

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042920\
 Data File : VX015970.D
 Acq On : 29 Apr 2020 12:27
 Operator : JC/SP
 Sample : VX0429WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 30 05:32:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042820W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 17:30:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	281084	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	443938	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	415739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	207426	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	171266	46.60	ug/l	0.00
Spiked Amount			Recovery	=	93.20%	
35) Dibromofluoromethane	5.46	113	130400	47.09	ug/l	0.00
Spiked Amount			Recovery	=	94.18%	
50) Toluene-d8	8.70	98	531777	51.36	ug/l	0.00
Spiked Amount			Recovery	=	102.72%	
62) 4-Bromofluorobenzene	11.12	95	208001	51.22	ug/l	0.00
Spiked Amount			Recovery	=	102.44%	

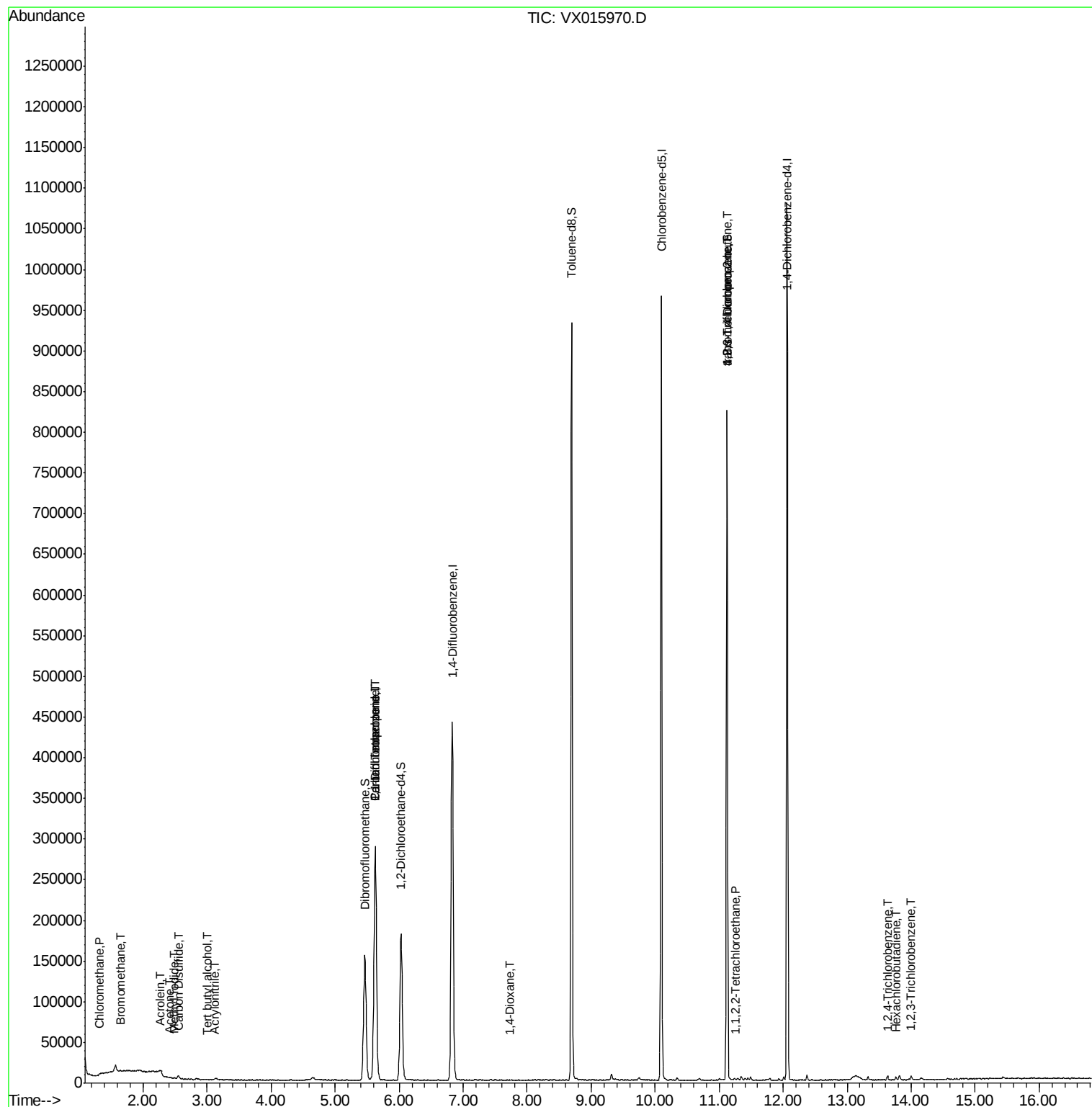
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1212	0.398	ug/l	91
5) Bromomethane	1.64	94	783	0.337	ug/l	99
10) Methyl Iodide	2.50	142	1055	0.290	ug/l	93
11) Tert butyl alcohol	3.00	59	395	0.443	ug/l	99
13) Acrolein	2.28	56	431	1.922	ug/l #	46
15) Acrylonitrile	3.11	53	980	0.554	ug/l #	70
16) Acetone	2.42	43	712	0.453	ug/l #	84
17) Carbon Disulfide	2.55	76	5070	0.393	ug/l	98
36) 1,1-Dichloropropene	5.62	75	21874	5.173	ug/l #	50
38) Carbon Tetrachloride	5.62	117	26942	6.033	ug/l #	16
49) 1,4-Dioxane	7.72	88	20	0.229	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.26	83	56	3.717	ug/l #	25
76) 1,2,3-Trichloropropane	11.12	75	108903	25.021	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.12	75	108903	59.128	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.63	180	1314	0.276	ug/l	98
94) Hexachlorobutadiene	13.76	225	495	0.233	ug/l	90
96) 1,2,3-Trichlorobenzene	14.00	180	1067	0.233	ug/l	98

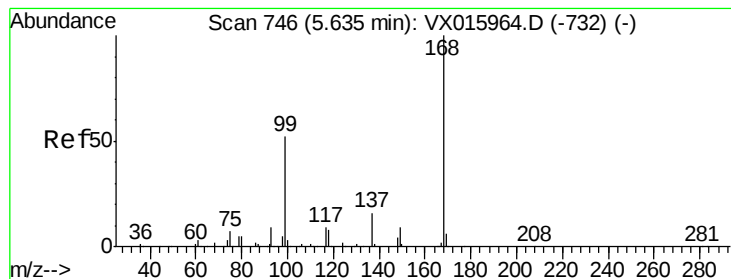
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampled :

Quant Time: Apr 30 05:32:48 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042820W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 28 17:30:11 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: VX015970.D

Acq: 29 Apr 2020 12:27

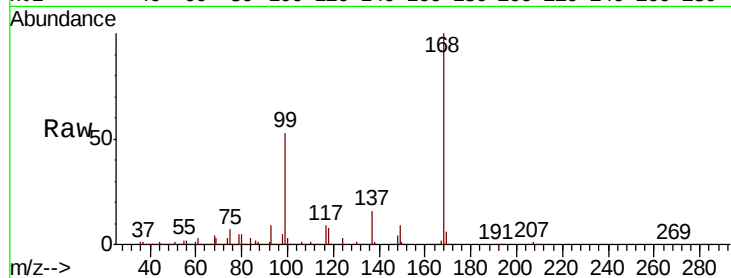
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 281084

Ion Ratio Lower Upper

168 100

99 53.3 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

40000

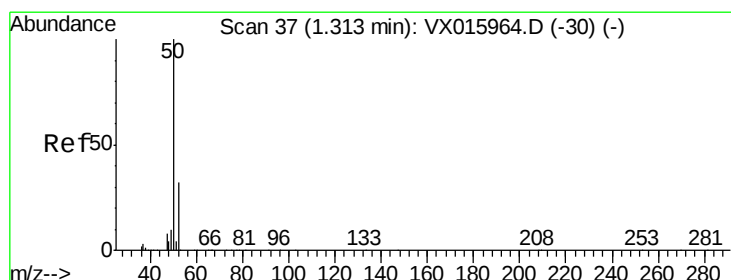
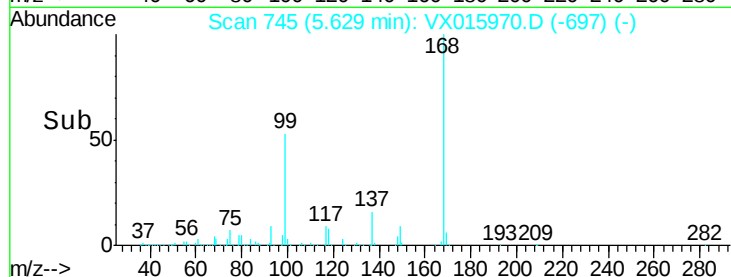
20000

0

5.63

5.50 5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: 0.398 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX015970.D

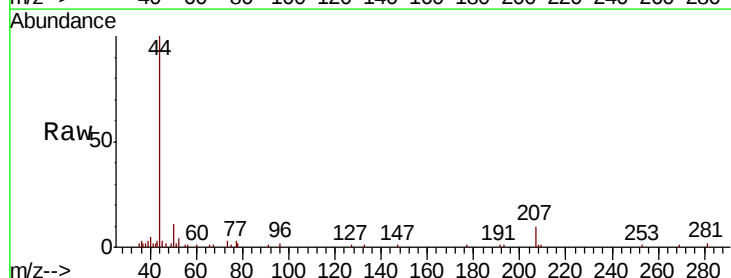
Acq: 29 Apr 2020 12:27

Tgt Ion: 50 Resp: 1212

Ion Ratio Lower Upper

50 100

52 37.1 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

800

600

400

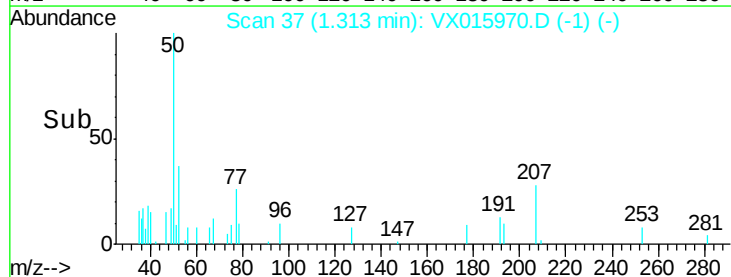
200

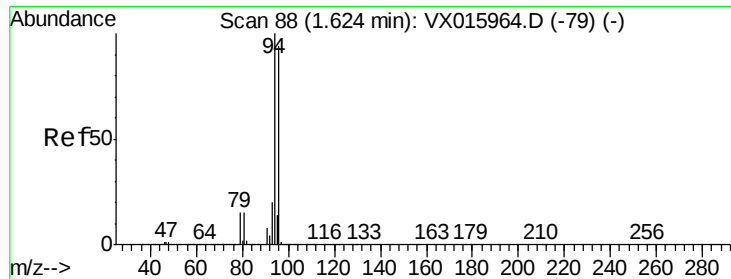
0

1.31

1.25 1.30 1.35

Time-->





#5

Bromomethane

Concen: 0.337 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX015970.D

Acq: 29 Apr 2020 12:27

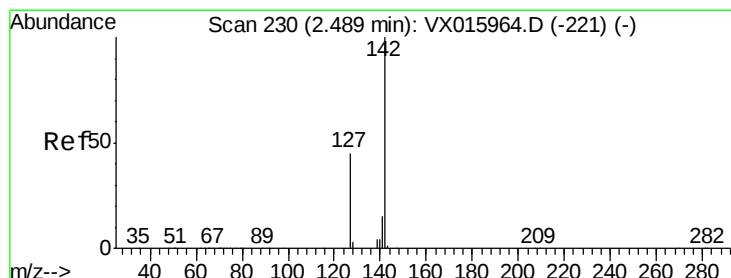
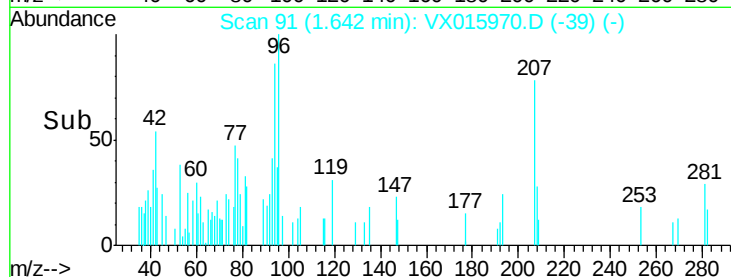
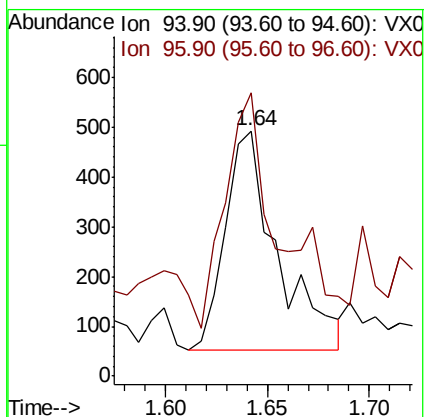
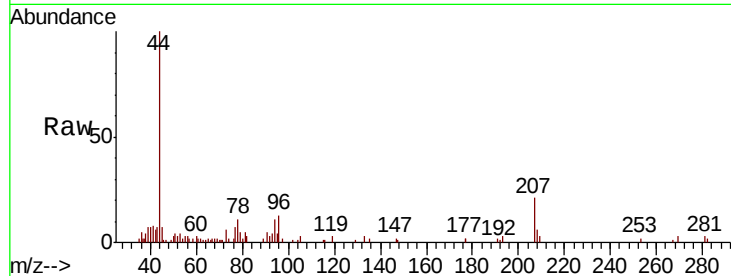
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 94 Resp: 783

Ion Ratio Lower Upper

94 100

96 92.7 74.9 112.3



#10

Methyl Iodide

Concen: 0.290 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX015970.D

Acq: 29 Apr 2020 12:27

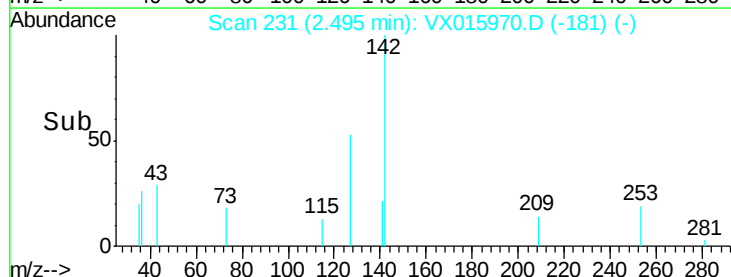
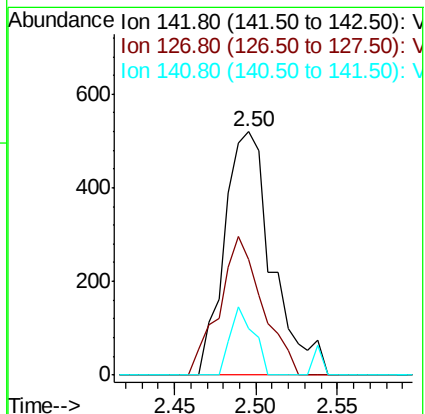
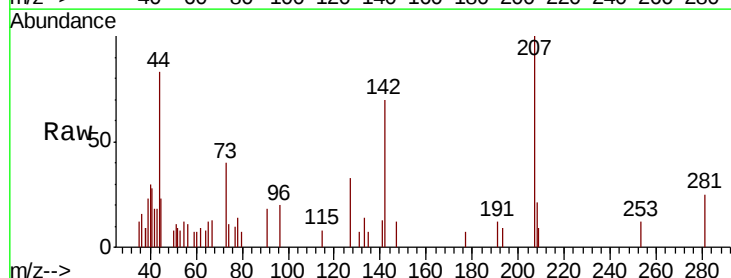
Tgt Ion: 142 Resp: 1055

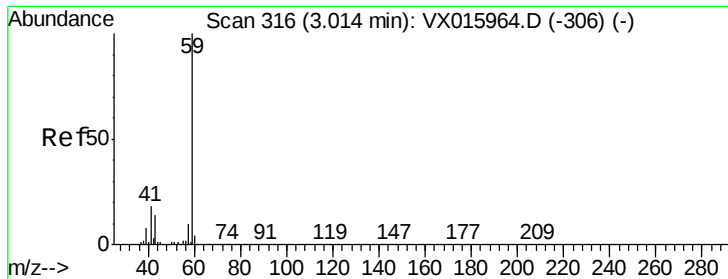
Ion Ratio Lower Upper

142 100

127 51.2 36.5 54.7

141 13.7 11.6 17.4

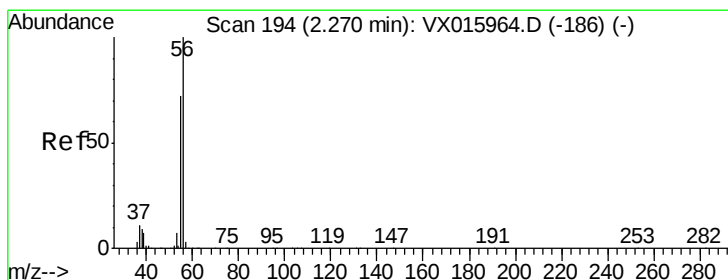
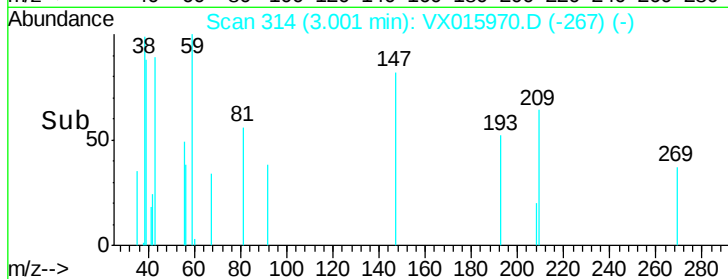
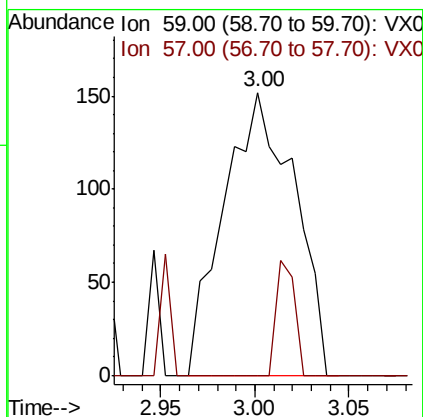
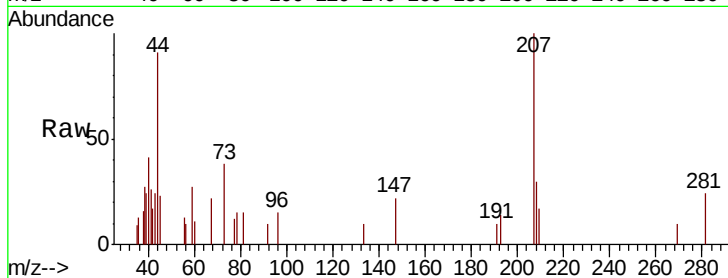




#11
Tert butyl alcohol
Concen: 0.443 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX015970.D
Acq: 29 Apr 2020 12:27

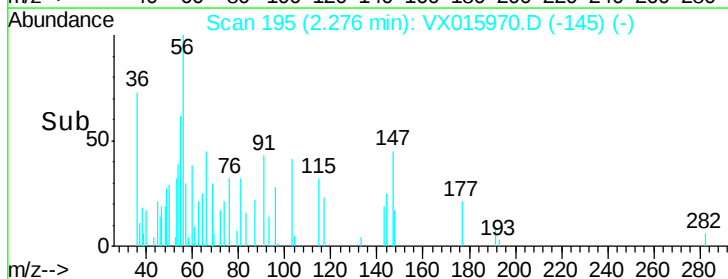
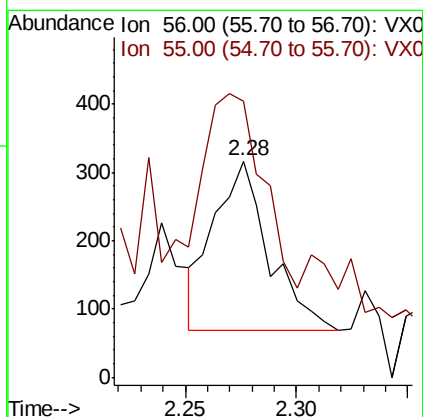
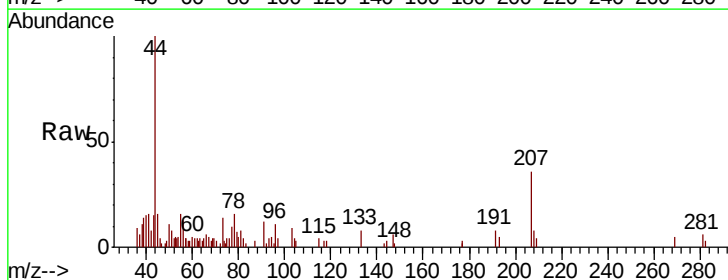
Instrument :
MSVOA_X
ClientSampled :

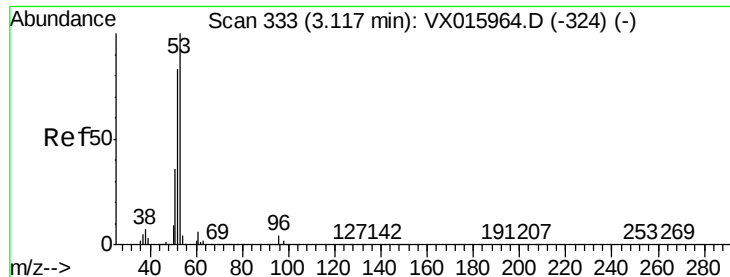
Tot Ion: 59 Resp: 395
Ion Ratio Lower Upper
59 100
57 10.6 8.3 12.5



#13
Acrolein
Concen: 1.922 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX015970.D
Acq: 29 Apr 2020 12:27

Tgt Ion: 56 Resp: 431
Ion Ratio Lower Upper
56 100
55 115.5 56.9 85.3#

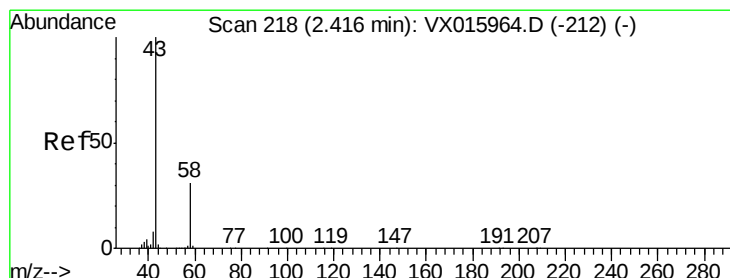
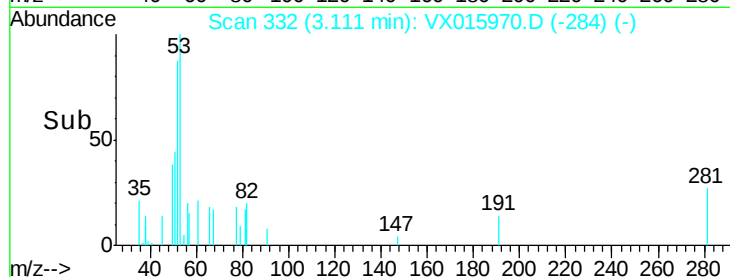
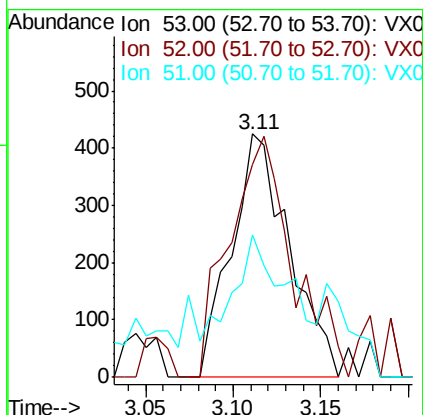
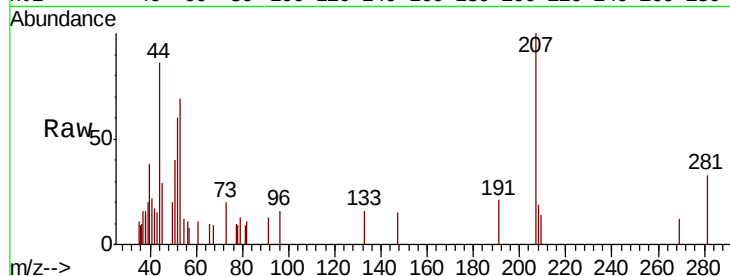




#15
 Acrylonitrile
 Concen: 0.554 ug/l
 RT: 3.11 min Scan# 332
 Delta R.T. -0.01 min
 Lab File: VX015970.D
 Acq: 29 Apr 2020 12:27

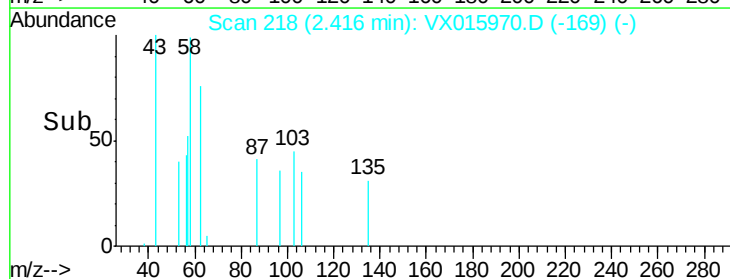
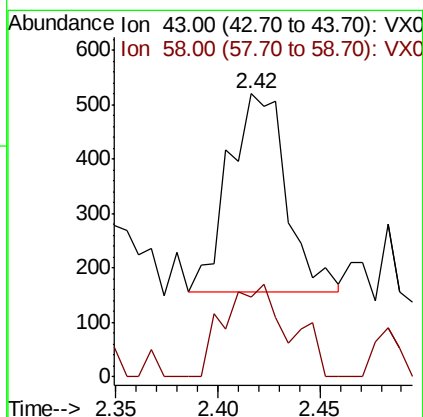
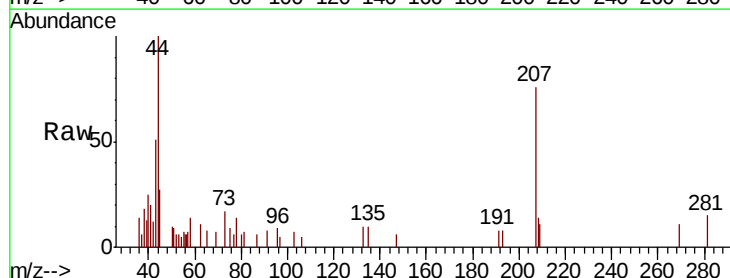
Instrument :
 MSVOA_X
 ClientSampled :

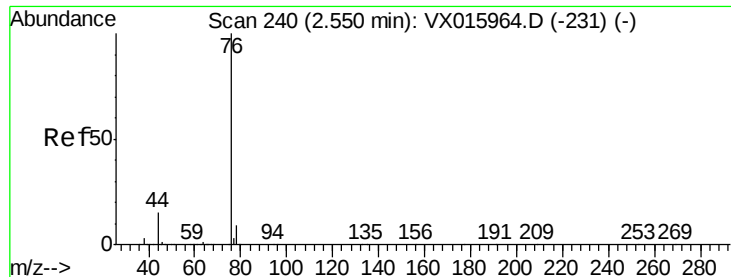
Tot Ion: 53 Resp: 980
 Ion Ratio Lower Upper
 53 100
 52 109.2 65.5 98.3#
 51 53.7 28.7 43.1#



#16
 Acetone
 Concen: 0.453 ug/l
 RT: 2.42 min Scan# 218
 Delta R.T. 0.00 min
 Lab File: VX015970.D
 Acq: 29 Apr 2020 12:27

Tgt Ion: 43 Resp: 712
 Ion Ratio Lower Upper
 43 100
 58 40.2 25.1 37.7#

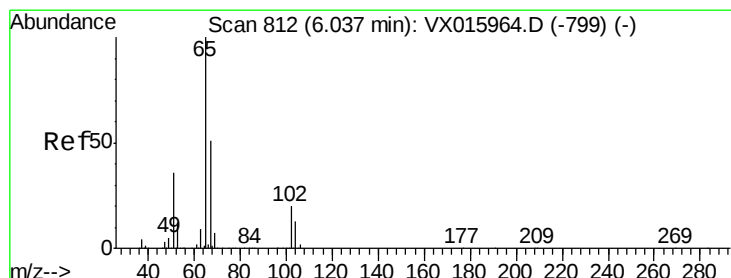
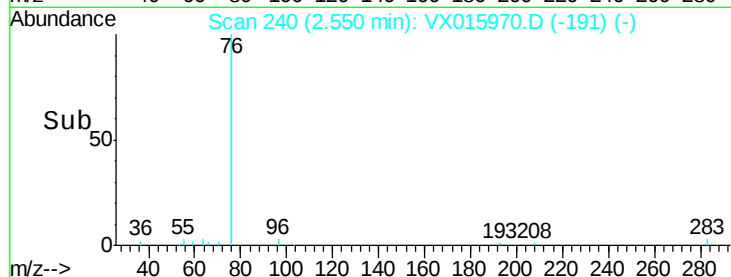
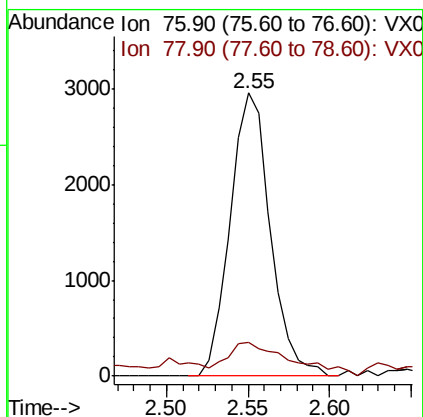
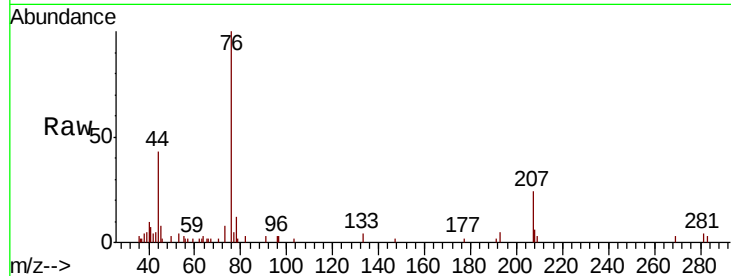




#17
Carbon Disulfide
Concen: 0.393 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX015970.D
Acq: 29 Apr 2020 12:27

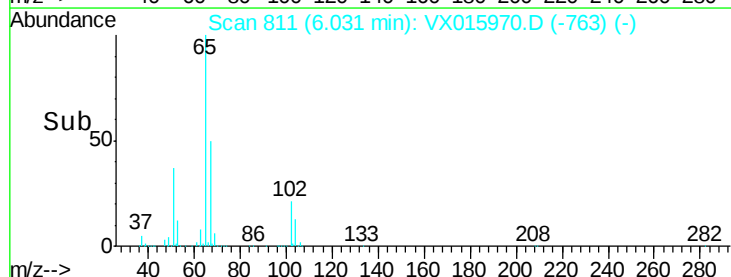
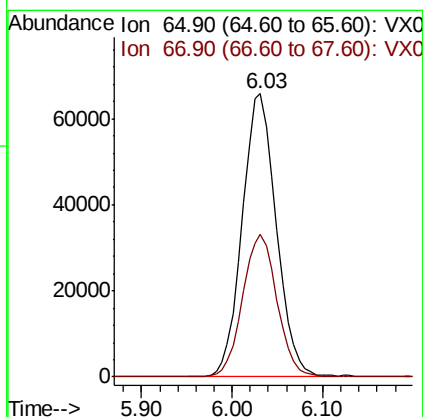
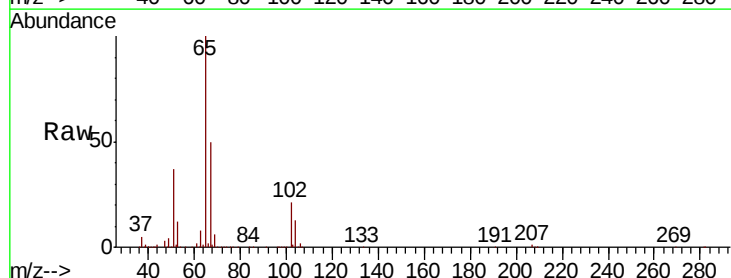
Instrument :
MSVOA_X
ClientSampleId :

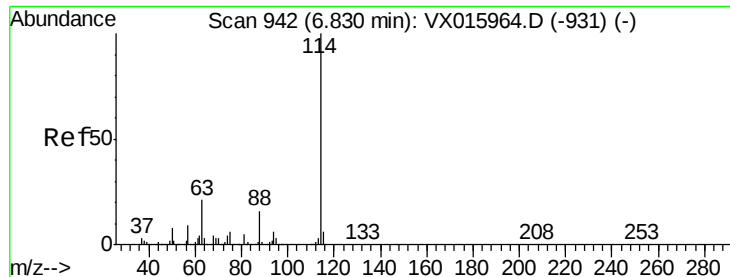
Tot Ion: 76 Resp: 5070
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.0



#33
1,2-Dichloroethane-d4
Concen: 46.602 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.01 min
Lab File: VX015970.D
Acq: 29 Apr 2020 12:27

Tgt Ion: 65 Resp: 171266
Ion Ratio Lower Upper
65 100
67 50.7 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX015970.D

Acq: 29 Apr 2020 12:27

Instrument :

MSVOA_X

ClientSampleId :

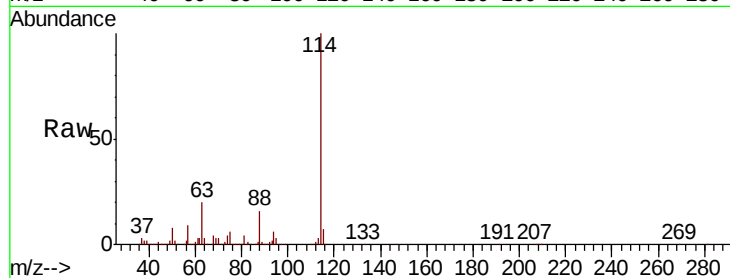
Tot Ion:114 Resp: 443938

Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.2

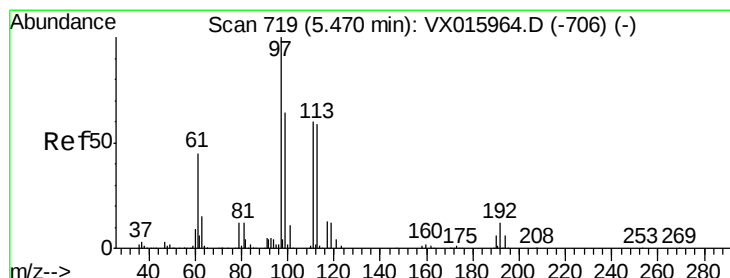
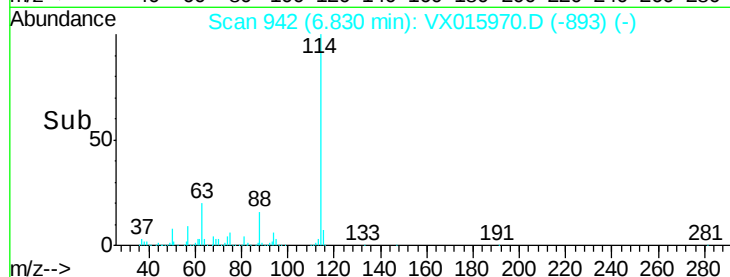
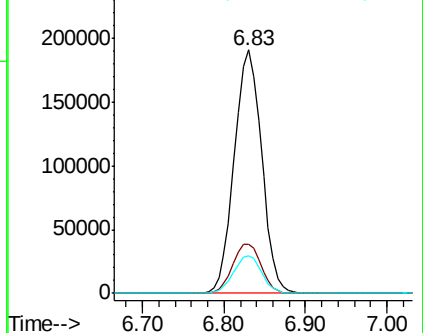
88 15.6 0.0 31.8



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: 47.088 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX015970.D

Acq: 29 Apr 2020 12:27

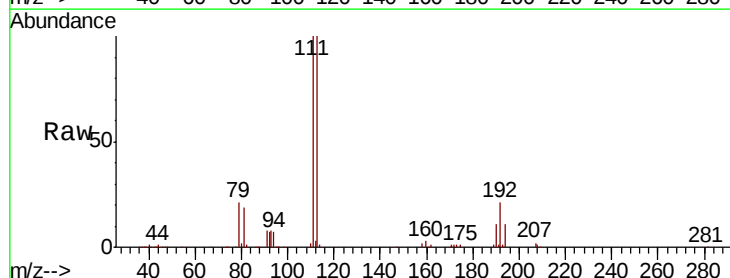
Tgt Ion:113 Resp: 130400

Ion Ratio Lower Upper

113 100

111 102.3 81.8 122.8

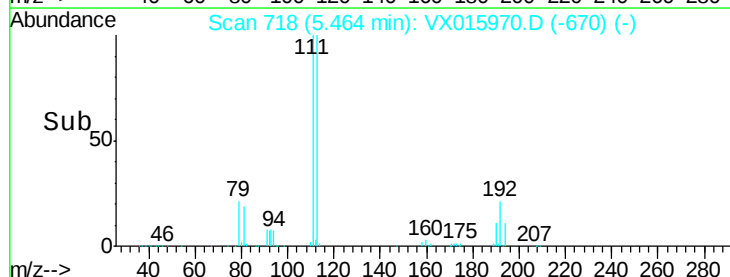
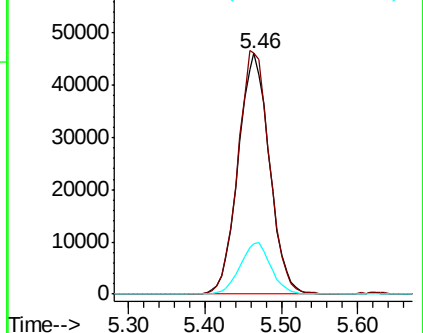
192 21.2 16.8 25.2

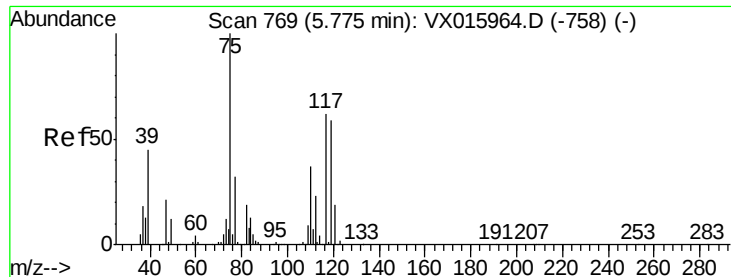


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.173 ug/l

RT: 5.62 min Scan# 744

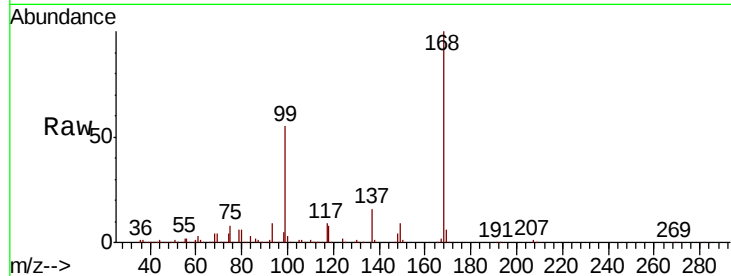
Delta R.T. -0.15 min

Lab File: VX015970.D

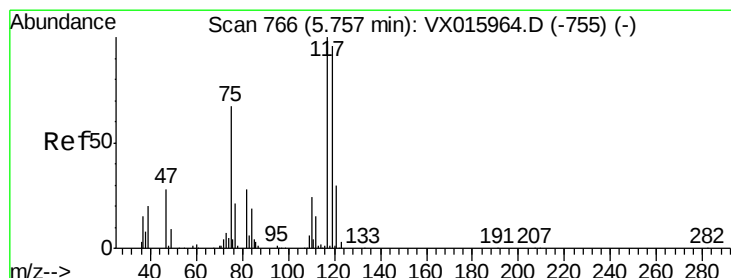
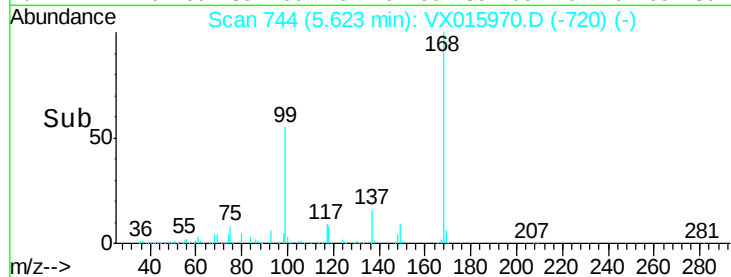
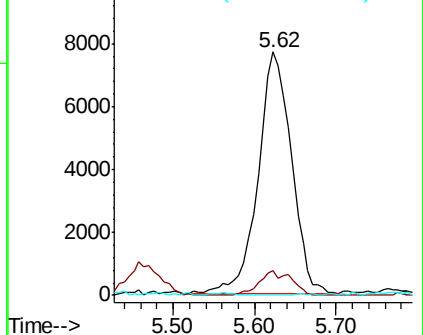
Acq: 29 Apr 2020 12:27

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	75	Resp:	21874
Ion	Ratio	Lower	Upper
75	100		
110	9.8	17.9	53.7#
77	0.0	25.2	37.8#



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: 6.033 ug/l

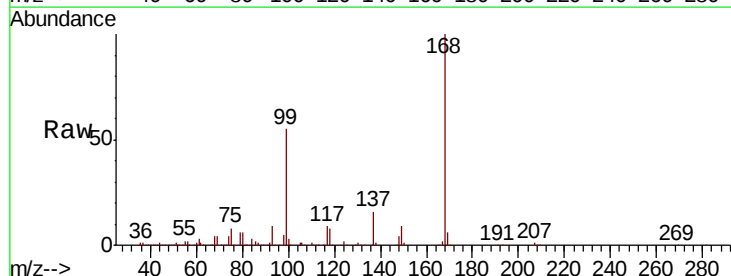
RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

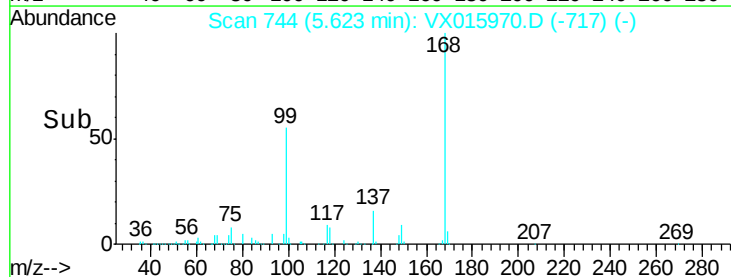
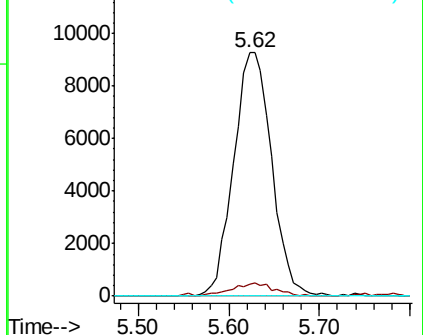
Lab File: VX015970.D

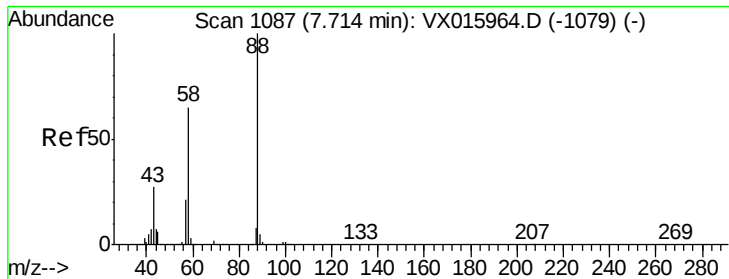
Acq: 29 Apr 2020 12:27

Tgt Ion:	117	Resp:	26942
Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.2	114.4#
121	0.0	24.2	36.4#



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

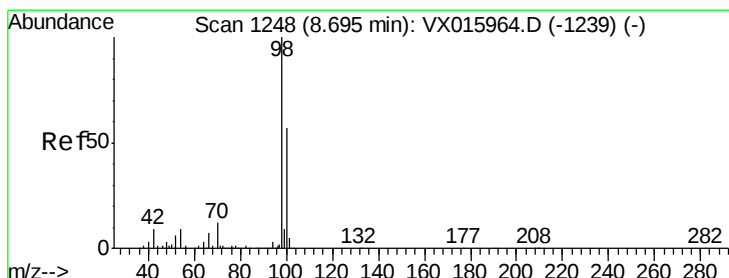
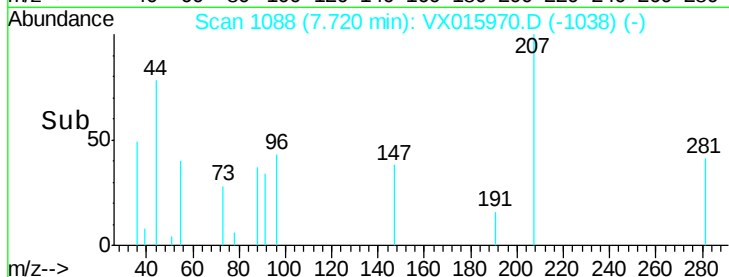
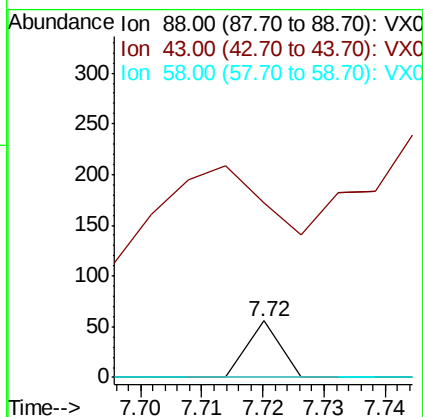
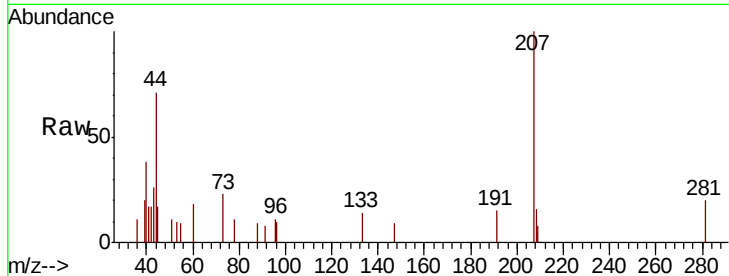




#49
1,4-Dioxane
Concen: 0.229 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX015970.D
Acq: 29 Apr 2020 12:27

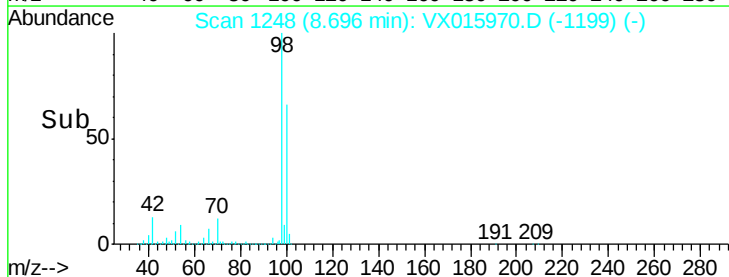
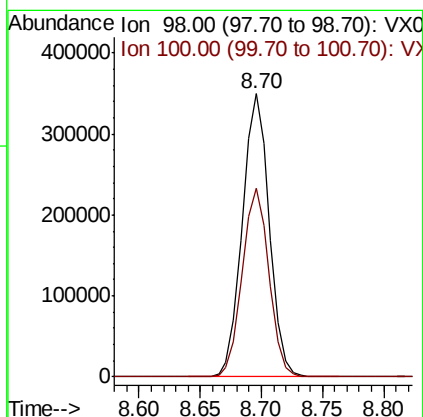
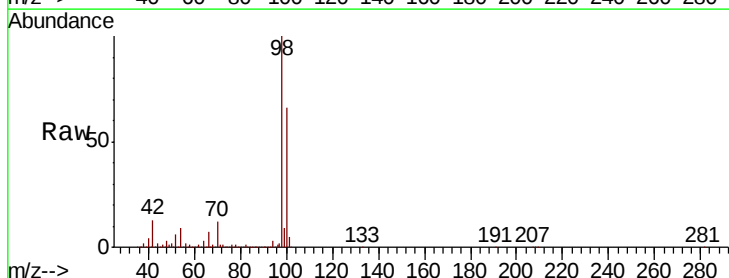
Instrument :
MSVOA_X
ClientSampleId :

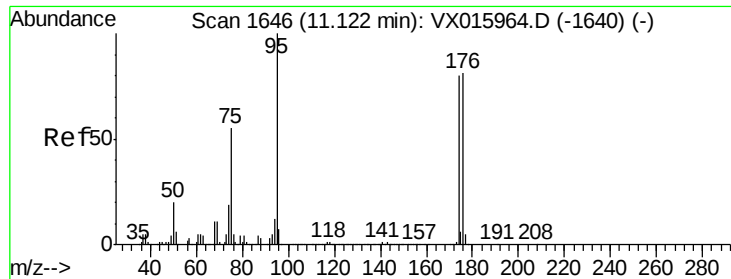
Tot Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 570.0 26.6 39.8#
58 0.0 54.8 82.2#



#50
Toluene-d8
Concen: 51.359 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX015970.D
Acq: 29 Apr 2020 12:27

Tgt Ion: 98 Resp: 531777
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7

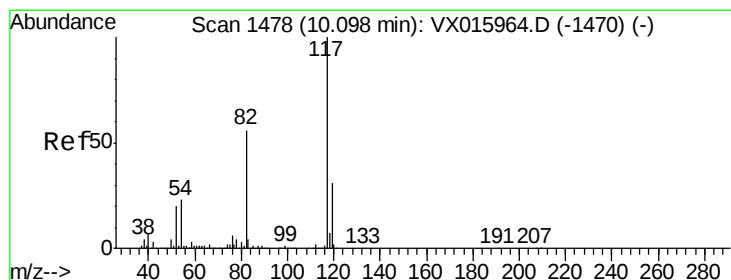
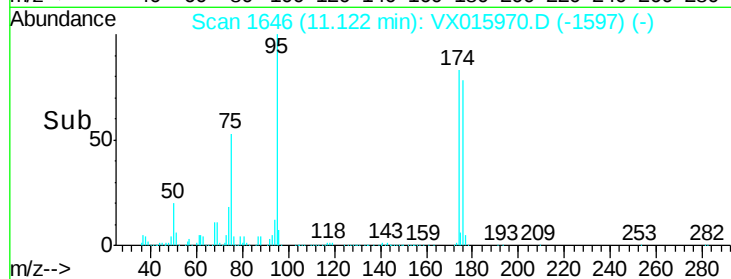
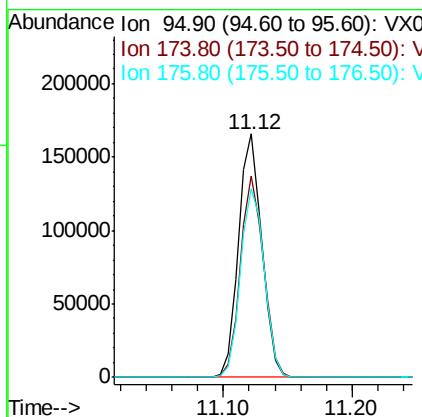
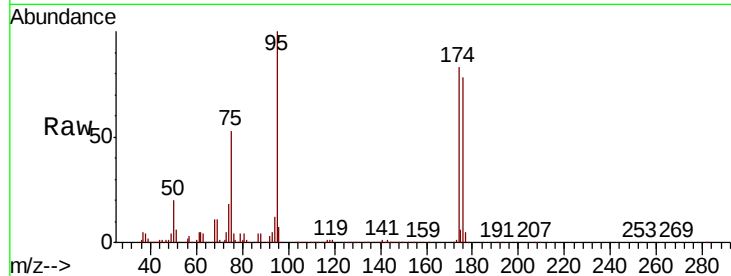




#62
4-Bromofluorobenzene
Concen: 51.218 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX015970.D
Acq: 29 Apr 2020 12:27

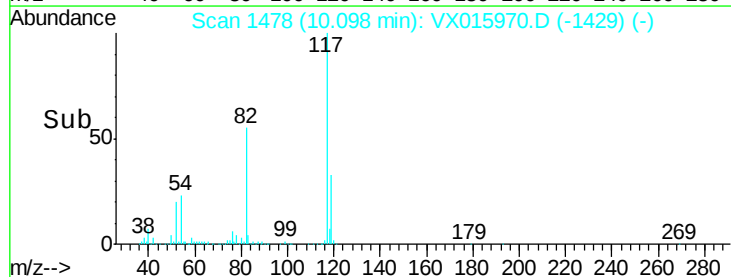
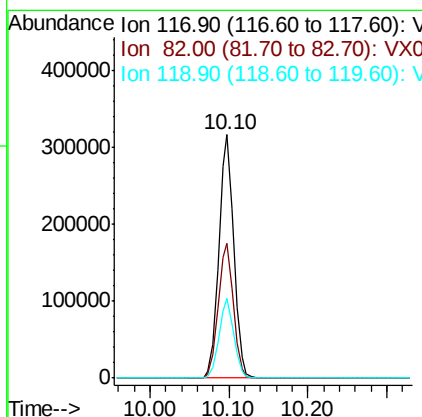
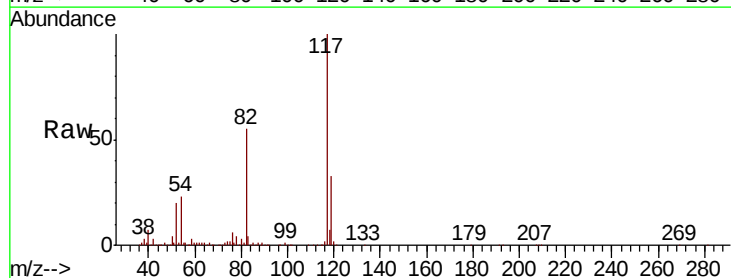
Instrument :
MSVOA_X
ClientSampleId :

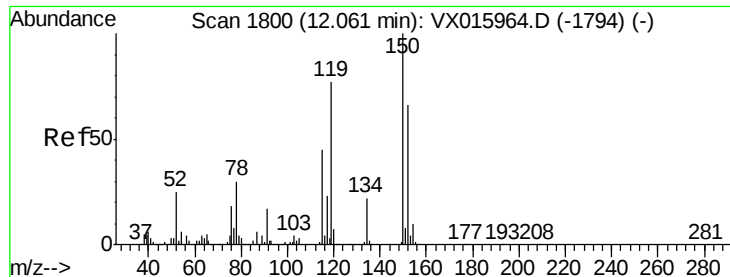
Tot Ion	Ratio	Lower	Upper
95	100		
174	81.8	0.0	165.0
176	78.9	0.0	163.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX015970.D
Acq: 29 Apr 2020 12:27

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.5	44.5	66.7
119	32.8	25.0	37.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX015970.D

Acq: 29 Apr 2020 12:27

Instrument :

MSVOA_X

ClientSampleId :

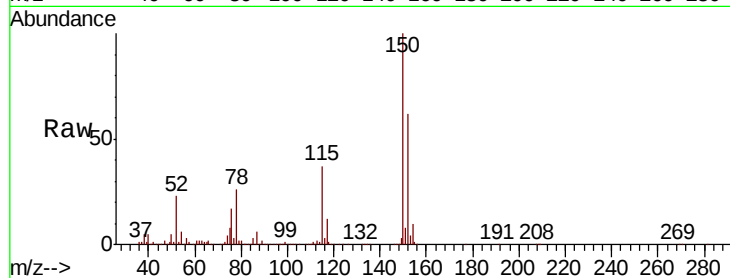
Tot Ion:152 Resp: 207426

Ion Ratio Lower Upper

152 100

115 58.0 40.9 122.7

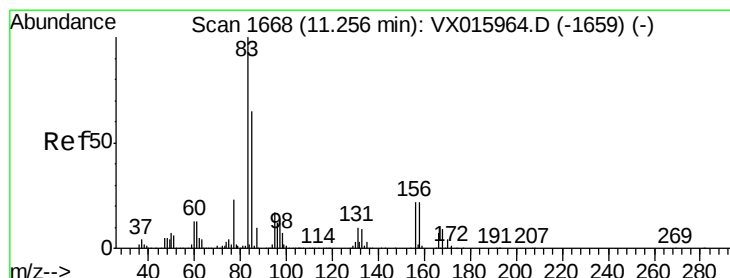
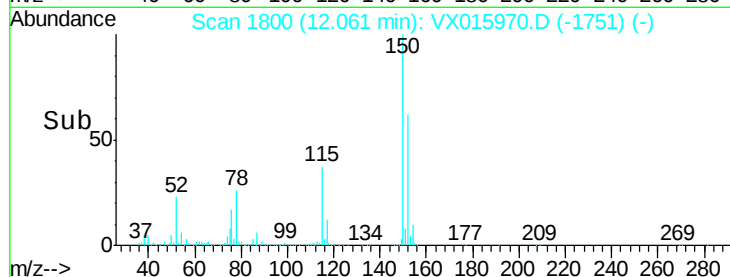
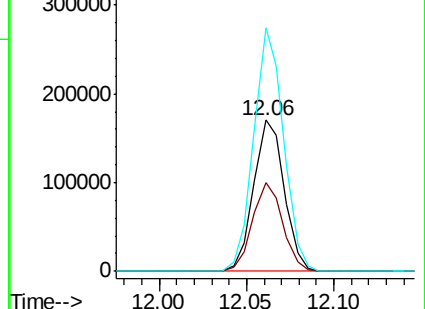
150 157.0 0.0 342.4



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



#75

1,1,2,2-Tetrachloroethane

Concen: 3.717 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VX015970.D

Acq: 29 Apr 2020 12:27

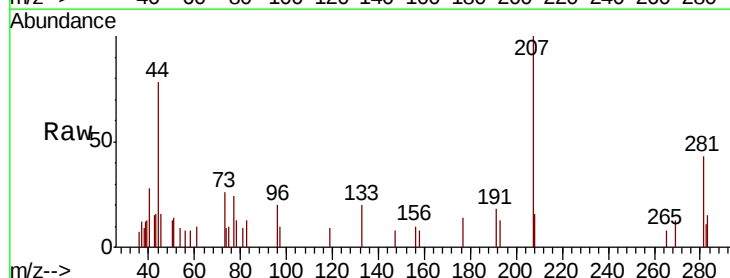
Tgt Ion: 83 Resp: 56

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

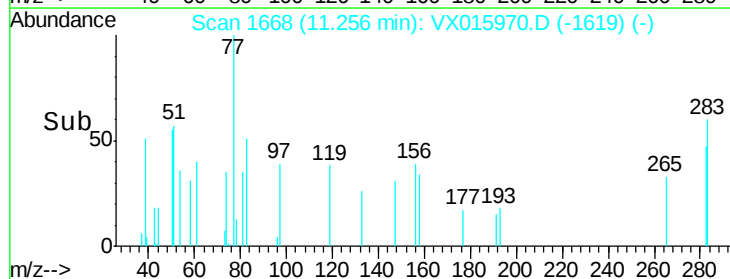
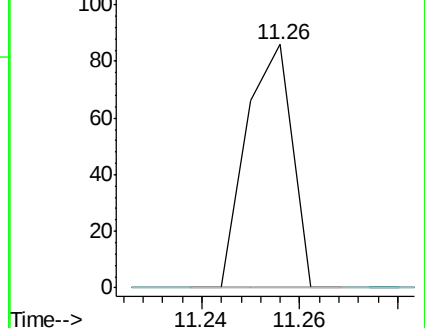
85 0.0 32.2 96.6#

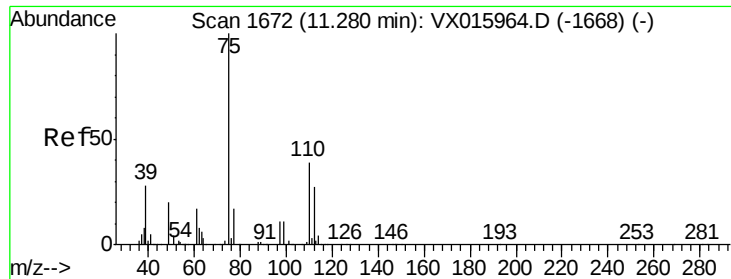


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

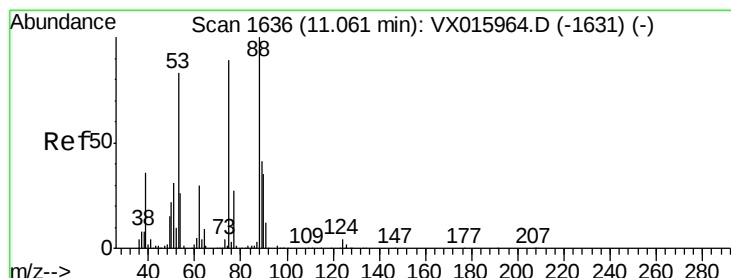
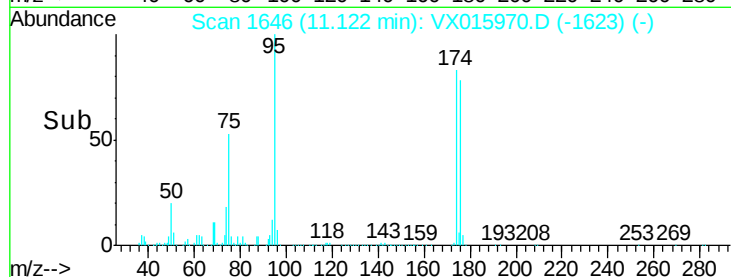
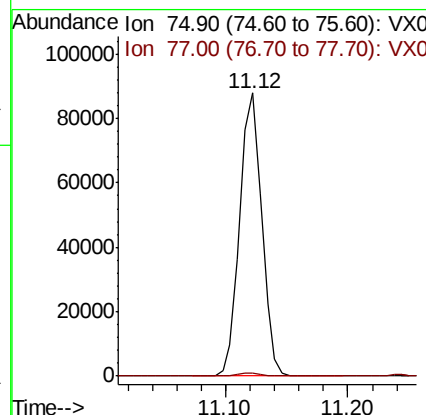
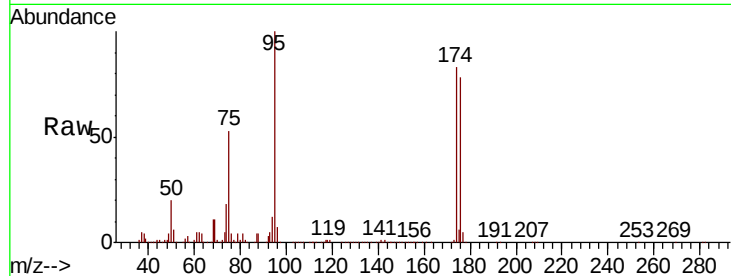




#76
 1,2,3-Trichloropropane
 Concen: 25.021 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX015970.D
 Acq: 29 Apr 2020 12:27

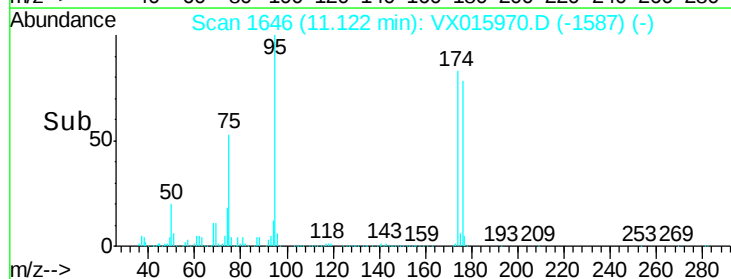
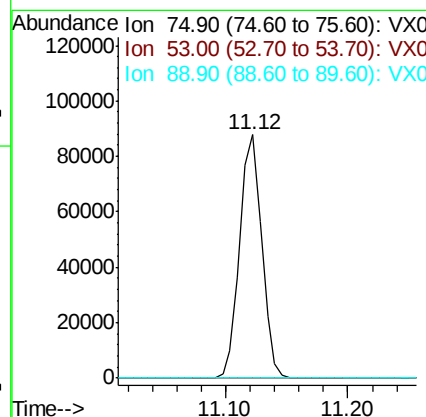
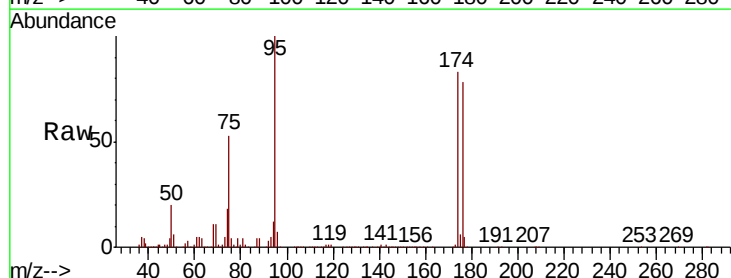
Instrument :
 MSVOA_X
 ClientSampleId :

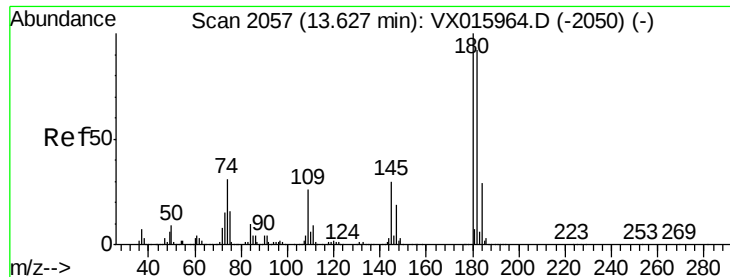
Tot Ion: 75 Resp: 108903
 Ion Ratio Lower Upper
 75 100
 77 1.2 21.6 65.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.128 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX015970.D
 Acq: 29 Apr 2020 12:27

Tgt Ion: 75 Resp: 108903
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.3 117.5#
 89 0.0 37.2 55.8#

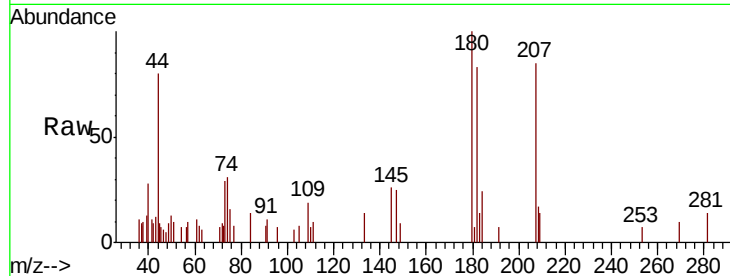




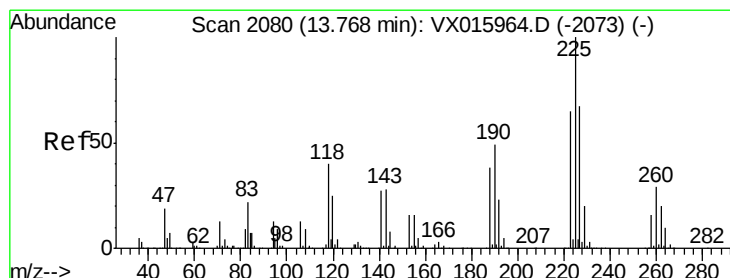
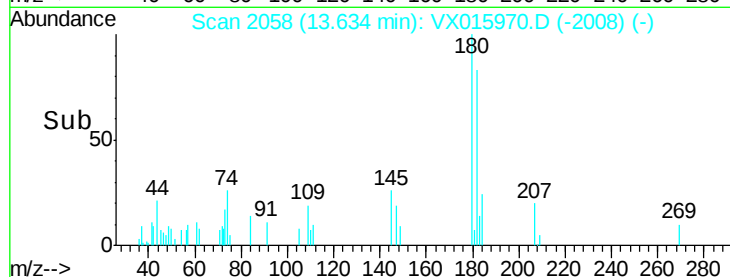
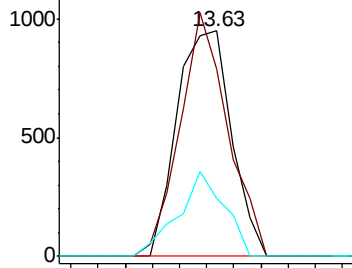
#93
 1,2,4-Trichlorobenzene
 Concen: 0.276 ug/l
 RT: 13.63 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: VX015970.D
 Acq: 29 Apr 2020 12:27

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:180 Resp: 1314
 Ion Ratio Lower Upper
 180 100
 182 94.7 46.9 140.6
 145 31.7 14.7 44.1

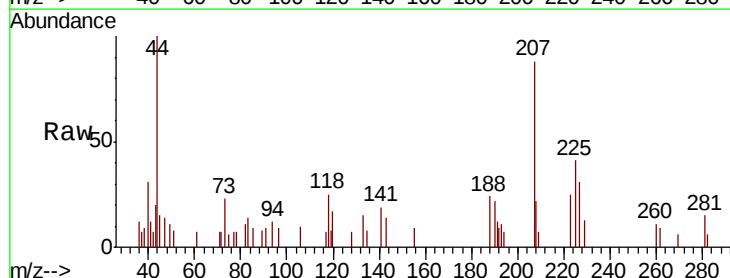


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

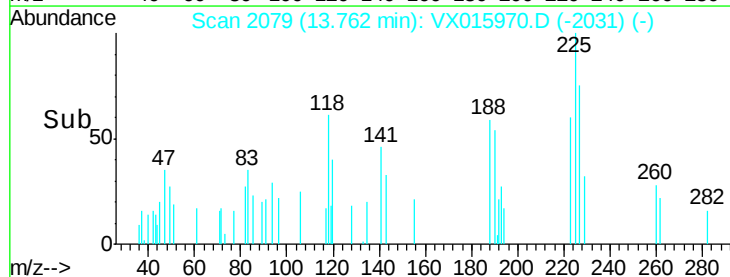
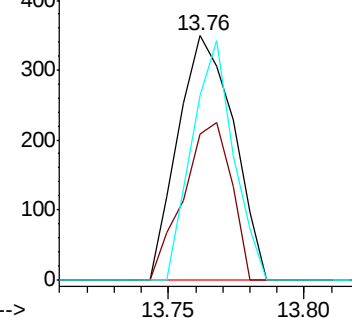


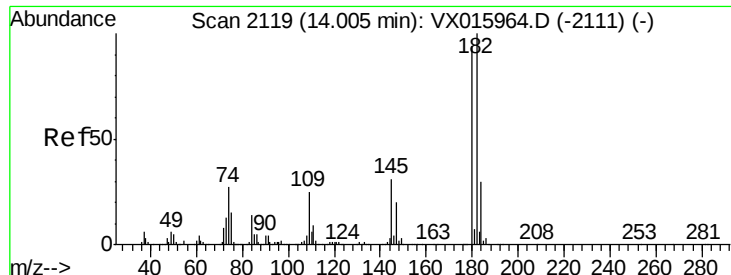
#94
 Hexachlorobutadiene
 Concen: 0.233 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX015970.D
 Acq: 29 Apr 2020 12:27

Tgt Ion:225 Resp: 495
 Ion Ratio Lower Upper
 225 100
 223 55.2 32.0 96.0
 227 72.7 33.0 99.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#96

1,2,3-Trichlorobenzene

Concen: 0.233 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. -0.01 min

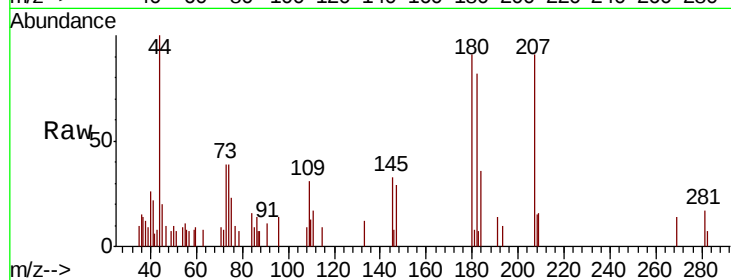
Lab File: VX015970.D

Acq: 29 Apr 2020 12:27

Instrument :

MSVOA_X

ClientSampleId :



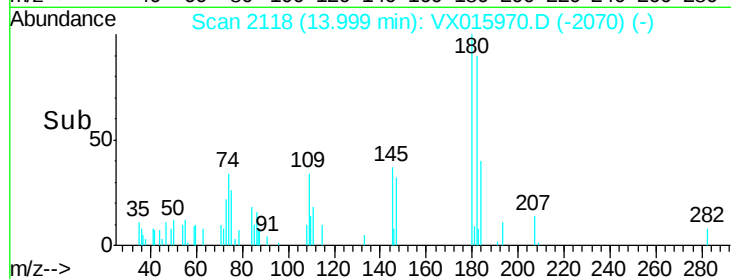
Tot Ion:180 Resp: 1067

Ion Ratio Lower Upper

180 100

182 95.4 48.7 146.1

145 32.6 16.1 48.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

