

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042920\
 Data File : VX015974.D
 Acq On : 29 Apr 2020 14:09
 Operator : JC/SP
 Sample : L2406-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

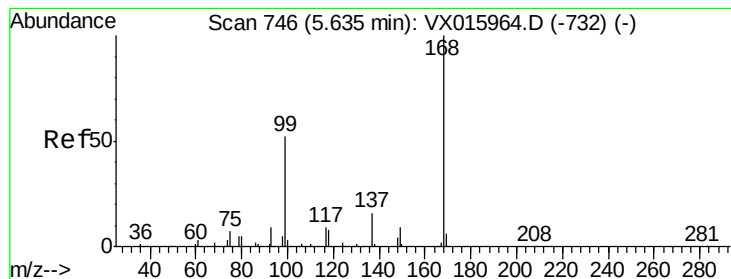
Quant Time: Apr 30 05:34:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042820W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 17:30:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	279516	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	450017	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	435542	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	229113	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	173875	47.58	ug/l	0.00
Spiked Amount			Recovery	=	95.16%	
35) Dibromofluoromethane	5.47	113	132751	47.29	ug/l	0.00
Spiked Amount			Recovery	=	94.58%	
50) Toluene-d8	8.70	98	544837	51.91	ug/l	0.00
Spiked Amount			Recovery	=	103.82%	
62) 4-Bromofluorobenzene	11.12	95	221150	53.72	ug/l	0.00
Spiked Amount			Recovery	=	107.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	600	0.260	ug/l #	39
11) Tert butyl alcohol	3.00	59	406	0.458	ug/l #	87
13) Acrolein	2.28	56	71	0.318	ug/l	89
15) Acrylonitrile	3.11	53	407	0.231	ug/l #	26
16) Acetone	2.42	43	6405	4.099	ug/l	96
20) Methylene Chloride	2.84	84	681	0.220	ug/l #	87
36) 1,1-Dichloropropene	5.63	75	20624	4.812	ug/l #	51
38) Carbon Tetrachloride	5.63	117	27328	6.036	ug/l #	17
49) 1,4-Dioxane	7.67	88	22	0.249	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.26	83	20	3.706	ug/l #	25
76) 1,2,3-Trichloropropane	11.12	75	116980	24.332	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	116980	57.501	ug/l #	10

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX015974.D

Acq: 29 Apr 2020 14:09

Instrument :

MSVOA_X

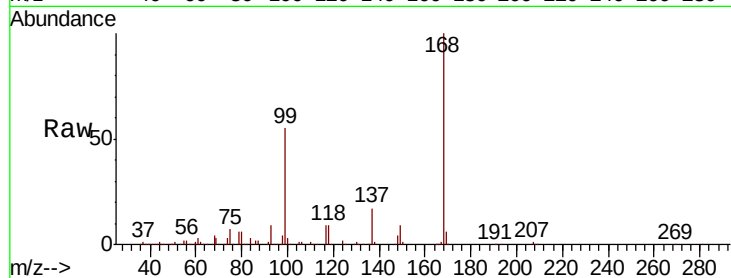
ClientSampleId :

Tot Ion:168 Resp: 279516

Ion Ratio Lower Upper

168 100

99 55.1 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

60000

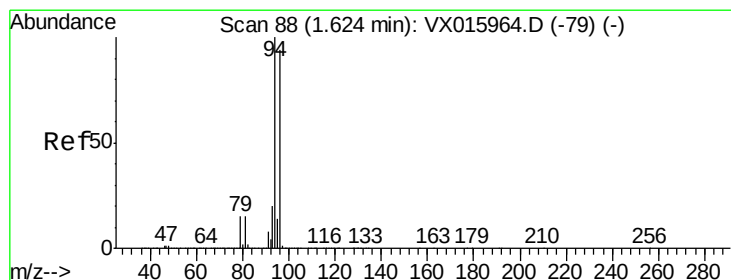
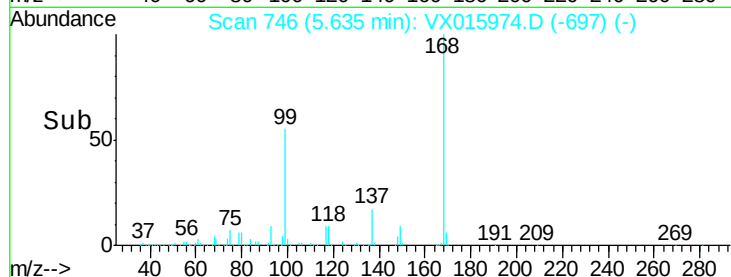
40000

20000

0

Time-->

5.50 5.60 5.70



#5

Bromomethane

Concen: 0.260 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX015974.D

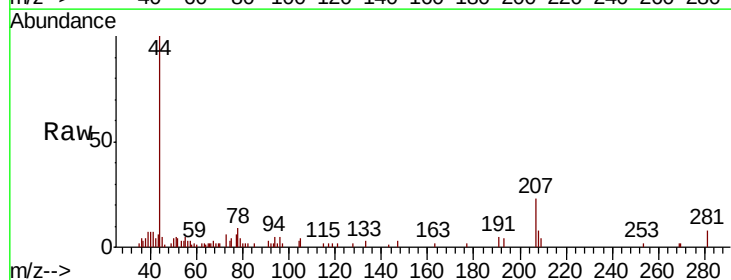
Acq: 29 Apr 2020 14:09

Tgt Ion: 94 Resp: 600

Ion Ratio Lower Upper

94 100

96 34.5 74.9 112.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

400

300

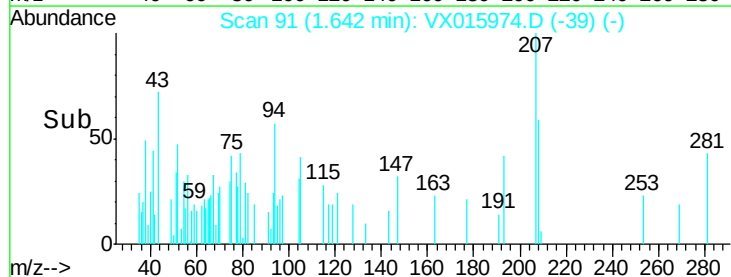
200

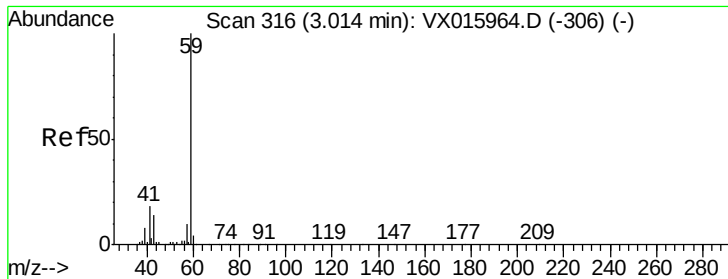
100

0

Time-->

1.55 1.60 1.65 1.70



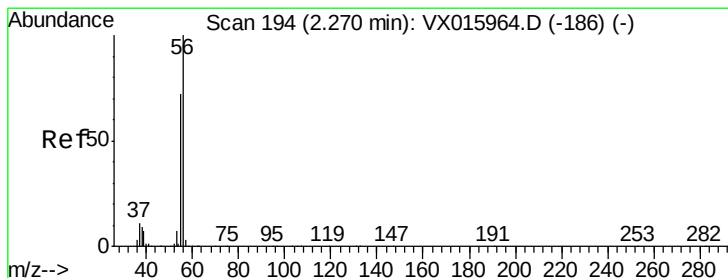
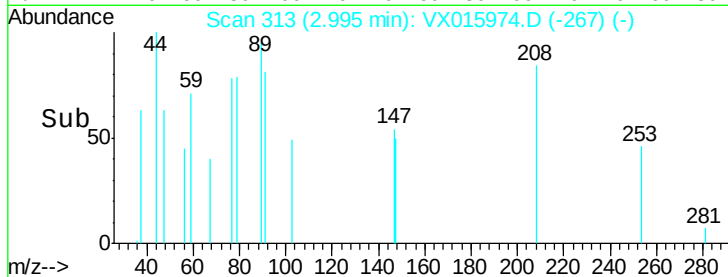
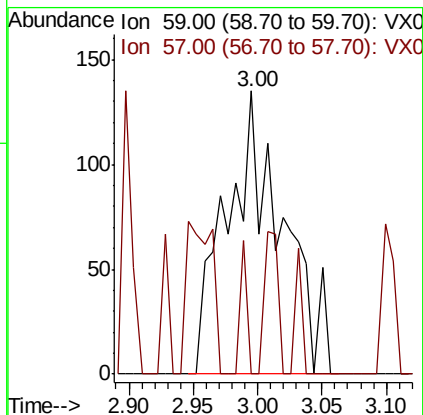
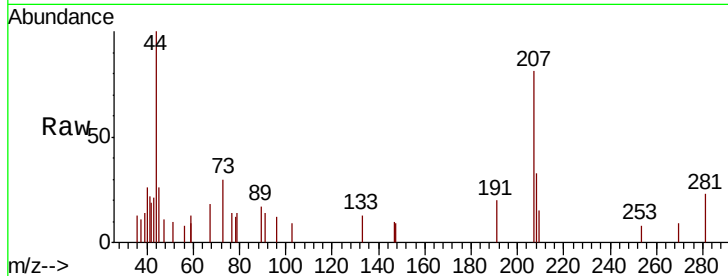


#11

Tert butyl alcohol
Concen: 0.458 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX015974.D
Acq: 29 Apr 2020 14:09

Instrument :
MSVOA_X
ClientSampled :

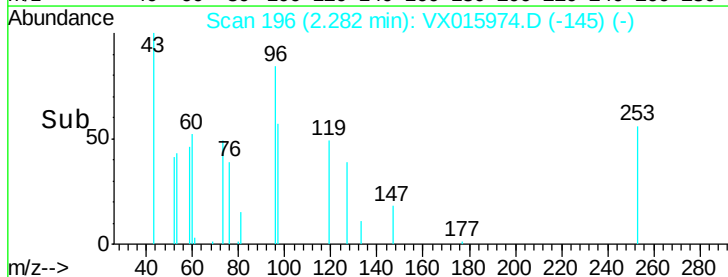
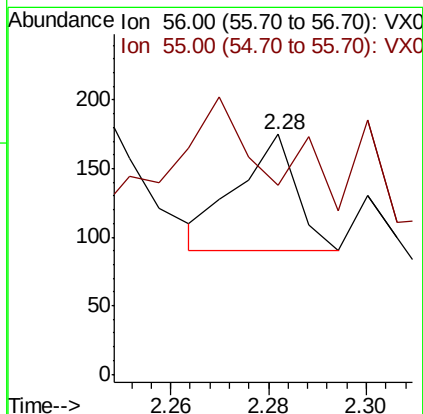
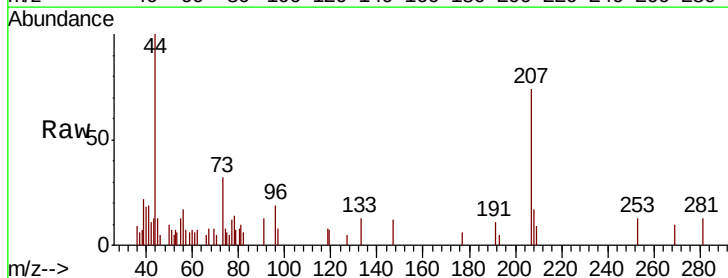
Tot Ion: 59 Resp: 406
Ion Ratio Lower Upper
59 100
57 5.7 8.3 12.5#

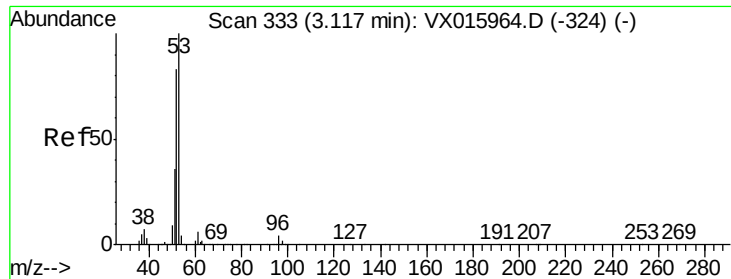


#13

Acrolein
Concen: 0.318 ug/l
RT: 2.28 min Scan# 196
Delta R.T. 0.01 min
Lab File: VX015974.D
Acq: 29 Apr 2020 14:09

Tgt Ion: 56 Resp: 71
Ion Ratio Lower Upper
56 100
55 62.0 56.9 85.3





#15

Acrylonitrile

Concen: 0.231 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX015974.D

Acq: 29 Apr 2020 14:09

Instrument :

MSVOA_X

ClientSampled :

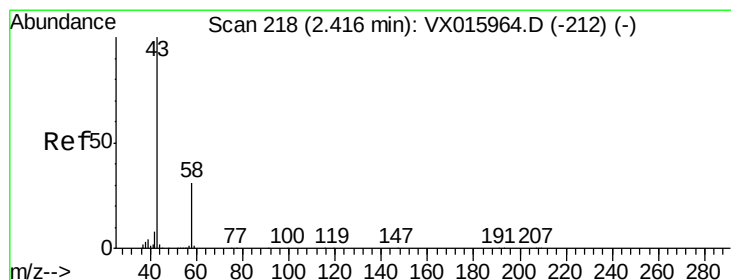
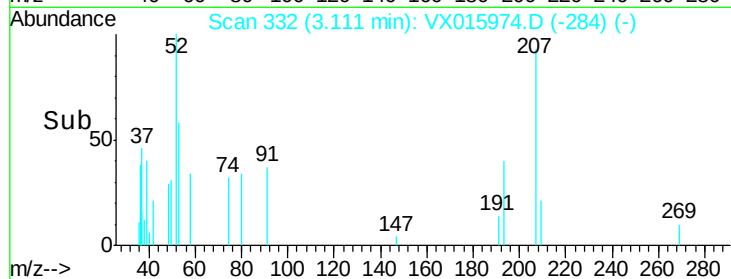
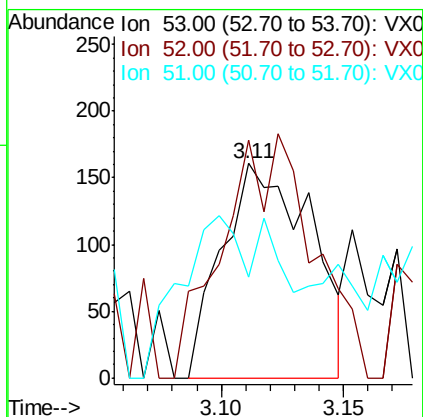
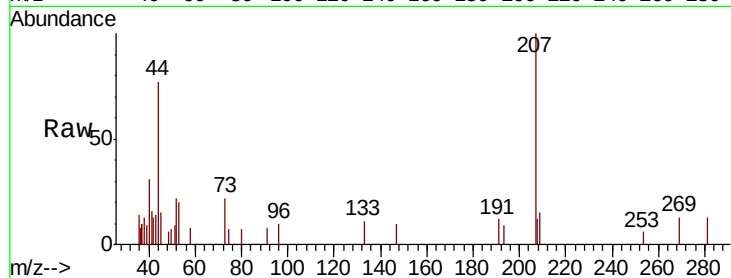
Tot Ion: 53 Resp: 407

Ion Ratio Lower Upper

53 100

52 0.0 65.5 98.3#

51 55.0 28.7 43.1#



#16

Acetone

Concen: 4.099 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX015974.D

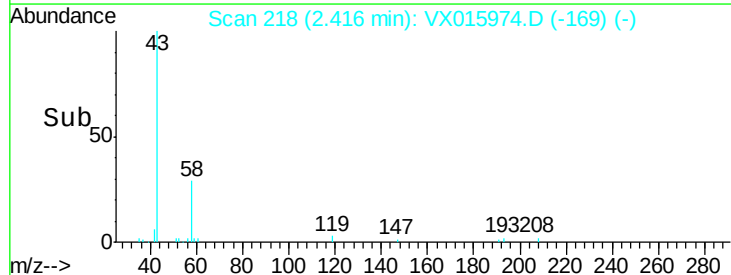
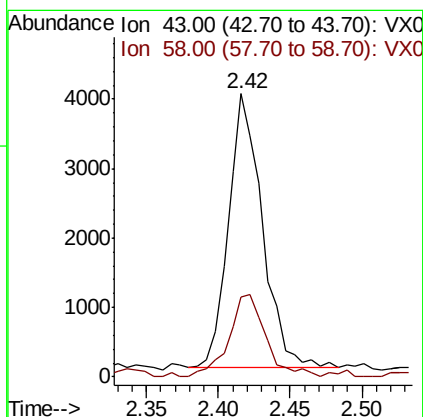
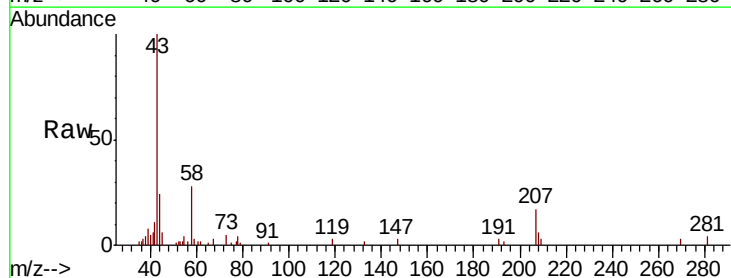
Acq: 29 Apr 2020 14:09

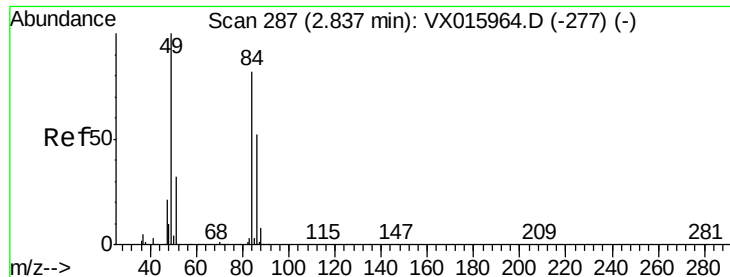
Tgt Ion: 43 Resp: 6405

Ion Ratio Lower Upper

43 100

58 29.3 25.1 37.7

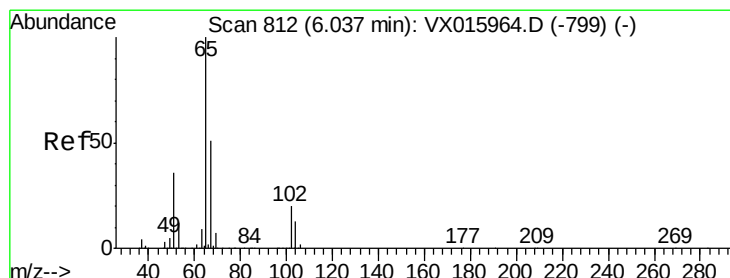
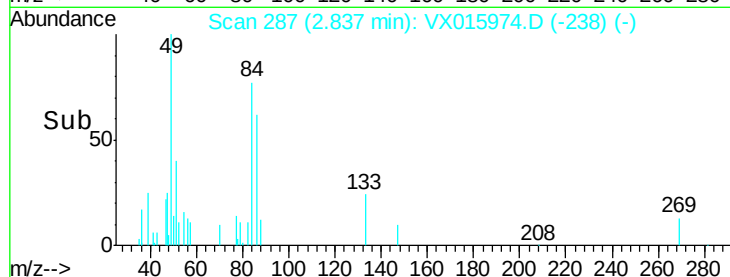
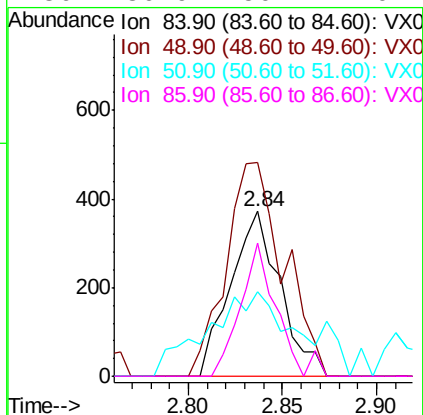
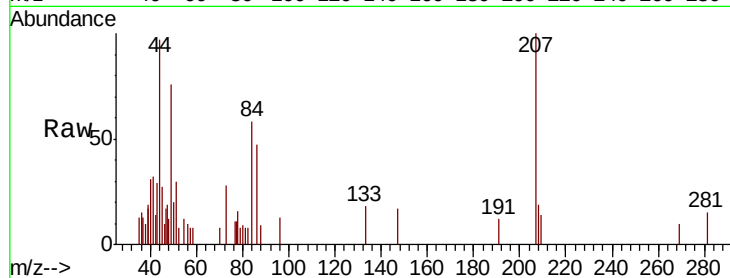




#20
Methylene Chloride
Concen: 0.220 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX015974.D
Acq: 29 Apr 2020 14:09

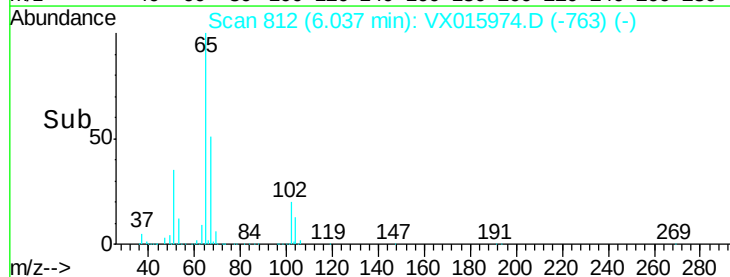
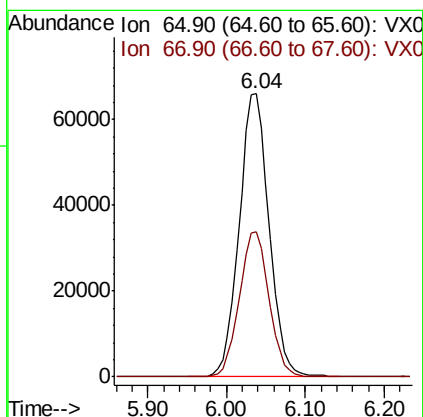
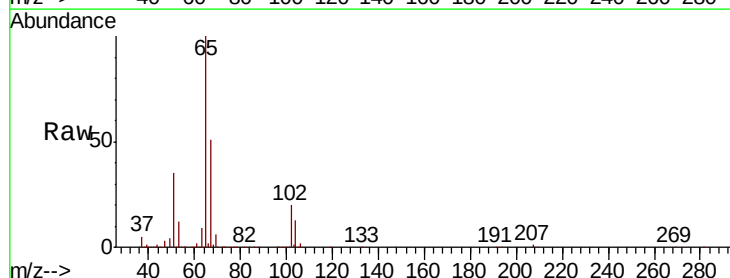
Instrument :
MSVOA_X
ClientSampleId :

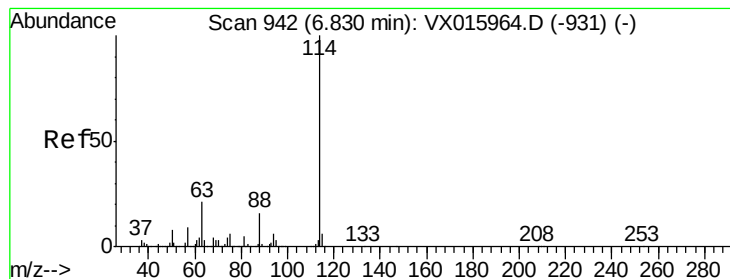
Tot Ion: 84 Resp: 681
Ion Ratio Lower Upper
84 100
49 129.6 97.9 146.9
51 29.3 31.2 46.8#
86 80.9 50.7 76.1#



#33
1,2-Dichloroethane-d4
Concen: 47.577 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.00 min
Lab File: VX015974.D
Acq: 29 Apr 2020 14:09

Tgt Ion: 65 Resp: 173875
Ion Ratio Lower Upper
65 100
67 51.3 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX015974.D

Acq: 29 Apr 2020 14:09

Instrument :

MSVOA_X

ClientSampled :

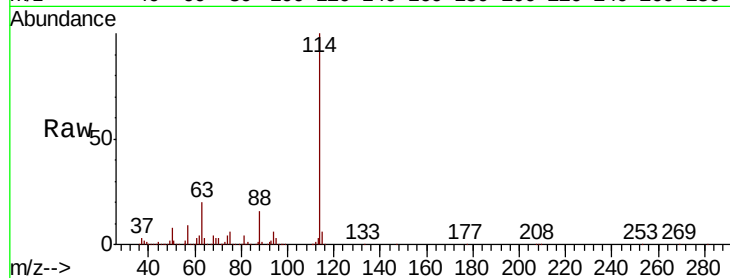
Tot Ion:114 Resp: 450017

Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.2

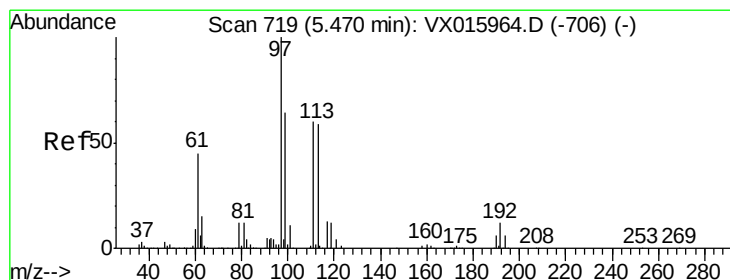
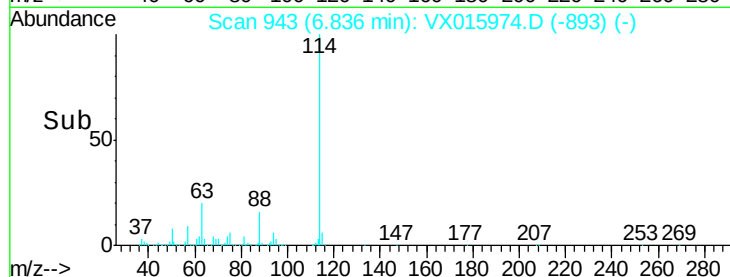
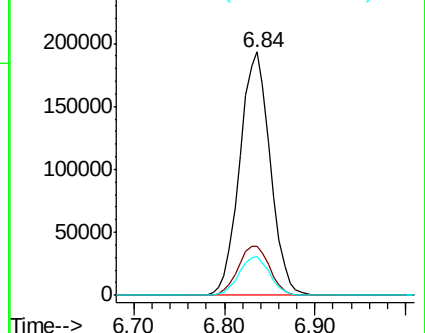
88 16.0 0.0 31.8



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: 47.289 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX015974.D

Acq: 29 Apr 2020 14:09

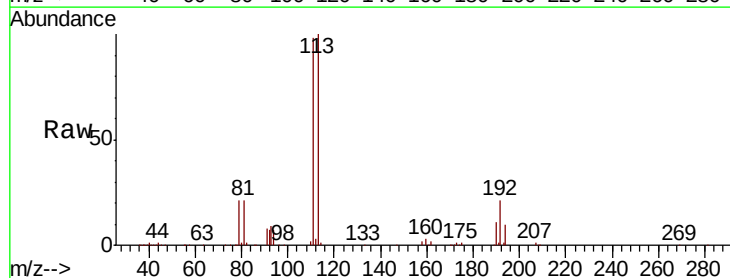
Tgt Ion:113 Resp: 132751

Ion Ratio Lower Upper

113 100

111 101.8 81.8 122.8

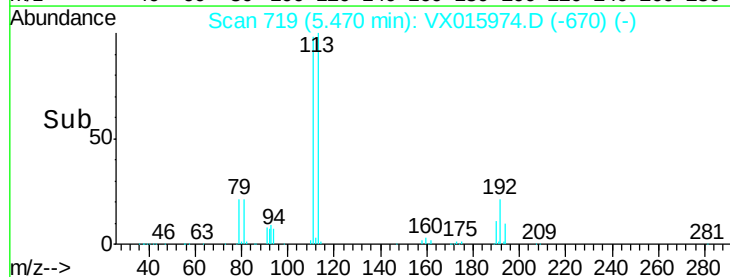
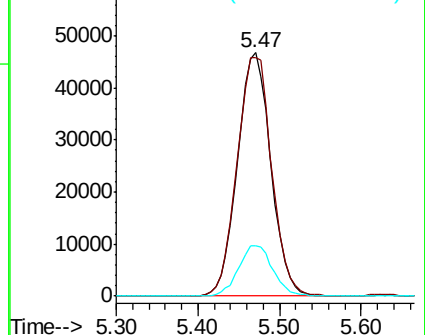
192 21.3 16.8 25.2

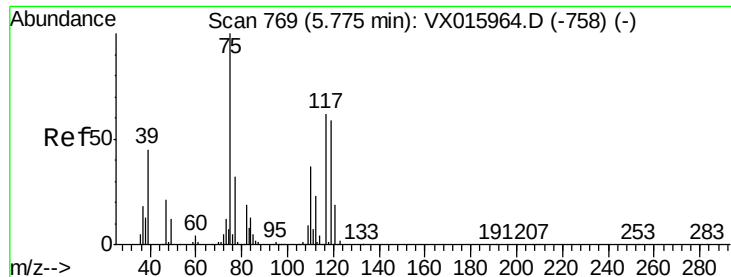


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.812 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.15 min

Lab File: VX015974.D

Acq: 29 Apr 2020 14:09

Instrument :

MSVOA_X

ClientSampleId :

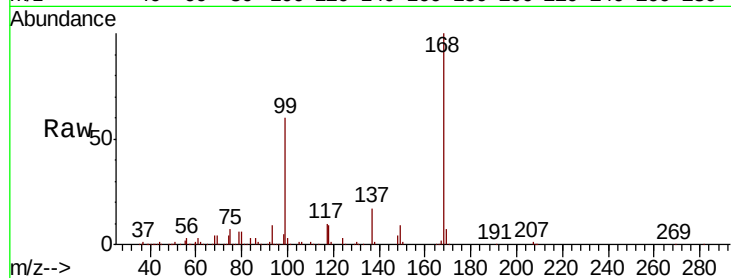
Tot Ion: 75 Resp: 20624

Ion Ratio Lower Upper

75 100

110 10.9 17.9 53.7#

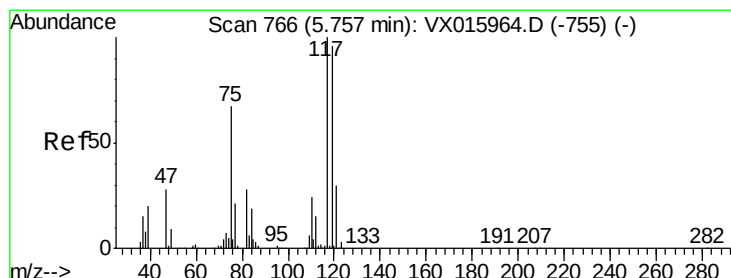
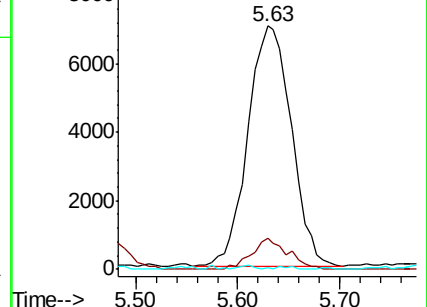
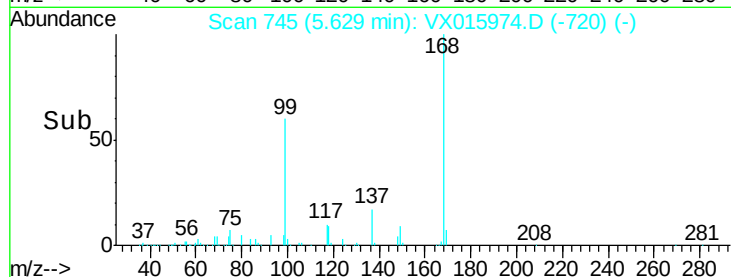
77 0.5 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): VX015974.D (-720) (-)

Ion 109.90 (109.60 to 110.60): VX015974.D (-720) (-)

Ion 76.90 (76.60 to 77.60): VX015974.D (-720) (-)



#38

Carbon Tetrachloride

Concen: 6.036 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX015974.D

Acq: 29 Apr 2020 14:09

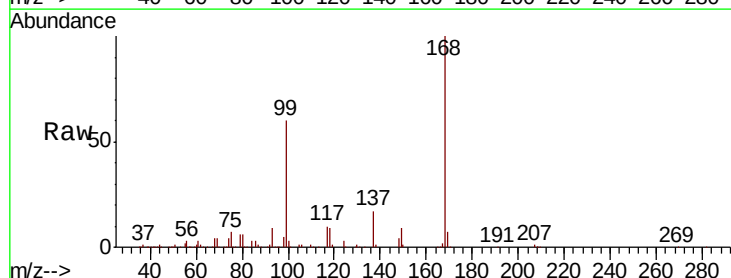
Tgt Ion: 117 Resp: 27328

Ion Ratio Lower Upper

117 100

119 5.7 76.2 114.4#

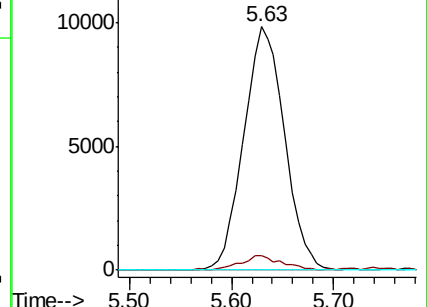
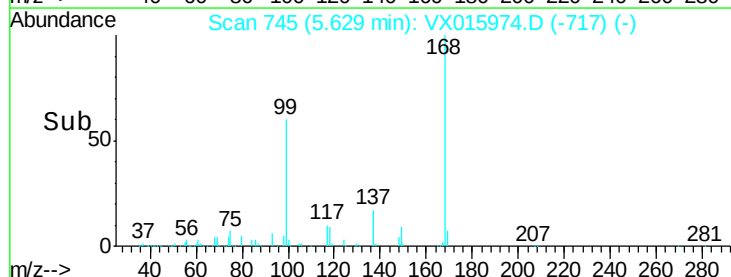
121 0.0 24.2 36.4#

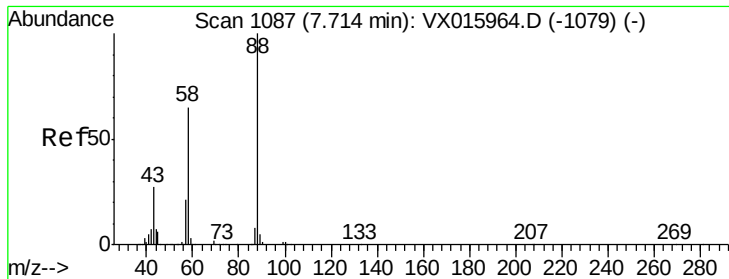


Abundance Ion 116.80 (116.50 to 117.50): VX015974.D (-717) (-)

Ion 118.80 (118.50 to 119.50): VX015974.D (-717) (-)

Ion 120.80 (120.50 to 121.50): VX015974.D (-717) (-)





#49

1,4-Dioxane

Concen: 0.249 ug/l

RT: 7.67 min Scan# 1080

Delta R.T. -0.04 min

Lab File: VX015974.D

Acq: 29 Apr 2020 14:09

Instrument :

MSVOA_X

ClientSampleId :

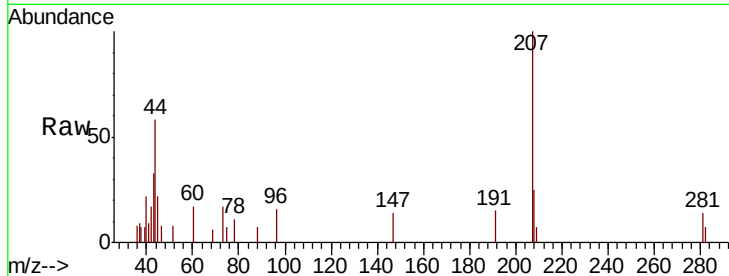
Tot Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 631.8 26.6 39.8#

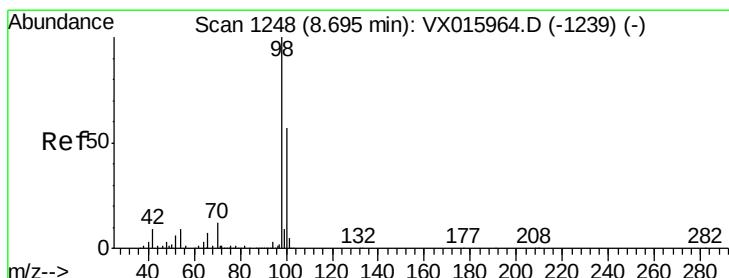
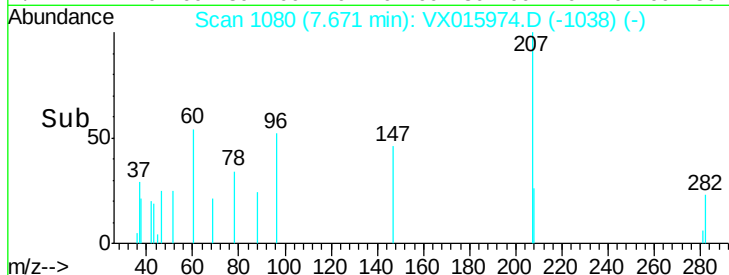
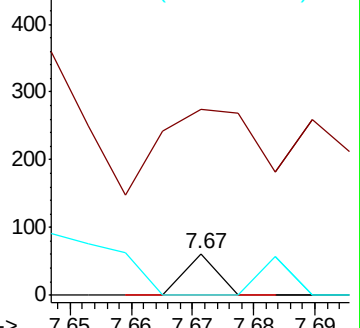
58 95.5 54.8 82.2#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 51.909 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX015974.D

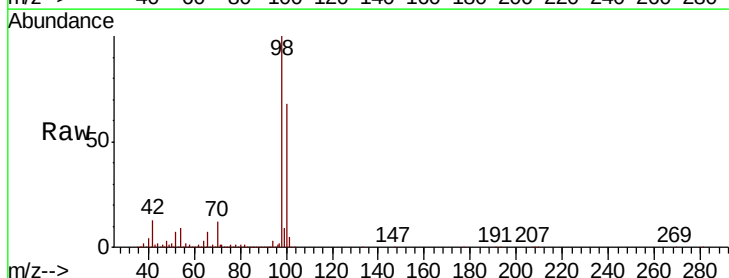
Acq: 29 Apr 2020 14:09

Tgt Ion: 98 Resp: 544837

Ion Ratio Lower Upper

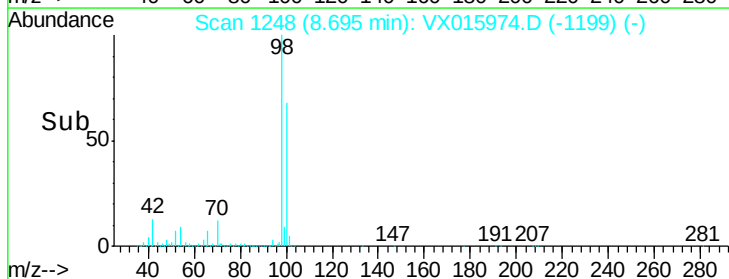
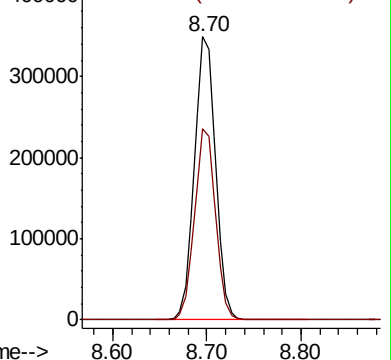
98 100

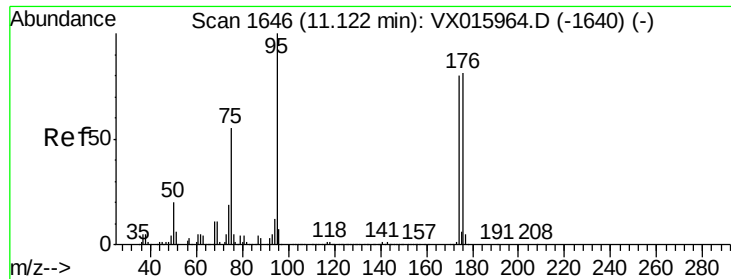
100 67.0 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 53.721 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX015974.D

Acq: 29 Apr 2020 14:09

Instrument :

MSVOA_X

ClientSampleId :

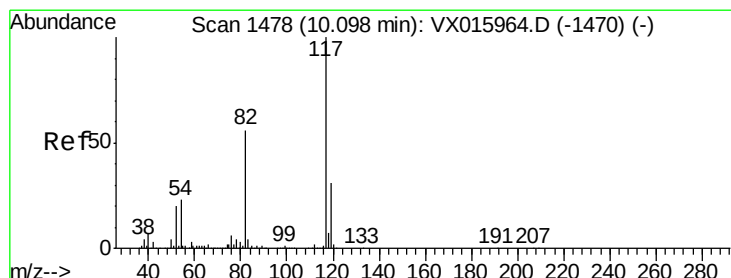
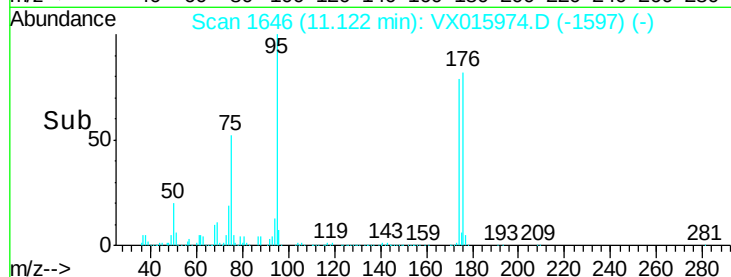
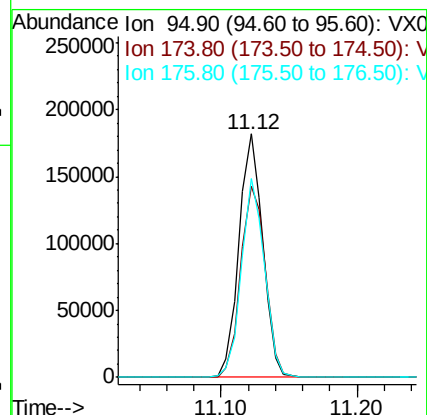
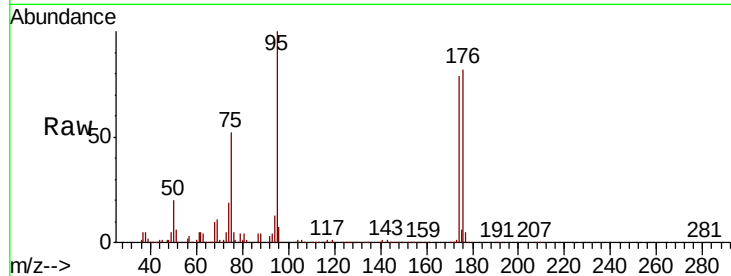
Tot Ion: 95 Resp: 221150

Ion Ratio Lower Upper

95 100

174 81.5 0.0 165.0

176 79.5 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: VX015974.D

Acq: 29 Apr 2020 14:09

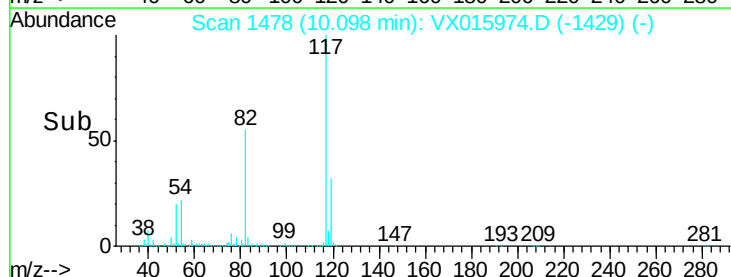
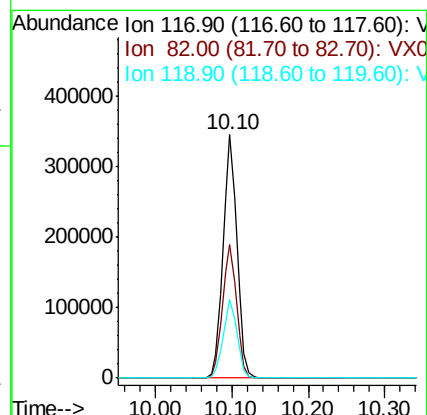
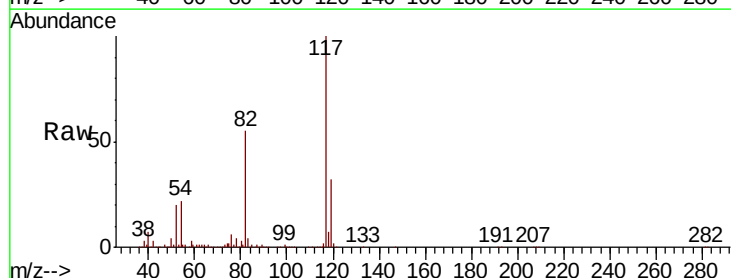
Tgt Ion: 117 Resp: 435542

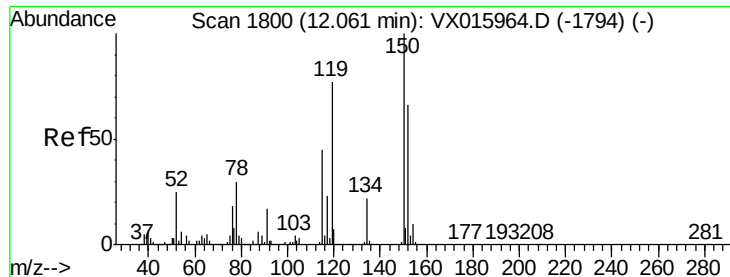
Ion Ratio Lower Upper

117 100

82 55.0 44.5 66.7

119 32.3 25.0 37.6

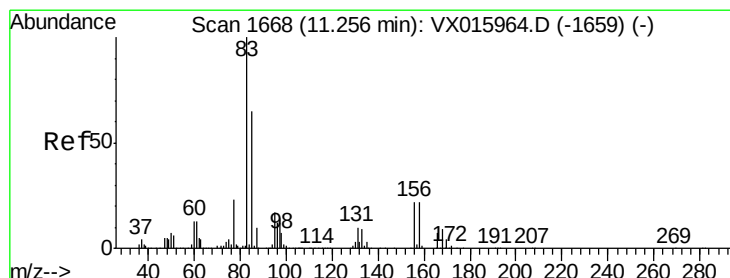
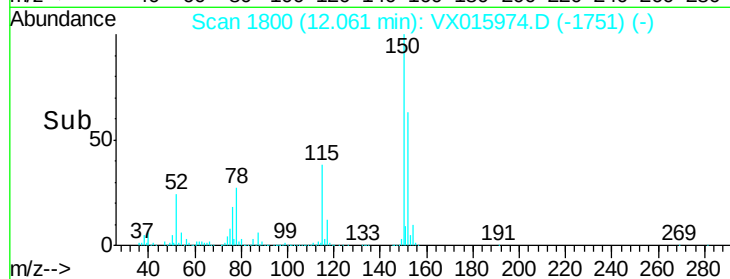
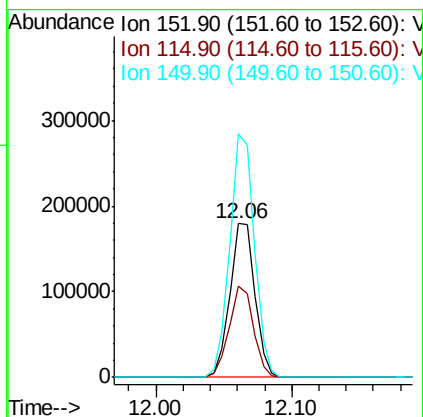
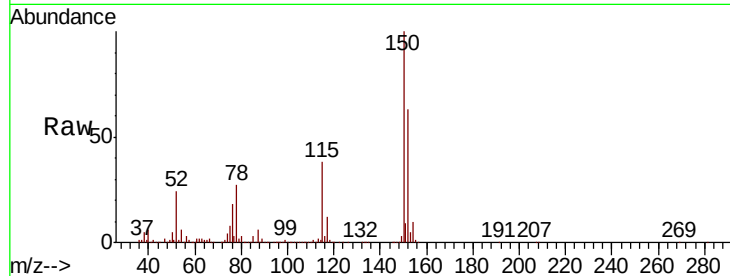




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.06 min Scan# 1800
 Delta R.T. 0.00 min
 Lab File: VX015974.D
 Acq: 29 Apr 2020 14:09

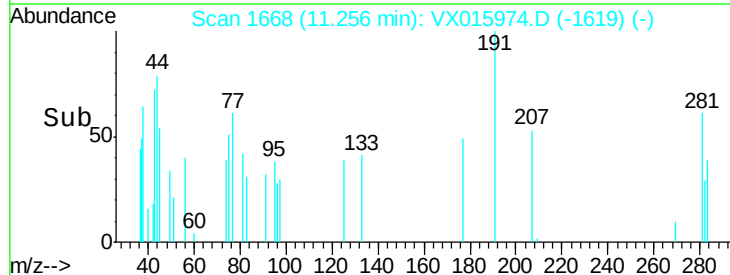
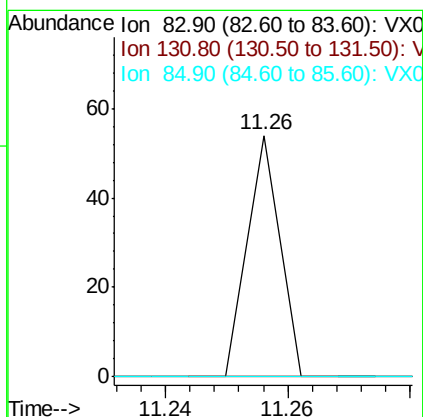
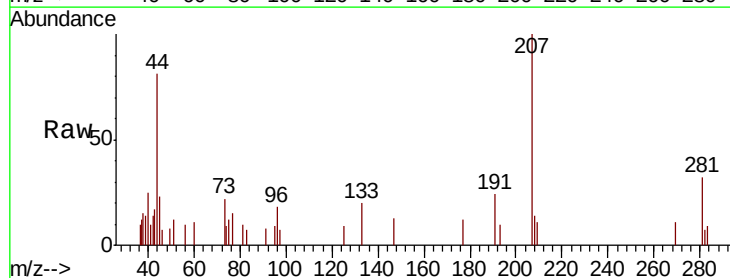
Instrument :
 MSVOA_X
 ClientSampleId :

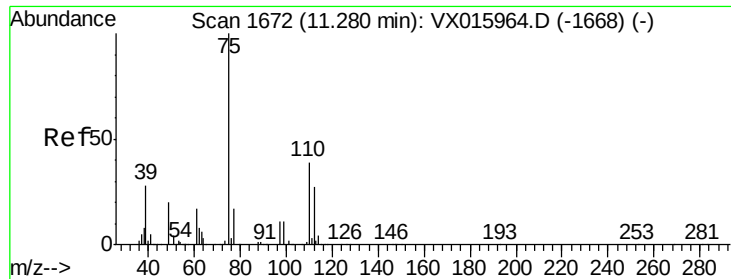
Tot Ion	Ratio	Lower	Upper
152	100		
115	57.9	40.9	122.7
150	156.2	0.0	342.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: 3.706 ug/l
 RT: 11.26 min Scan# 1668
 Delta R.T. 0.00 min
 Lab File: VX015974.D
 Acq: 29 Apr 2020 14:09

Tgt Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.1	15.4#
85	0.0	32.2	96.6#

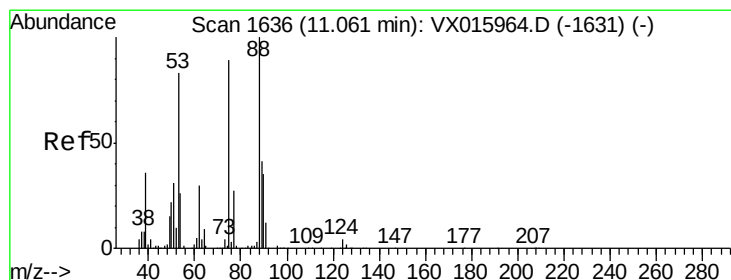
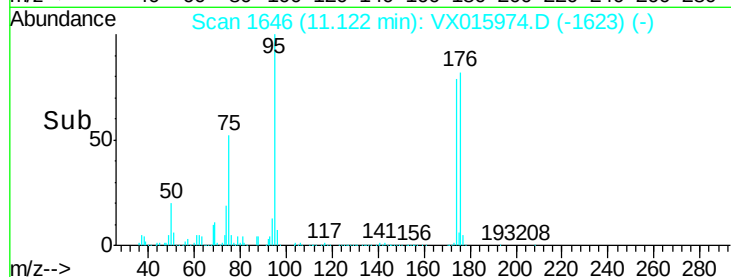
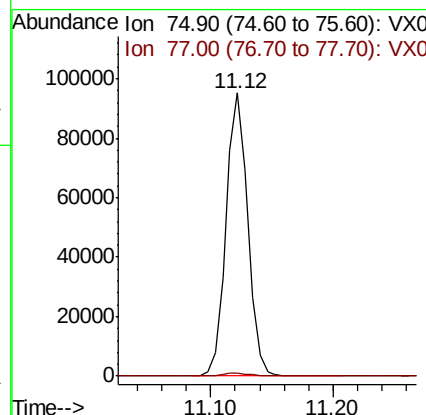
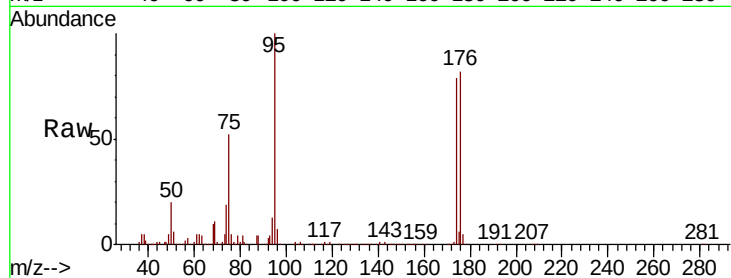




#76
 1,2,3-Trichloropropane
 Concen: 24.332 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX015974.D
 Acq: 29 Apr 2020 14:09

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 75 Resp: 116980
 Ion Ratio Lower Upper
 75 100
 77 1.4 21.6 65.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.501 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX015974.D
 Acq: 29 Apr 2020 14:09

Tgt Ion: 75 Resp: 116980
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.3 117.5#
 89 0.0 37.2 55.8#

