

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031020\
 Data File : VX015179.D
 Acq On : 10 Mar 2020 18:20
 Operator : JC/SP
 Sample : L1842-13DL 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

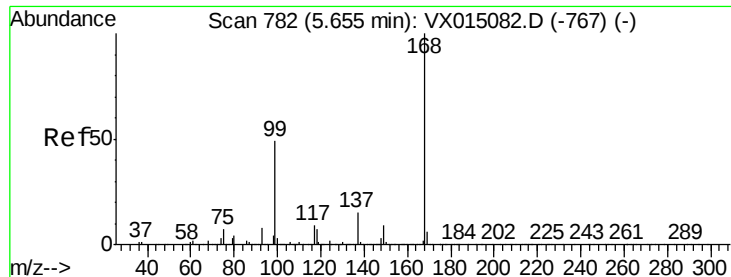
Quant Time: Mar 11 07:32:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 14:19:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	326744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	538894	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	522018	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	263285	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	203532	52.51	ug/l	0.00
Spiked Amount			Recovery	=	105.02%	
35) Dibromofluoromethane	5.49	113	170432	50.13	ug/l	0.00
Spiked Amount			Recovery	=	100.26%	
50) Toluene-d8	8.71	98	656524	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
62) 4-Bromofluorobenzene	11.14	95	237410	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.38	101	1352	0.439	ug/l #	75
11) Tert butyl alcohol	3.05	59	238	0.354	ug/l #	1
12) 1,1-Dichloroethene	2.36	96	1003	0.316	ug/l #	20
15) Acrylonitrile	3.14	53	484	0.289	ug/l #	28
16) Acetone	2.44	43	741	0.472	ug/l #	51
20) Methylene Chloride	2.86	84	780	0.212	ug/l #	42
27) cis-1,2-Dichloroethene	4.59	96	782	0.206	ug/l	39
29) Tetrahydrofuran	5.12	42	426	0.288	ug/l #	59
36) 1,1-Dichloropropene	5.65	75	23333	4.684	ug/l #	52
38) Carbon Tetrachloride	5.65	117	29451	6.263	ug/l #	16
42) 1,2-Dichloroethane	6.19	62	1057	0.208	ug/l #	69
44) Trichloroethene	7.21	130	203445	49.425	ug/l	96
49) 1,4-Dioxane	7.75	88	79	0.883	ug/l #	8
76) 1,2,3-Trichloropropane	11.13	75	116909	22.261	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	116909	63.177	ug/l #	11
95) Naphthalene	13.84	128	451	1.445	ug/l #	43

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX015179.D

Acq: 10 Mar 2020 18:20

Instrument :

MSVOA_X

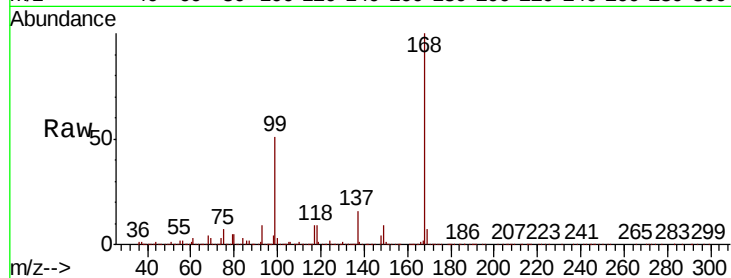
ClientSampleId :

Tot Ion:168 Resp: 326744

Ion Ratio Lower Upper

168 100

99 50.5 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

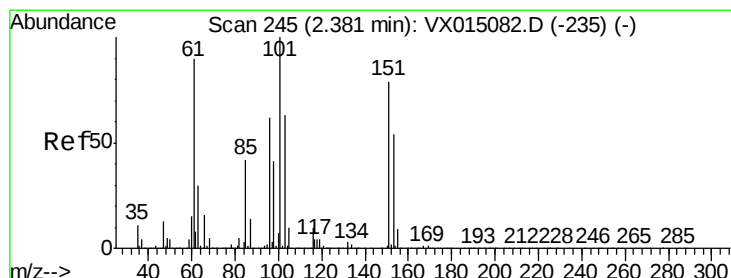
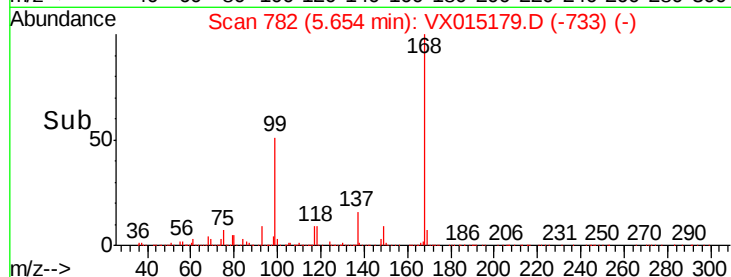
5.65

100000

50000

0

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.439 ug/l

RT: 2.38 min Scan# 245

Delta R.T. -0.00 min

Lab File: VX015179.D

Acq: 10 Mar 2020 18:20

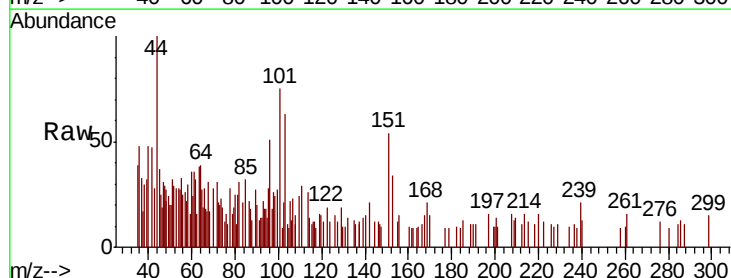
Tgt Ion:101 Resp: 1352

Ion Ratio Lower Upper

101 100

85 36.8 33.7 50.5

151 49.9 64.0 96.0#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

2.38

600

500

400

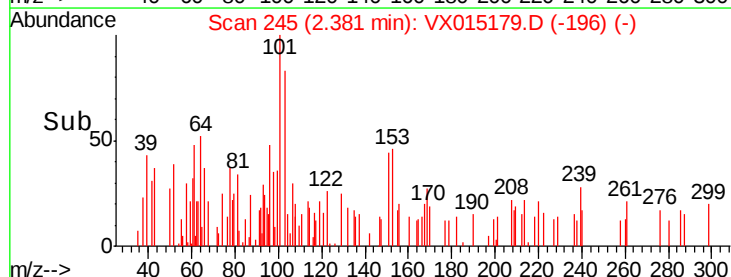
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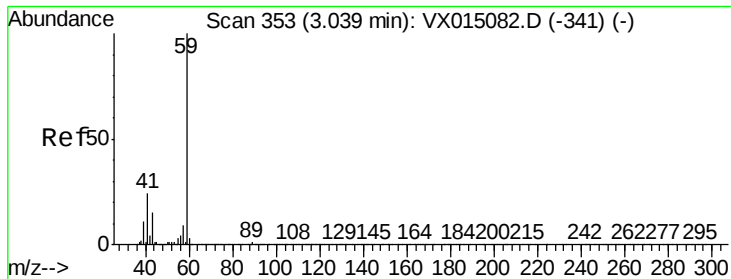
200

100

0

Time-->

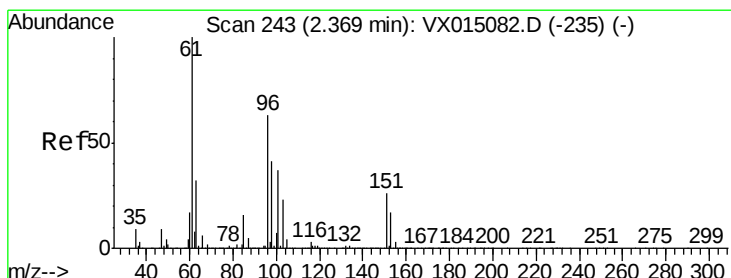
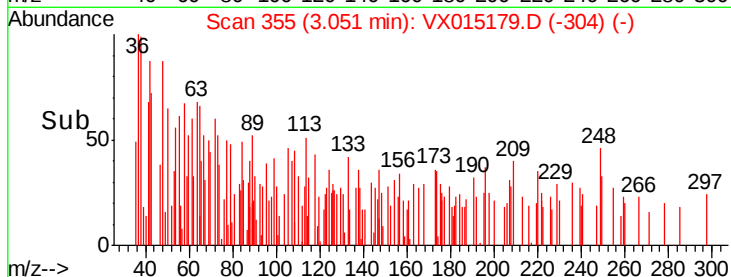
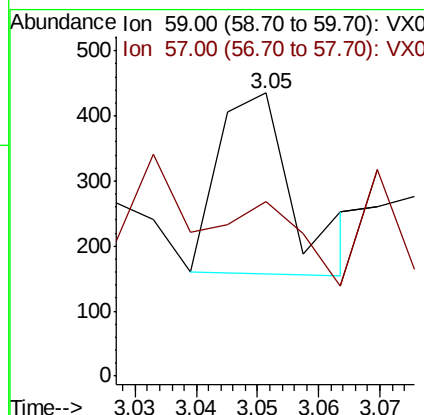
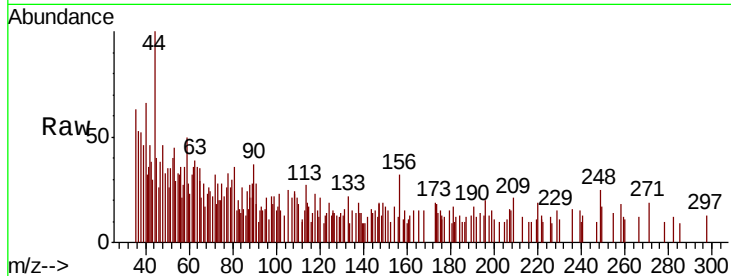




#11
Tert butyl alcohol
Concen: 0.354 ug/l
RT: 3.05 min Scan# 355
Delta R.T. 0.01 min
Lab File: VX015179.D
Acq: 10 Mar 2020 18:20

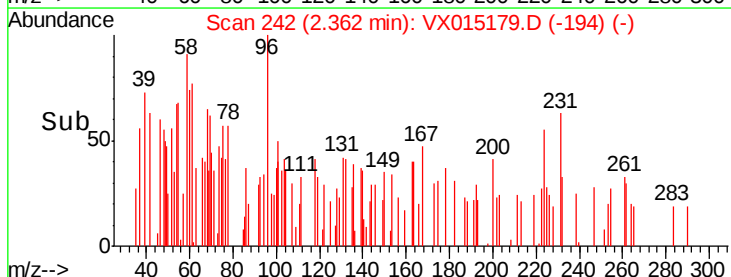
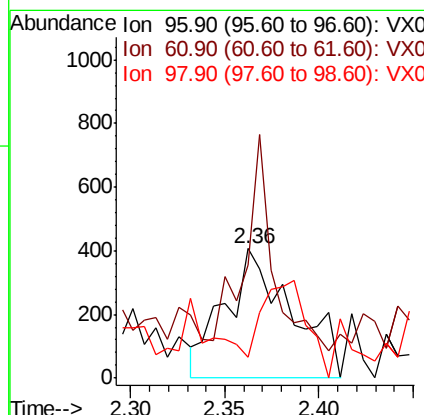
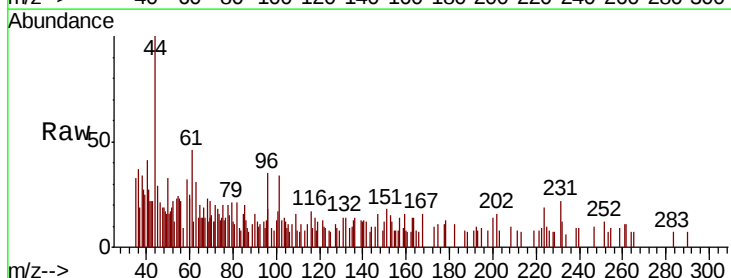
Instrument :
MSVOA_X
ClientSampled :

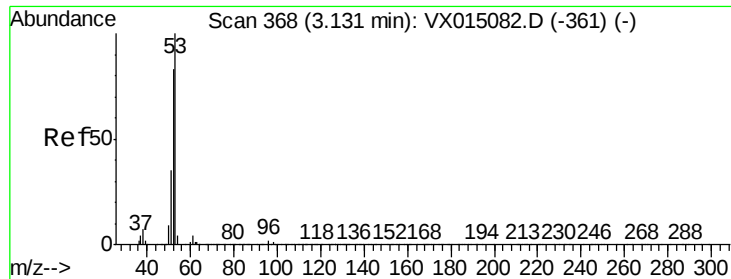
Tot Ion: 59 Resp: 238
Ion Ratio Lower Upper
59 100
57 167.6 8.2 12.4#



#12
1,1-Dichloroethene
Concen: 0.316 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.01 min
Lab File: VX015179.D
Acq: 10 Mar 2020 18:20

Tgt Ion: 96 Resp: 1003
Ion Ratio Lower Upper
96 100
61 53.6 126.2 189.4#
98 0.0 51.4 77.0#





#15

Acrylonitrile

Concen: 0.289 ug/l

RT: 3.14 min Scan# 369

Delta R.T. 0.01 min

Lab File: VX015179.D

Acq: 10 Mar 2020 18:20

Instrument :
MSVOA_X
ClientSampled :

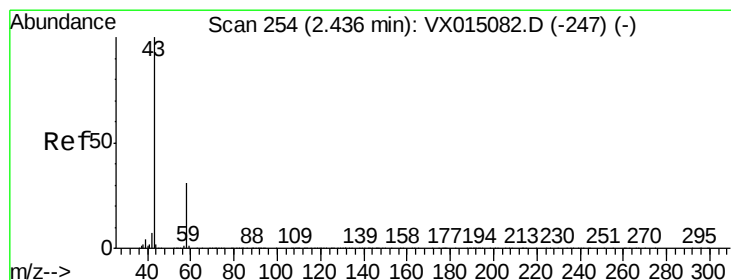
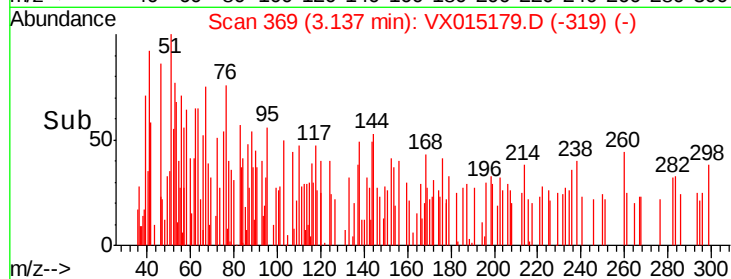
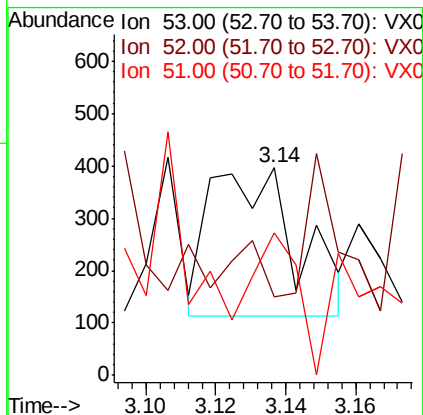
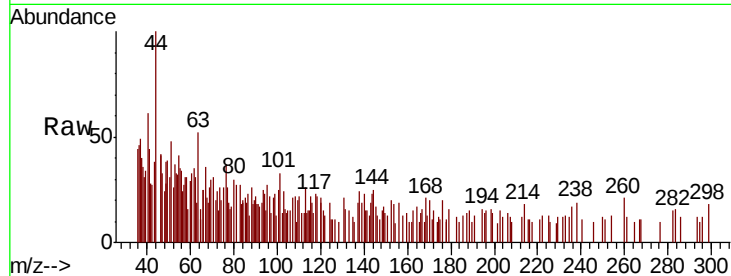
Tot Ion: 53 Resp: 484

Ion Ratio Lower Upper

53 100

52 0.0 66.6 100.0#

51 51.0 29.0 43.6#



#16

Acetone

Concen: 0.472 ug/l

RT: 2.44 min Scan# 255

Delta R.T. 0.01 min

Lab File: VX015179.D

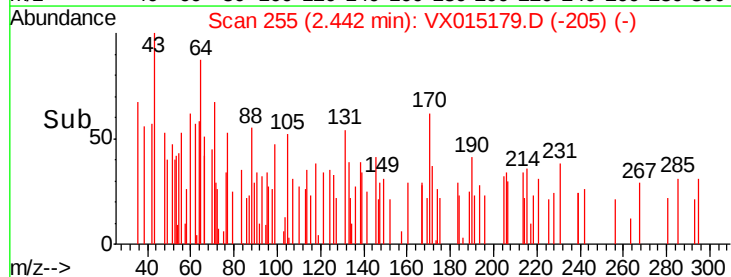
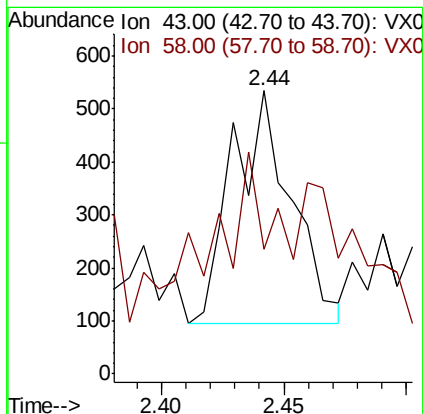
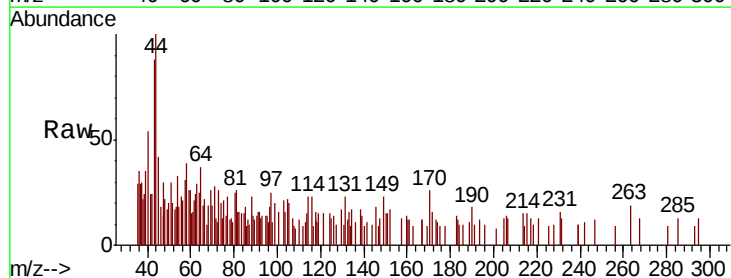
Acq: 10 Mar 2020 18:20

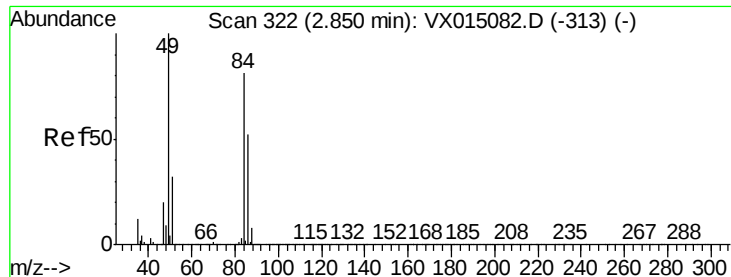
Tgt Ion: 43 Resp: 741

Ion Ratio Lower Upper

43 100

58 4.1 24.8 37.2#

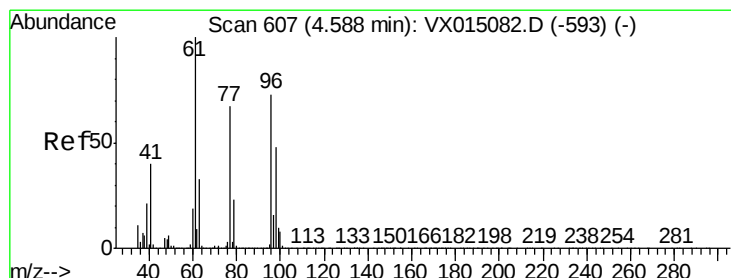
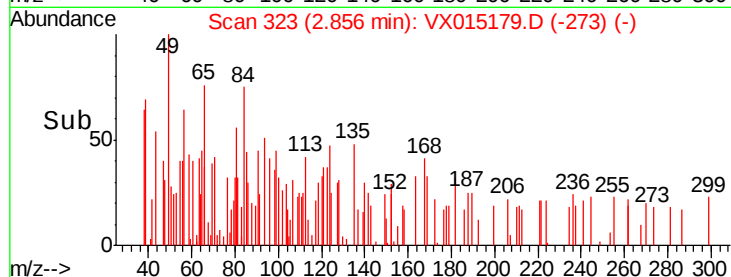
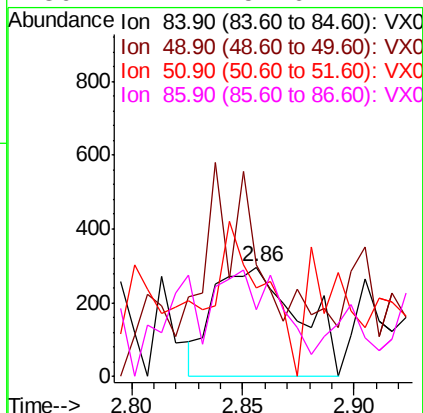
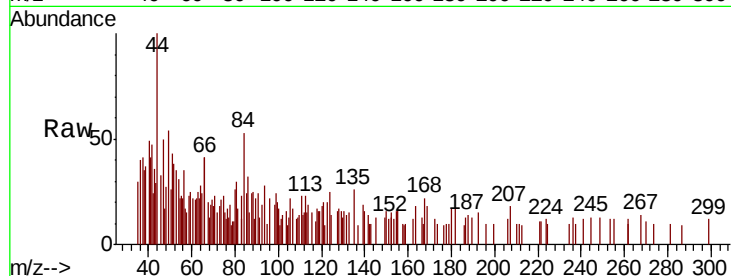




#20
Methvlene Chloride
Concen: 0.212 ug/l
RT: 2.86 min Scan# 323
Delta R.T. 0.01 min
Lab File: VX015179.D
Acq: 10 Mar 2020 18:20

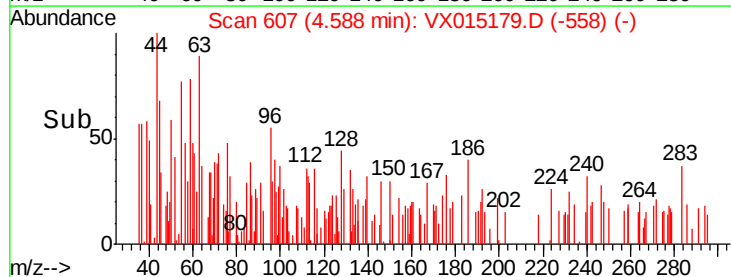
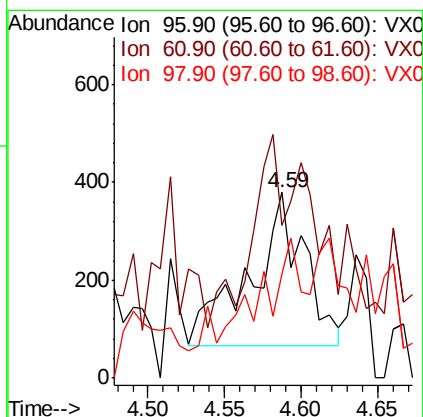
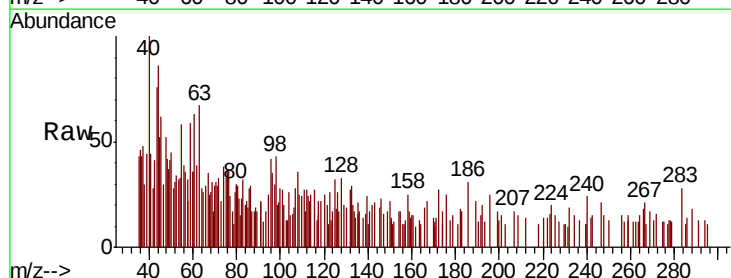
Instrument :
MSVOA_X
ClientSampled :

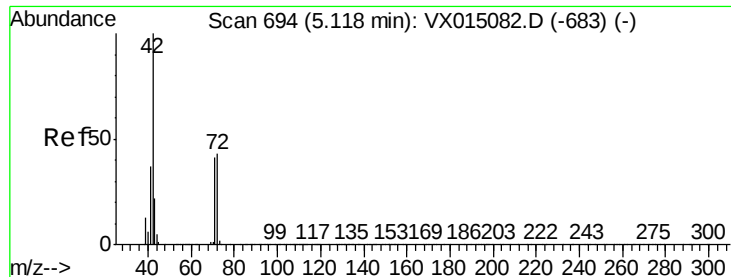
Tot Ion: 84 Resp: 780
Ion Ratio Lower Upper
84 100
49 58.4 99.4 149.2#
51 11.1 31.5 47.3#
86 12.2 51.6 77.4#



#27
cis-1,2-Dichloroethene
Concen: 0.206 ug/l
RT: 4.59 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX015179.D
Acq: 10 Mar 2020 18:20

Tgt Ion: 96 Resp: 782
Ion Ratio Lower Upper
96 100
61 47.2 0.0 286.8
98 46.8 0.0 128.4





#29

Tetrahydrofuran

Concen: 0.288 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX015179.D

Acq: 10 Mar 2020 18:20

Instrument :

MSVOA_X

ClientSampleId :

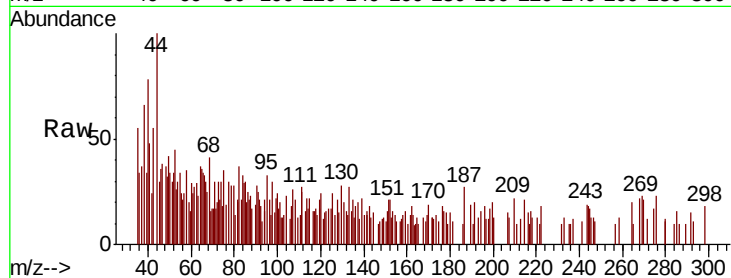
Tot Ion: 42 Resp: 426

Ion Ratio Lower Upper

42 100

72 86.4 36.4 54.6#

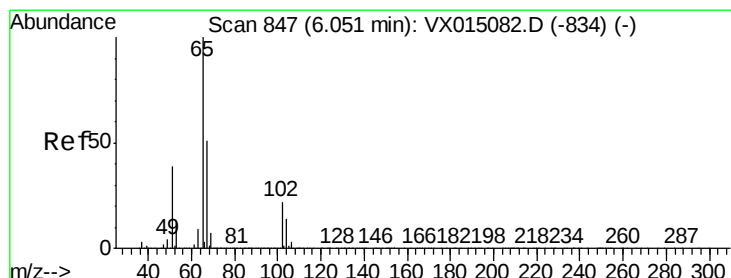
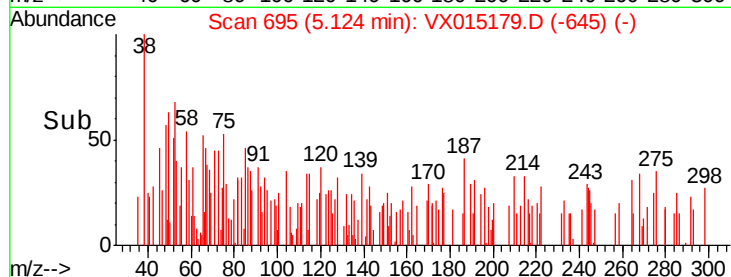
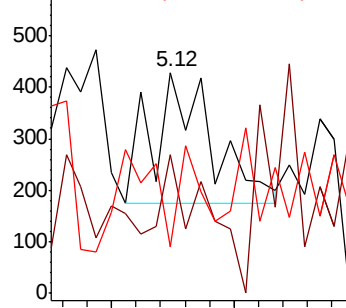
71 30.5 33.3 49.9#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 52.505 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX015179.D

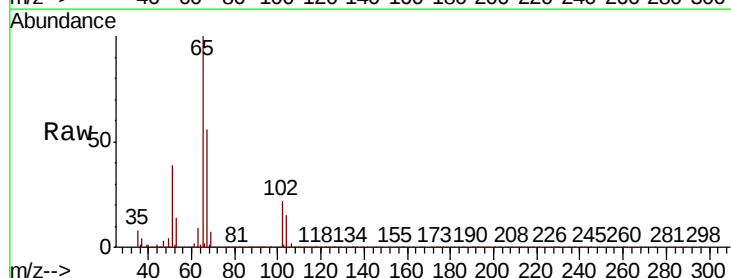
Acq: 10 Mar 2020 18:20

Tgt Ion: 65 Resp: 203532

Ion Ratio Lower Upper

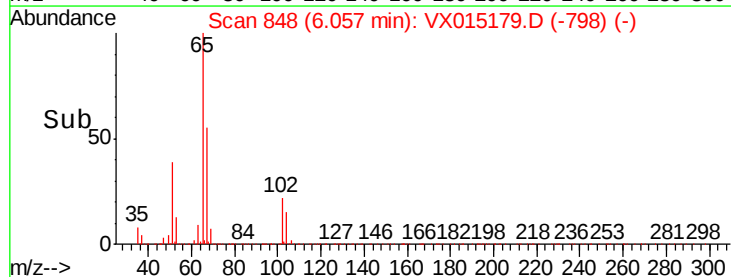
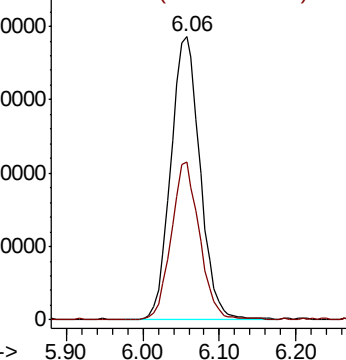
65 100

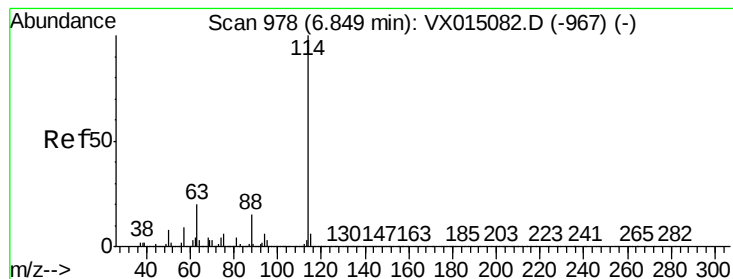
67 54.2 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX015179.D

Acq: 10 Mar 2020 18:20

Instrument :

MSVOA_X

ClientSampleId :

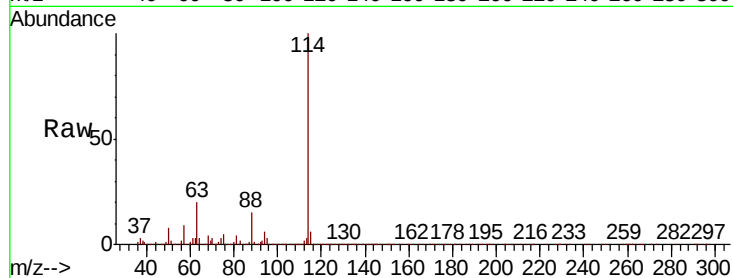
Tot Ion:114 Resp: 538894

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.0

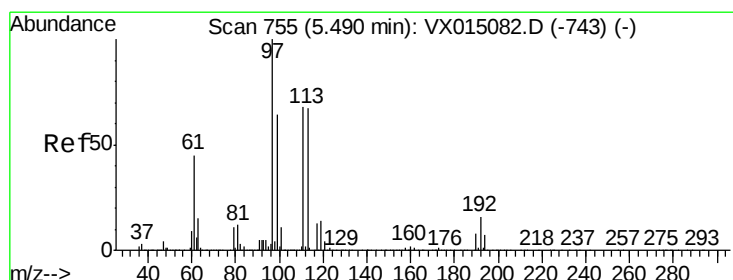
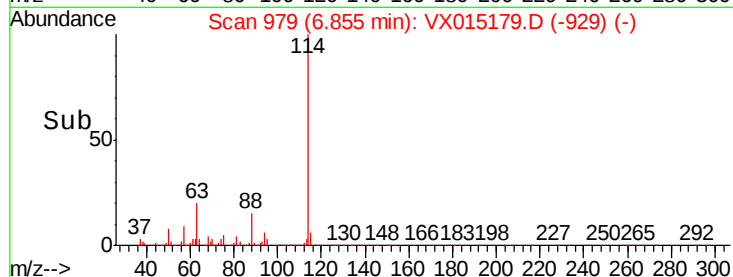
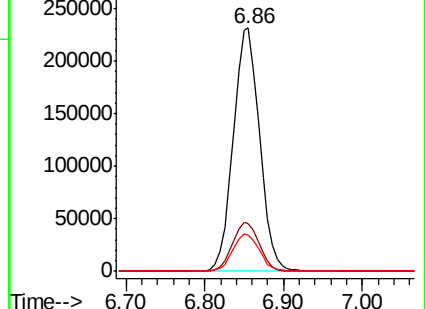
88 14.6 0.0 30.6



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: 50.131 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX015179.D

Acq: 10 Mar 2020 18:20

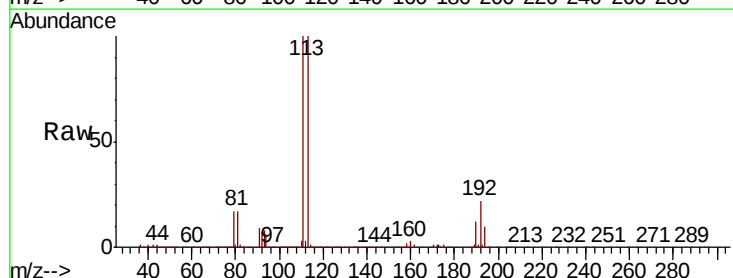
Tgt Ion:113 Resp: 170432

Ion Ratio Lower Upper

113 100

111 102.4 82.6 123.8

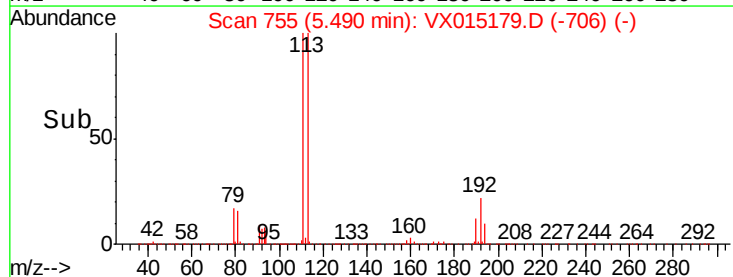
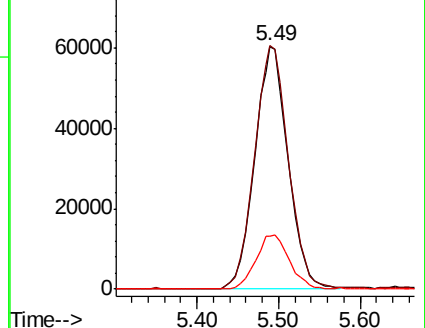
192 22.8 18.6 28.0

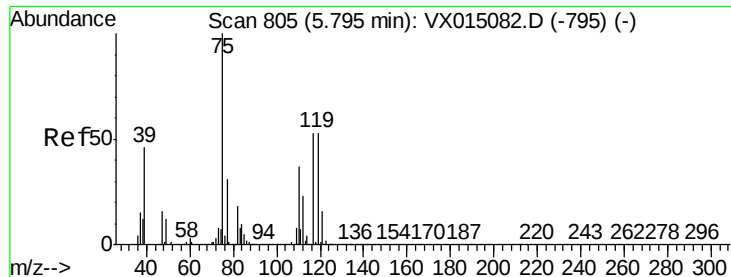


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

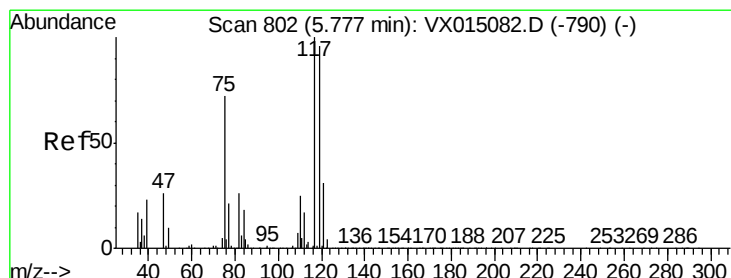
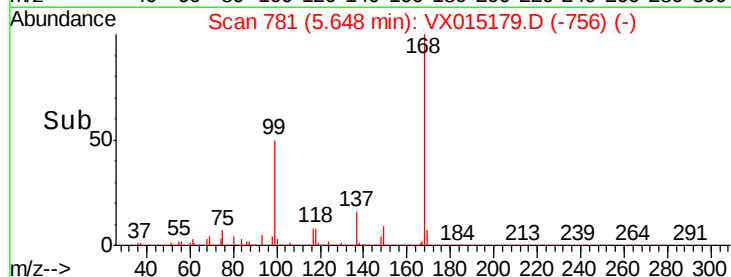
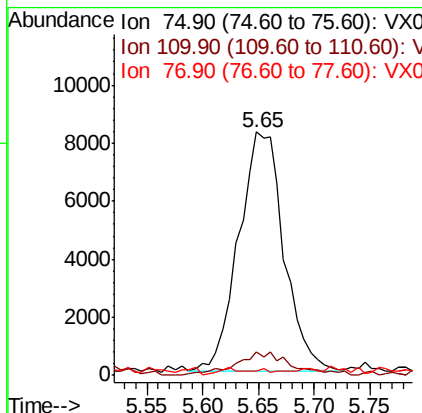
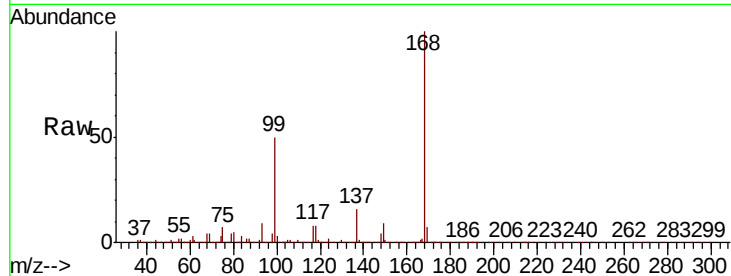




#36
 1,1-Dichloropropene
 Concen: 4.684 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.15 min
 Lab File: VX015179.D
 Acq: 10 Mar 2020 18:20

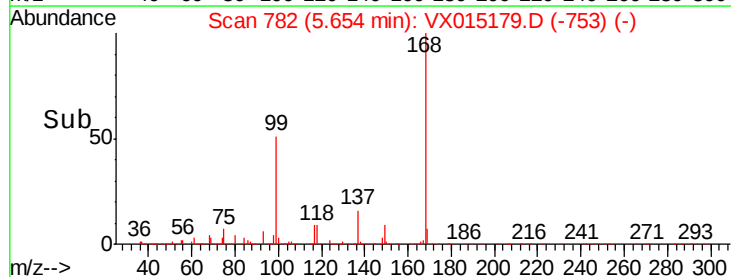
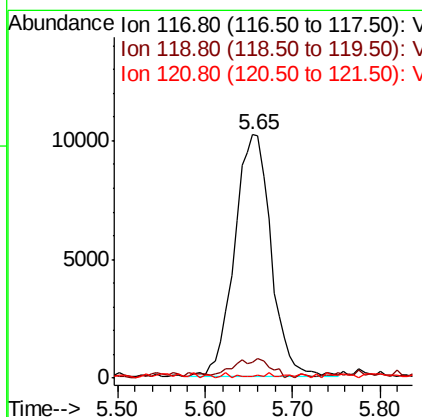
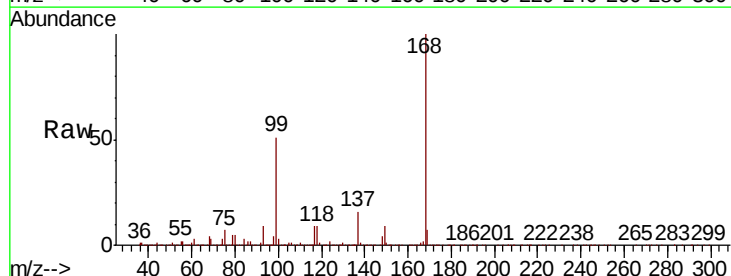
Instrument :
 MSVOA_X
 ClientSampled :

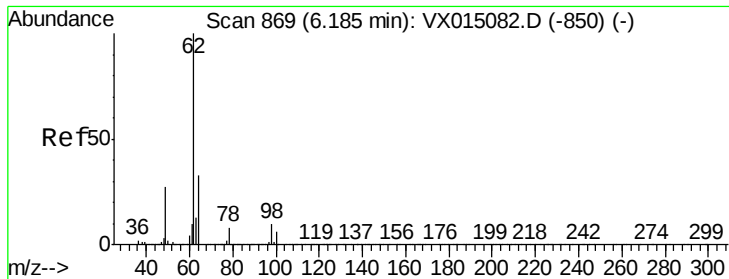
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.8	17.9	53.8#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.263 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX015179.D
 Acq: 10 Mar 2020 18:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	76.9	115.3#
121	0.8	24.6	37.0#





#42

1,2-Dichloroethane

Concen: 0.208 ug/l

RT: 6.19 min Scan# 870

Delta R.T. 0.01 min

Lab File: VX015179.D

Acq: 10 Mar 2020 18:20

Instrument :

MSVOA_X

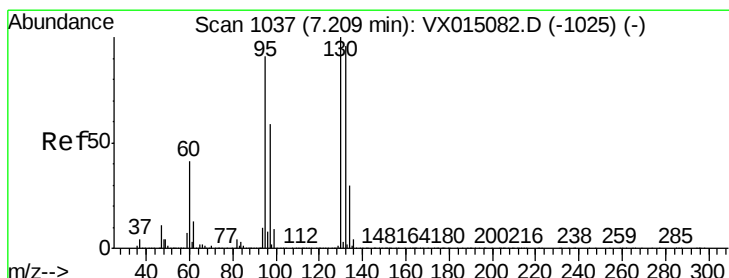
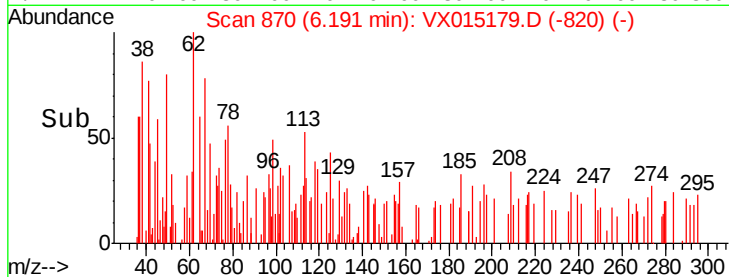
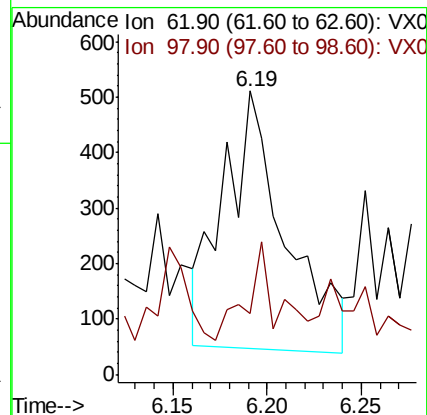
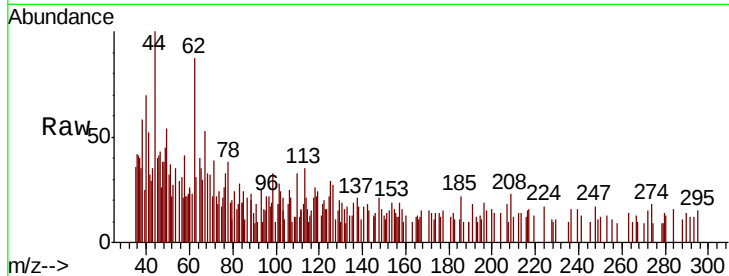
ClientSampled :

Tot Ion: 62 Resp: 1057

Ion Ratio Lower Upper

62 100

98 21.9 0.0 20.6#



#44

Trichloroethene

Concen: 49.425 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VX015179.D

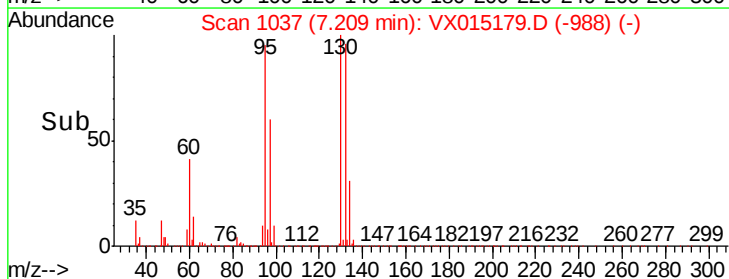
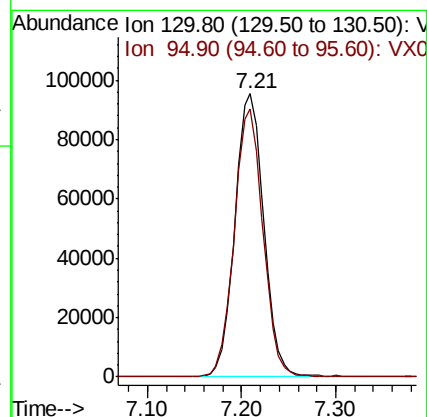
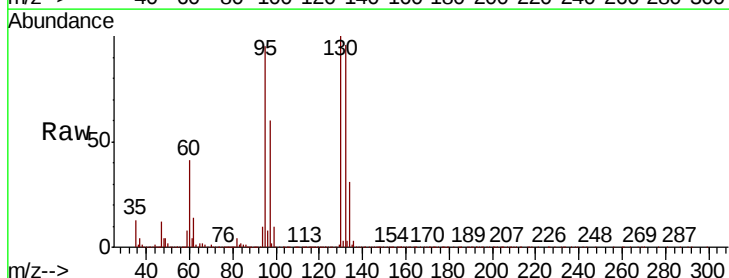
Acq: 10 Mar 2020 18:20

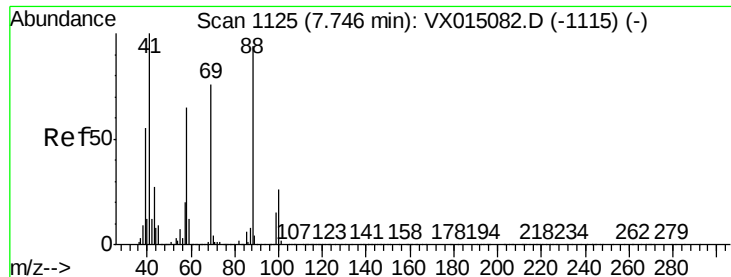
Tgt Ion:130 Resp: 203445

Ion Ratio Lower Upper

130 100

95 94.5 0.0 181.2

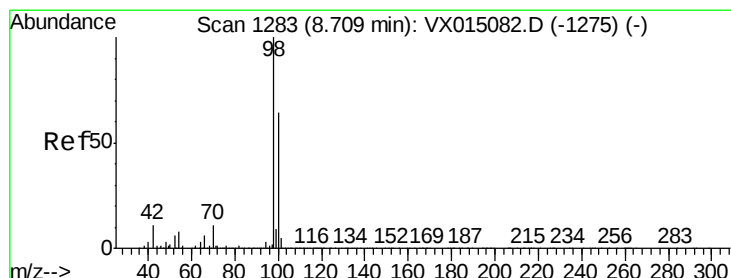
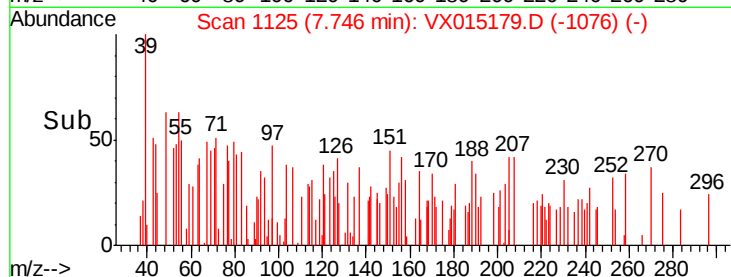
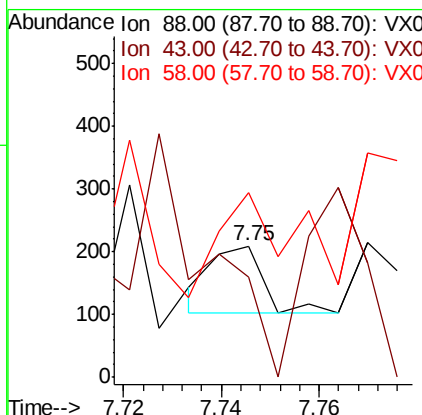
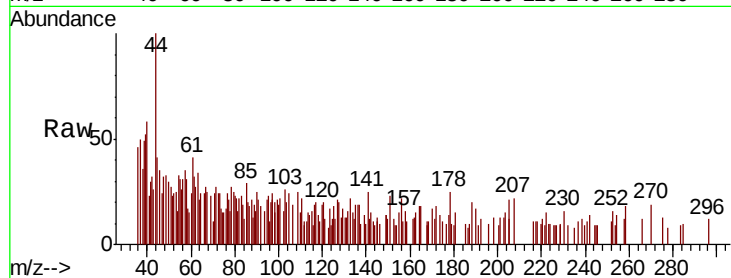




#49
1,4-Dioxane
Concen: 0.883 ug/l
RT: 7.75 min Scan# 1125
Delta R.T. -0.00 min
Lab File: VX015179.D
Acq: 10 Mar 2020 18:20

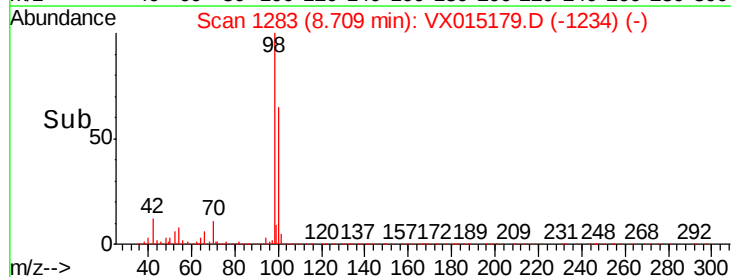
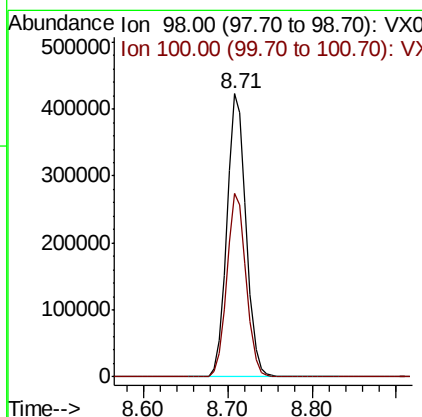
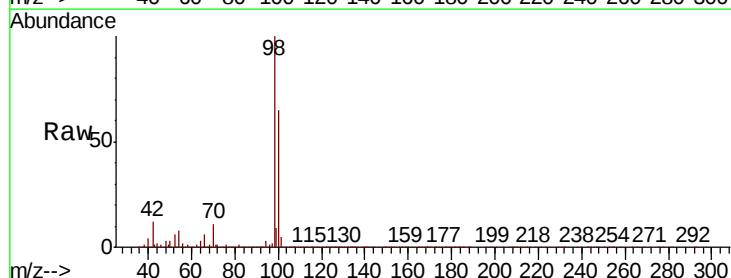
Instrument :
MSVOA_X
ClientSampleId :

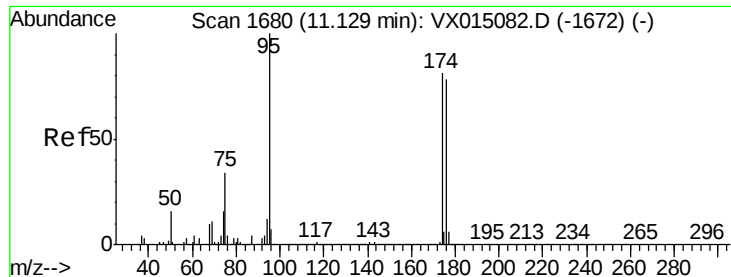
Tot Ion: 88 Resp: 79
Ion Ratio Lower Upper
88 100
43 0.0 27.0 40.4#
58 158.2 55.6 83.4#



#50
Toluene-d8
Concen: 50.767 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX015179.D
Acq: 10 Mar 2020 18:20

Tgt Ion: 98 Resp: 656524
Ion Ratio Lower Upper
98 100
100 65.3 52.4 78.6





#62

4-Bromofluorobenzene

Concen: 51.469 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX015179.D

Acq: 10 Mar 2020 18:20

Instrument :

MSVOA_X

ClientSampleId :

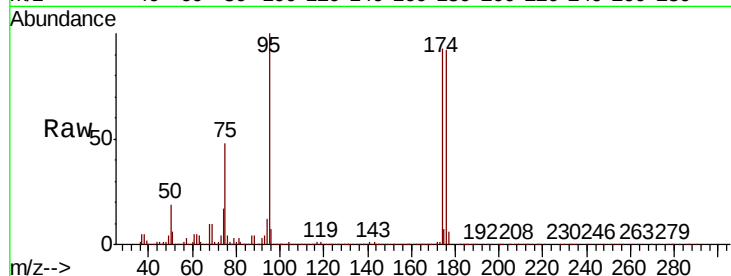
Tot Ion: 95 Resp: 237410

Ion Ratio Lower Upper

95 100

174 90.1 0.0 177.6

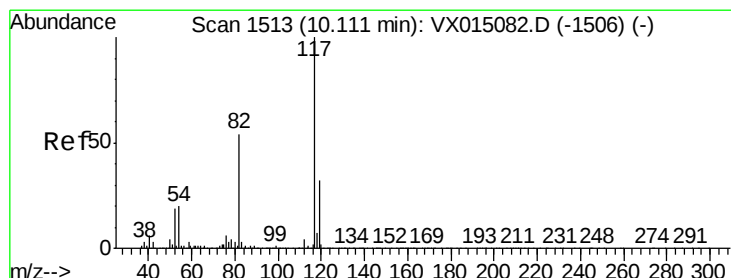
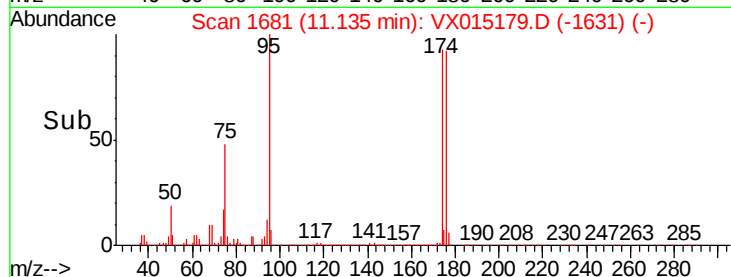
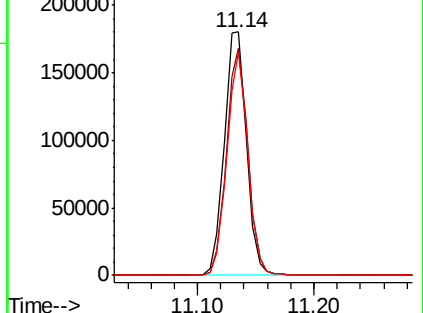
176 86.9 0.0 170.2



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: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX015179.D

Acq: 10 Mar 2020 18:20

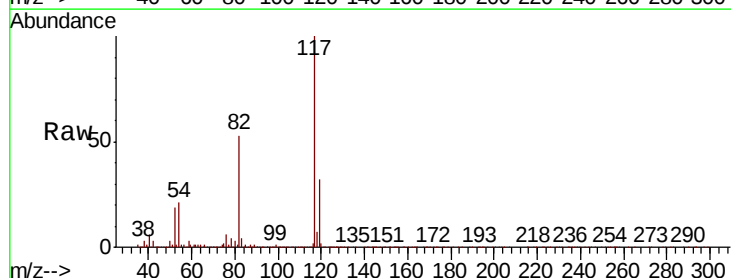
Tgt Ion: 117 Resp: 522018

Ion Ratio Lower Upper

117 100

82 53.4 43.3 64.9

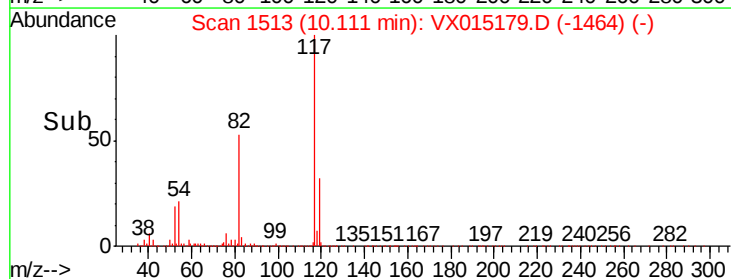
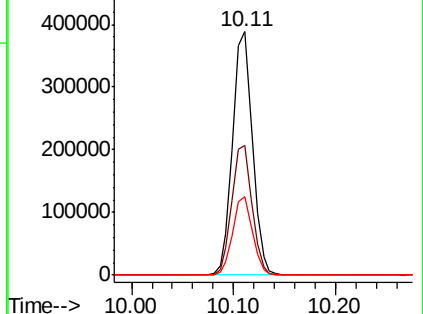
119 32.4 25.8 38.8

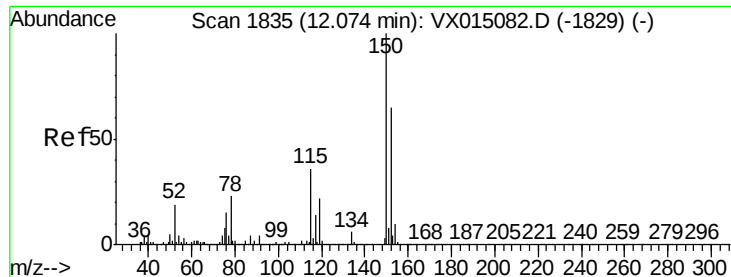


Abundance Ion 116.90 (116.60 to 117.60): V

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: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX015179.D

Acq: 10 Mar 2020 18:20

Instrument :

MSVOA_X

ClientSampleId :

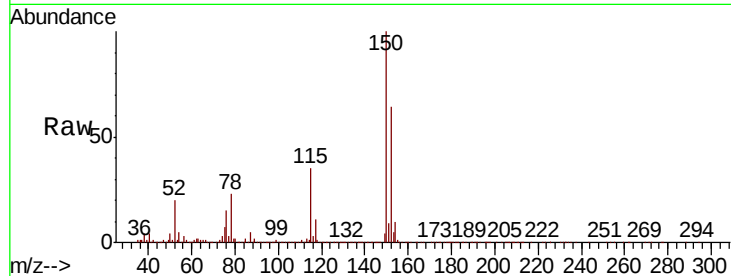
Tot Ion:152 Resp: 263285

Ion Ratio Lower Upper

152 100

115 55.8 38.2 114.6

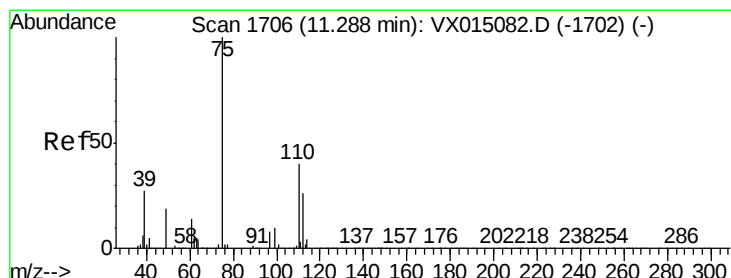
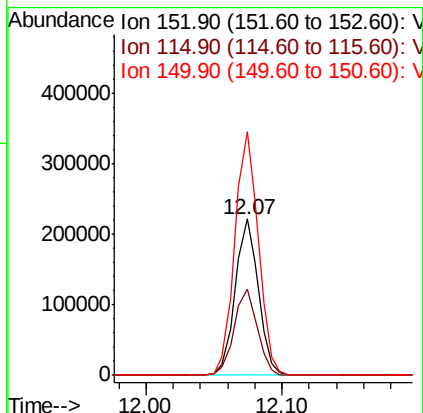
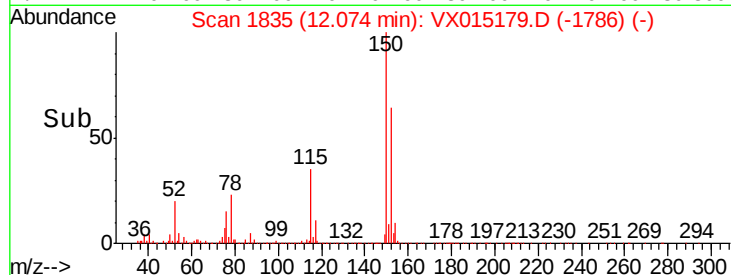
150 158.0 0.0 343.8



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: 22.261 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015179.D

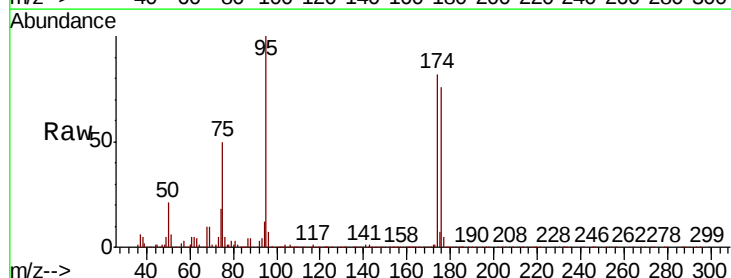
Acq: 10 Mar 2020 18:20

Tgt Ion: 75 Resp: 116909

Ion Ratio Lower Upper

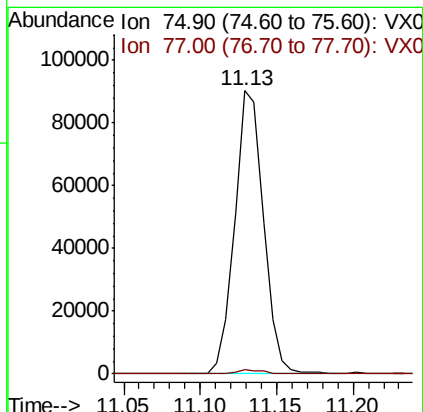
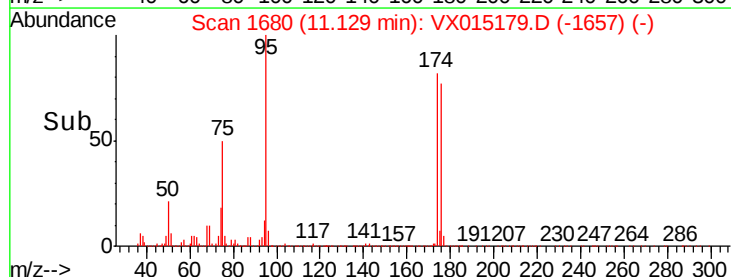
75 100

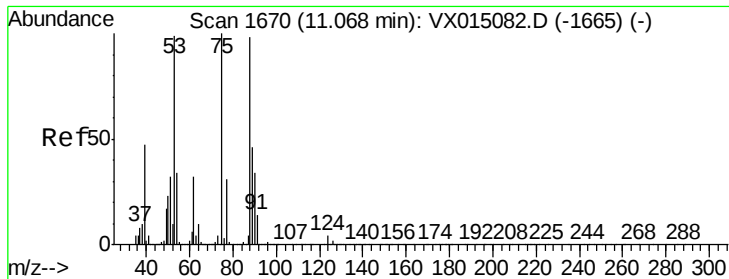
77 1.5 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

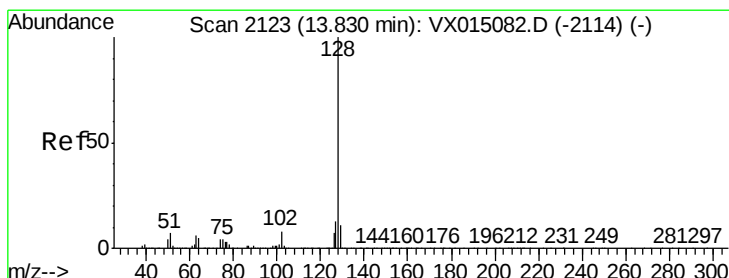
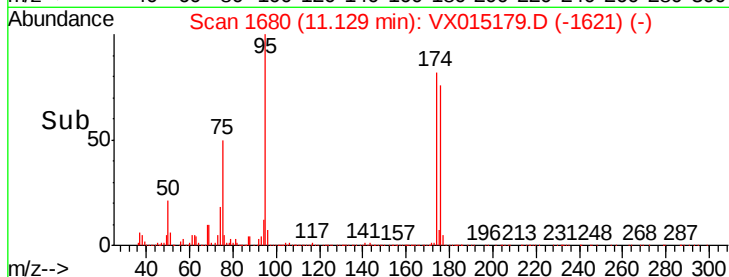
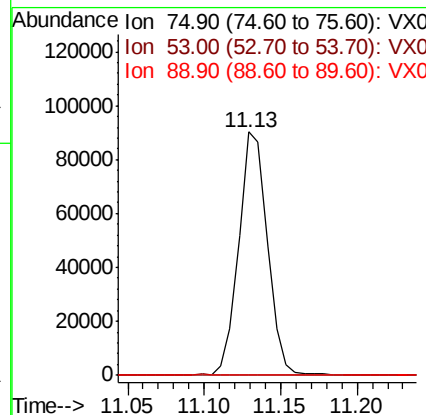
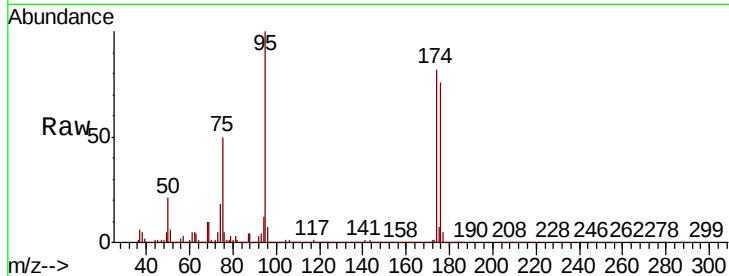




#81
trans-1,4-Dichloro-2-butene
Concen: 63.177 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX015179.D
Acq: 10 Mar 2020 18:20

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 116909
Ion Ratio Lower Upper
75 100
53 0.2 77.9 116.9#
89 0.1 36.2 54.2#



#95
Naphthalene
Concen: 1.445 ug/l
RT: 13.84 min Scan# 2125
Delta R.T. 0.01 min
Lab File: VX015179.D
Acq: 10 Mar 2020 18:20

Tgt Ion:128 Resp: 451
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 43.0 8.6 13.0#

