

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031020\
 Data File : VX015182.D
 Acq On : 10 Mar 2020 19:28
 Operator : JC/SP
 Sample : L1842-28DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 11 07:33:02 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	302103	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	495799	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	487936	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	261118	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	191297	53.37	ug/l	0.00
Spiked Amount			Recovery	=	106.74%	
35) Dibromofluoromethane	5.48	113	155671	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	
50) Toluene-d8	8.71	98	611355	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	
62) 4-Bromofluorobenzene	11.14	95	230426	54.30	ug/l	0.00
Spiked Amount			Recovery	=	108.60%	

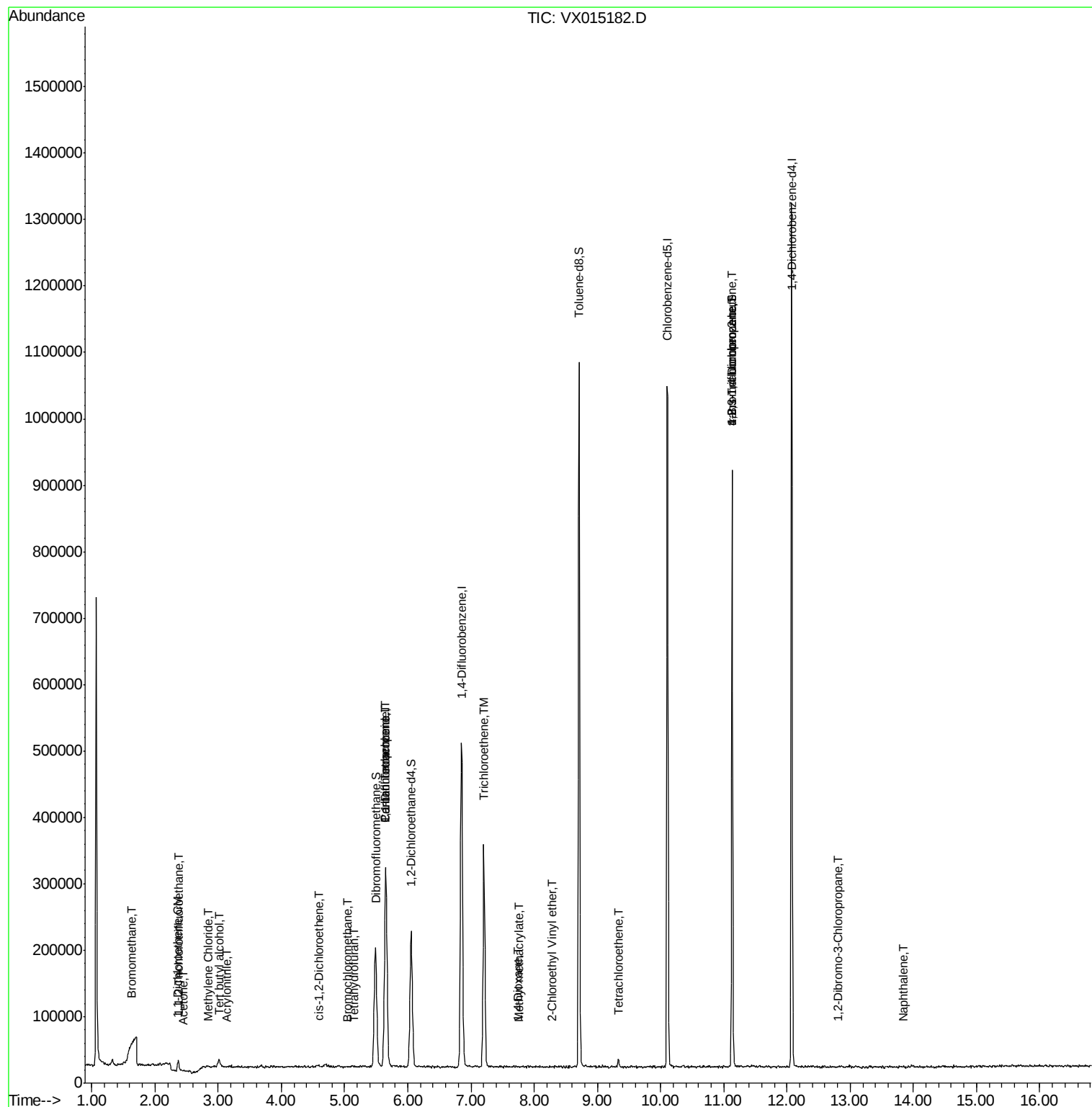
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	880	0.377	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.37	101	5764	2.026	ug/l	92
11) Tert butyl alcohol	3.01	59	7995	12.857	ug/l #	82
12) 1,1-Dichloroethene	2.36	96	2167	0.738	ug/l	89
15) Acrylonitrile	3.13	53	381	0.246	ug/l #	80
16) Acetone	2.44	43	1547	1.066	ug/l #	71
20) Methylene Chloride	2.84	84	1037	0.305	ug/l #	61
27) cis-1,2-Dichloroethene	4.59	96	2900	0.825	ug/l	72
28) Bromochloromethane	5.05	49	680	0.264	ug/l #	48
29) Tetrahydrofuran	5.14	42	378	0.276	ug/l #	50
36) 1,1-Dichloropropene	5.65	75	22988	5.015	ug/l #	52
38) Carbon Tetrachloride	5.65	117	26916	6.221	ug/l #	17
44) Trichloroethene	7.20	130	131885	34.825	ug/l	95
48) Methyl methacrylate	7.76	41	914	0.240	ug/l #	36
49) 1,4-Dioxane	7.75	88	336	4.082	ug/l #	8
58) 2-Chloroethyl Vinyl ether	8.29	63	625	0.235	ug/l	96
64) Tetrachloroethene	9.33	164	2740	0.679	ug/l #	86
76) 1,2,3-Trichloropropane	11.13	75	117077	22.478	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	117077	63.793	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	12.81	75	292	0.262	ug/l	81
95) Naphthalene	13.84	128	144	1.428	ug/l #	1

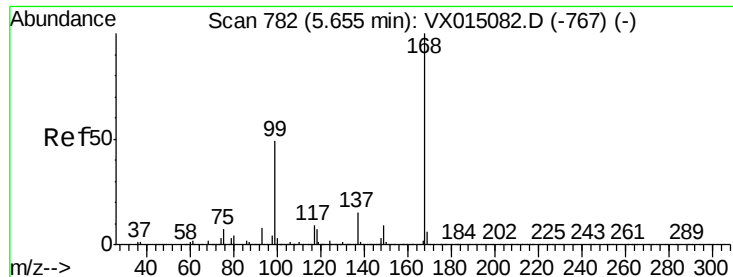
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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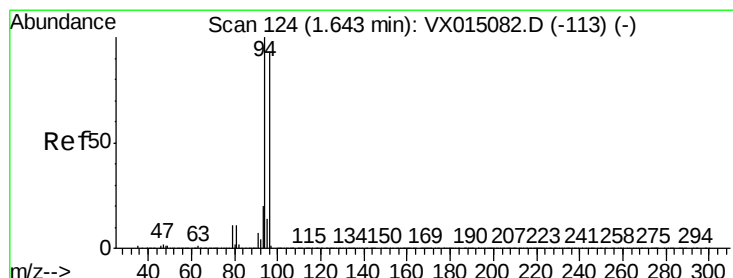
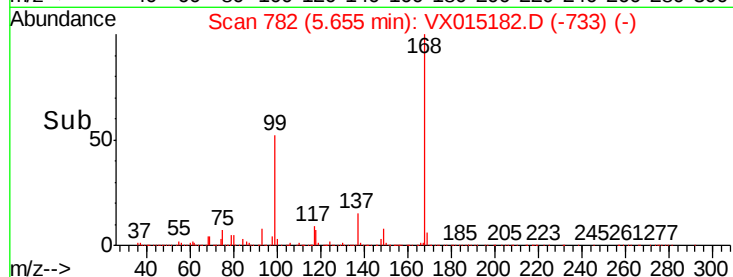
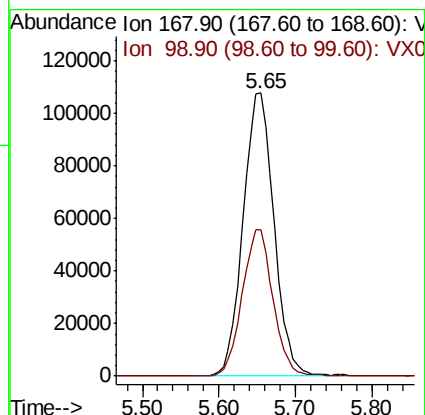
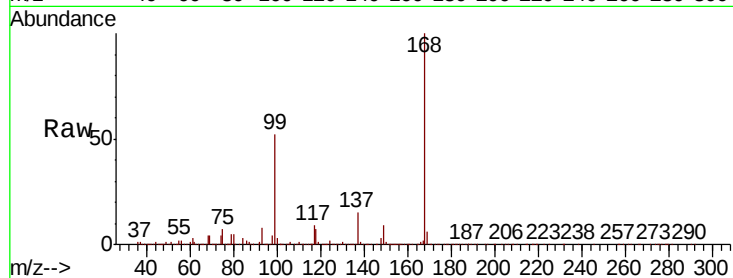




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.00 min
Lab File: VX015182.D
Acq: 10 Mar 2020 19:28

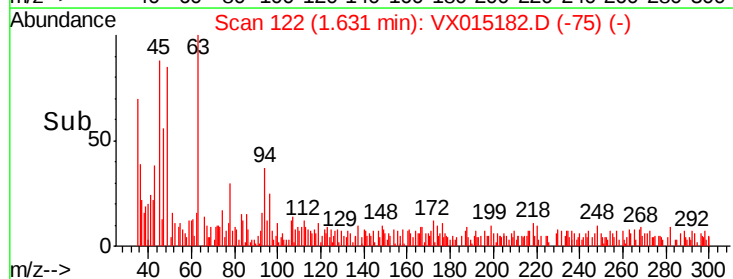
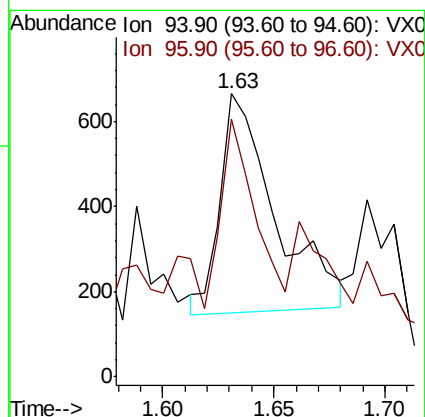
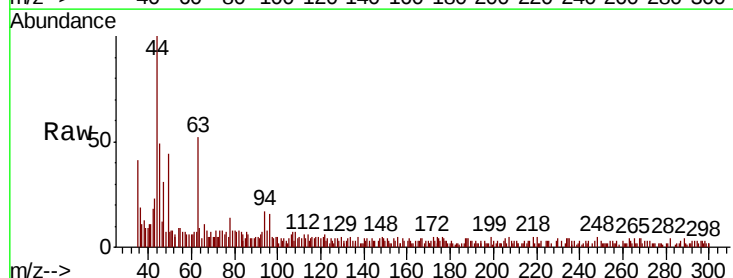
Instrument :
MSVOA_X
ClientSampleId :

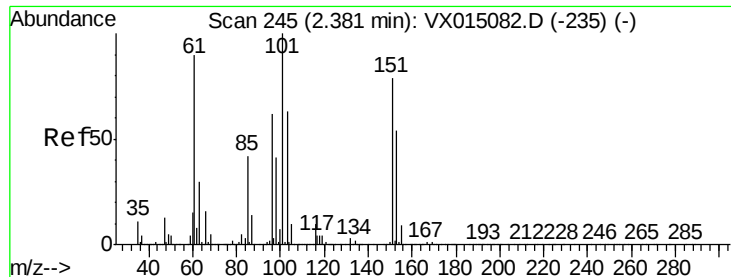
Tot Ion:168 Resp: 302103
Ion Ratio Lower Upper
168 100
99 51.5 39.4 59.2



#5
Bromomethane
Concen: 0.377 ug/l
RT: 1.63 min Scan# 122
Delta R.T. -0.01 min
Lab File: VX015182.D
Acq: 10 Mar 2020 19:28

Tgt Ion: 94 Resp: 880
Ion Ratio Lower Upper
94 100
96 81.9 74.6 111.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.026 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.01 min

Lab File: VX015182.D

Acq: 10 Mar 2020 19:28

Instrument :

MSVOA_X

ClientSampleId :

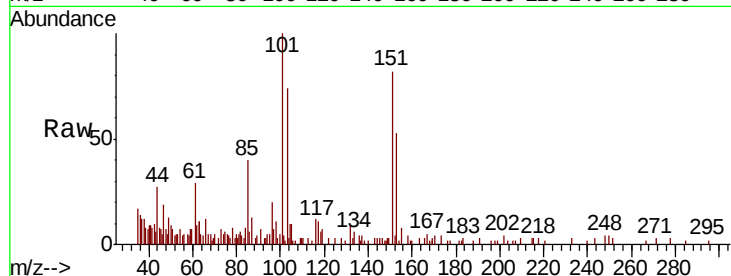
Tot Ion:101 Resp: 5764

Ion Ratio Lower Upper

101 100

85 47.0 33.7 50.5

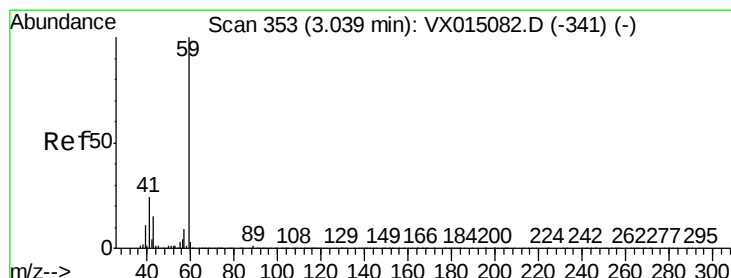
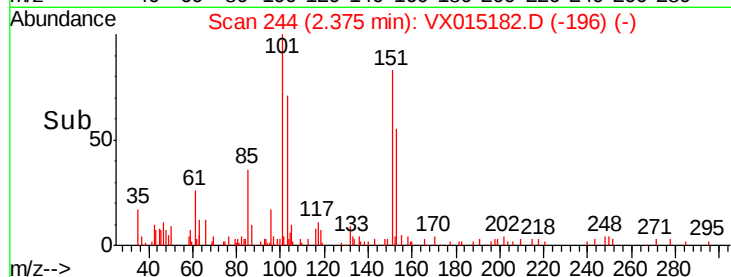
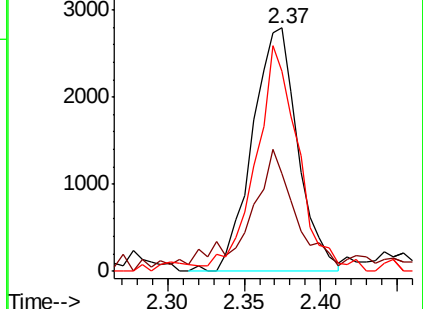
151 87.1 64.0 96.0



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



#11

Tert butyl alcohol

Concen: 12.857 ug/l

RT: 3.01 min Scan# 349

Delta R.T. -0.02 min

Lab File: VX015182.D

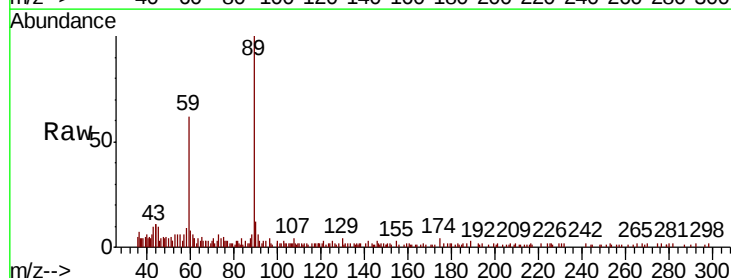
Acq: 10 Mar 2020 19:28

Tgt Ion: 59 Resp: 7995

Ion Ratio Lower Upper

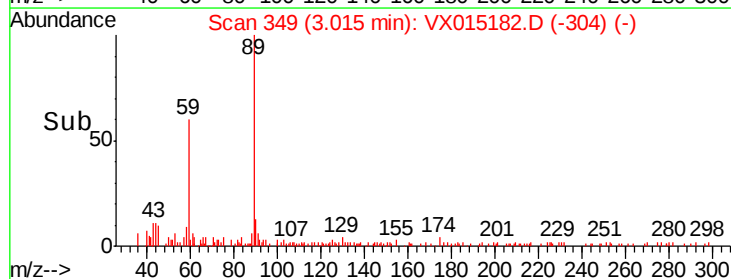
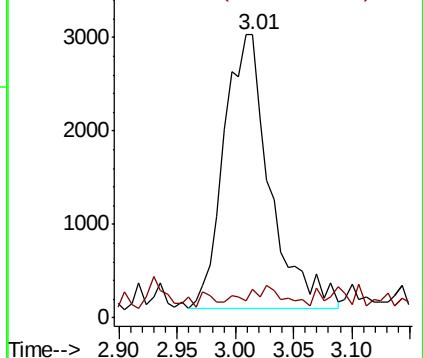
59 100

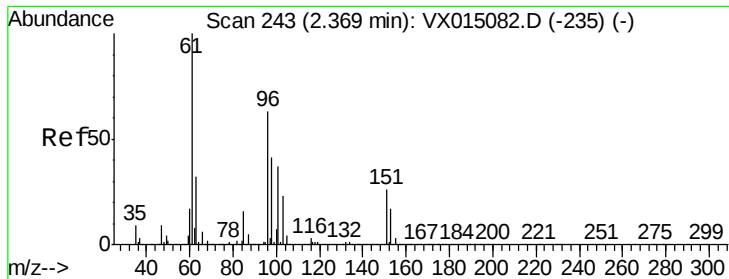
57 3.4 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 0.738 ug/l

RT: 2.36 min Scan# 241

Delta R.T. -0.01 min

Lab File: VX015182.D

Acq: 10 Mar 2020 19:28

Instrument :

MSVOA_X

ClientSampleId :

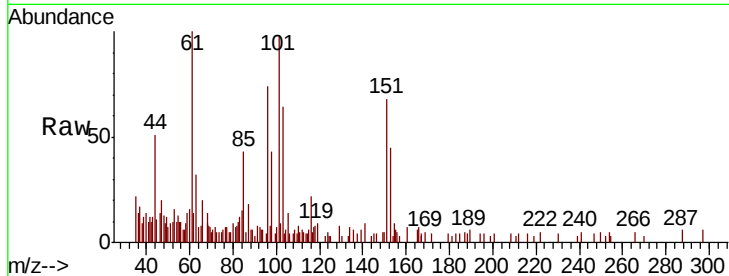
Tot Ion: 96 Resp: 2167

Ion Ratio Lower Upper

96 100

61 137.9 126.2 189.4

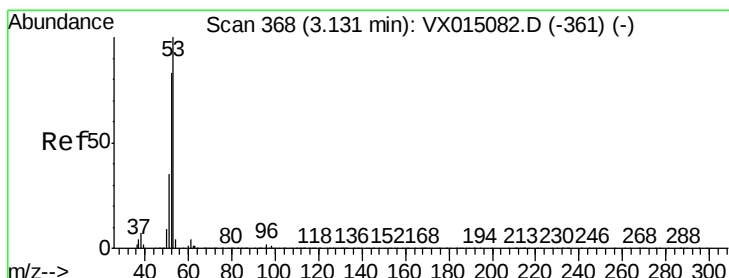
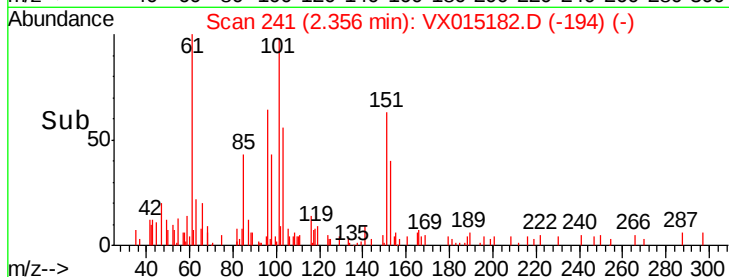
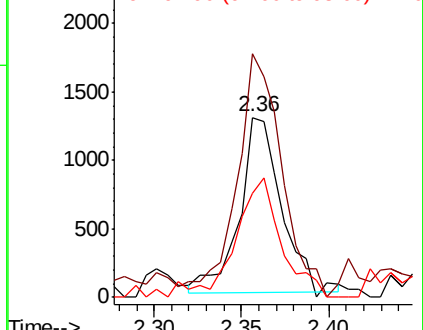
98 62.5 51.4 77.0



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#15

Acrylonitrile

Concen: 0.246 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX015182.D

Acq: 10 Mar 2020 19:28

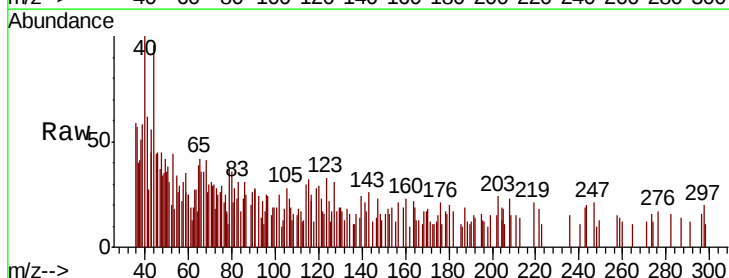
Tgt Ion: 53 Resp: 381

Ion Ratio Lower Upper

53 100

52 103.1 66.6 100.0#

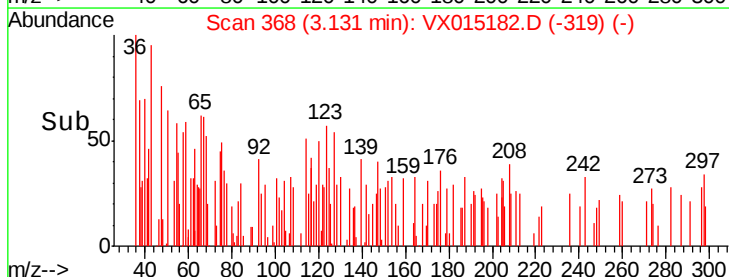
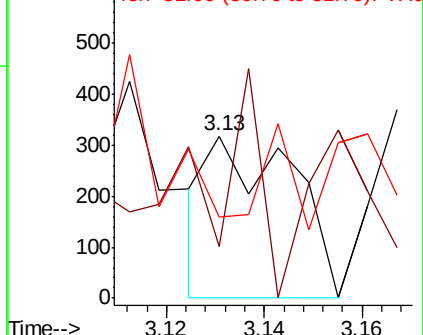
51 45.7 29.0 43.6#

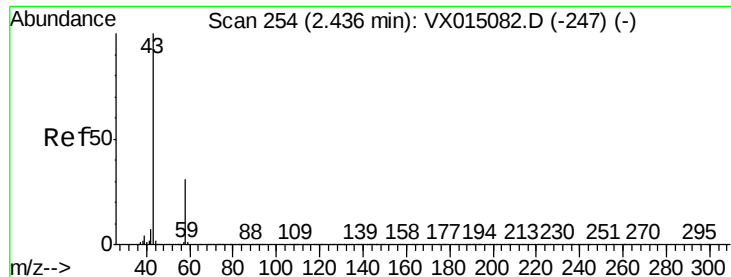


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

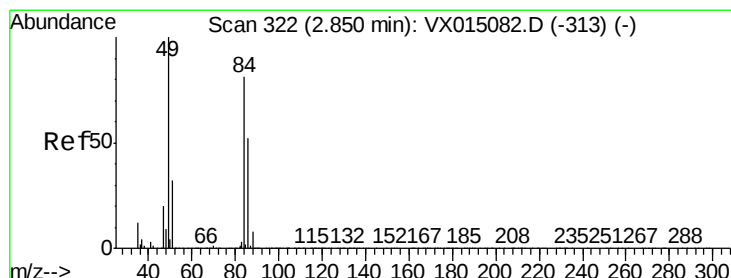
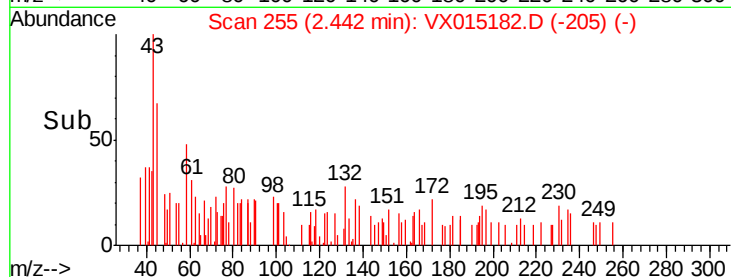
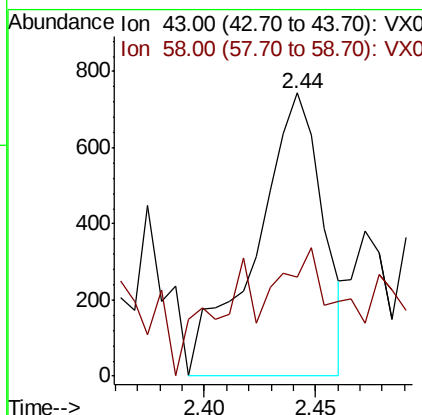
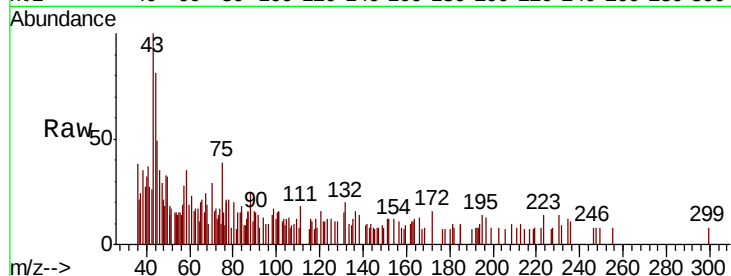




#16
Acetone
Concen: 1.066 ug/l
RT: 2.44 min Scan# 255
Delta R.T. 0.01 min
Lab File: VX015182.D
Acq: 10 Mar 2020 19:28

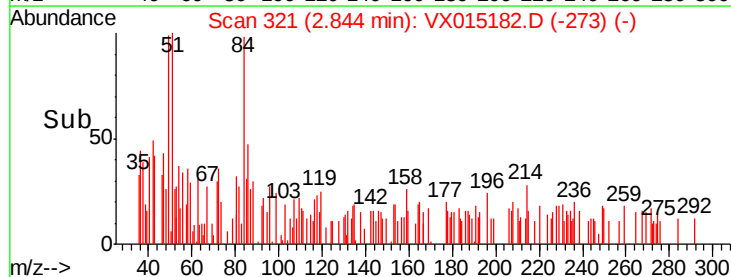
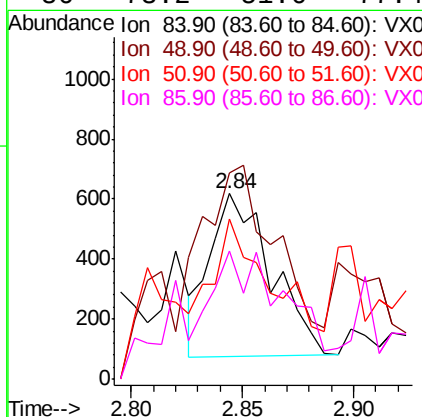
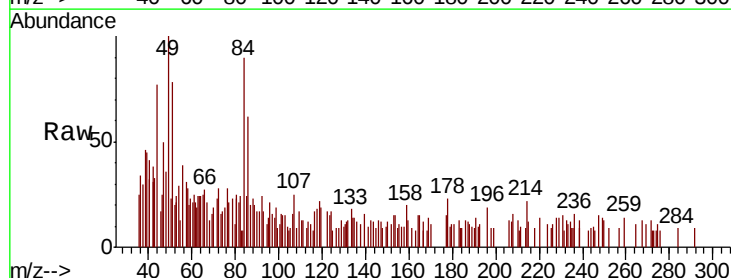
Instrument :
MSVOA_X
ClientSampled :

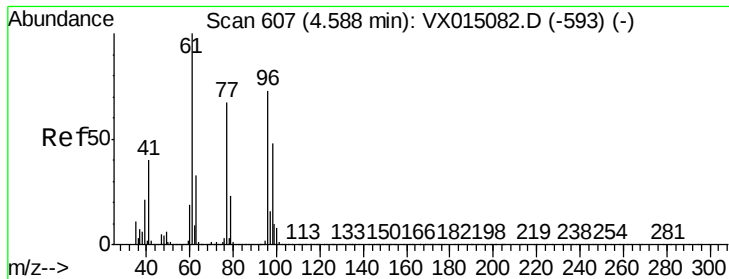
Tot Ion: 43 Resp: 1547
Ion Ratio Lower Upper
43 100
58 14.9 24.8 37.2#



#20
Methylene Chloride
Concen: 0.305 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX015182.D
Acq: 10 Mar 2020 19:28

Tgt Ion: 84 Resp: 1037
Ion Ratio Lower Upper
84 100
49 67.8 99.4 149.2#
51 71.8 31.5 47.3#
86 73.2 51.6 77.4



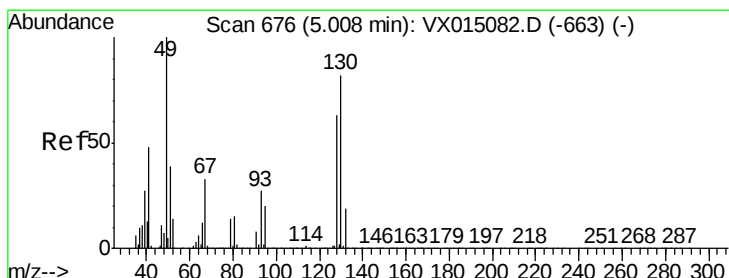
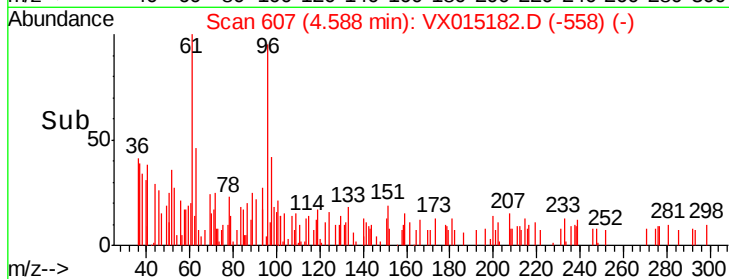
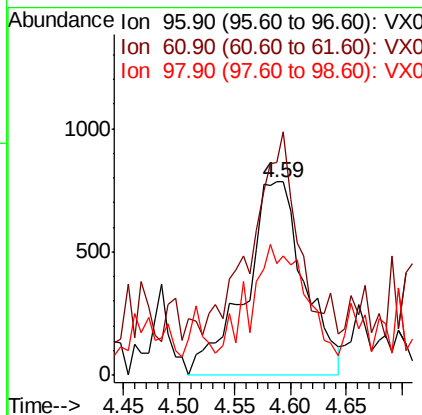
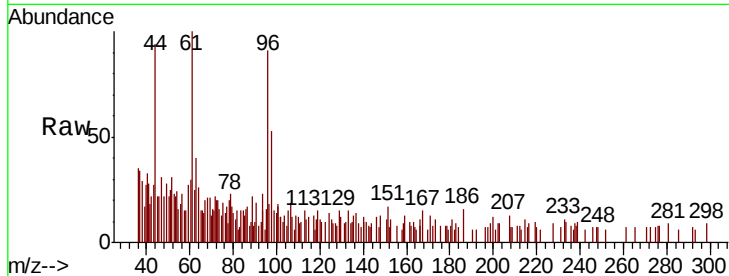


#27

cis-1,2-Dichloroethene
Concen: 0.825 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX015182.D
Acq: 10 Mar 2020 19:28

Instrument :
MSVOA_X
ClientSampled :

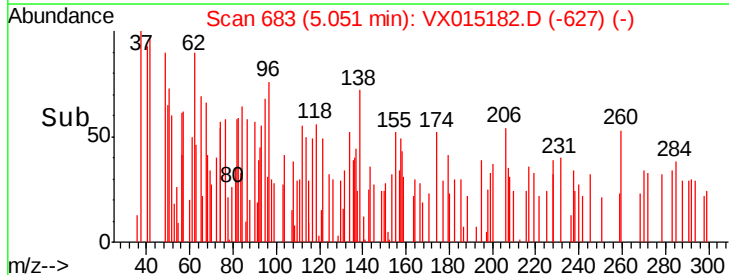
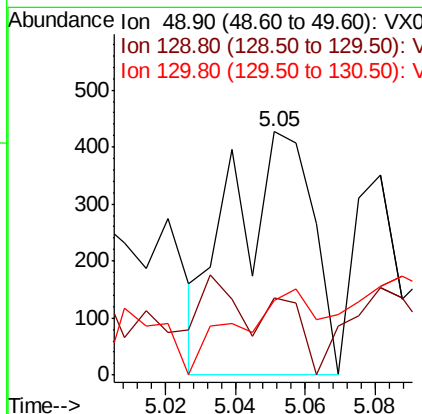
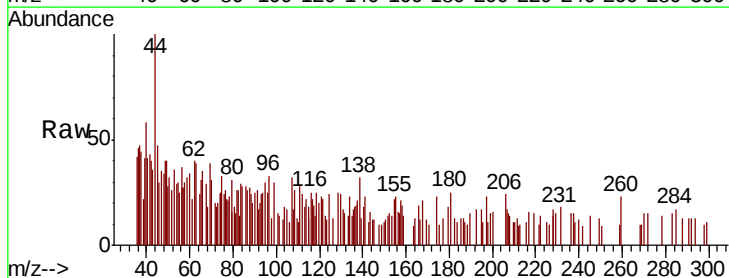
Tot Ion	Ratio	Lower	Upper
96	100		
61	102.8	0.0	286.8
98	50.9	0.0	128.4

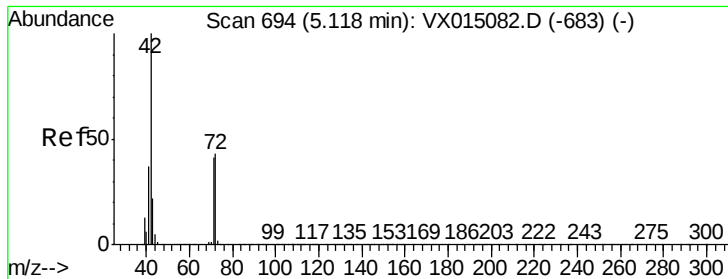


#28

Bromochloromethane
Concen: 0.264 ug/l
RT: 5.05 min Scan# 683
Delta R.T. 0.04 min
Lab File: VX015182.D
Acq: 10 Mar 2020 19:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.4
130	33.8	65.0	97.6#





#29

Tetrahydrofuran

Concen: 0.276 ug/l

RT: 5.14 min Scan# 698

Delta R.T. 0.02 min

Lab File: VX015182.D

Acq: 10 Mar 2020 19:28

Instrument :
MSVOA_X
ClientSampled :

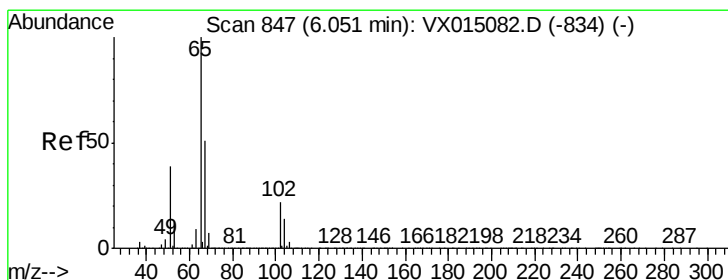
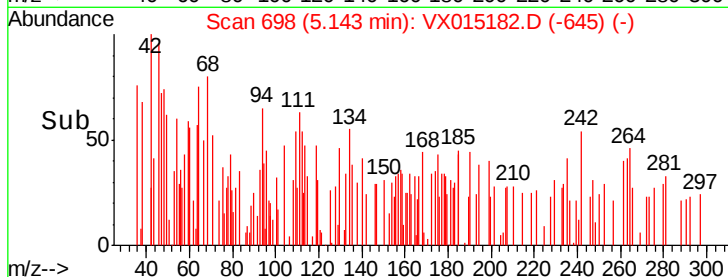
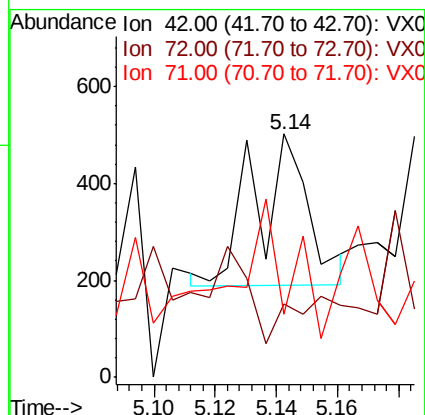
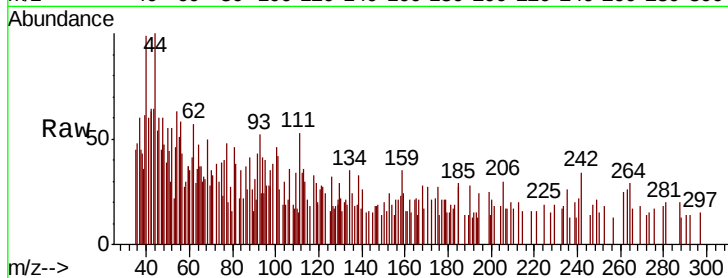
Tot Ion: 42 Resp: 378

Ion Ratio Lower Upper

42 100

72 32.5 36.4 54.6#

71 93.4 33.3 49.9#



#33

1,2-Dichloroethane-d4

Concen: 53.374 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX015182.D

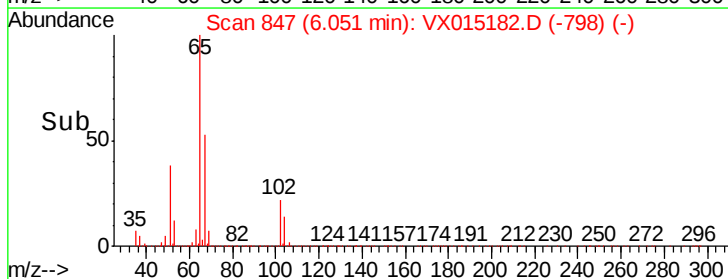
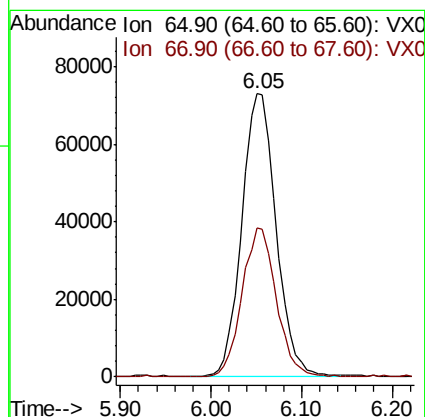
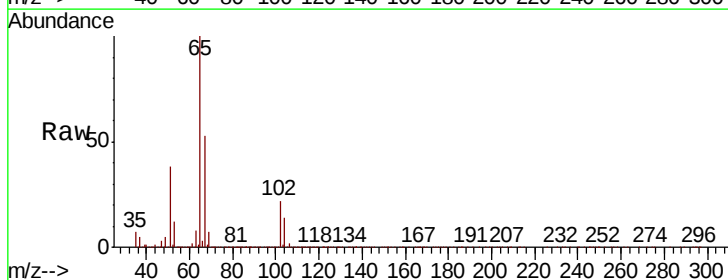
Acq: 10 Mar 2020 19:28

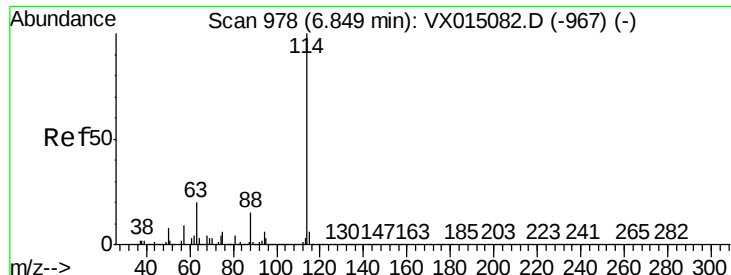
Tgt Ion: 65 Resp: 191297

Ion Ratio Lower Upper

65 100

67 52.9 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX015182.D

Acq: 10 Mar 2020 19:28

Instrument :

MSVOA_X

ClientSampleId :

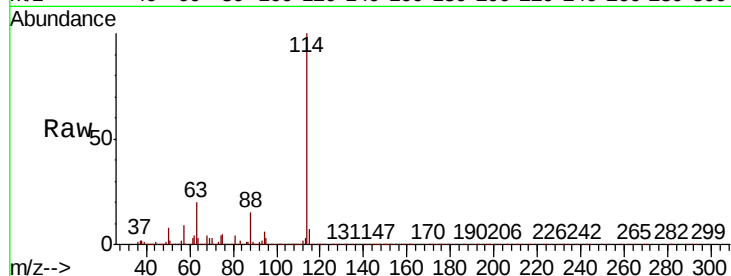
Tot Ion:114 Resp: 495799

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.0

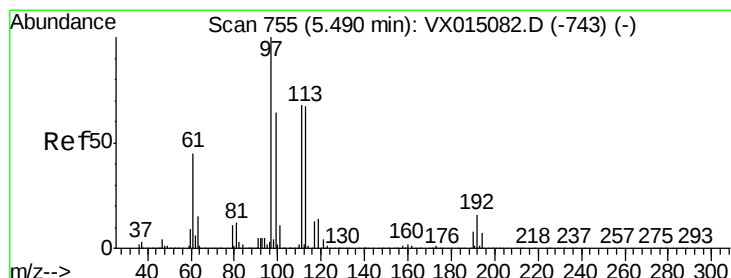
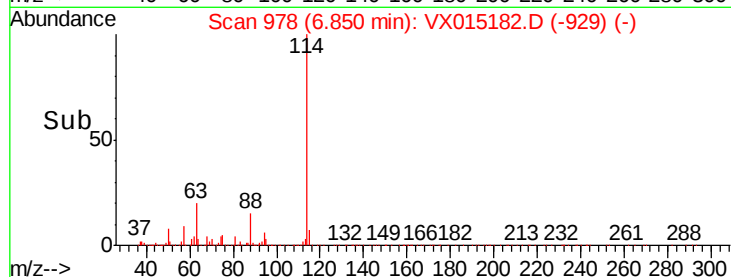
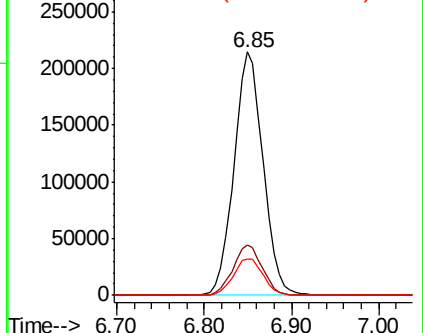
88 15.0 0.0 30.6



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: 49.769 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX015182.D

Acq: 10 Mar 2020 19:28

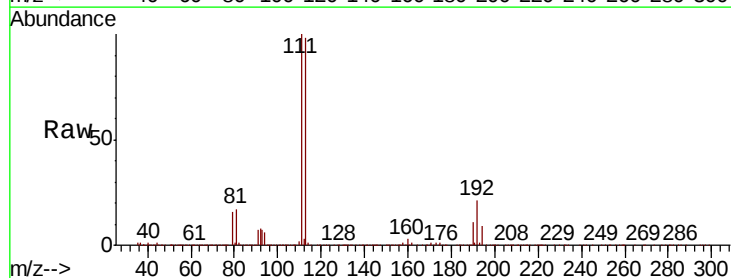
Tgt Ion:113 Resp: 155671

Ion Ratio Lower Upper

113 100

111 102.1 82.6 123.8

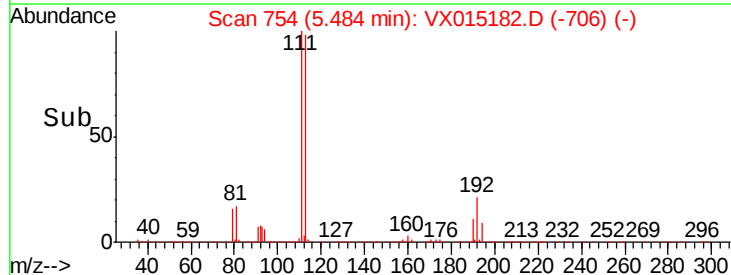
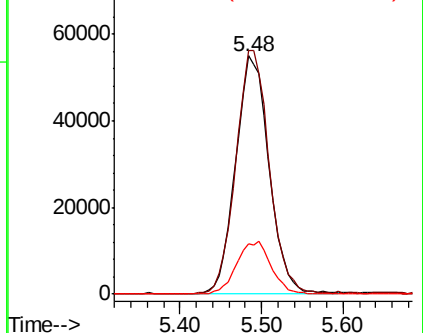
192 22.8 18.6 28.0

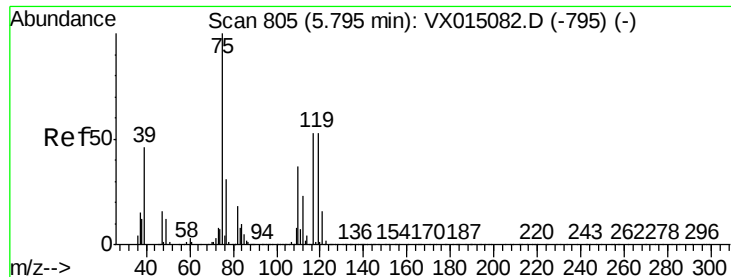


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.015 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.15 min

Lab File: VX015182.D

Acq: 10 Mar 2020 19:28

Instrument :

MSVOA_X

ClientSampled :

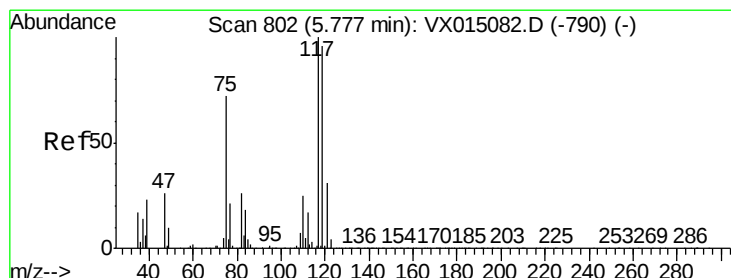
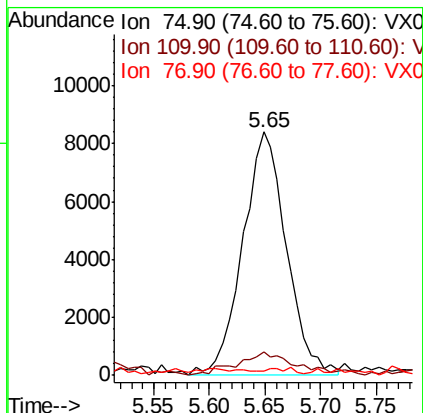
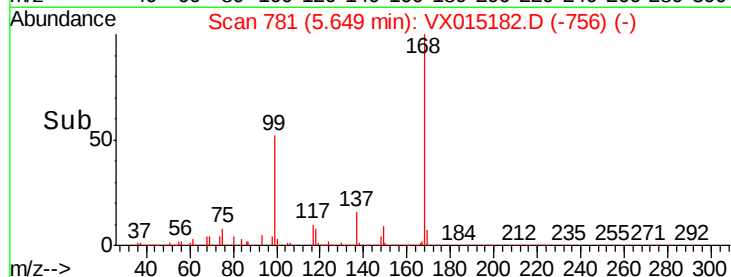
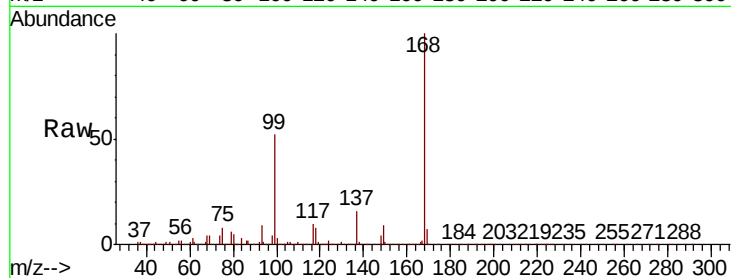
Tot Ion: 75 Resp: 22988

Ion Ratio Lower Upper

75 100

110 12.4 17.9 53.8#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.221 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX015182.D

Acq: 10 Mar 2020 19:28

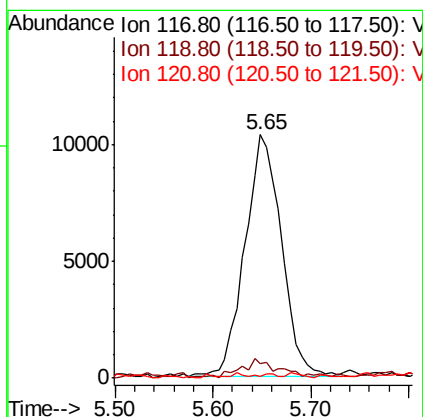
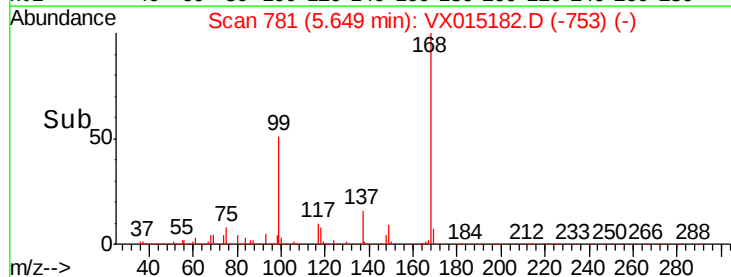
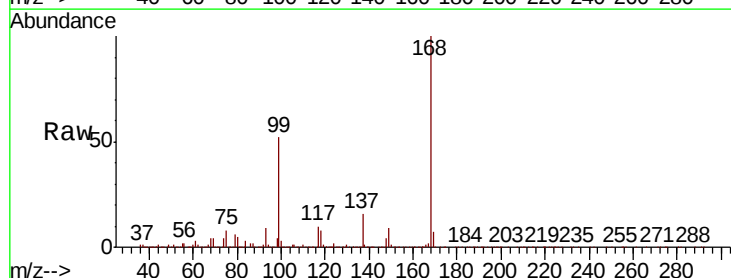
Tgt Ion: 117 Resp: 26916

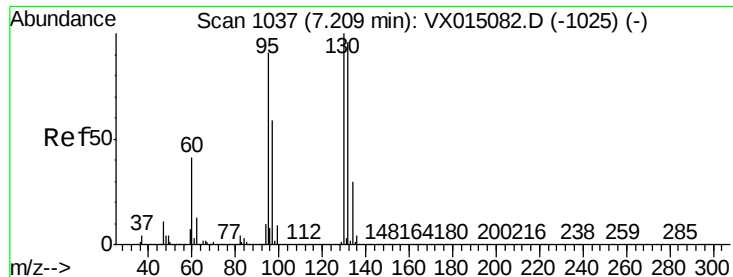
Ion Ratio Lower Upper

117 100

119 6.2 76.9 115.3#

121 1.1 24.6 37.0#





#44

Trichloroethene

Concen: 34.825 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

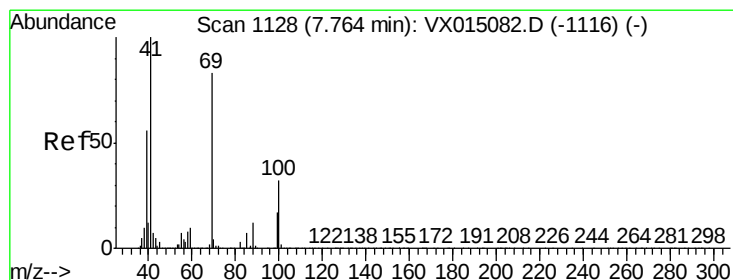
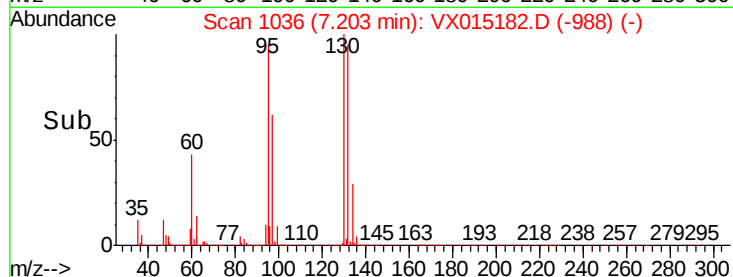
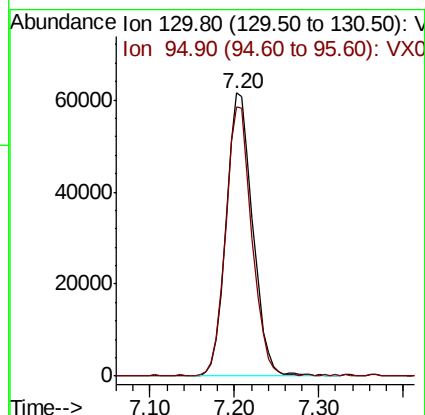
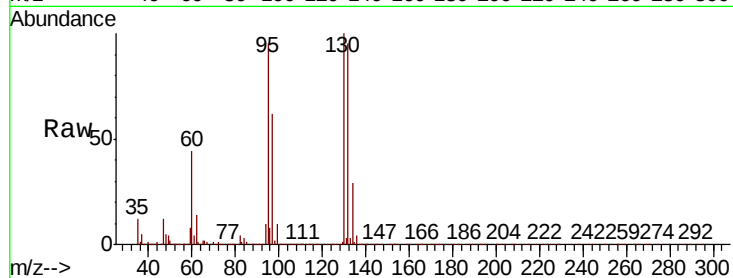
Lab File: VX015182.D

Acq: 10 Mar 2020 19:28

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 130 Resp: 131885

Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	181.2



#48

Methyl methacrylate

Concen: 0.240 ug/l

RT: 7.76 min Scan# 1128

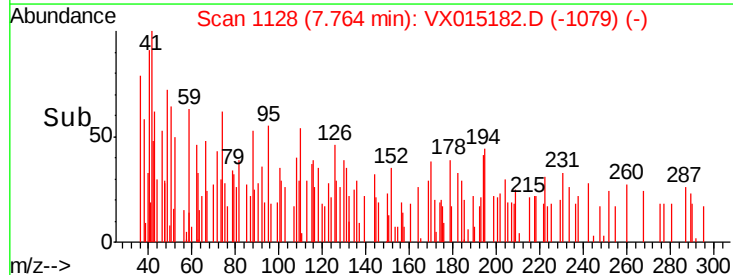
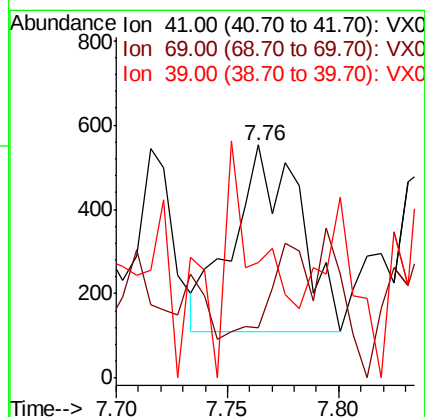
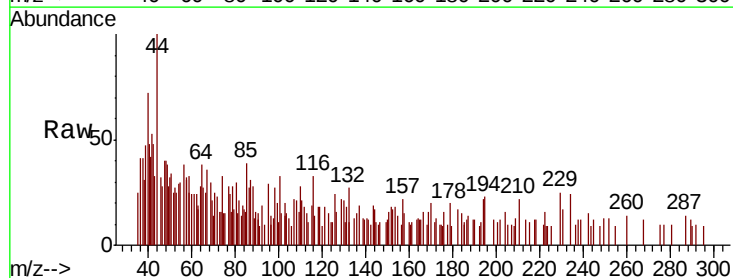
Delta R.T. 0.00 min

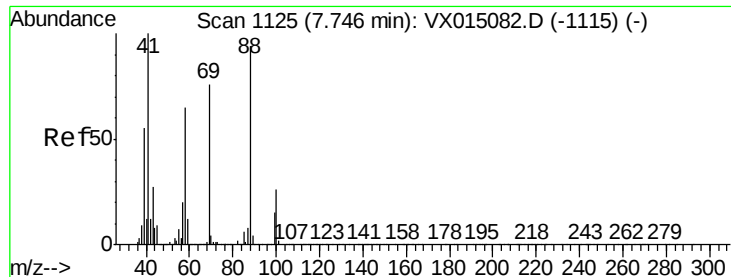
Lab File: VX015182.D

Acq: 10 Mar 2020 19:28

Tgt Ion: 41 Resp: 914

Ion	Ratio	Lower	Upper
41	100		
69	32.5	65.4	98.2#
39	0.0	44.6	67.0#

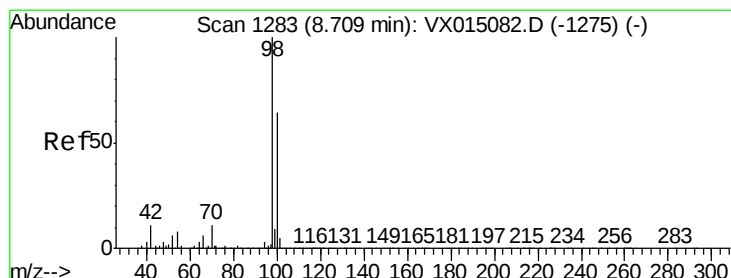
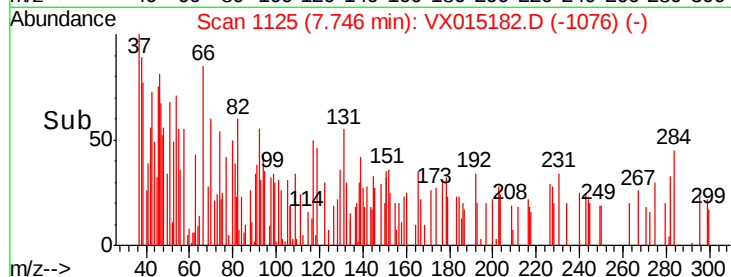
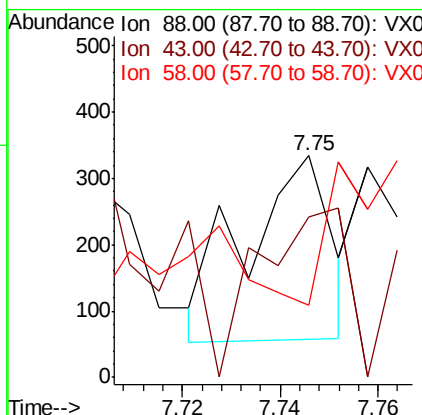
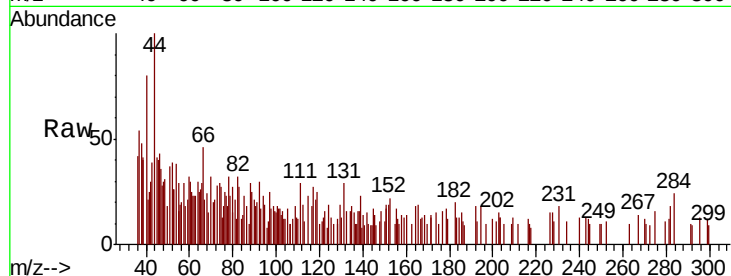




#49
1,4-Dioxane
Concen: 4.082 ug/l
RT: 7.75 min Scan# 1125
Delta R.T. 0.00 min
Lab File: VX015182.D
Acq: 10 Mar 2020 19:28

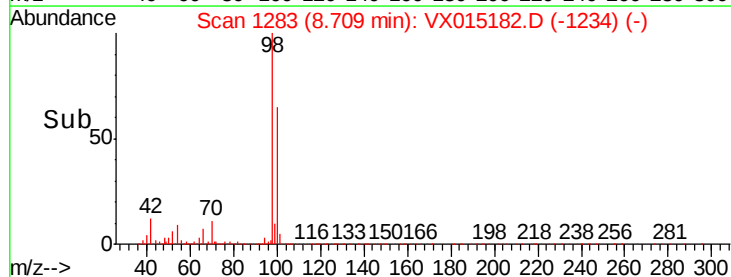
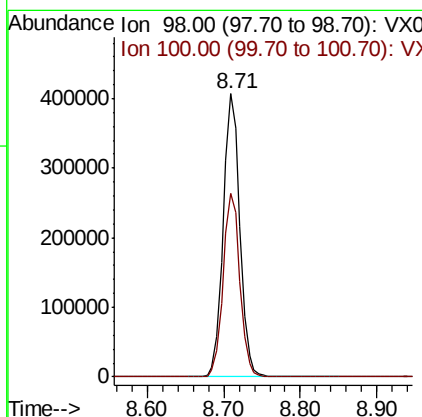
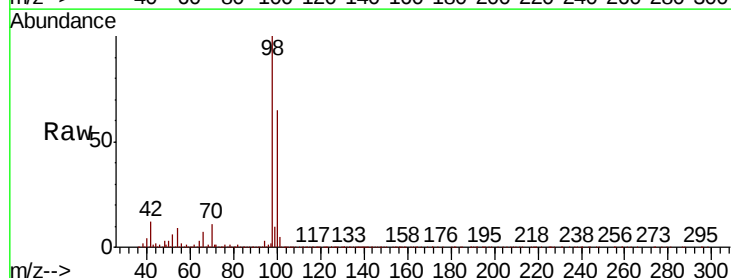
Instrument :
MSVOA_X
ClientSampled :

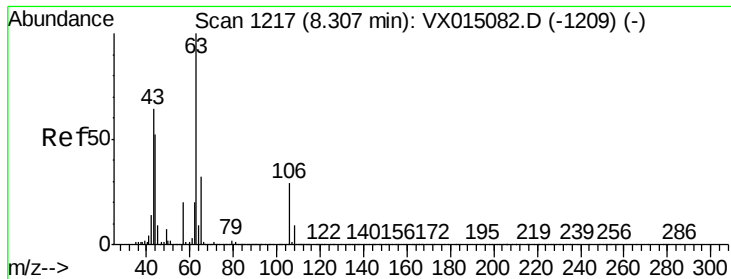
Tot Ion: 88 Resp: 336
Ion Ratio Lower Upper
88 100
43 93.8 27.0 40.4#
58 0.0 55.6 83.4#



#50
Toluene-d8
Concen: 51.384 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX015182.D
Acq: 10 Mar 2020 19:28

Tgt Ion: 98 Resp: 611355
Ion Ratio Lower Upper
98 100
100 65.2 52.4 78.6

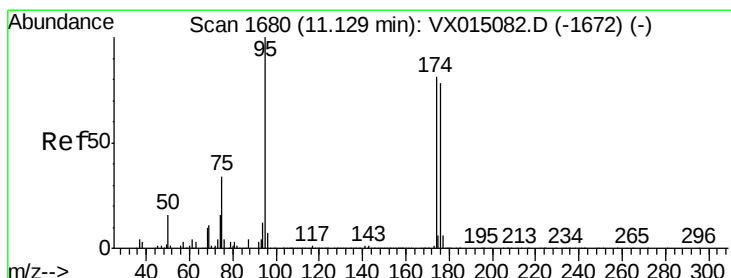
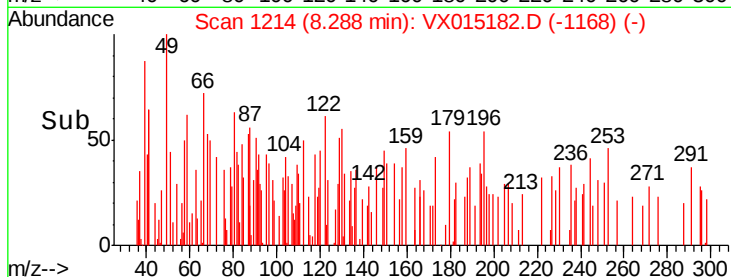
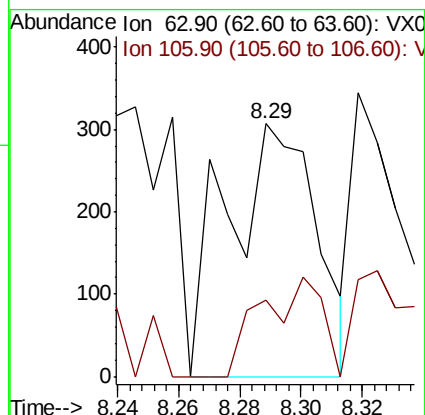
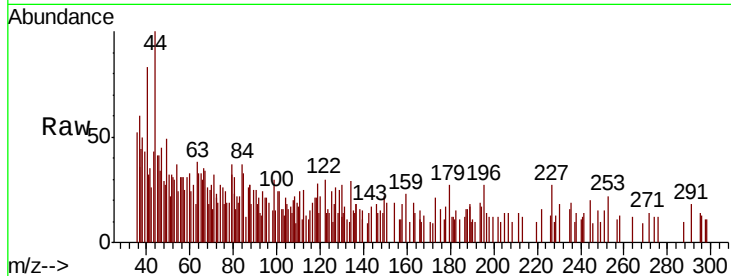




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.235 ug/l
 RT: 8.29 min Scan# 1214
 Delta R.T. -0.02 min
 Lab File: VX015182.D
 Acq: 10 Mar 2020 19:28

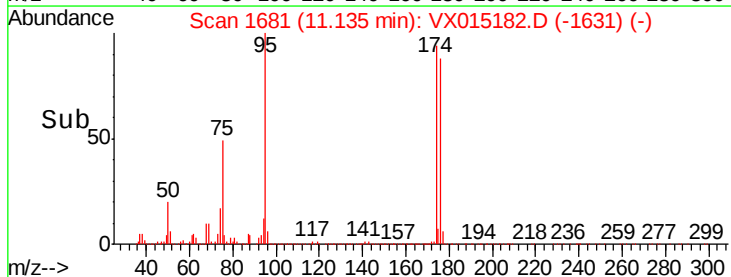
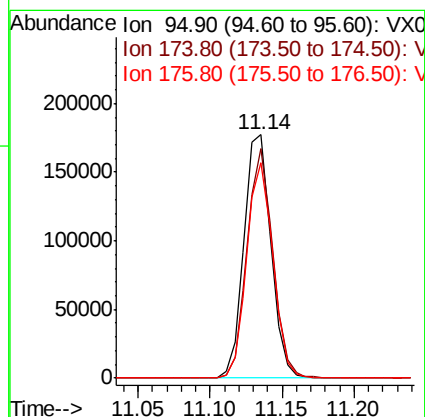
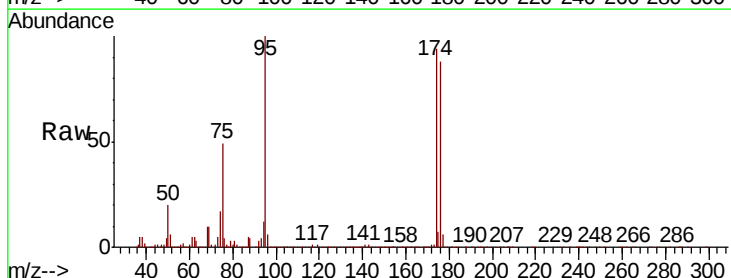
Instrument :
 MSVOA_X
 ClientSampled :

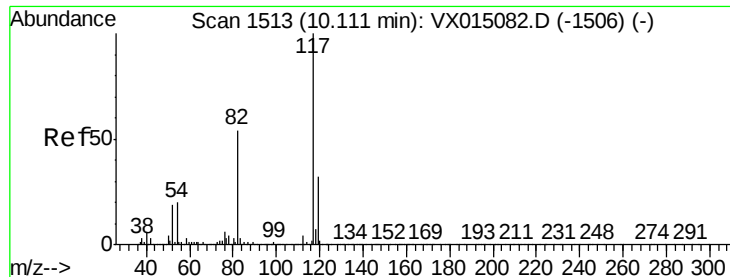
Tot Ion: 63 Resp: 625
 Ion Ratio Lower Upper
 63 100
 106 26.6 22.8 34.2



#62
 4-Bromofluorobenzene
 Concen: 54.297 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.01 min
 Lab File: VX015182.D
 Acq: 10 Mar 2020 19:28

Tgt Ion: 95 Resp: 230426
 Ion Ratio Lower Upper
 95 100
 174 89.5 0.0 177.6
 176 86.0 0.0 170.2

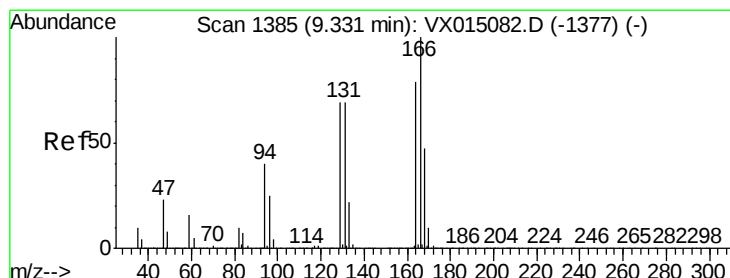
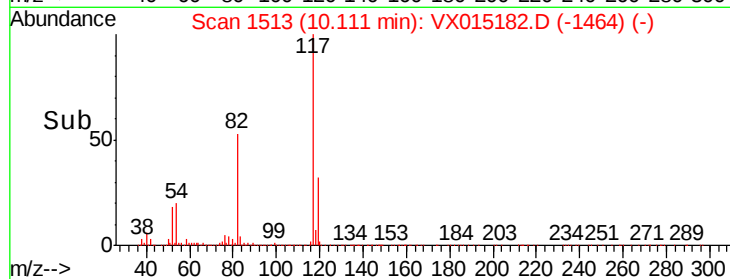
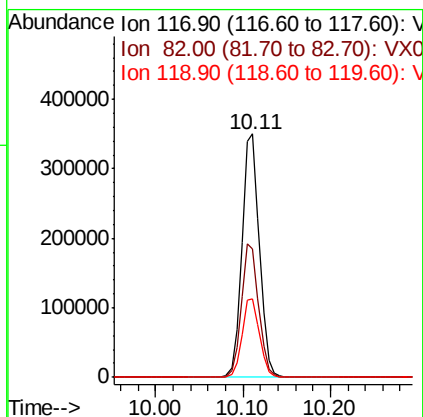
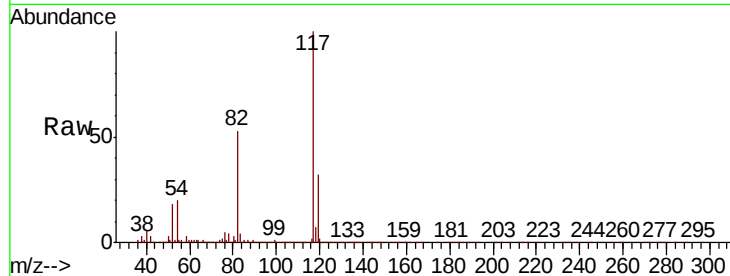




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX015182.D
Acq: 10 Mar 2020 19:28

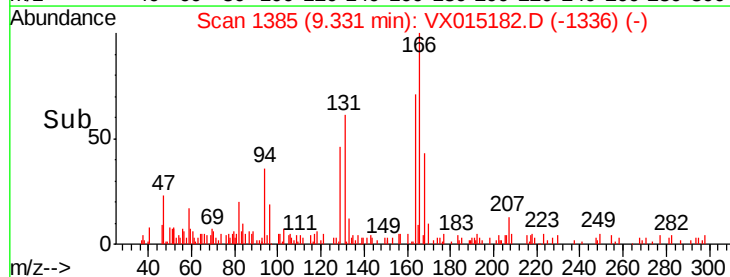
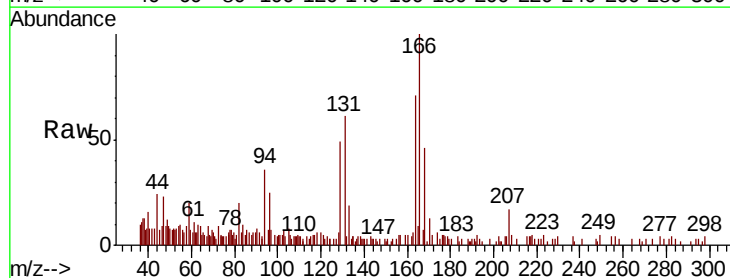
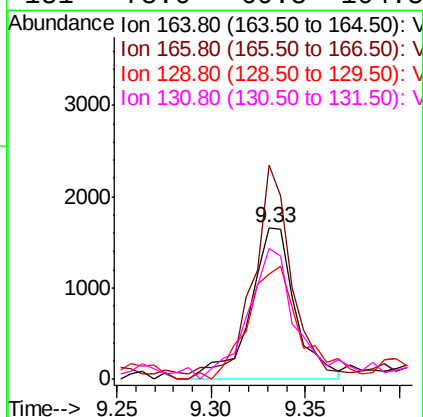
Instrument :
MSVOA_X
ClientSampleId :

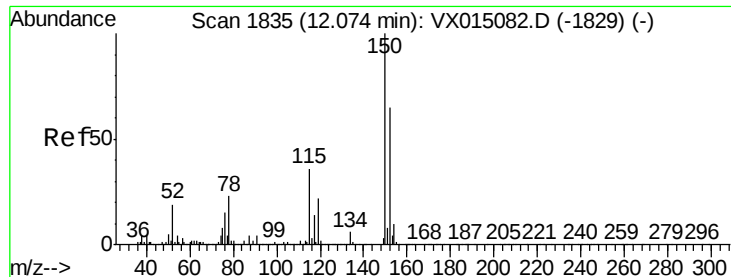
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	43.3	64.9
119	32.0	25.8	38.8



#64
Tetrachloroethene
Concen: 0.679 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX015182.D
Acq: 10 Mar 2020 19:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	137.5	101.1	151.7
129	64.2	69.4	104.0#
131	78.6	69.8	104.8



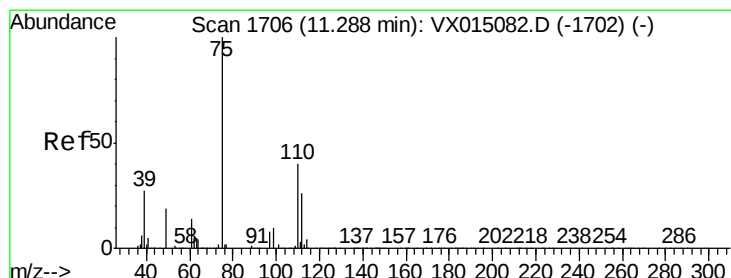
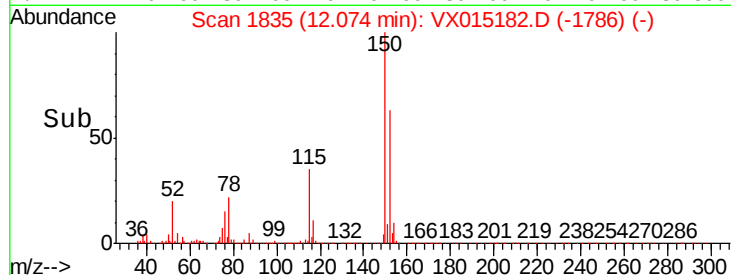
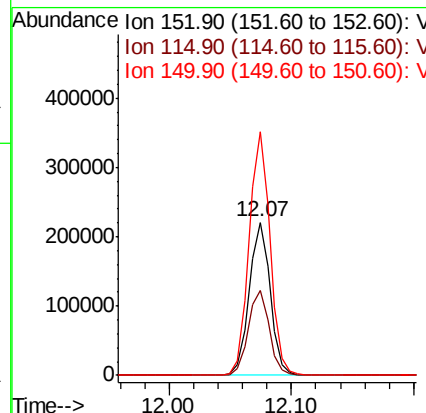
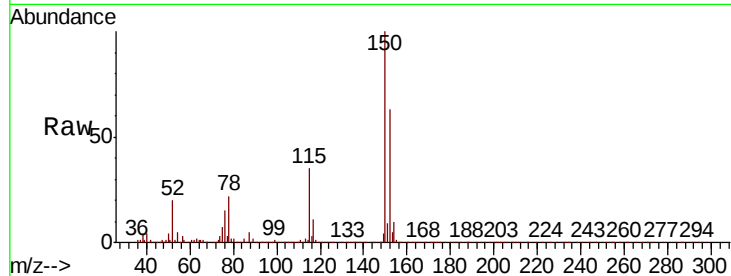


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX015182.D
Acq: 10 Mar 2020 19:28

Instrument :
MSVOA_X
ClientSampleId :

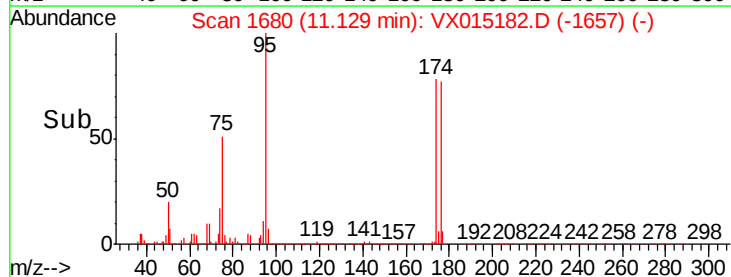
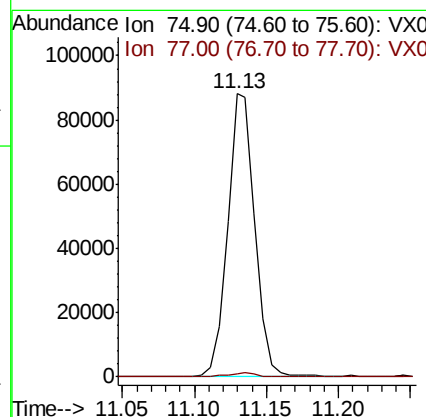
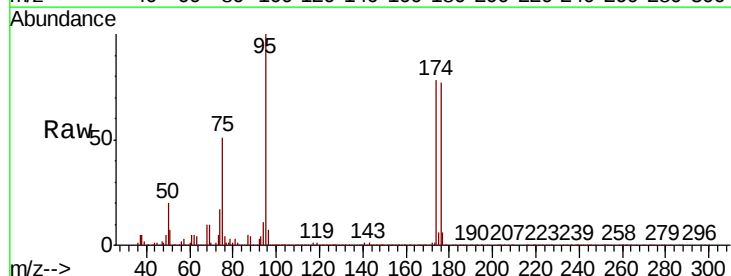
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.6	38.2	114.6
150	159.2	0.0	343.8

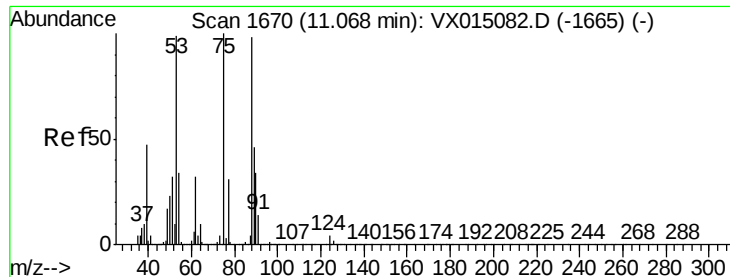


#76

1,2,3-Trichloropropane
Concen: 22.478 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX015182.D
Acq: 10 Mar 2020 19:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.8	22.6	67.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 63.793 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015182.D

Acq: 10 Mar 2020 19:28

Instrument :

MSVOA_X

ClientSampleId :

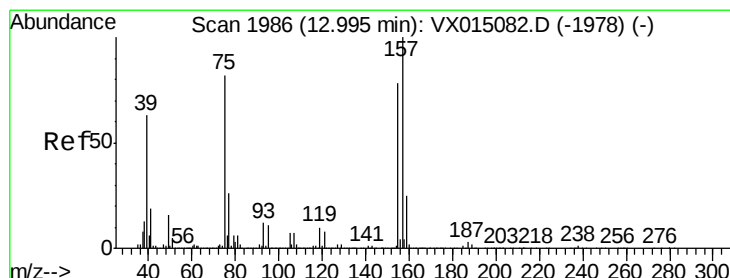
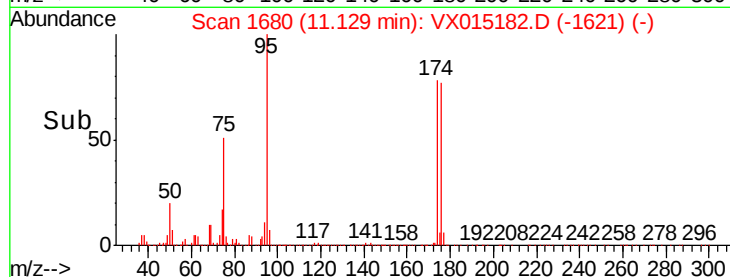
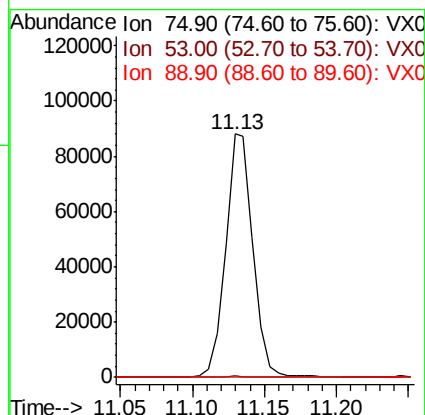
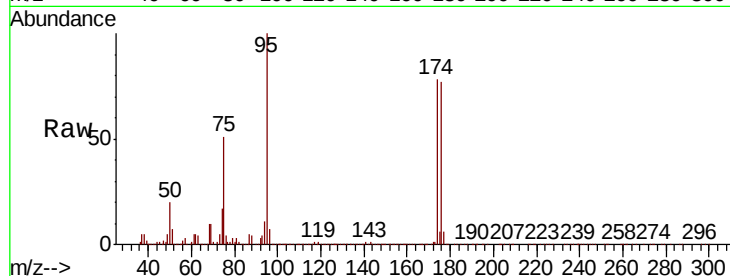
Tot Ion: 75 Resp: 117077

Ion Ratio Lower Upper

75 100

53 0.3 77.9 116.9#

89 0.1 36.2 54.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.262 ug/l

RT: 12.81 min Scan# 1956

Delta R.T. -0.18 min

Lab File: VX015182.D

Acq: 10 Mar 2020 19:28

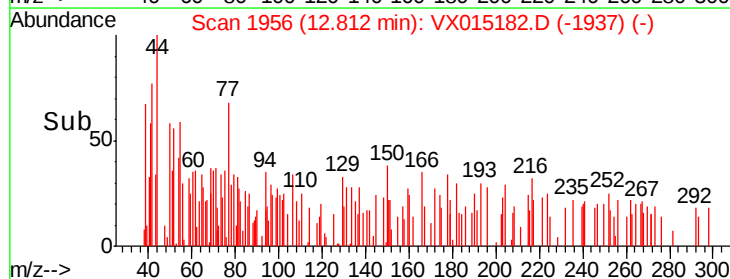
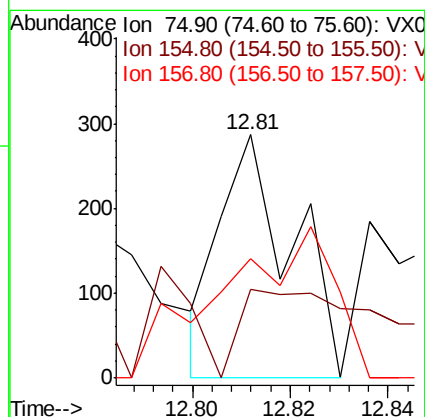
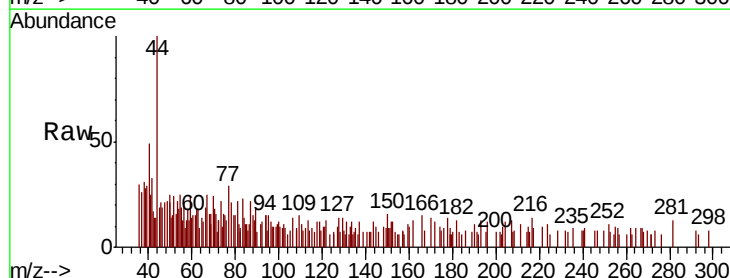
Tgt Ion: 75 Resp: 292

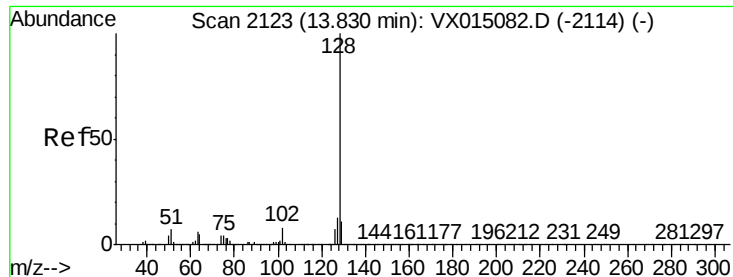
Ion Ratio Lower Upper

75 100

155 74.7 46.6 139.7

157 97.9 59.2 177.5





#95
Naphthalene
Concen: 1.428 ug/l
RT: 13.84 min Scan# 2124
Delta R.T. 0.01 min
Lab File: VX015182.D
Acq: 10 Mar 2020 19:28

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	227.1	10.3	15.5#
129	64.6	8.6	13.0#

