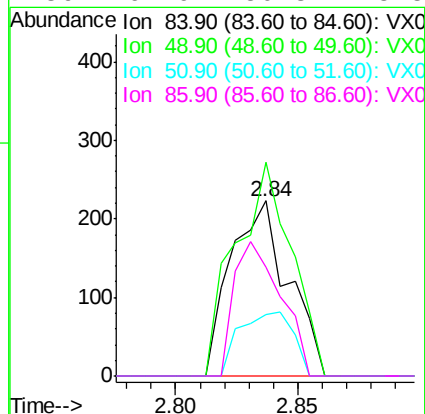
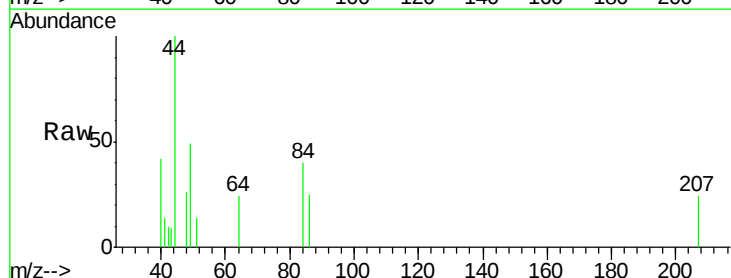
Ion Ratio Lower Upper

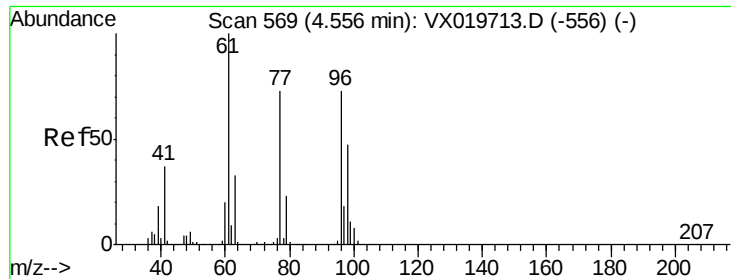
84 100

49 122.0 88.6 132.8

51 35.4 27.0 40.6

86 61.9 50.3 75.5





#27

cis-1,2-Dichloroethene

Concen: 0.513 ug/l

RT: 4.56 min Scan# 570

Delta R.T. 0.01 min

Lab File: VX019916.D

Acq: 12 Dec 2020 08:29

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-631-120920

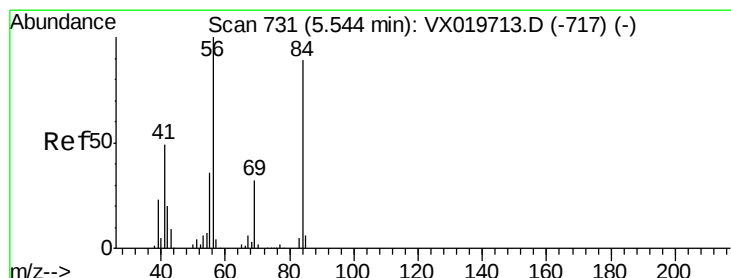
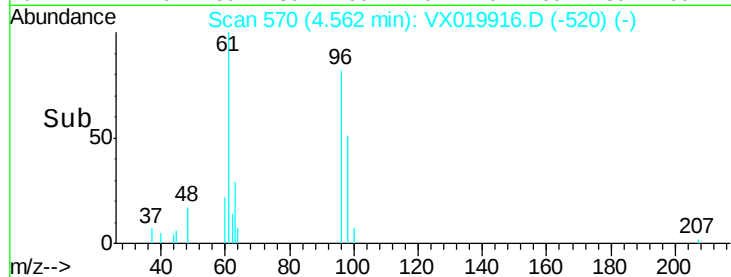
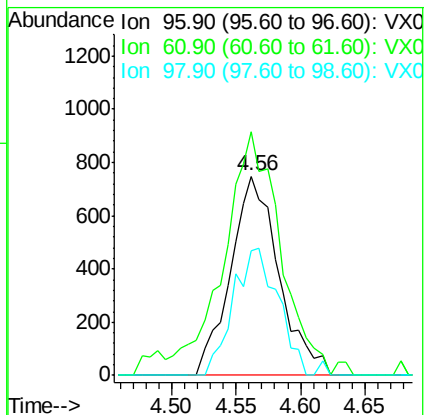
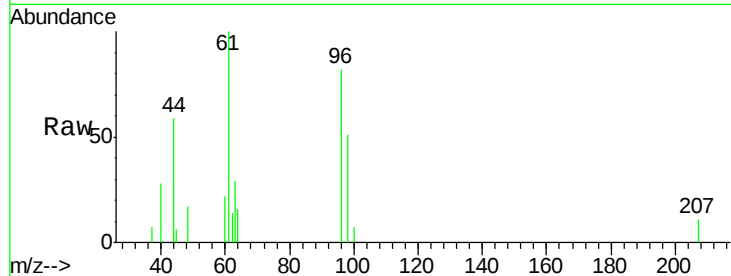
Tgt Ion: 96 Resp: 1950

Ion Ratio Lower Upper

96 100

61 143.1 0.0 285.6

98 59.1 0.0 129.6



#31

Cyclohexane

Concen: 1.177 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.08 min

Lab File: VX019916.D

Acq: 12 Dec 2020 08:29

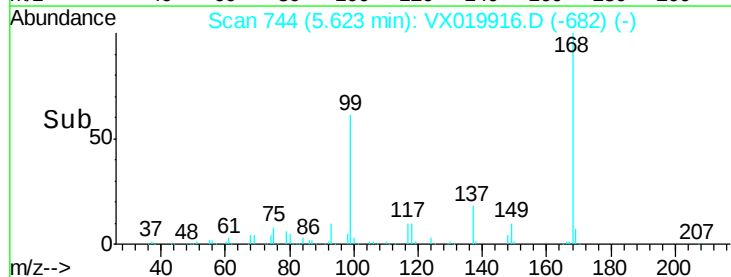
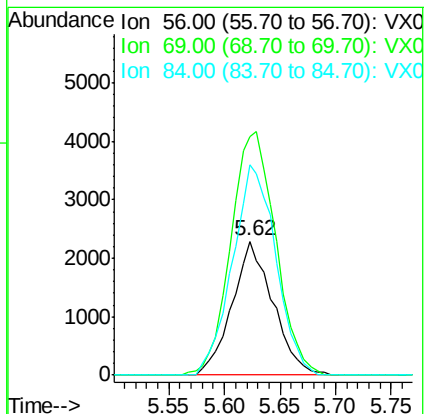
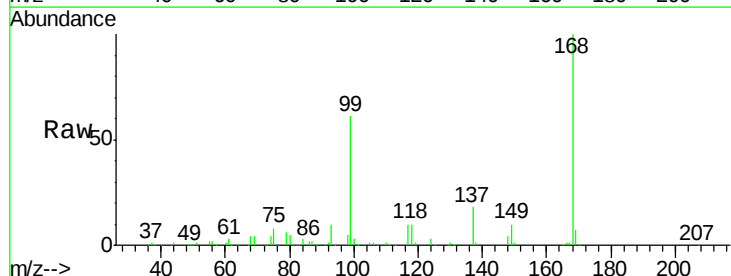
Tgt Ion: 56 Resp: 5856

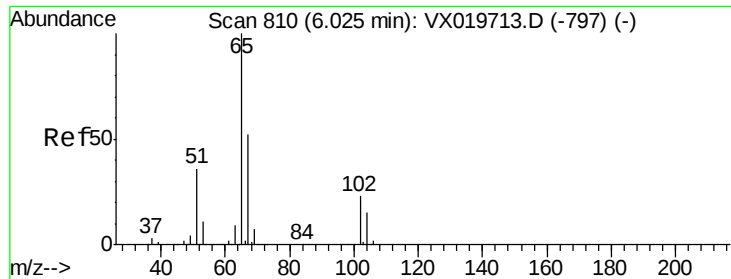
Ion Ratio Lower Upper

56 100

69 179.0 25.3 37.9#

84 157.4 71.4 107.0#

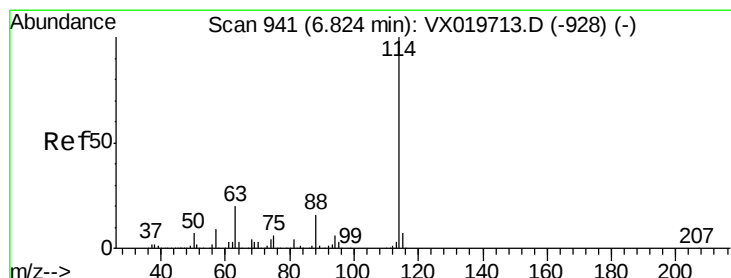
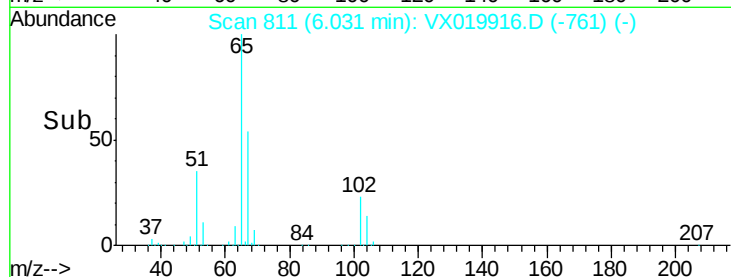
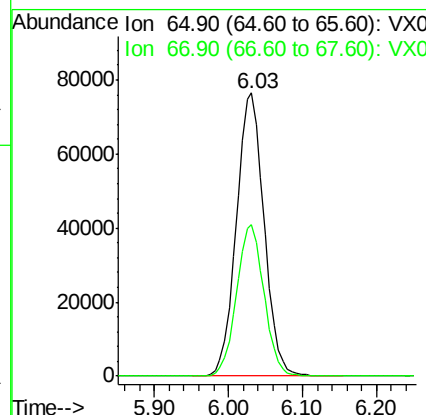
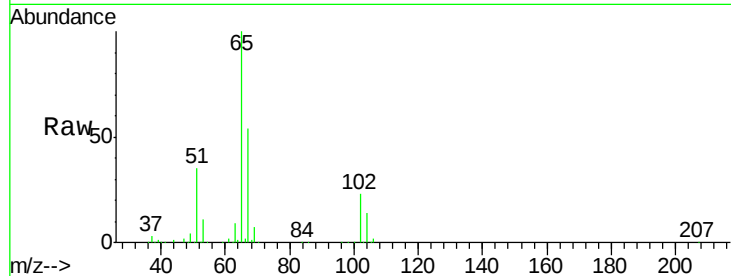




#33
 1,2-Dichloroethane-d4
 Concen: 49.881 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.01 min
 Lab File: VX019916.D
 Acq: 12 Dec 2020 08:29

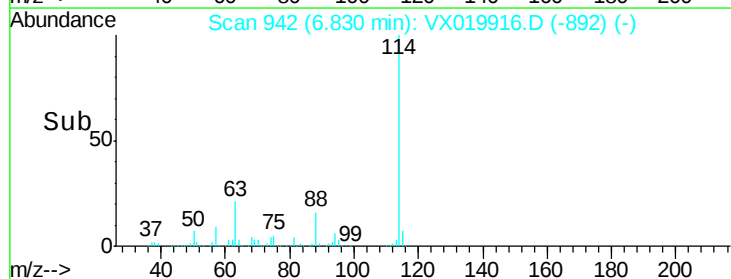
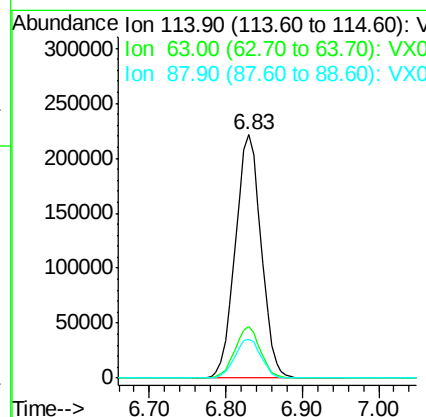
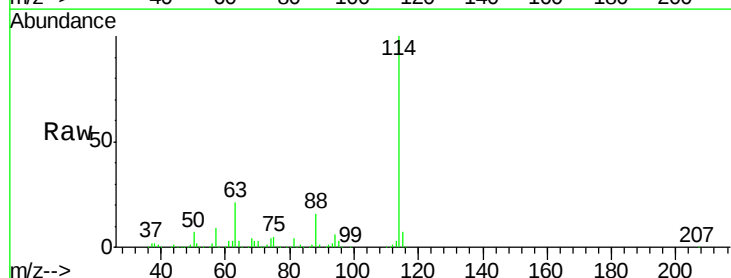
Instrument :
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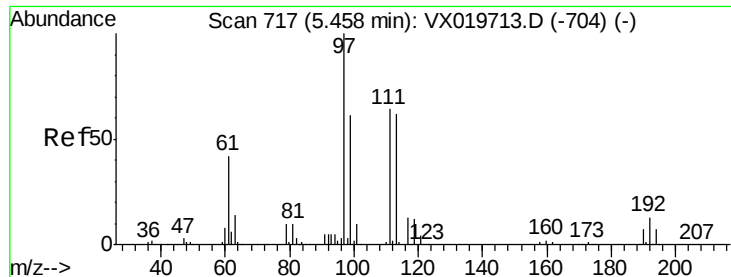
Tgt Ion: 65 Resp: 199490
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VX019916.D
 Acq: 12 Dec 2020 08:29

Tgt Ion: 114 Resp: 516880
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 40.8
 88 16.2 0.0 32.8

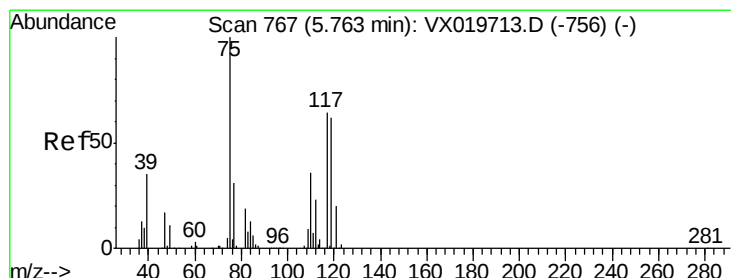
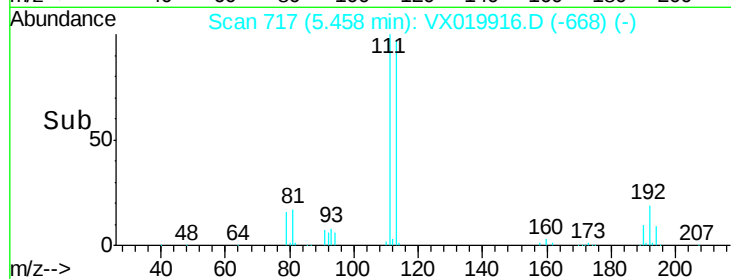
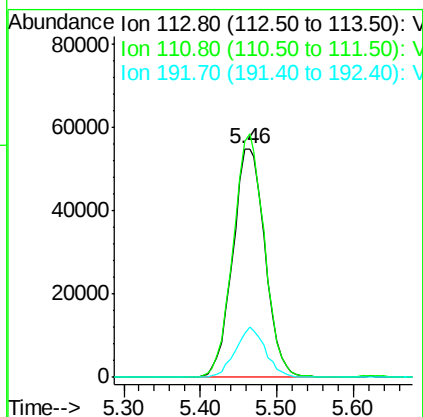
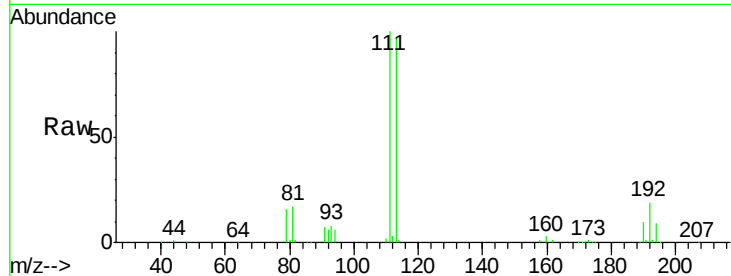




#35
 Dibromofluoromethane
 Concen: 48.116 ug/l
 RT: 5.46 min Scan# 717
 Delta R.T. -0.00 min
 Lab File: VX019916.D
 Acq: 12 Dec 2020 08:29

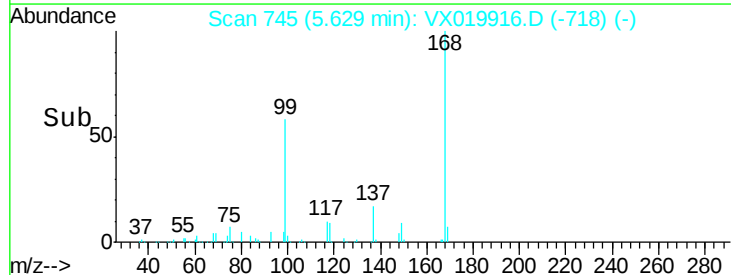
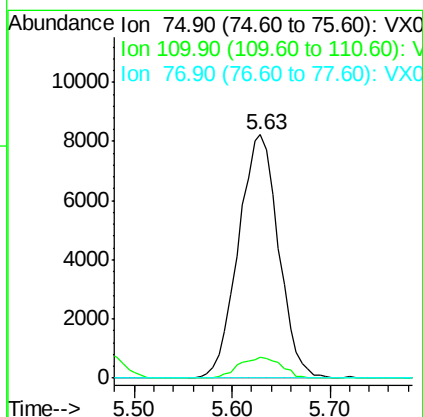
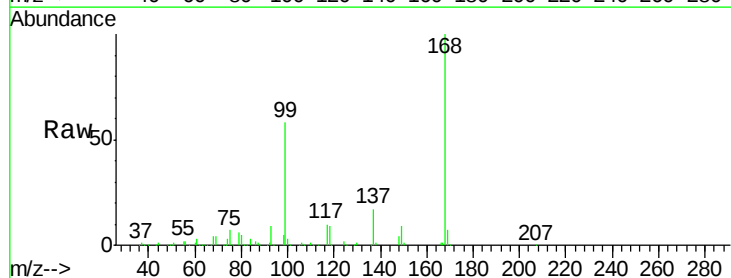
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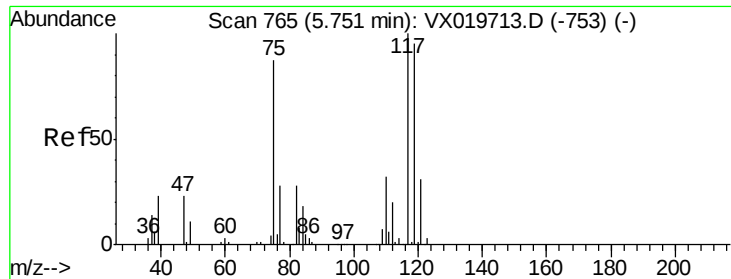
Tgt Ion:113 Resp: 160732
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.9 122.9
 192 20.5 16.7 25.1



#36
 1,1-Dichloropropene
 Concen: 4.995 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX019916.D
 Acq: 12 Dec 2020 08:29

Tgt Ion: 75 Resp: 23332
 Ion Ratio Lower Upper
 75 100
 110 9.1 18.1 54.4#
 77 0.0 25.3 37.9#

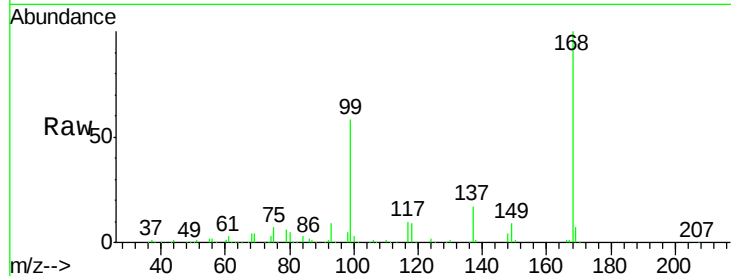




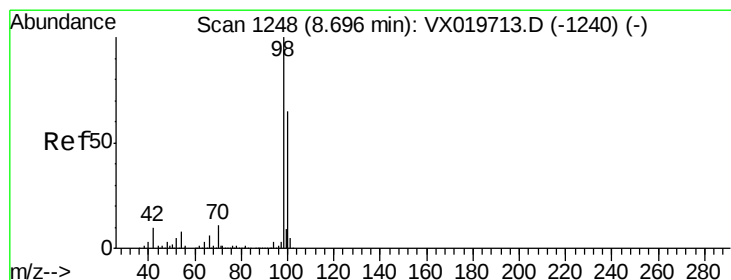
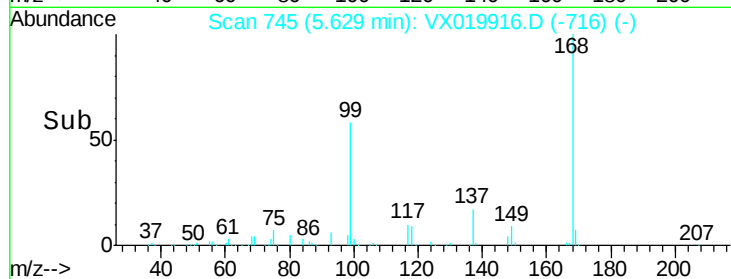
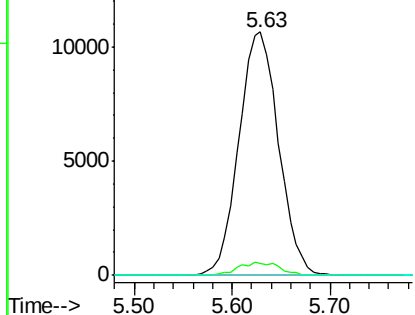
#38
Carbon Tetrachloride
Concen: 6.559 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.12 min
Lab File: VX019916.D
Acq: 12 Dec 2020 08:29

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-631-120920

Tgt Ion:117 Resp: 30001
Ion Ratio Lower Upper
117 100
119 4.7 76.2 114.2#
121 0.0 24.8 37.2#

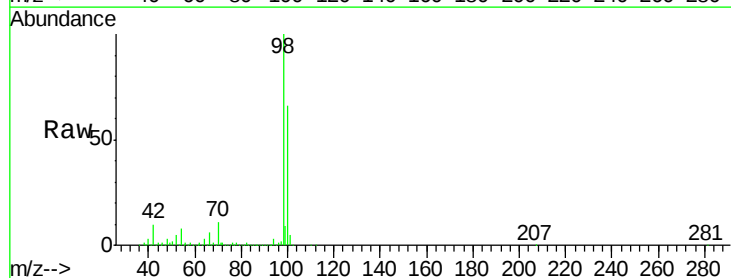


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

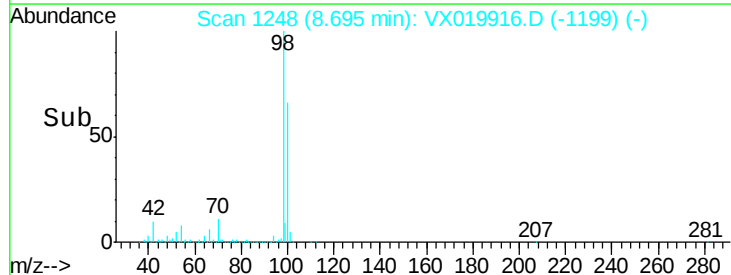
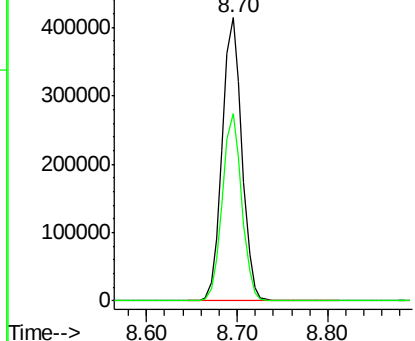


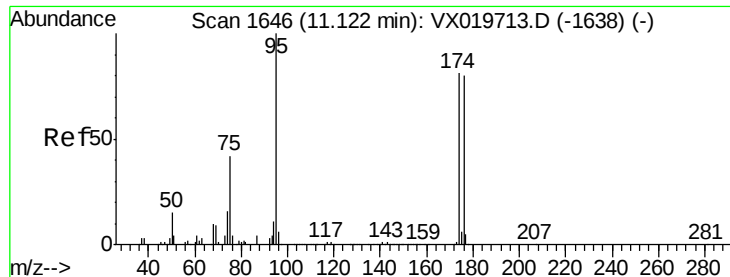
#50
Toluene-d8
Concen: 49.099 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019916.D
Acq: 12 Dec 2020 08:29

Tgt Ion: 98 Resp: 626168
Ion Ratio Lower Upper
98 100
100 65.3 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 44.671 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019916.D

Acq: 12 Dec 2020 08:29

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-631-120920

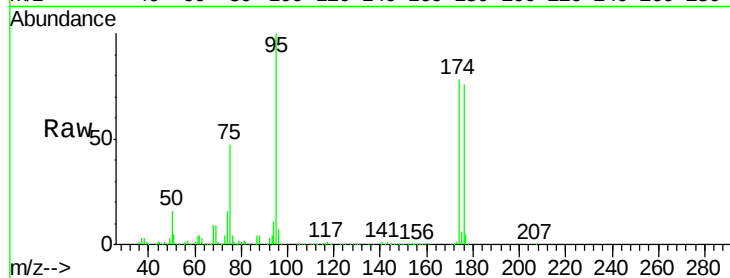
Tgt Ion: 95 Resp: 216836

Ion Ratio Lower Upper

95 100

174 78.3 0.0 154.6

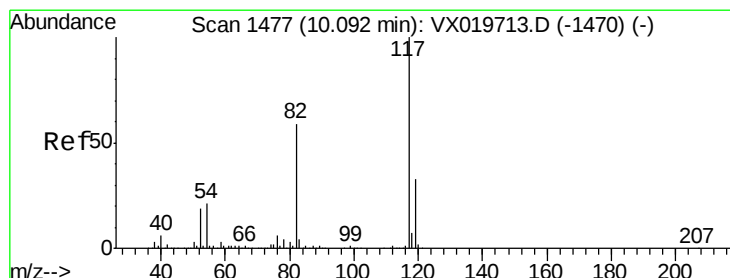
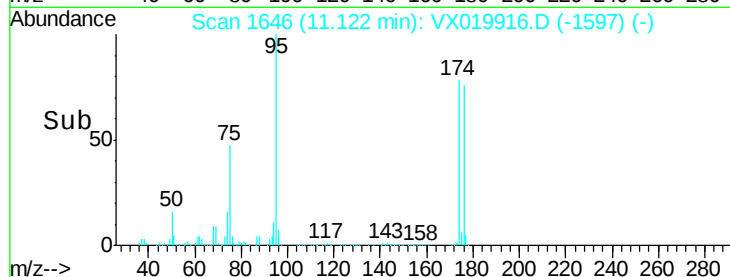
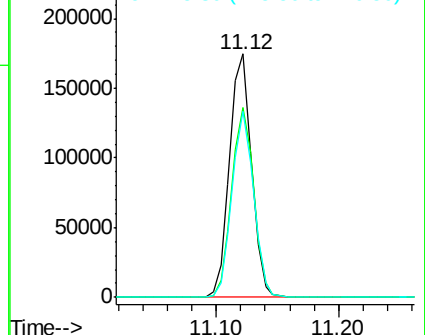
176 74.9 0.0 155.8



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: VX019916.D

Acq: 12 Dec 2020 08:29

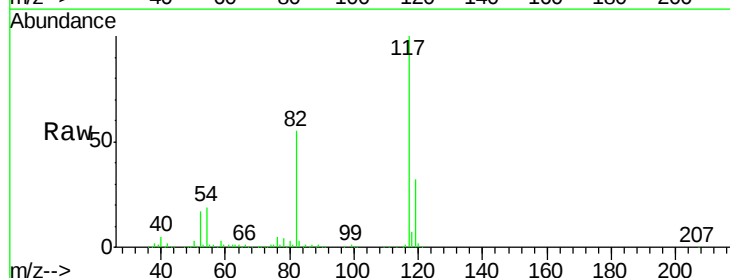
Tgt Ion: 117 Resp: 471127

Ion Ratio Lower Upper

117 100

82 55.4 47.4 71.2

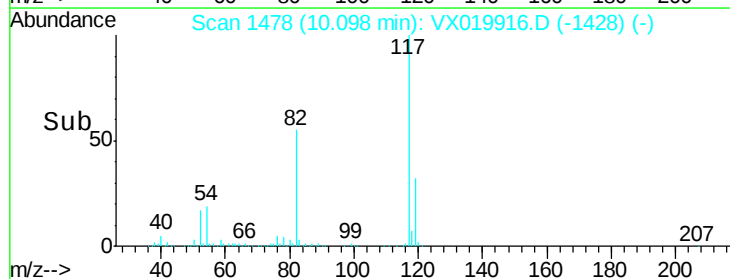
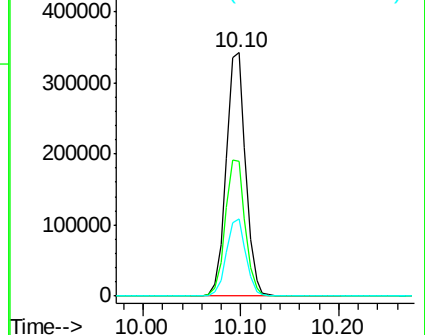
119 31.6 26.6 39.8

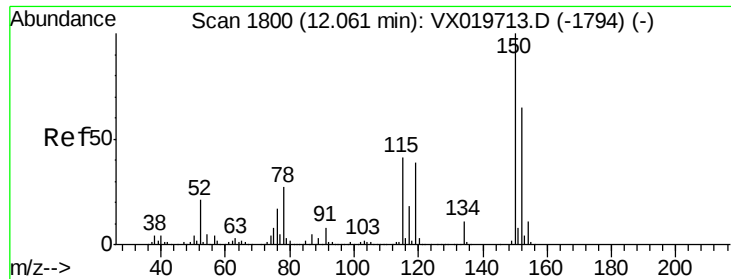


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX019916.D

Acq: 12 Dec 2020 08:29

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-631-120920

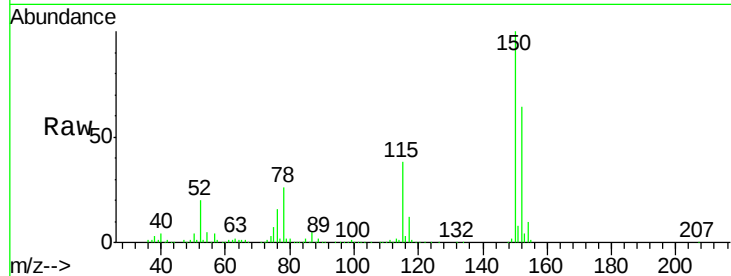
Tgt Ion:152 Resp: 204852

Ion Ratio Lower Upper

152 100

115 58.4 41.1 123.3

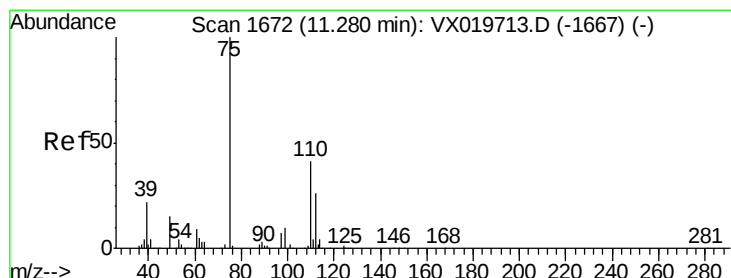
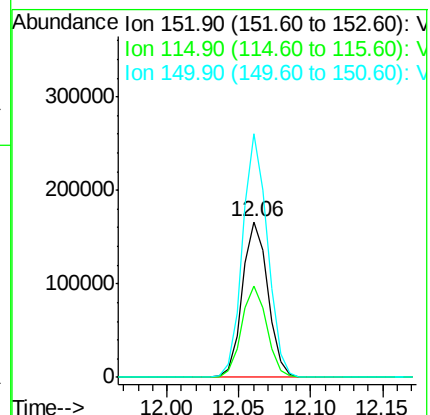
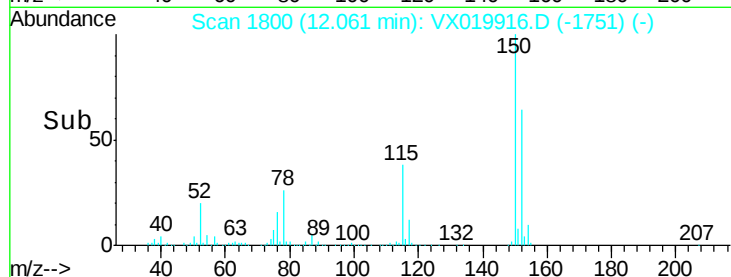
150 152.7 0.0 349.0



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: 22.838 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019916.D

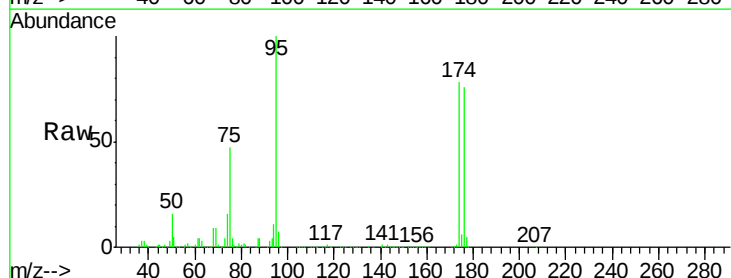
Acq: 12 Dec 2020 08:29

Tgt Ion: 75 Resp: 104929

Ion Ratio Lower Upper

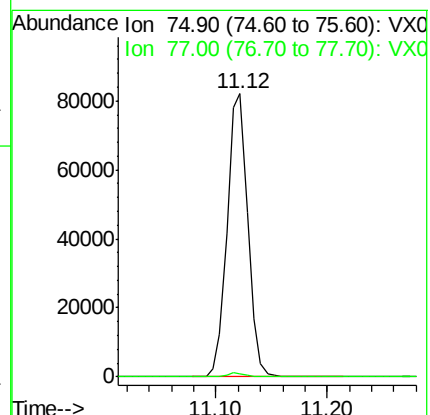
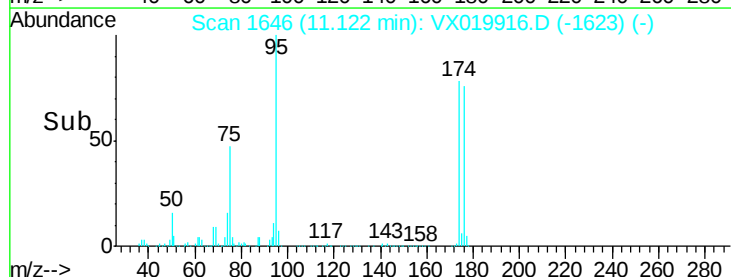
75 100

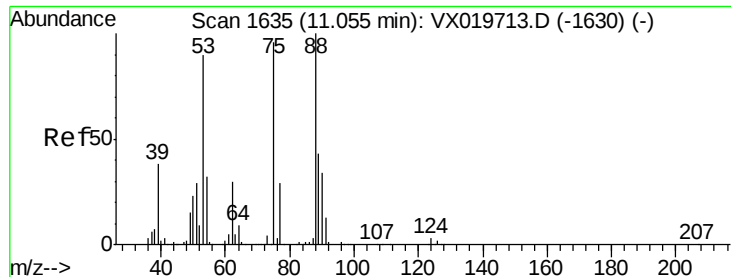
77 1.3 19.1 57.5#



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: 66.021 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019916.D

Acq: 12 Dec 2020 08:29

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-631-120920

Tgt Ion: 75 Resp: 104929

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

89 0.0 37.9 56.9#

