

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120420\
 Data File : VX019739.D
 Acq On : 04 Dec 2020 23:57
 Operator : JC/MD
 Sample : L4953-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ID039-FD01-120220

Quant Time: Dec 05 03:55:49 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	341849	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	562792	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	513180	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	229955	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	212558	47.31	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.62%
35) Dibromofluoromethane	5.46	113	171202	47.07	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.14%
50) Toluene-d8	8.70	98	679426	48.93	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.86%
62) 4-Bromofluorobenzene	11.12	95	244060	46.18	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	92.36%

Target Compounds

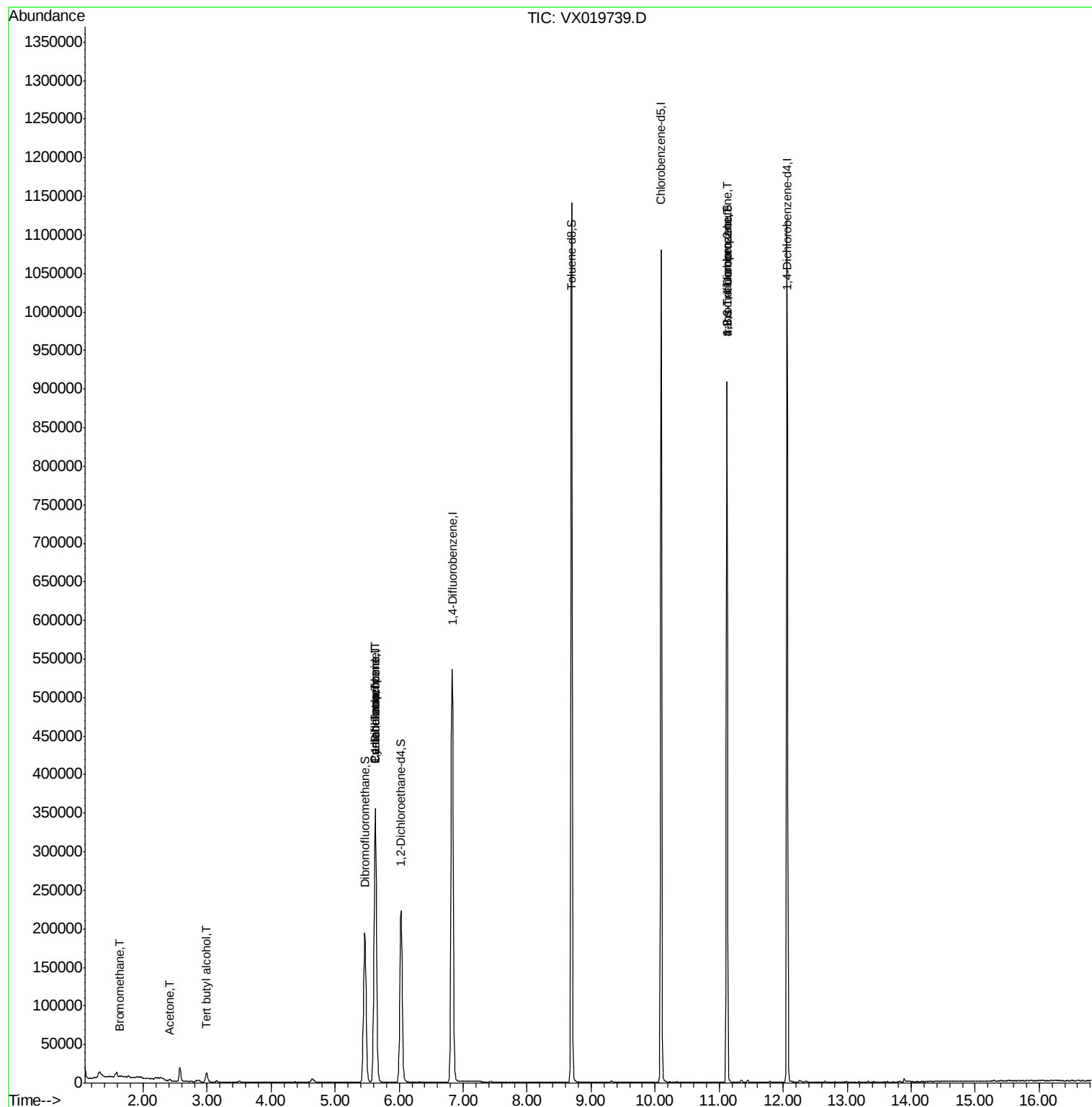
					Qvalue	
5) Bromomethane	1.64	94	453	0.352	ug/l #	66
11) Tert butyl alcohol	2.99	59	7105	5.133	ug/l #	73
16) Acetone	2.42	43	2225	1.318	ug/l	100
20) Methylene Chloride	2.84	84	648	Below Cal		89
31) Cyclohexane	5.63	56	6545	1.171	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	25767	5.067	ug/l #	49
38) Carbon Tetrachloride	5.63	117	33572	6.741	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	117721	22.825	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	117721	65.984	ug/l #	12

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

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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: VX019739.D

Acq: 04 Dec 2020 23:57

Instrument :

MSVOA_X

ClientSampleId :

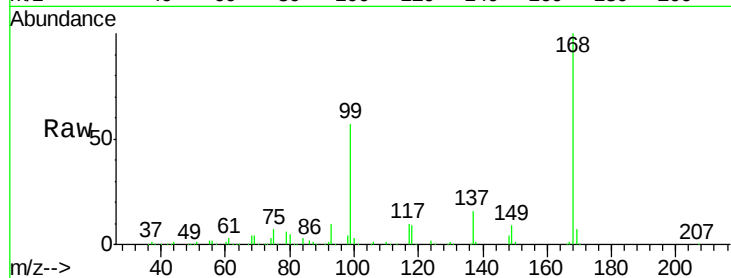
ID039-FD01-120220

Tot Ion:168 Resp: 341849

Ion Ratio Lower Upper

168 100

99 57.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

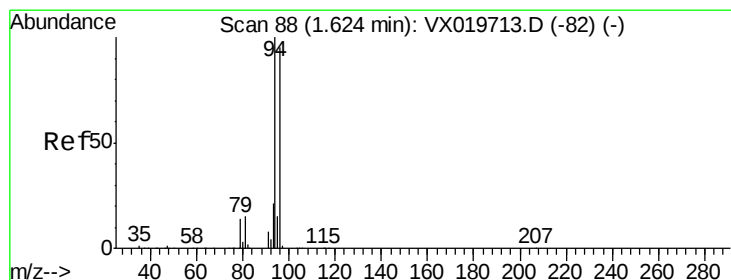
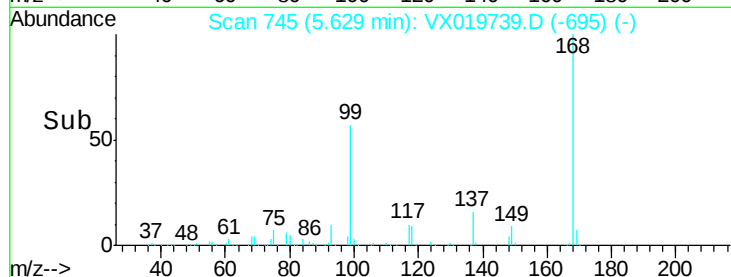
5.63

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.352 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX019739.D

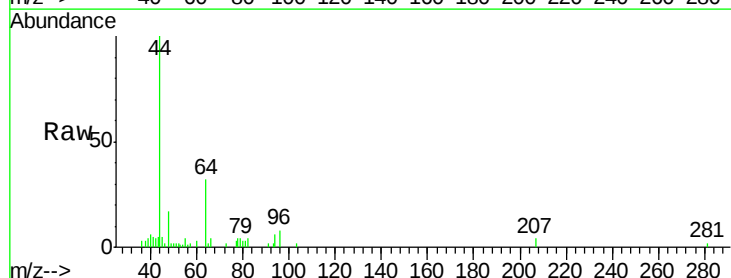
Acq: 04 Dec 2020 23:57

Tgt Ion: 94 Resp: 453

Ion Ratio Lower Upper

94 100

96 128.5 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

250

200

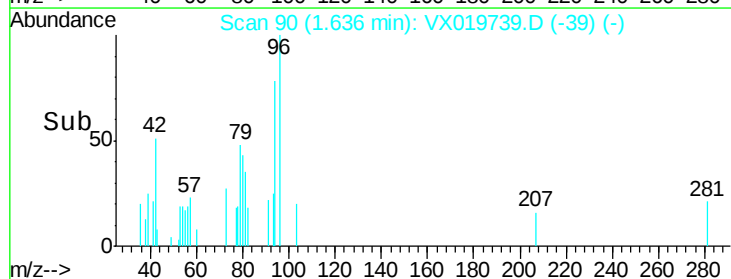
150

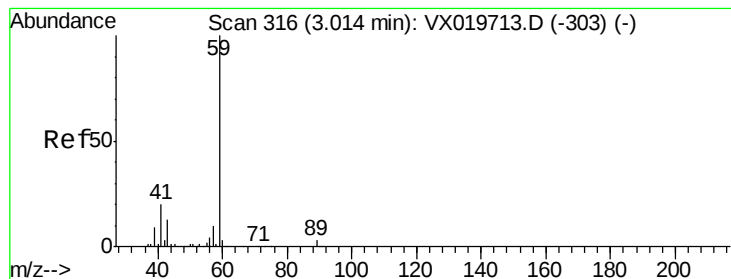
100

50

0

Time-->



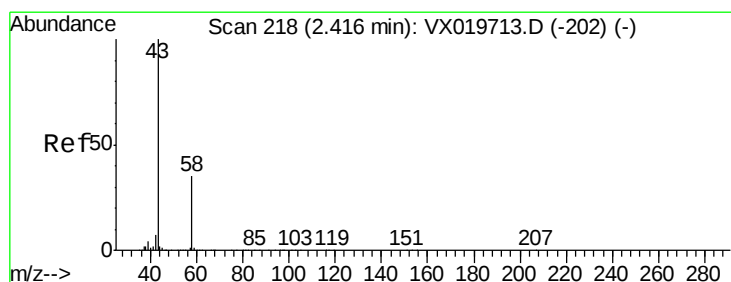
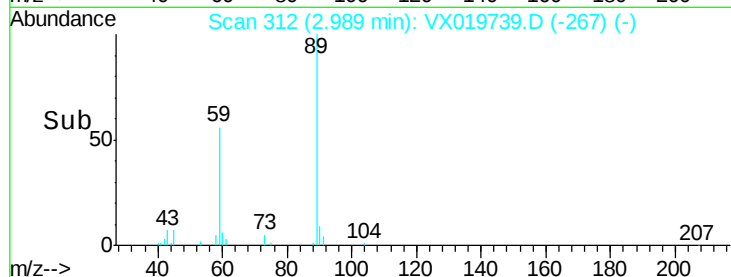
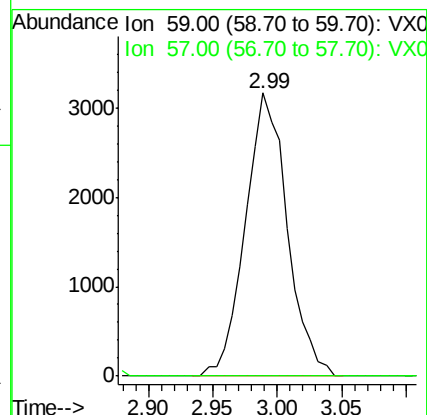
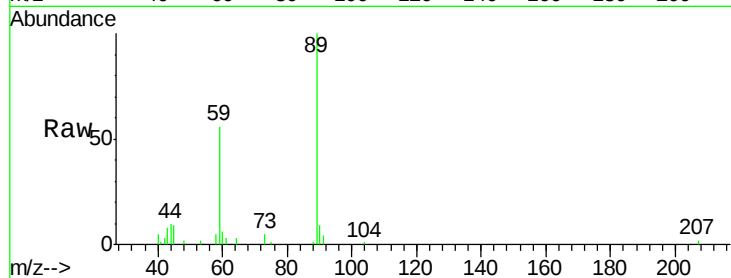


#11

Tert butyl alcohol
Concen: 5.133 ug/l
RT: 2.99 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX019739.D
Acq: 04 Dec 2020 23:57

Instrument :
MSVOA_X
ClientSampleId :
ID039-FD01-120220

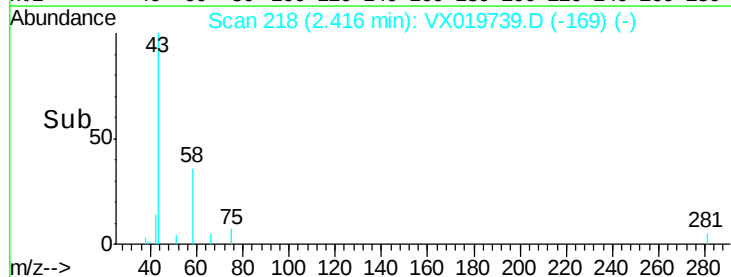
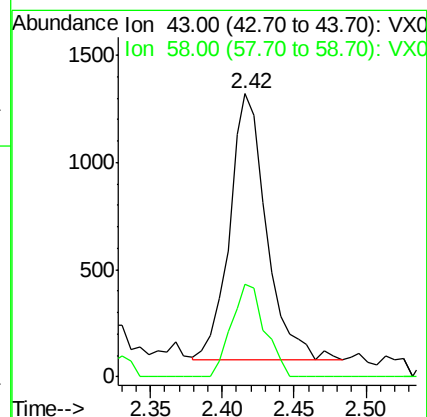
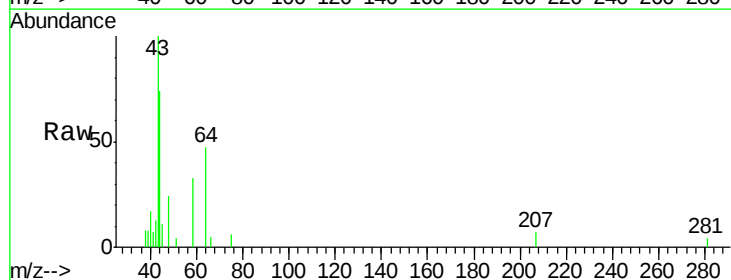
Tot Ion: 59 Resp: 7105
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

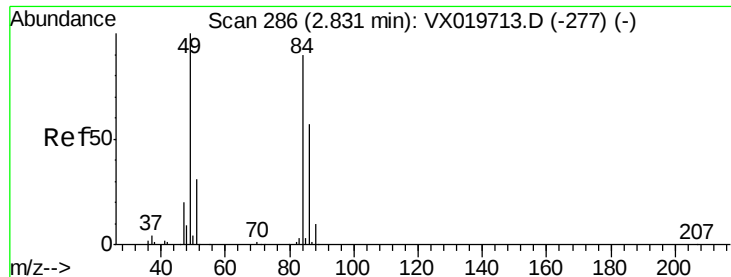


#16

Acetone
Concen: 1.318 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.00 min
Lab File: VX019739.D
Acq: 04 Dec 2020 23:57

Tgt Ion: 43 Resp: 2225
Ion Ratio Lower Upper
43 100
58 34.6 27.8 41.8

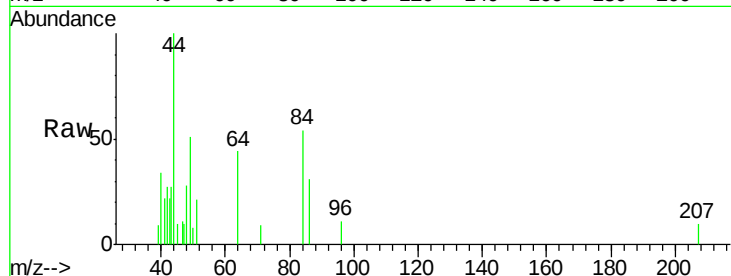




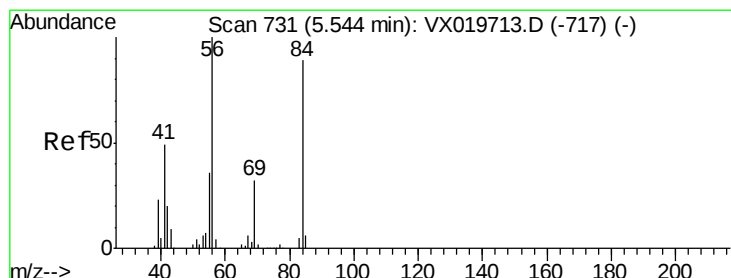
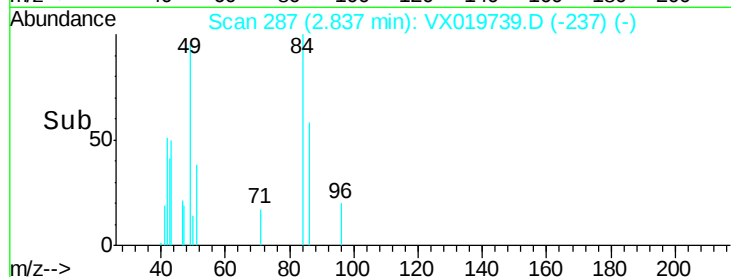
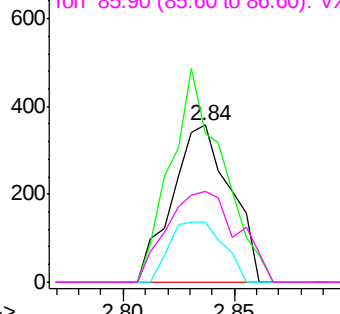
#20
Methvlene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX019739.D
Acq: 04 Dec 2020 23:57

Instrument :
MSVOA_X
ClientSampleId :
ID039-FD01-120220

Tot Ion:	84	Resp:	648
Ion	Ratio	Lower	Upper
84	100		
49	94.7	88.6	132.8
51	38.4	27.0	40.6
86	58.3	50.3	75.5

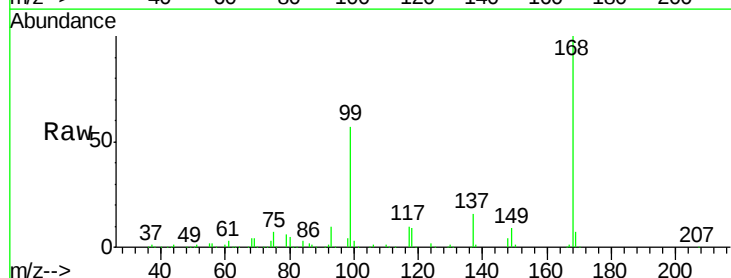


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

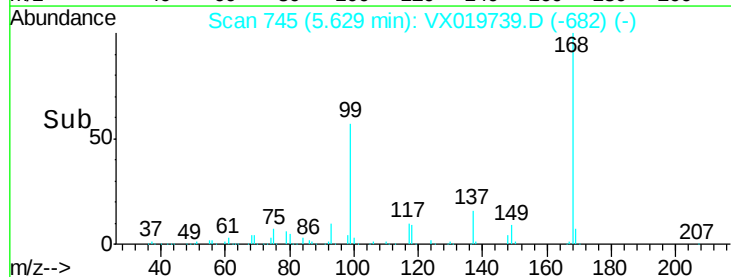
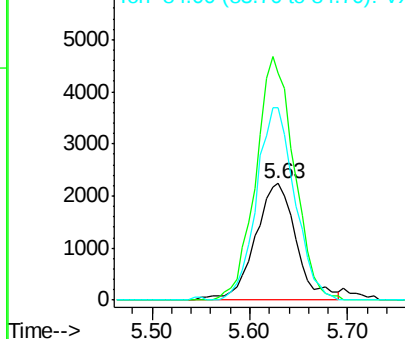


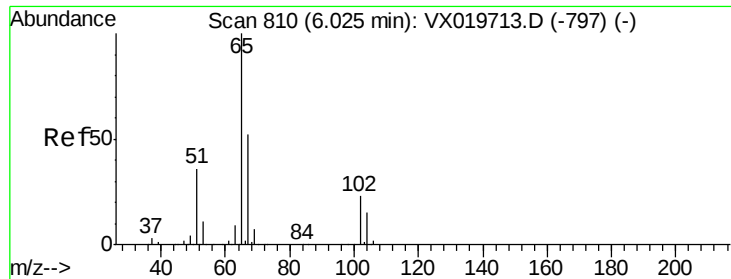
#31
Cyclohexane
Concen: 1.171 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.09 min
Lab File: VX019739.D
Acq: 04 Dec 2020 23:57

Tgt Ion:	56	Resp:	6545
Ion	Ratio	Lower	Upper
56	100		
69	194.4	25.3	37.9#
84	164.8	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

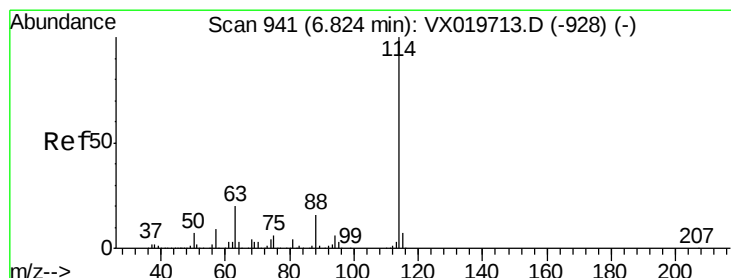
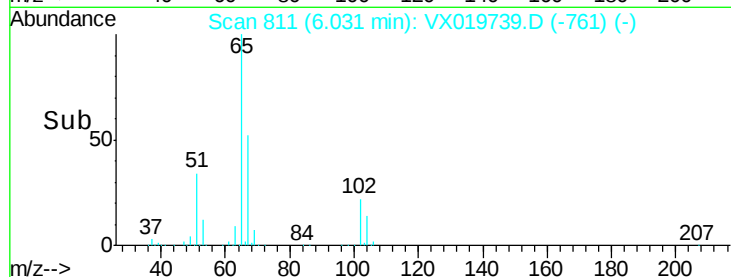
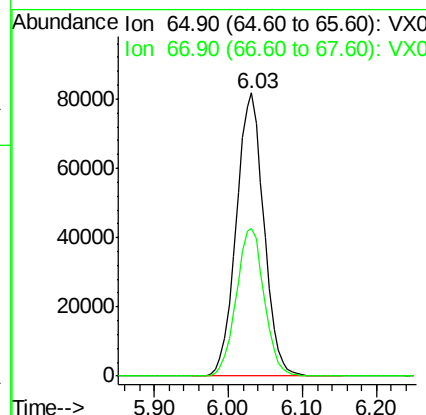
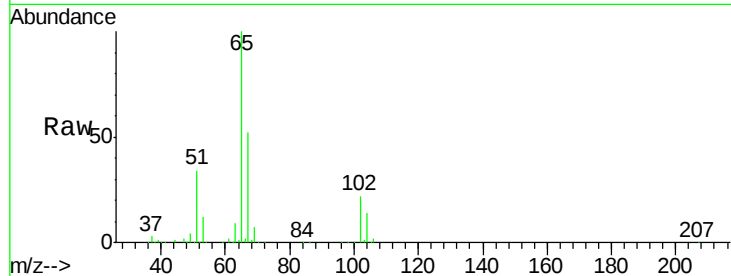




#33
 1,2-Dichloroethane-d4
 Concen: 47.310 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.01 min
 Lab File: VX019739.D
 Acq: 04 Dec 2020 23:57

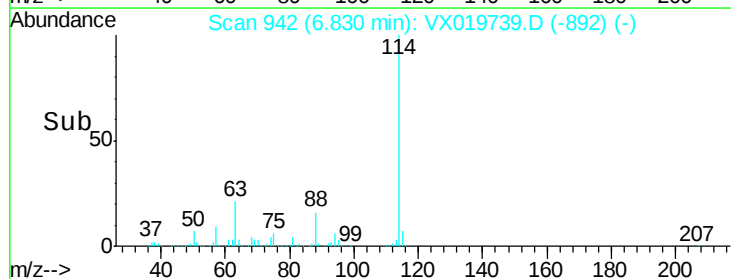
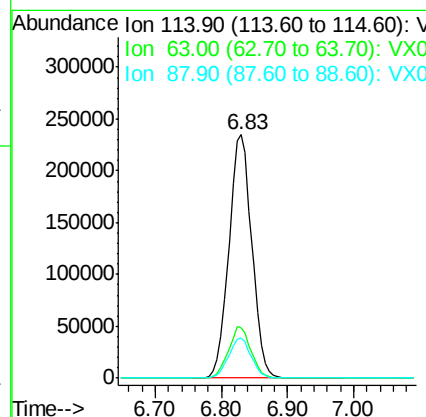
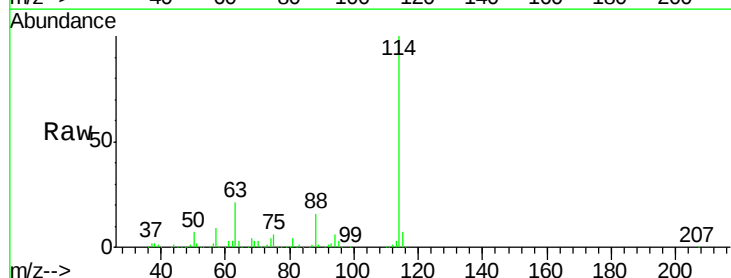
Instrument :
 MSVOA_X
 ClientSampleId :
 ID039-FD01-120220

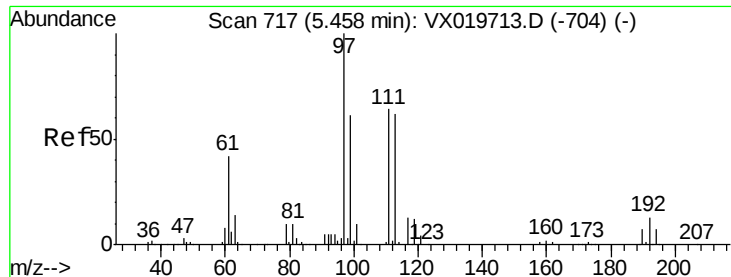
Tot Ion: 65 Resp: 212558
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VX019739.D
 Acq: 04 Dec 2020 23:57

Tgt Ion: 114 Resp: 562792
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 40.8
 88 16.5 0.0 32.8

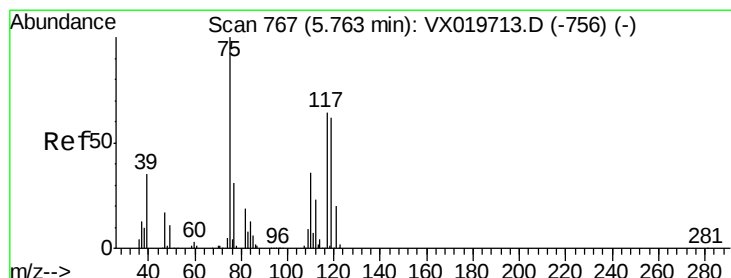
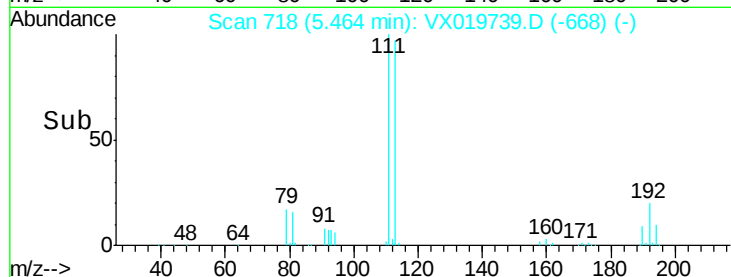
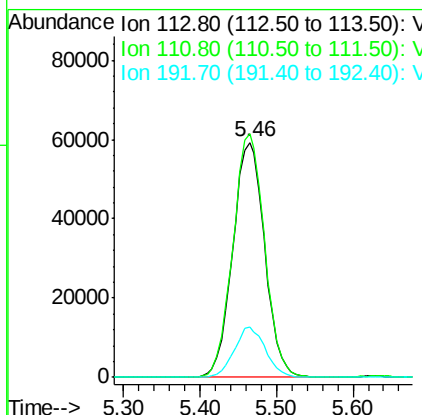
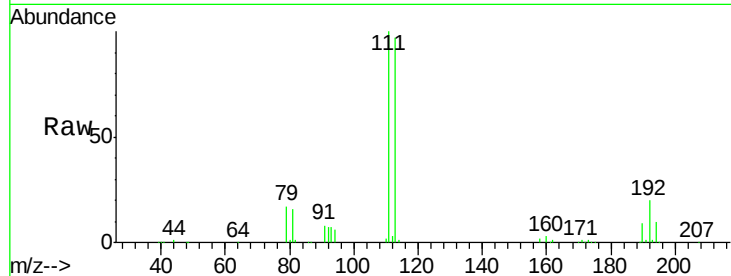




#35
Dibromofluoromethane
Concen: 47.069 ug/l
RT: 5.46 min Scan# 718
Delta R.T. 0.01 min
Lab File: VX019739.D
Acq: 04 Dec 2020 23:57

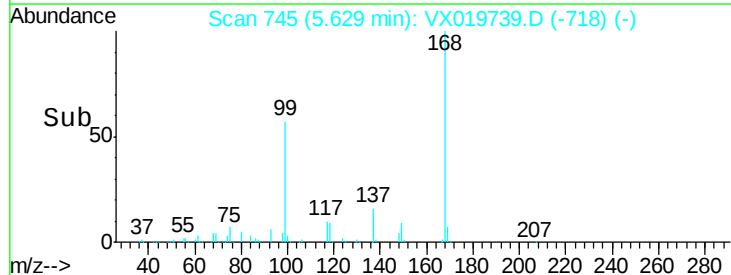
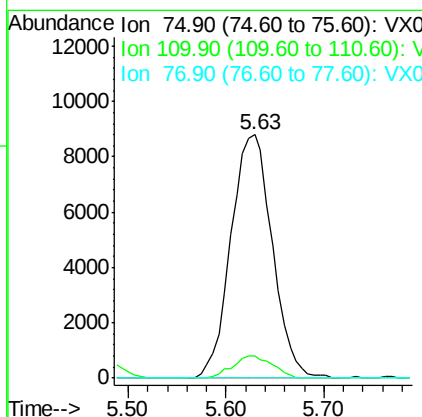
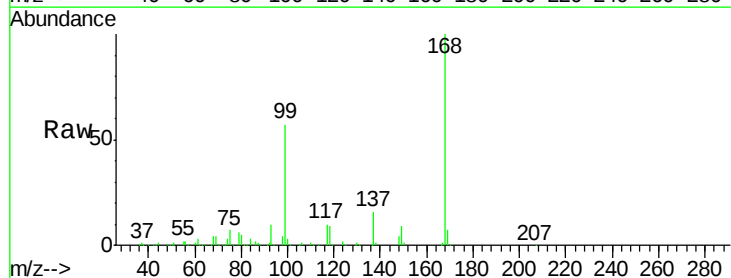
Instrument :
MSVOA_X
ClientSampleId :
ID039-FD01-120220

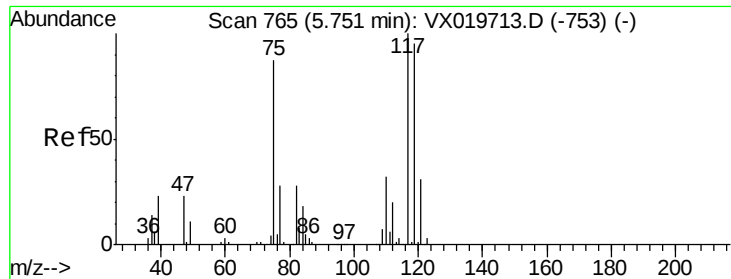
Tot Ion:113 Resp: 171202
Ion Ratio Lower Upper
113 100
111 102.9 81.9 122.9
192 20.9 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.067 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.13 min
Lab File: VX019739.D
Acq: 04 Dec 2020 23:57

Tgt Ion: 75 Resp: 25767
Ion Ratio Lower Upper
75 100
110 8.7 18.1 54.4#
77 0.0 25.3 37.9#

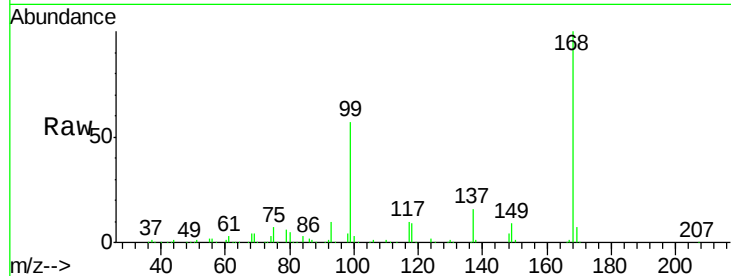




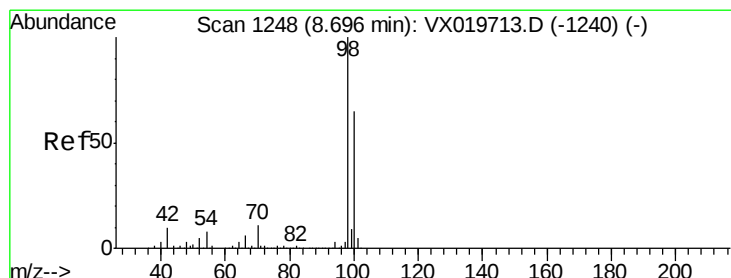
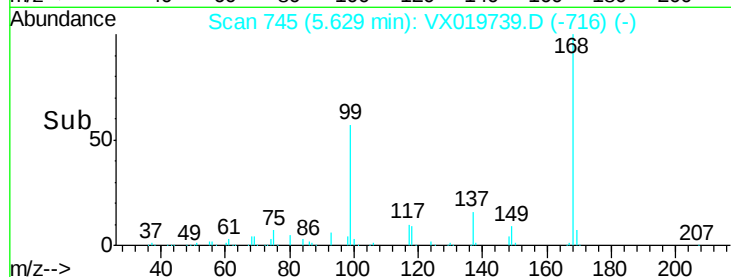
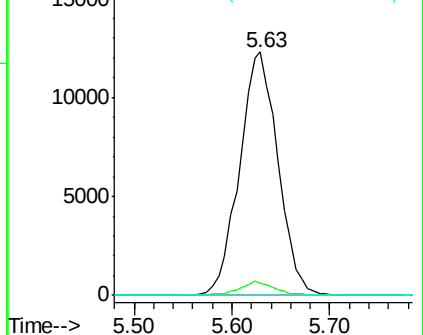
#38
Carbon Tetrachloride
Concen: 6.741 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.12 min
Lab File: VX019739.D
Acq: 04 Dec 2020 23:57

Instrument :
MSVOA_X
ClientSampleId :
ID039-FD01-120220

Tot Ion:117 Resp: 33572
Ion Ratio Lower Upper
117 100
119 4.8 76.2 114.2#
121 0.0 24.8 37.2#

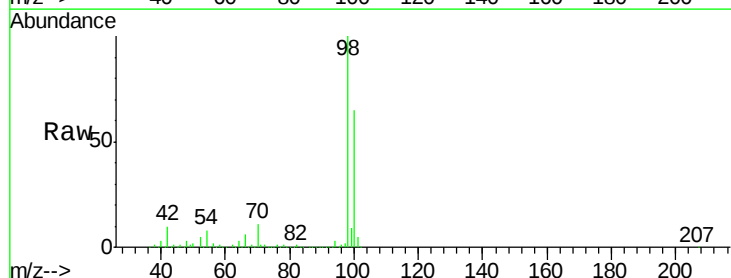


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

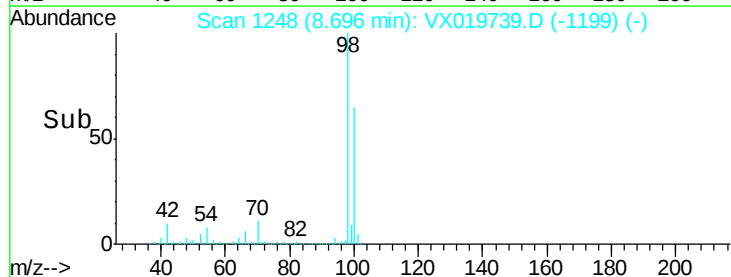
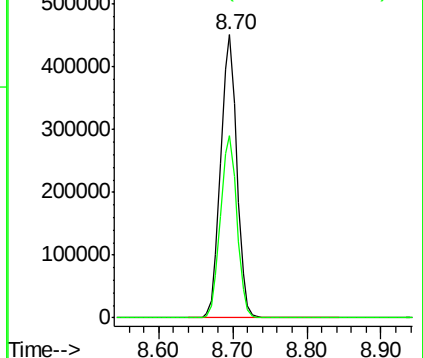


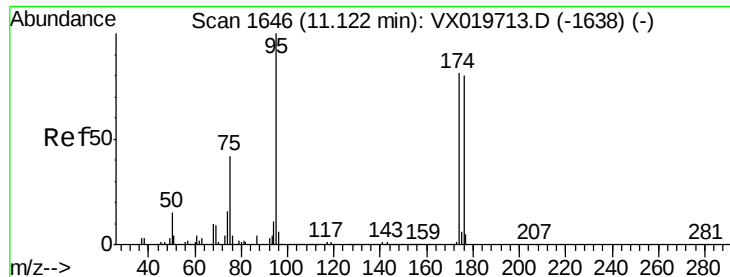
#50
Toluene-d8
Concen: 48.929 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019739.D
Acq: 04 Dec 2020 23:57

Tgt Ion: 98 Resp: 679426
Ion Ratio Lower Upper
98 100
100 65.5 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: 46.178 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019739.D

Acq: 04 Dec 2020 23:57

Instrument :

MSVOA_X

ClientSampleId :

ID039-FD01-120220

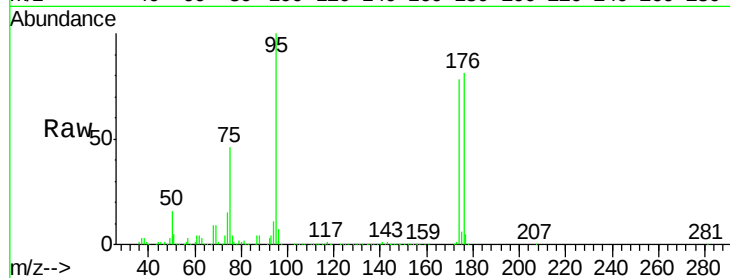
Tot Ion: 95 Resp: 244060

Ion Ratio Lower Upper

95 100

174 77.4 0.0 154.6

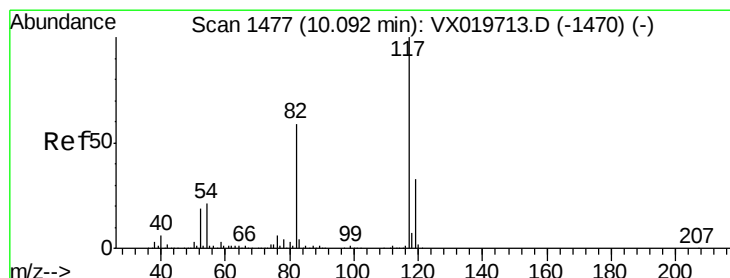
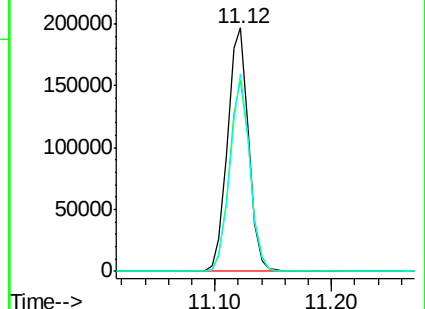
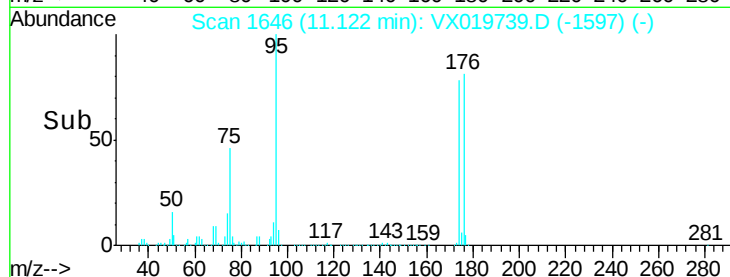
176 76.8 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX019739.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX019739.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX019739.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.09 min Scan# 1477

Delta R.T. -0.00 min

Lab File: VX019739.D

Acq: 04 Dec 2020 23:57

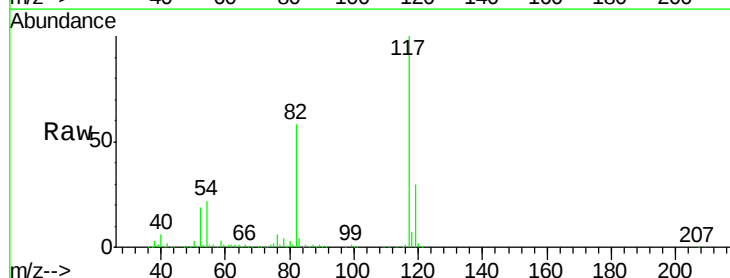
Tgt Ion: 117 Resp: 513180

Ion Ratio Lower Upper

117 100

82 57.8 47.4 71.2

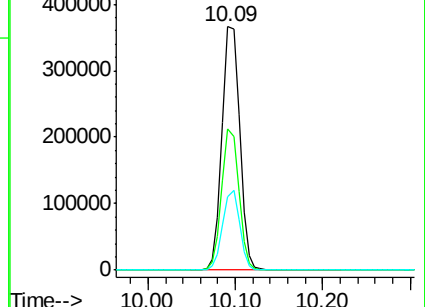
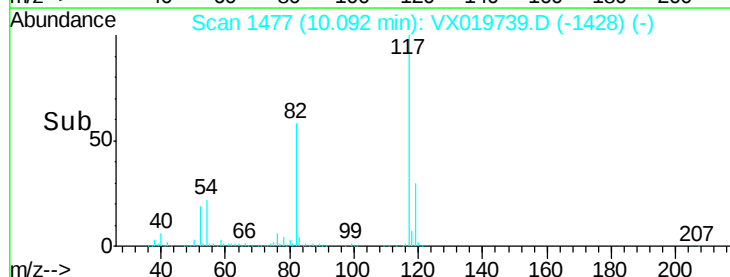
119 30.4 26.6 39.8

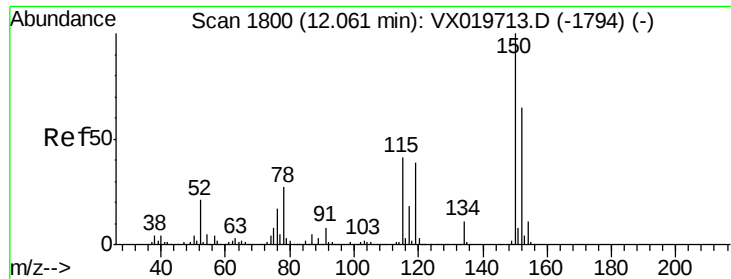


Abundance Ion 116.90 (116.60 to 117.60): VX019739.D (-1428) (-)

Ion 82.00 (81.70 to 82.70): VX019739.D (-1428) (-)

Ion 118.90 (118.60 to 119.60): VX019739.D (-1428) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019739.D

Acq: 04 Dec 2020 23:57

Instrument :

MSVOA_X

ClientSampleId :

ID039-FD01-120220

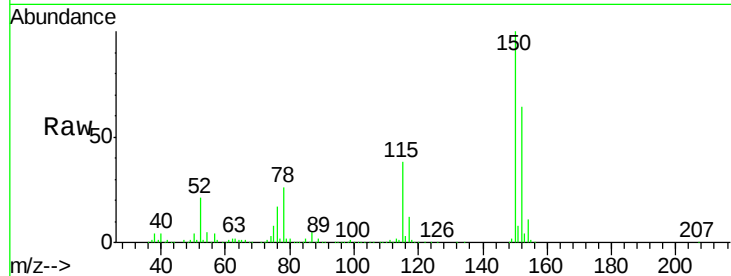
Tot Ion:152 Resp: 229955

Ion Ratio Lower Upper

152 100

115 59.0 41.1 123.3

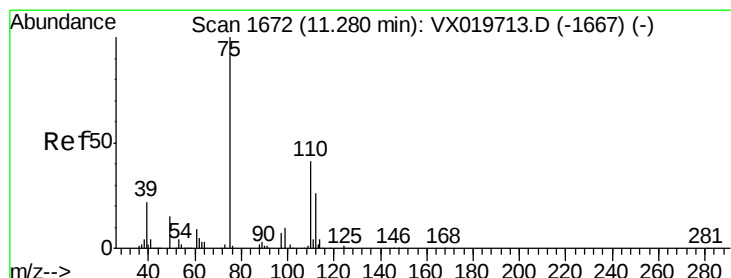
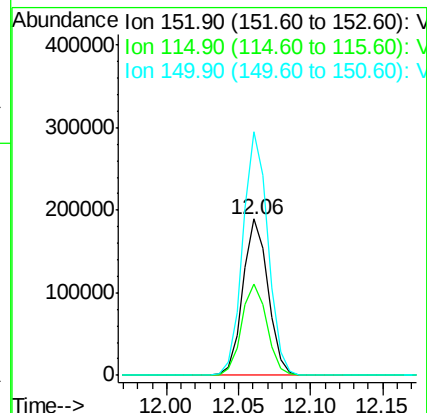
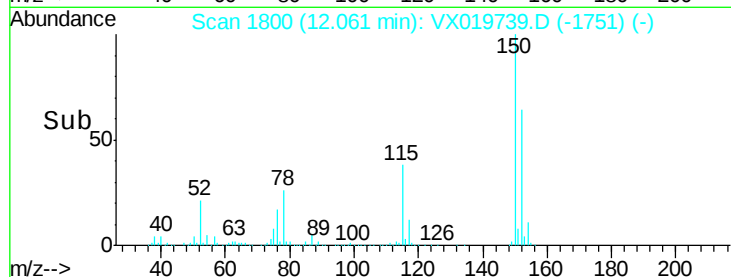
150 155.1 0.0 349.0



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: 22.825 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.16 min

Lab File: VX019739.D

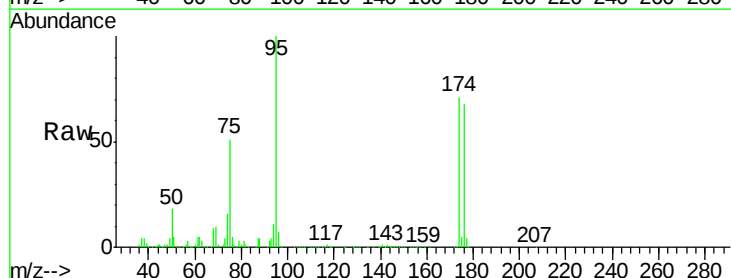
Acq: 04 Dec 2020 23:57

Tgt Ion: 75 Resp: 117721

Ion Ratio Lower Upper

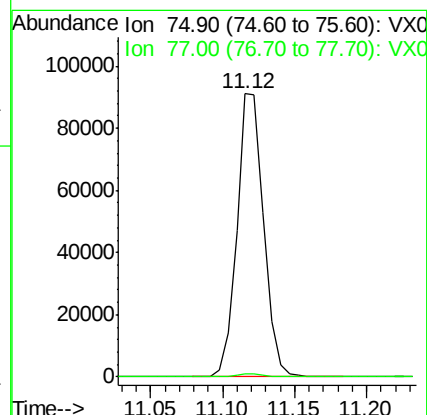
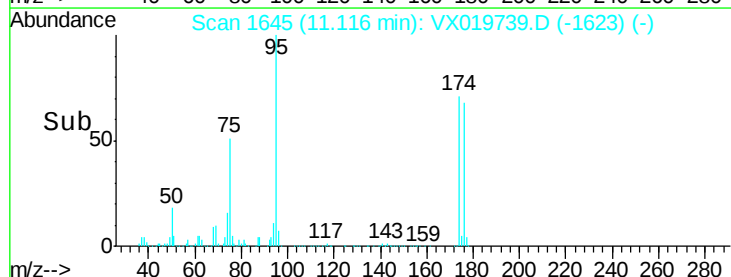
75 100

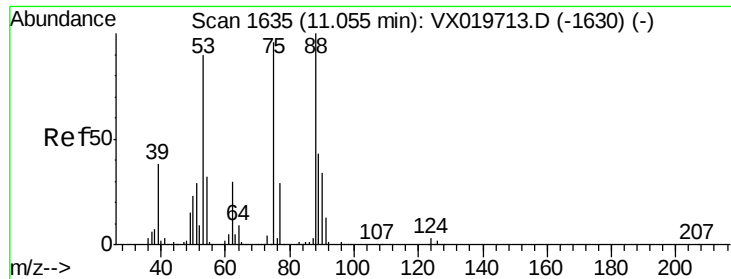
77 1.2 19.1 57.5#



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: 65.984 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. 0.06 min

Lab File: VX019739.D

Acq: 04 Dec 2020 23:57

Instrument :

MSVOA_X

ClientSampleId :

ID039-FD01-120220

Tot Ion: 75 Resp: 117721

Ion Ratio Lower Upper

75 100

53 0.1 74.5 111.7#

89 0.0 37.9 56.9#

