

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110920\
 Data File : VX019370.D
 Acq On : 09 Nov 2020 16:06
 Operator : JC/MD
 Sample : L4668-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 10 01:45:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 13:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	291954	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	510093	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	481887	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	248344	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	202778	53.86	ug/l	0.00
Spiked Amount						
			Recovery	=	107.72%	
35) Dibromofluoromethane	5.46	113	158499	49.47	ug/l	0.00
Spiked Amount						
			Recovery	=	98.94%	
50) Toluene-d8	8.70	98	630008	52.16	ug/l	0.00
Spiked Amount						
			Recovery	=	104.32%	
62) 4-Bromofluorobenzene	11.12	95	246691	53.93	ug/l	0.00
Spiked Amount						
			Recovery	=	107.86%	

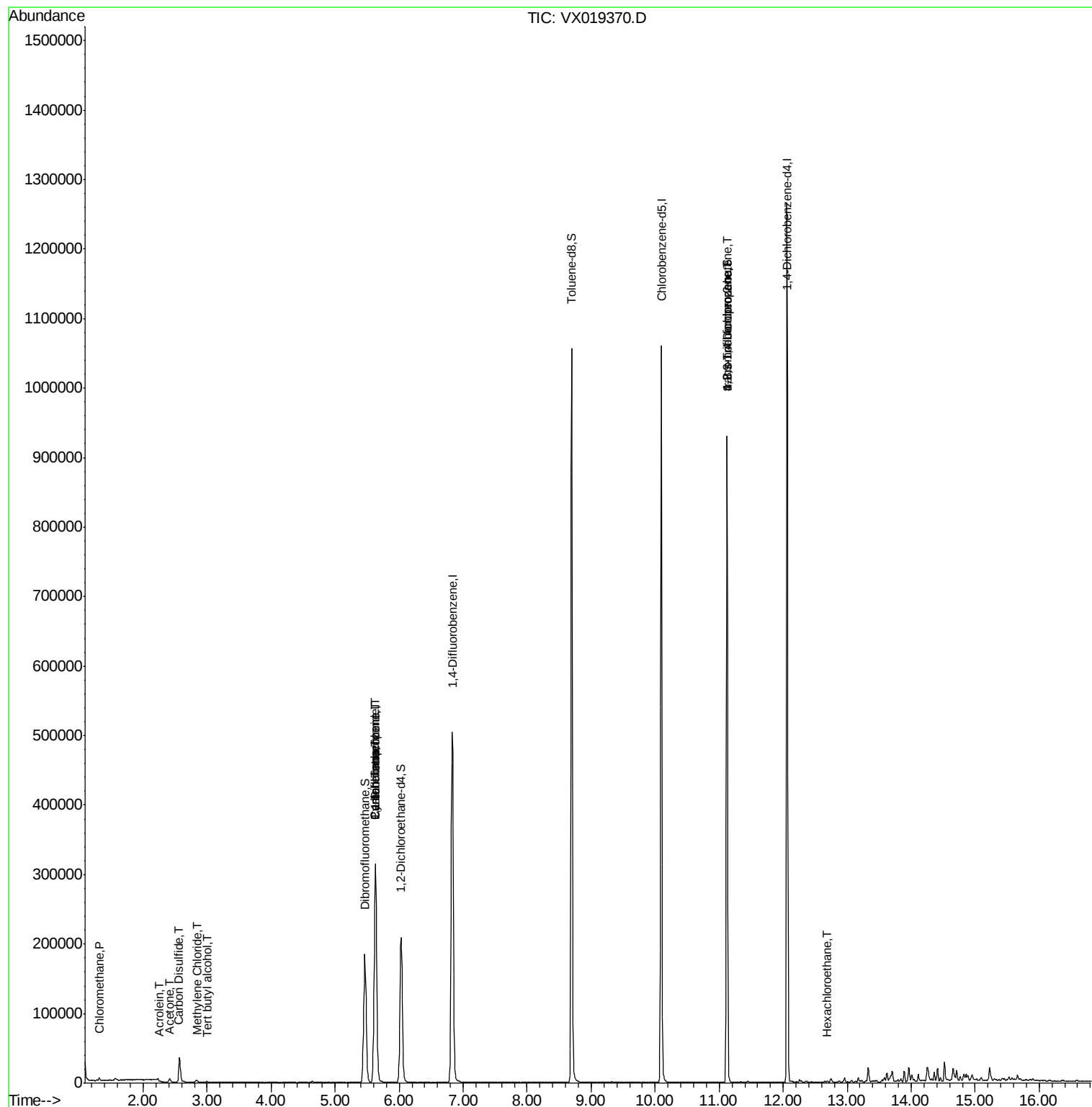
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	2029	0.746	ug/l	89
11) Tert butyl alcohol	2.99	59	603	0.811	ug/l #	72
13) Acrolein	2.26	56	40	5.765	ug/l #	1
16) Acetone	2.42	43	5108	3.933	ug/l #	81
17) Carbon Disulfide	2.55	76	386	0.807	ug/l #	14
20) Methylene Chloride	2.83	84	1599	0.490	ug/l	93
31) Cyclohexane	5.63	56	6423	1.350	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	23740	5.040	ug/l #	50
38) Carbon Tetrachloride	5.63	117	30769	6.409	ug/l #	17
76) 1,2,3-Trichloropropane	11.12	75	126288	24.628	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	126288	64.846	ug/l #	12
90) Hexachloroethane	12.68	117	541	0.202	ug/l #	11

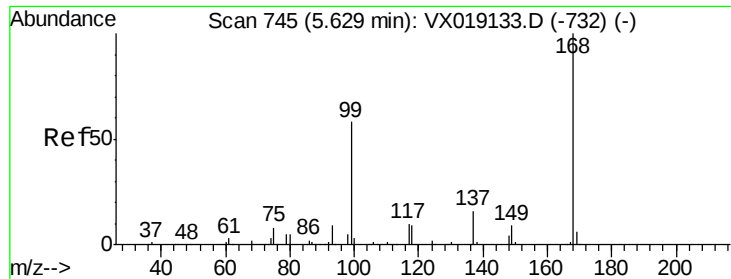
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX019370.D

Acq: 09 Nov 2020 16:06

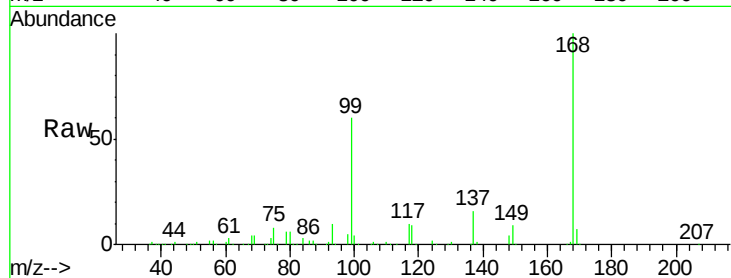
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 291954

Ion Ratio Lower Upper

168 100

99 59.7 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

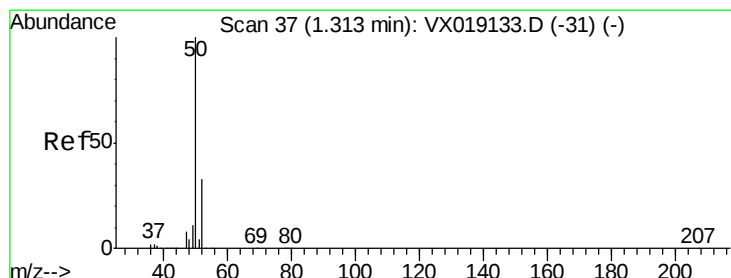
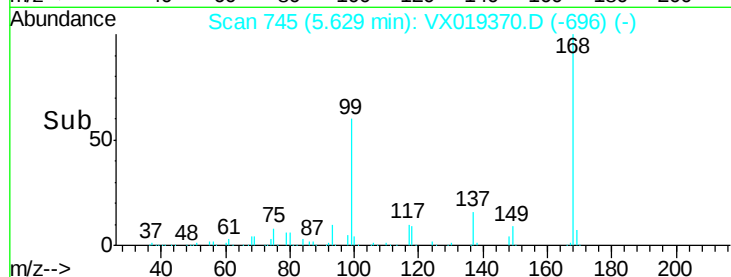
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.746 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019370.D

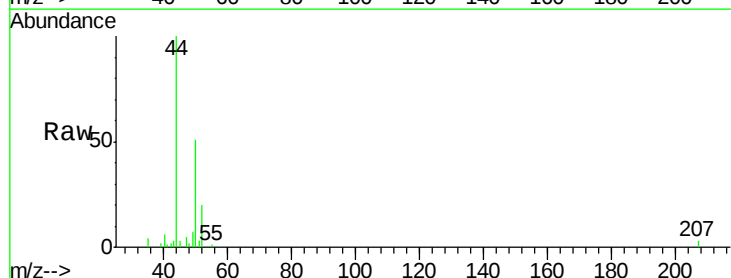
Acq: 09 Nov 2020 16:06

Tgt Ion: 50 Resp: 2029

Ion Ratio Lower Upper

50 100

52 39.6 26.8 40.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

2000

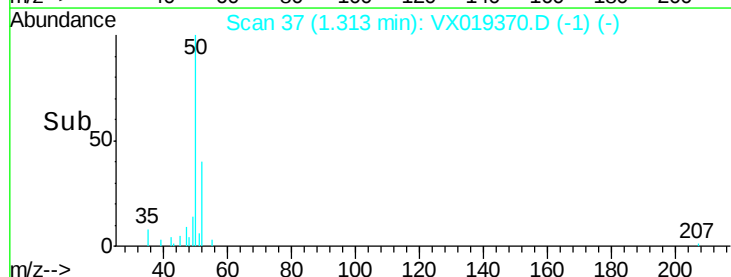
1500

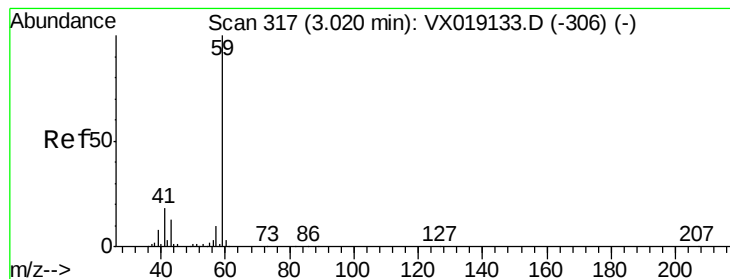
1000

500

0

Time-->



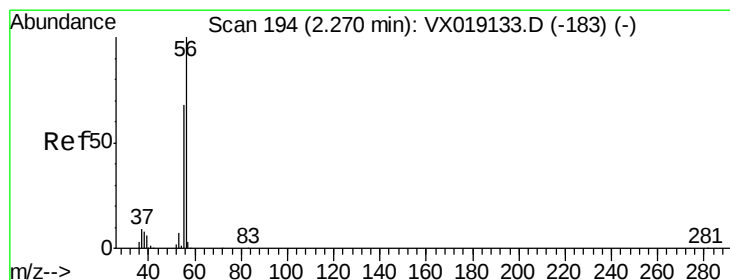
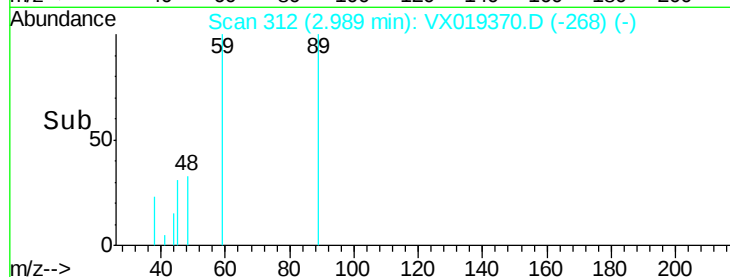
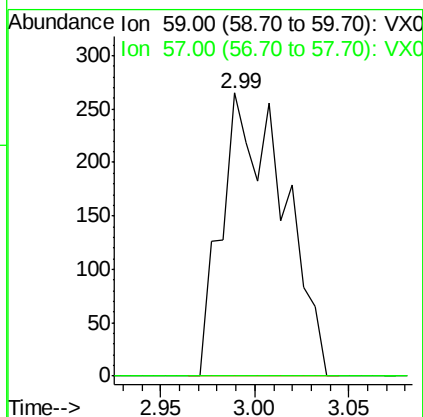
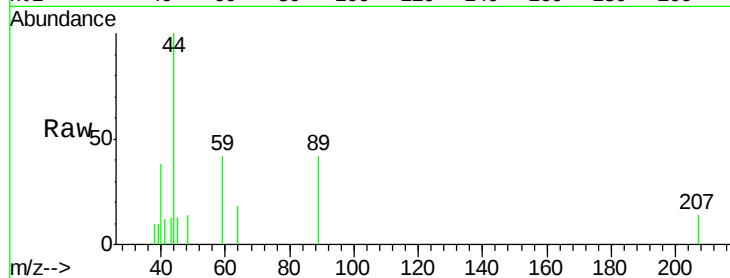


#11

Tert butyl alcohol
 Concen: 0.811 ug/l
 RT: 2.99 min Scan# 312
 Delta R.T. -0.03 min
 Lab File: VX019370.D
 Acq: 09 Nov 2020 16:06

Instrument :
 MSVOA_X
 ClientSampled :

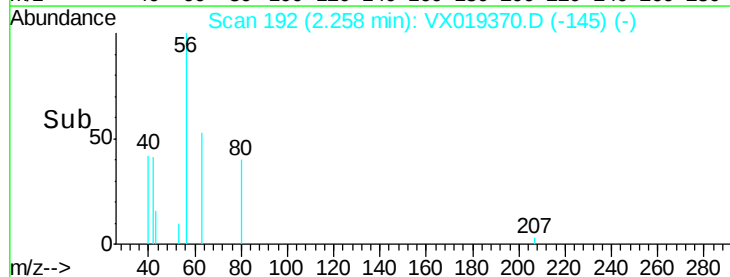
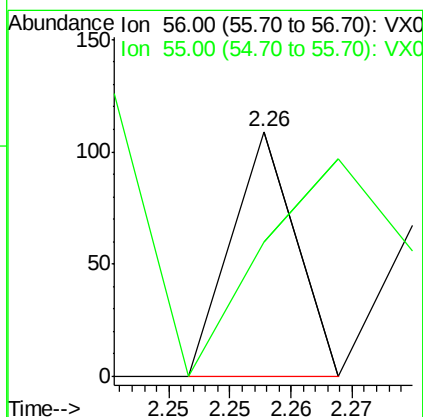
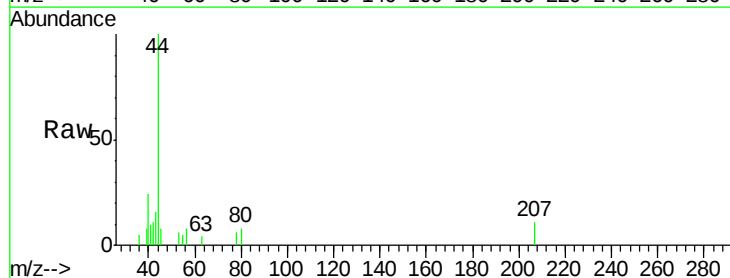
Tot Ion: 59 Resp: 603
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

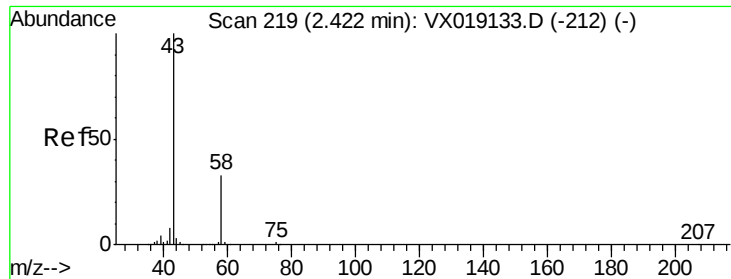


#13

Acrolein
 Concen: 5.765 ug/l
 RT: 2.26 min Scan# 192
 Delta R.T. -0.01 min
 Lab File: VX019370.D
 Acq: 09 Nov 2020 16:06

Tgt Ion: 56 Resp: 40
 Ion Ratio Lower Upper
 56 100
 55 195.0 54.7 82.1#





#16

Acetone

Concen: 3.933 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019370.D

Acq: 09 Nov 2020 16:06

Instrument :

MSVOA_X

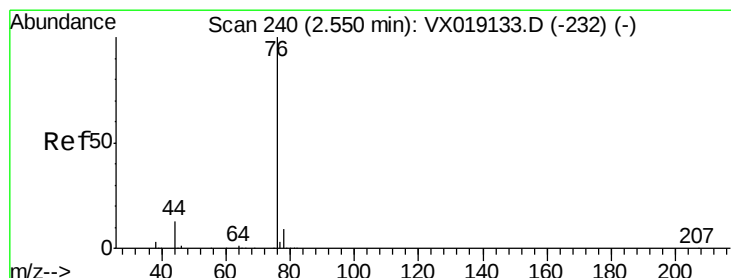
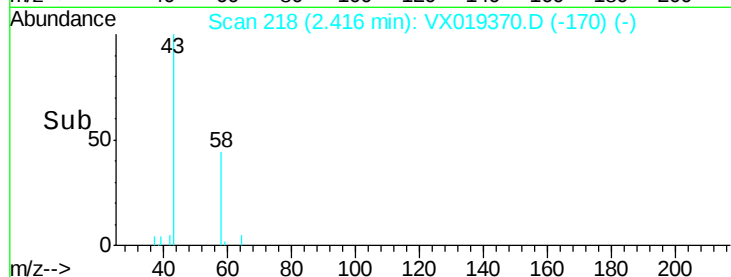
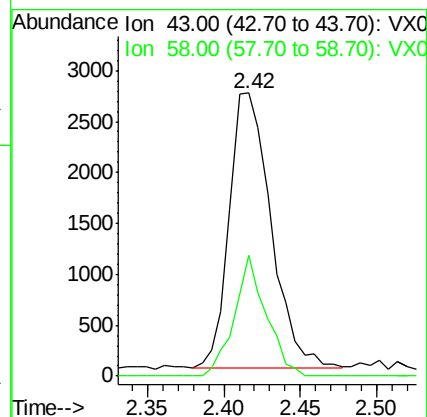
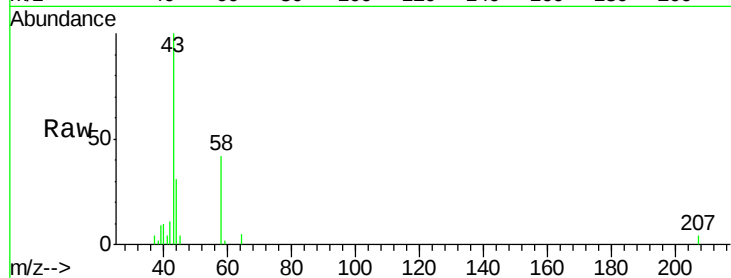
ClientSampled :

Tot Ion: 43 Resp: 5108

Ion Ratio Lower Upper

43 100

58 43.8 26.3 39.5#



#17

Carbon Disulfide

Concen: 0.807 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019370.D

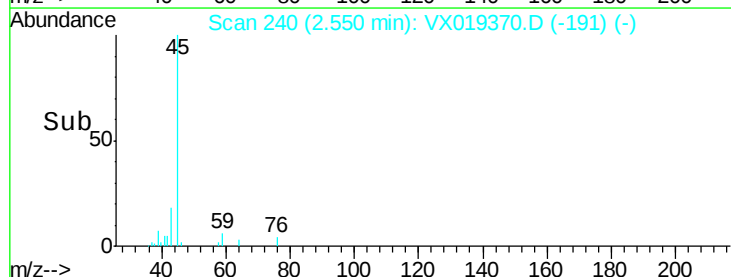
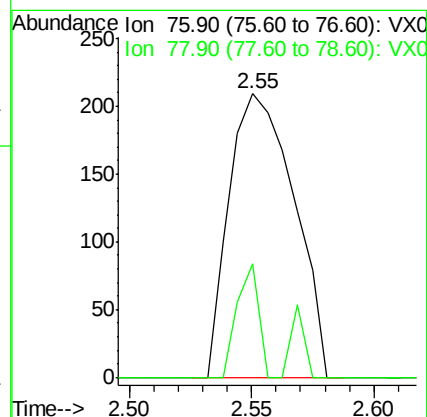
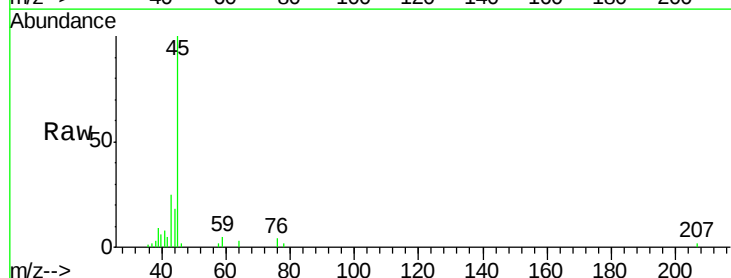
Acq: 09 Nov 2020 16:06

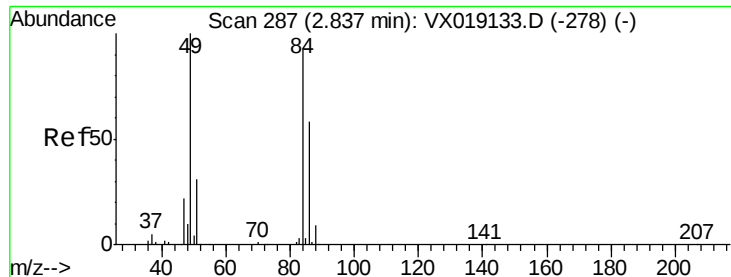
Tgt Ion: 76 Resp: 386

Ion Ratio Lower Upper

76 100

78 40.2 7.3 10.9#

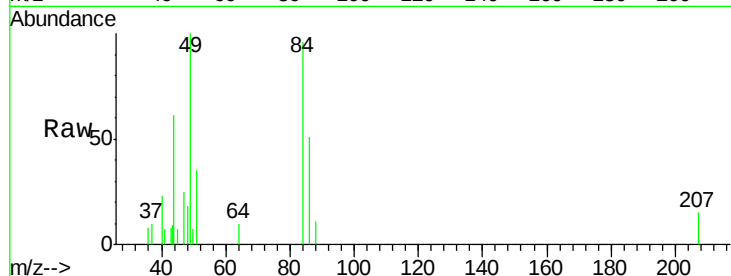




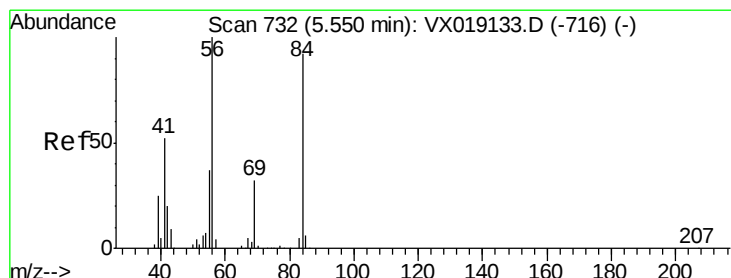
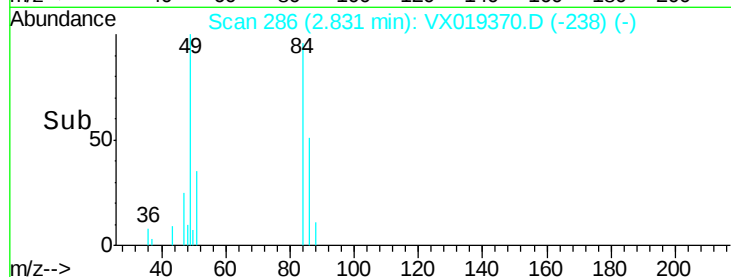
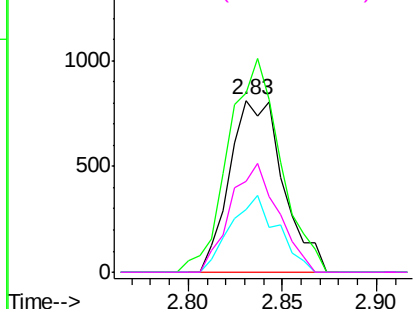
#20
Methvlene Chloride
Concen: 0.490 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX019370.D
Acq: 09 Nov 2020 16:06

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 84 Resp: 1599
Ion Ratio Lower Upper
84 100
49 103.9 86.8 130.2
51 36.7 27.3 40.9
86 52.8 50.6 76.0

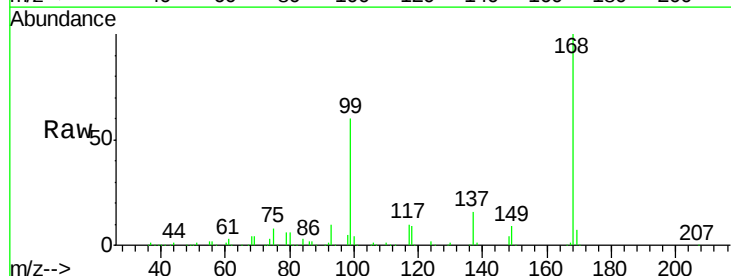


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

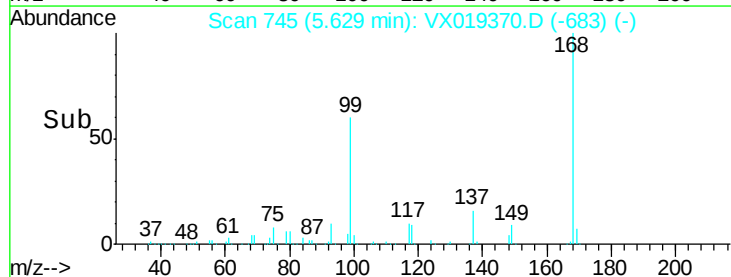
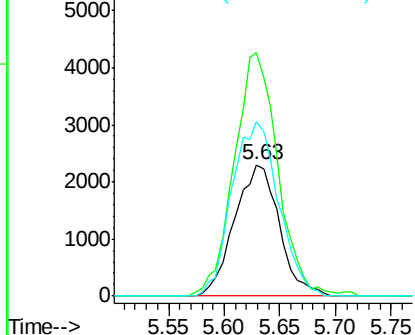


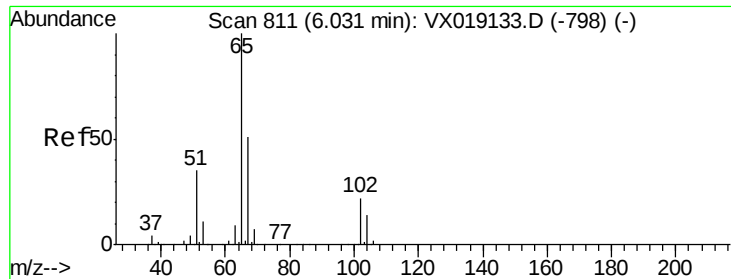
#31
Cyclohexane
Concen: 1.350 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX019370.D
Acq: 09 Nov 2020 16:06

Tgt Ion: 56 Resp: 6423
Ion Ratio Lower Upper
56 100
69 185.8 25.9 38.9#
84 132.8 73.4 110.2#



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

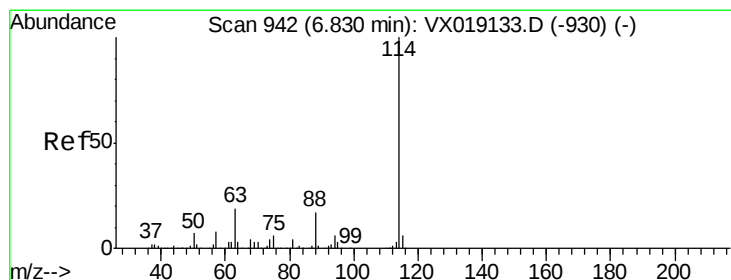
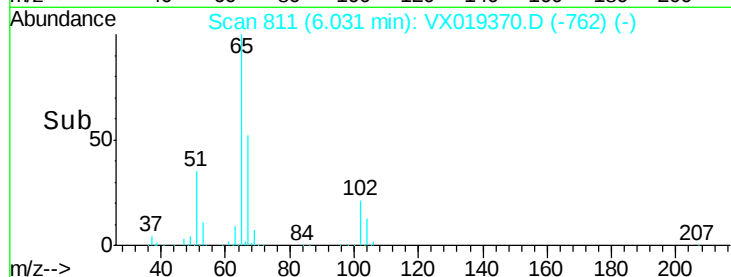
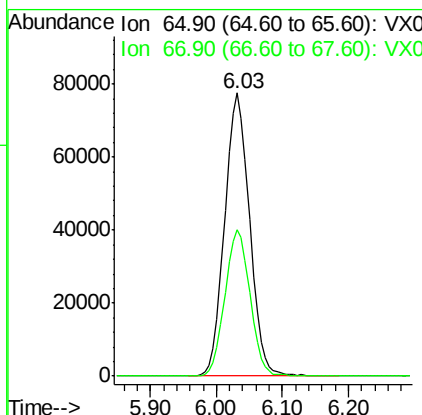
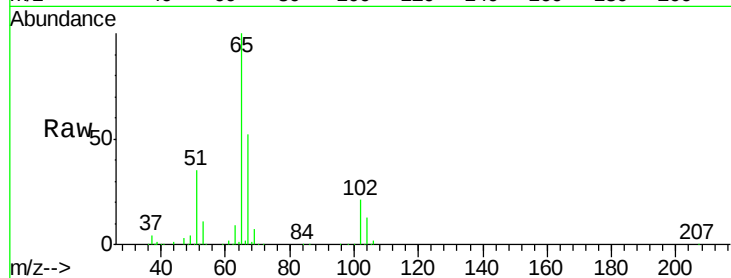




#33
 1,2-Dichloroethane-d4
 Concen: 53.857 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX019370.D
 Acq: 09 Nov 2020 16:06

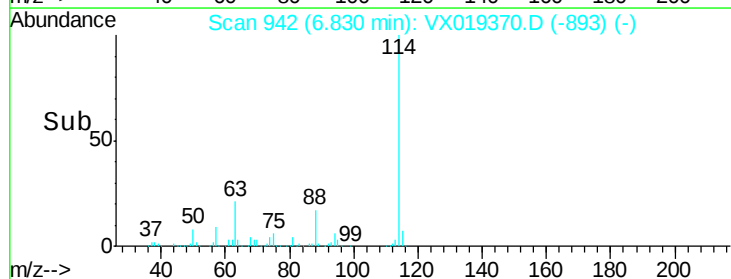
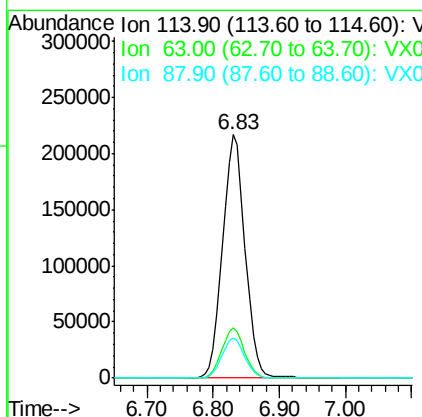
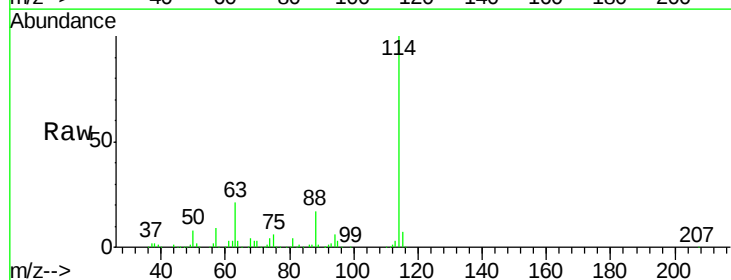
Instrument :
 MSVOA_X
 ClientSampleId :

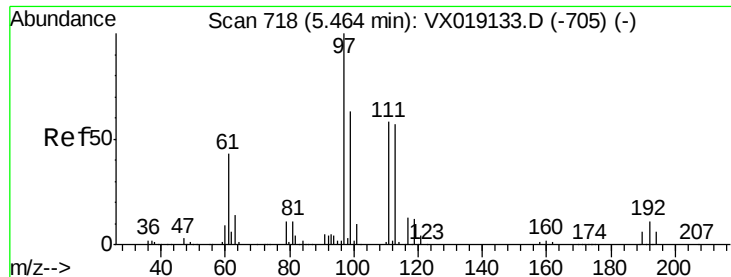
Tot Ion: 65 Resp: 202778
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX019370.D
 Acq: 09 Nov 2020 16:06

Tgt Ion: 114 Resp: 510093
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 38.8
 88 16.5 0.0 34.2





#35

Dibromofluoromethane

Concen: 49.468 ug/l

RT: 5.46 min Scan# 718

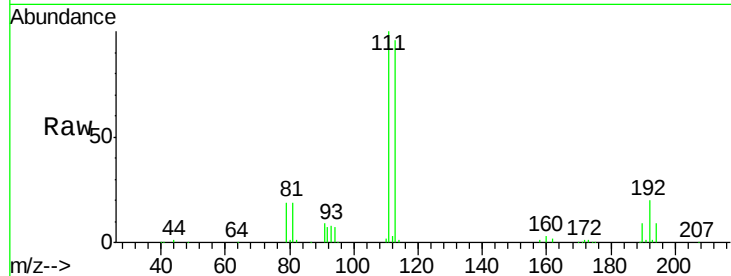
Delta R.T. 0.00 min

Lab File: VX019370.D

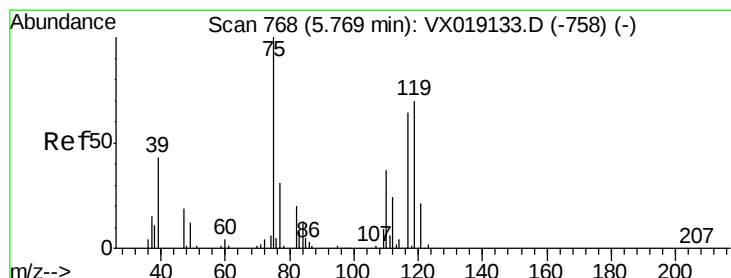
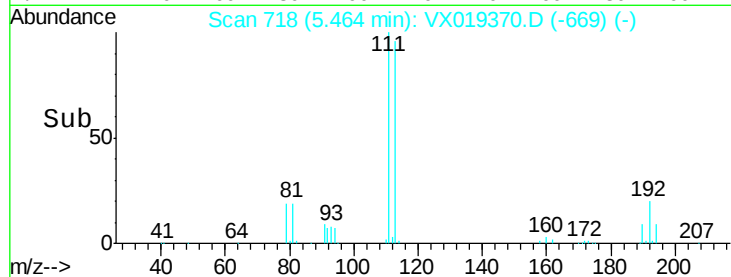
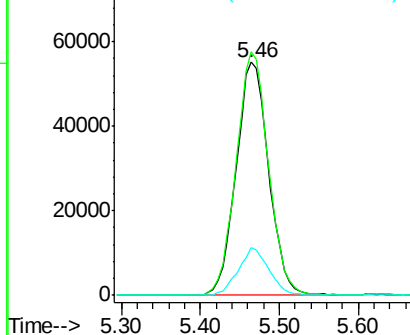
Acq: 09 Nov 2020 16:06

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	113	Resp:	158499
Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.3	123.5
192	19.1	16.2	24.2



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: 5.040 ug/l

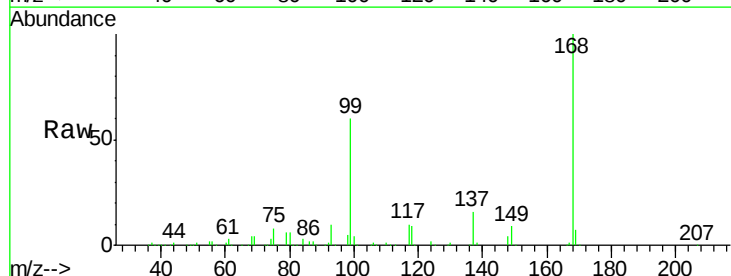
RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

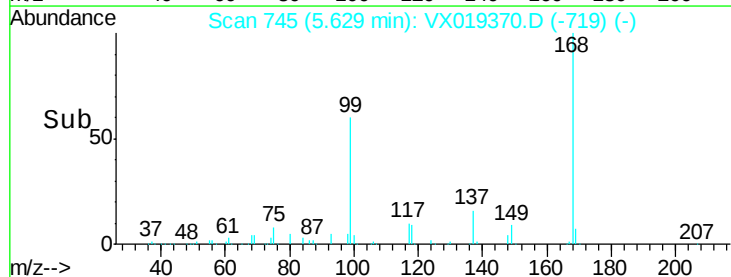
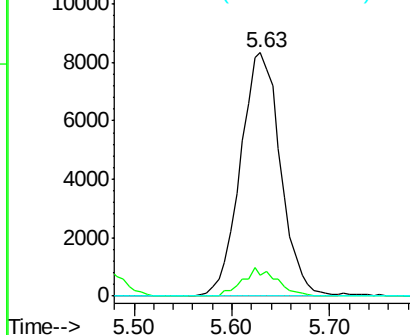
Lab File: VX019370.D

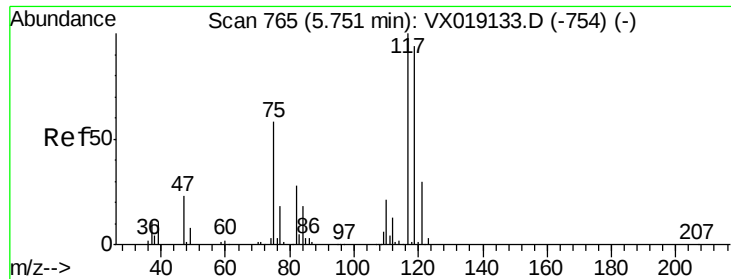
Acq: 09 Nov 2020 16:06

Tgt Ion:	75	Resp:	23740
Ion	Ratio	Lower	Upper
75	100		
110	9.9	18.3	54.9#
77	0.0	24.9	37.3#



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

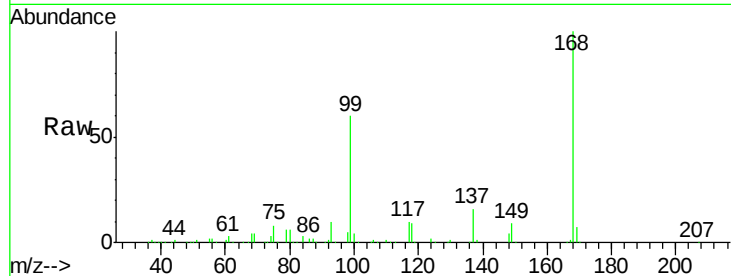




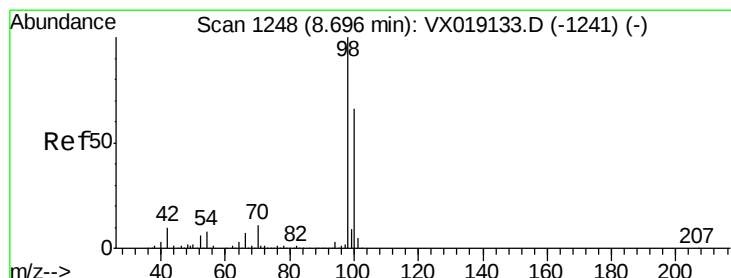
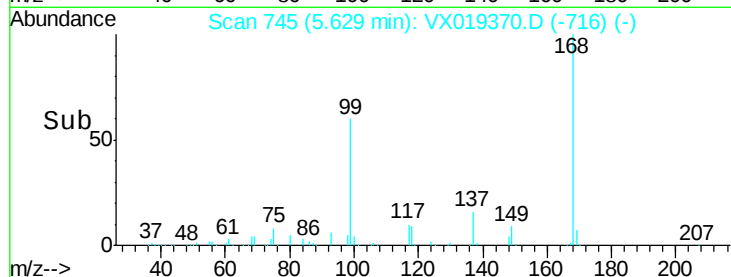
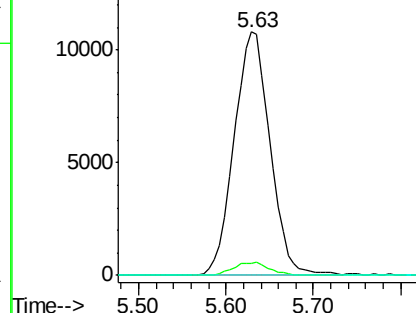
#38
Carbon Tetrachloride
Concen: 6.409 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.12 min
Lab File: VX019370.D
Acq: 09 Nov 2020 16:06

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 30769
Ion Ratio Lower Upper
117 100
119 4.7 75.0 112.6#
121 0.0 23.9 35.9#

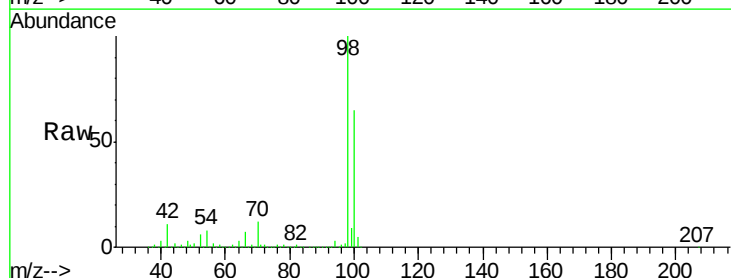


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

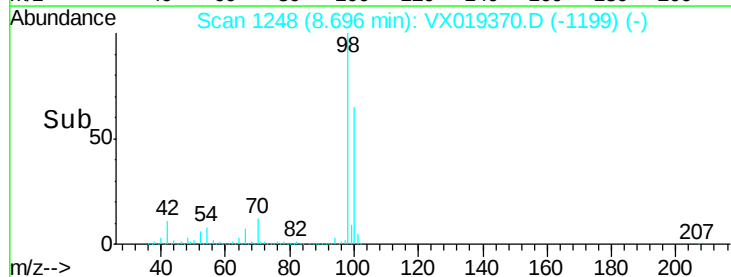
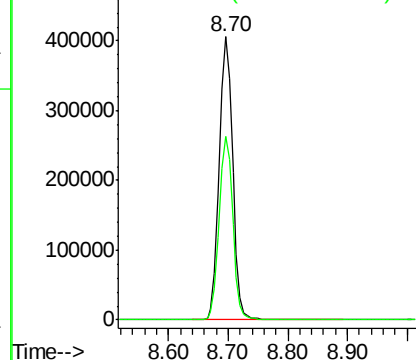


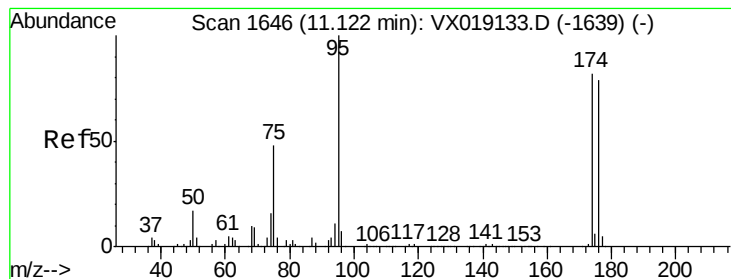
#50
Toluene-d8
Concen: 52.160 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019370.D
Acq: 09 Nov 2020 16:06

Tgt Ion: 98 Resp: 630008
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.6



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





#62

4-Bromofluorobenzene

Concen: 53.932 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019370.D

Acq: 09 Nov 2020 16:06

Instrument :

MSVOA_X

ClientSampled :

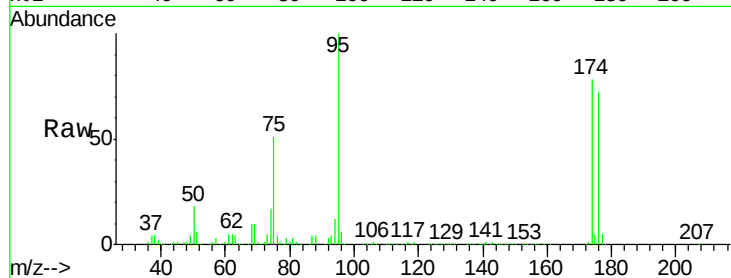
Tot Ion: 95 Resp: 246691

Ion Ratio Lower Upper

95 100

174 75.5 0.0 156.0

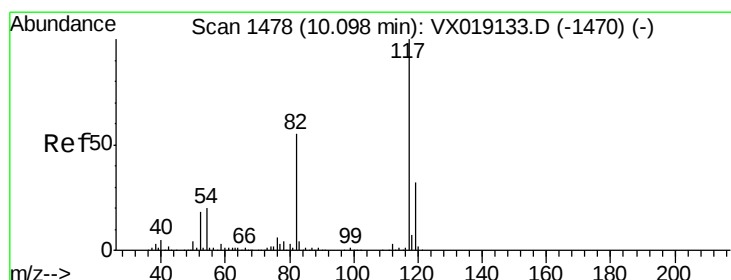
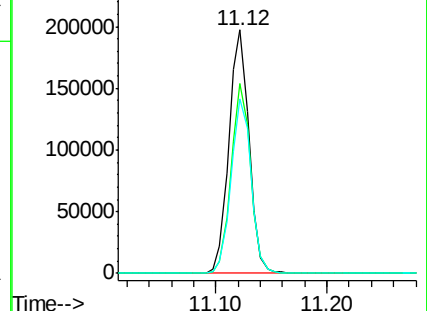
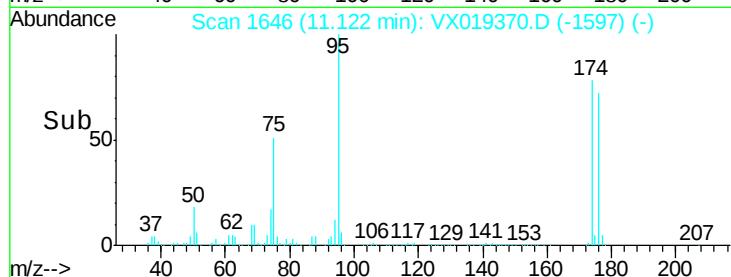
176 71.5 0.0 149.8



Abundance Ion 94.90 (94.60 to 95.60): VX019370.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX019370.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX019370.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX019370.D

Acq: 09 Nov 2020 16:06

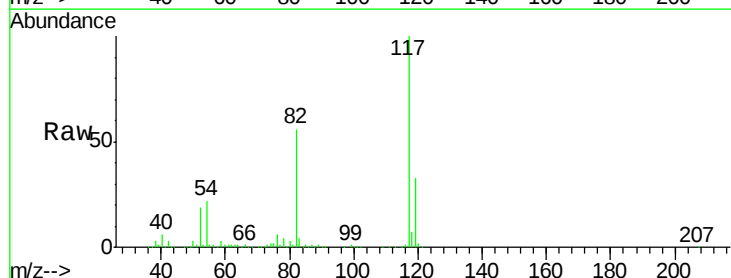
Tgt Ion: 117 Resp: 481887

Ion Ratio Lower Upper

117 100

82 56.2 43.6 65.4

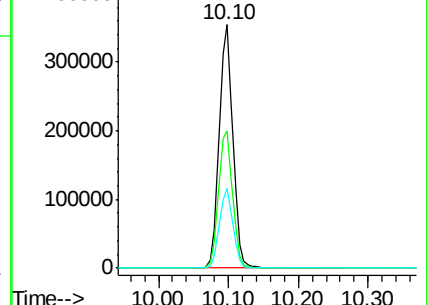
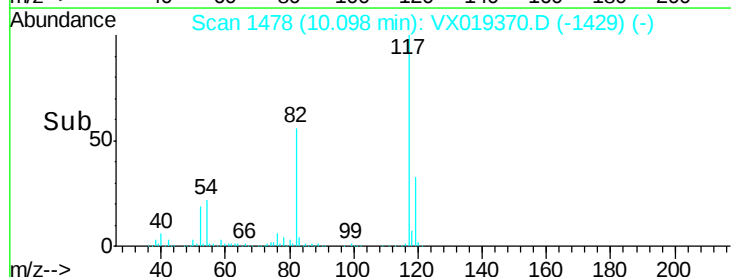
119 32.6 25.5 38.3

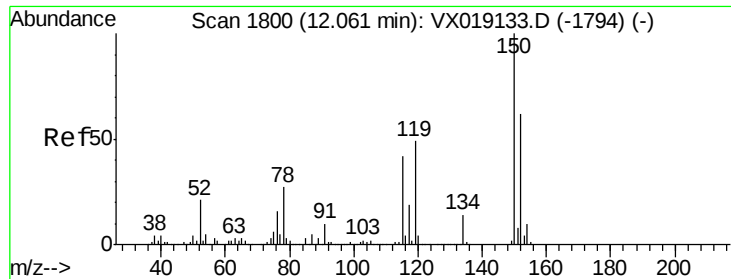


Abundance Ion 116.90 (116.60 to 117.60): VX019370.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX019370.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX019370.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX019370.D

Acq: 09 Nov 2020 16:06

Instrument :

MSVOA_X

ClientSampleId :

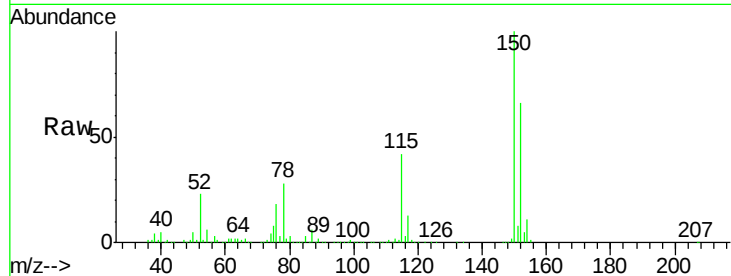
Tot Ion:152 Resp: 248344

Ion Ratio Lower Upper

152 100

115 61.6 41.9 125.7

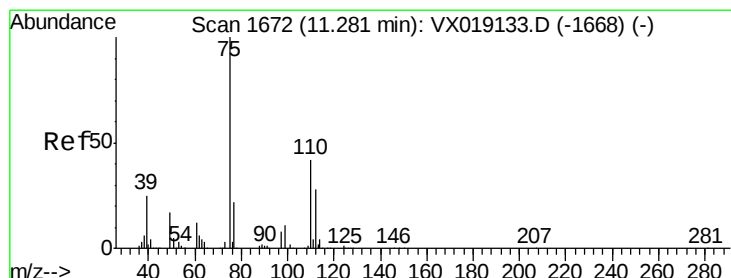
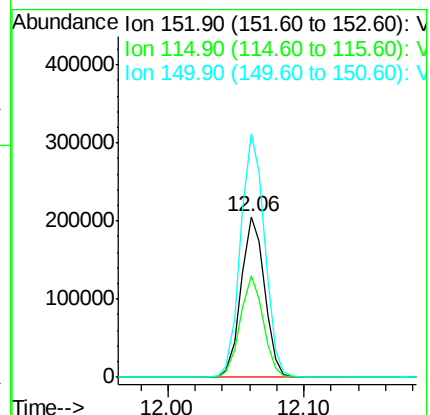
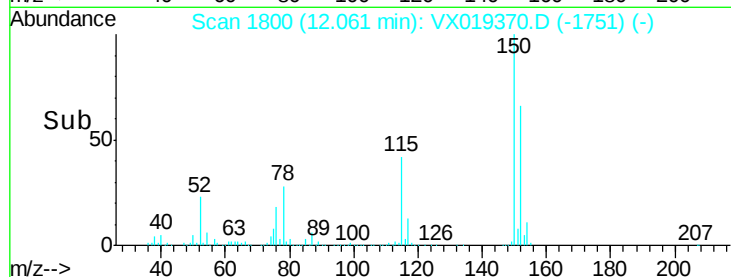
150 154.9 0.0 347.8



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: 24.628 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019370.D

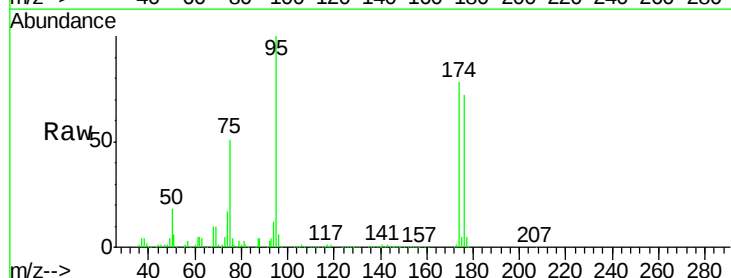
Acq: 09 Nov 2020 16:06

Tgt Ion: 75 Resp: 126288

Ion Ratio Lower Upper

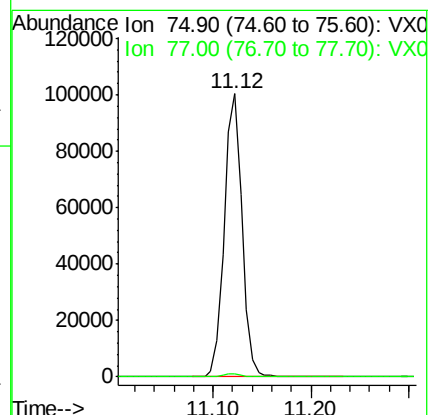
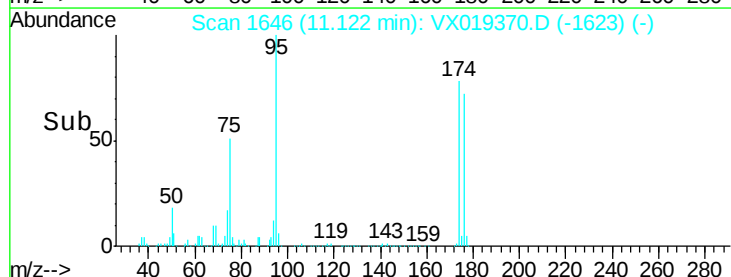
75 100

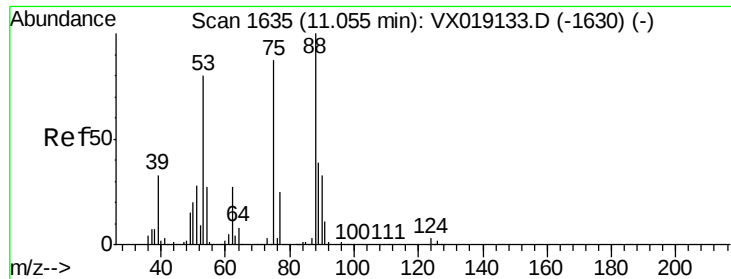
77 1.2 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

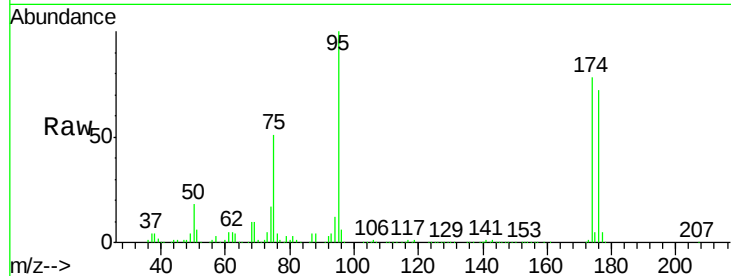




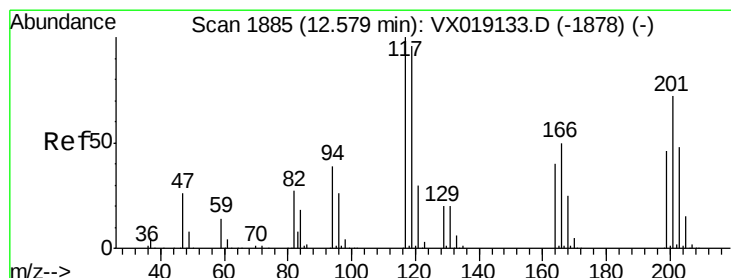
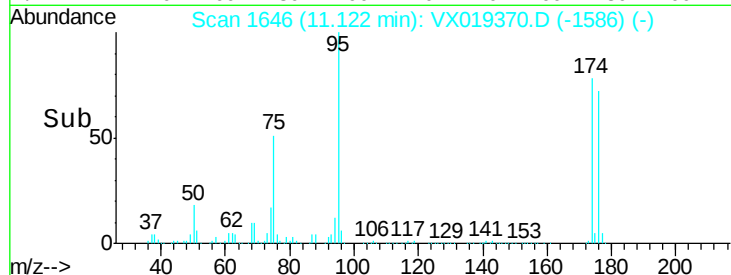
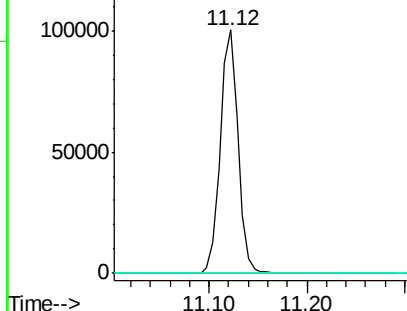
#81
trans-1,4-Dichloro-2-butene
Concen: 64.846 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX019370.D
Acq: 09 Nov 2020 16:06

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 126288
Ion Ratio Lower Upper
75 100
53 0.0 73.3 109.9#
89 0.0 38.2 57.2#

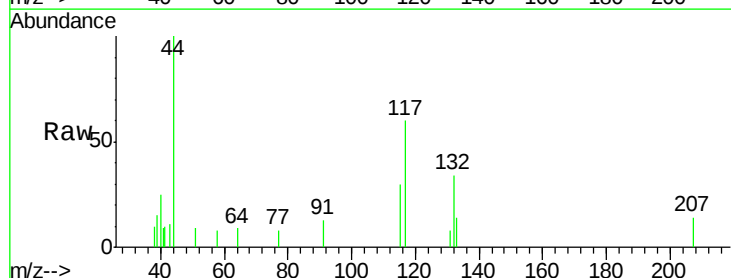


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#90
Hexachloroethane
Concen: 0.202 ug/l
RT: 12.68 min Scan# 1902
Delta R.T. 0.10 min
Lab File: VX019370.D
Acq: 09 Nov 2020 16:06

Tgt Ion: 117 Resp: 541
Ion Ratio Lower Upper
117 100
201 0.0 38.5 115.3#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

