

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031020\
 Data File : VX015171.D
 Acq On : 10 Mar 2020 15:19
 Operator : JC/SP
 Sample : L1842-20DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 11 07:30:15 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	310389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	504989	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	499984	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	270552	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	189654	51.50	ug/l	0.00
Spiked Amount			Recovery	=	103.00%	
35) Dibromofluoromethane	5.48	113	155523	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
50) Toluene-d8	8.71	98	620182	51.18	ug/l	0.00
Spiked Amount			Recovery	=	102.36%	
62) 4-Bromofluorobenzene	11.14	95	236187	54.64	ug/l	0.00
Spiked Amount			Recovery	=	109.28%	

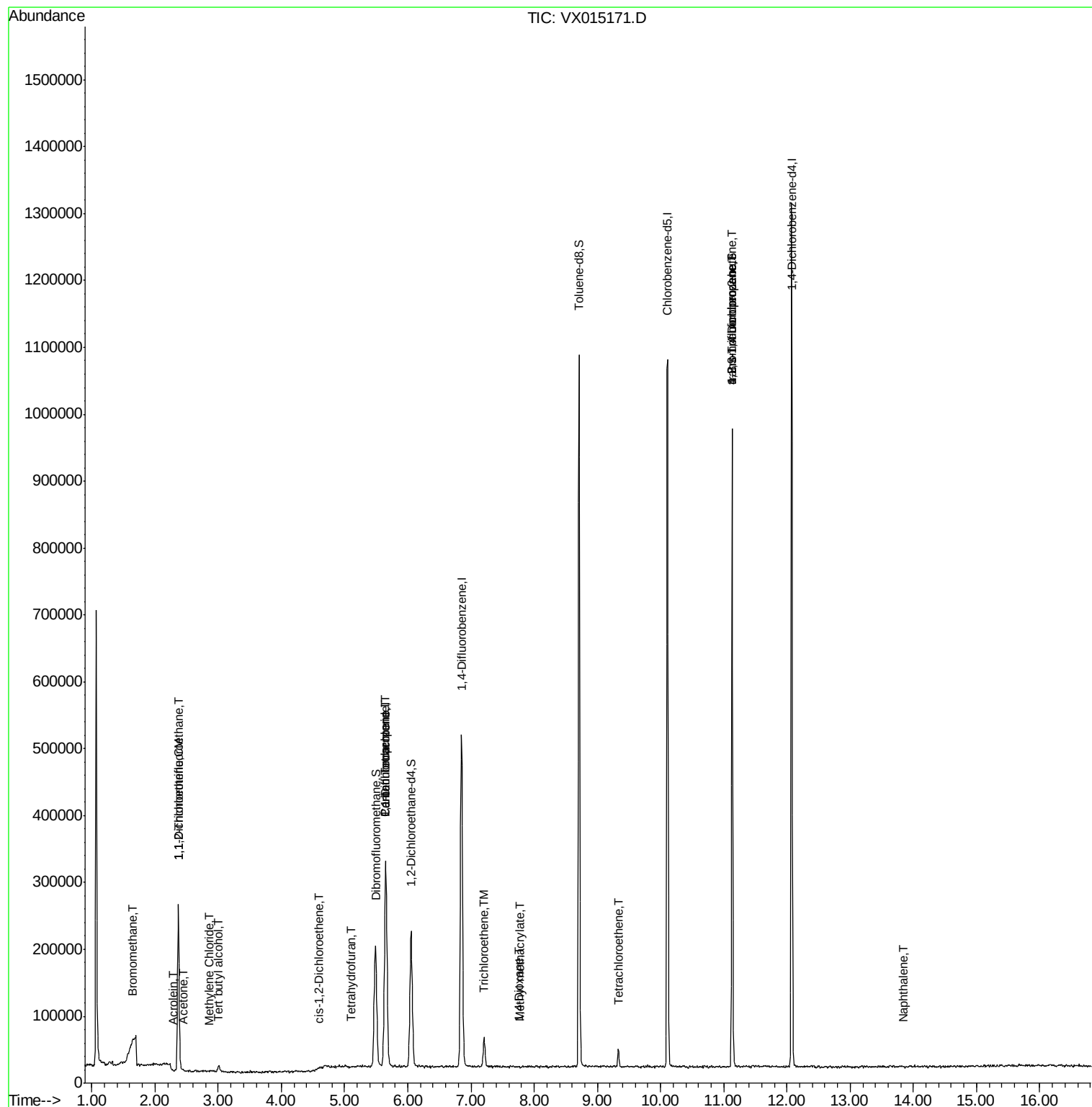
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	567	0.236	ug/l #	68
9) 1,1,2-Trichlorotrifluoroet	2.37	101	99971	34.206	ug/l	99
11) Tert butyl alcohol	3.00	59	5119	8.012	ug/l #	91
12) 1,1-Dichloroethene	2.36	96	921	0.305	ug/l #	82
13) Acrolein	2.29	56	925	1.541	ug/l #	40
16) Acetone	2.44	43	2006	1.345	ug/l #	75
20) Methylene Chloride	2.84	84	868	0.249	ug/l #	20
27) cis-1,2-Dichloroethene	4.59	96	1104	0.306	ug/l	46
29) Tetrahydrofuran	5.11	42	485	0.345	ug/l #	45
36) 1,1-Dichloropropene	5.65	75	21385	4.581	ug/l #	54
38) Carbon Tetrachloride	5.65	117	27534	6.248	ug/l #	17
44) Trichloroethene	7.21	130	18110	4.695	ug/l	97
48) Methyl methacrylate	7.77	41	818	0.211	ug/l #	24
49) 1,4-Dioxane	7.76	88	167	1.992	ug/l #	8
64) Tetrachloroethene	9.33	164	6052	1.464	ug/l	94
76) 1,2,3-Trichloropropane	11.13	75	118217	21.905	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	118217	62.168	ug/l #	11
95) Naphthalene	13.83	128	517	1.448	ug/l #	18

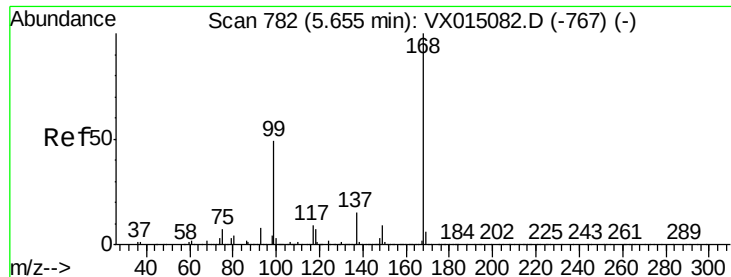
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX031020\
Data File : VX015171.D
Acq On : 10 Mar 2020 15:19
Operator : JC/SP
Sample : L1842-20DL 5X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Mar 11 07:30:15 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 04 14:19:10 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX015171.D

Acq: 10 Mar 2020 15:19

Instrument :

MSVOA_X

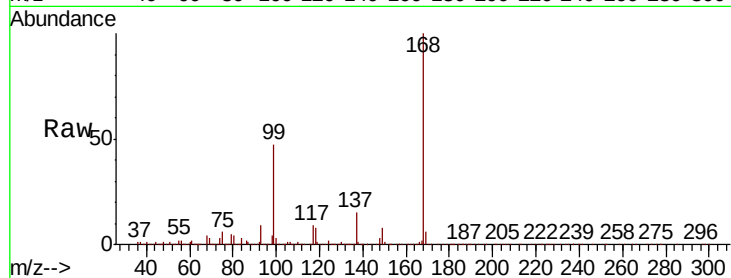
ClientSampleId :

Tot Ion:168 Resp: 310389

Ion Ratio Lower Upper

168 100

99 46.9 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

120000

100000

80000

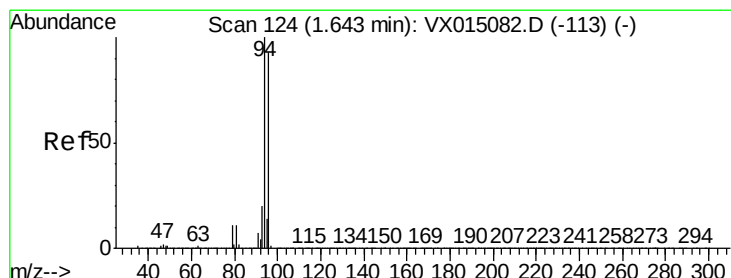
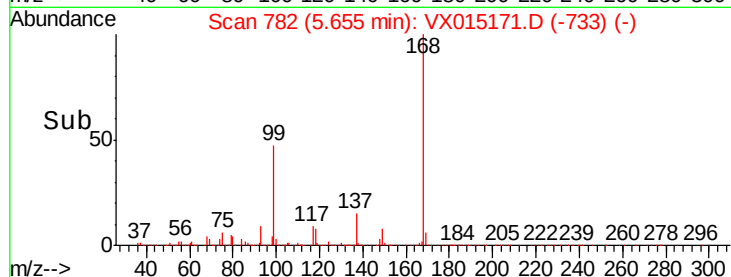
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.236 ug/l

RT: 1.64 min Scan# 123

Delta R.T. -0.01 min

Lab File: VX015171.D

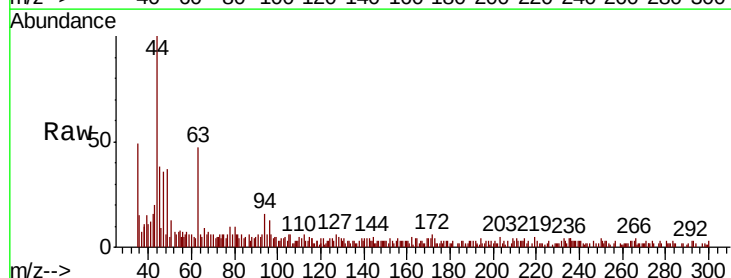
Acq: 10 Mar 2020 15:19

Tgt Ion: 94 Resp: 567

Ion Ratio Lower Upper

94 100

96 62.6 74.6 111.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

800

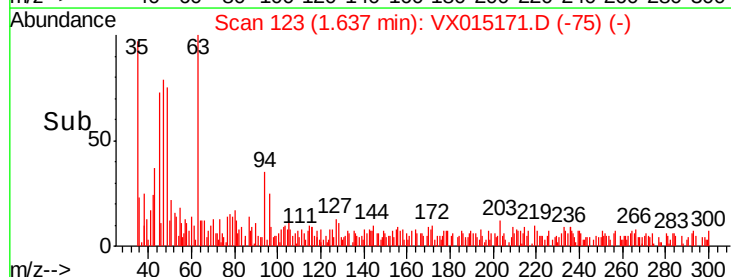
600

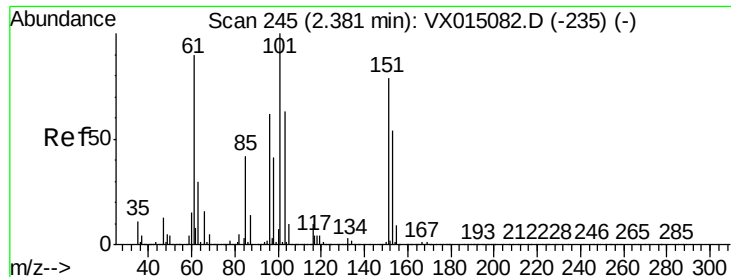
400

200

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 34.206 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.01 min

Lab File: VX015171.D

Acq: 10 Mar 2020 15:19

Instrument :

MSVOA_X

ClientSampleId :

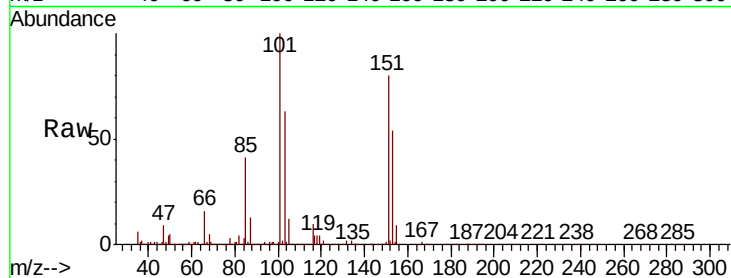
Tot Ion:101 Resp: 99971

Ion Ratio Lower Upper

101 100

85 42.8 33.7 50.5

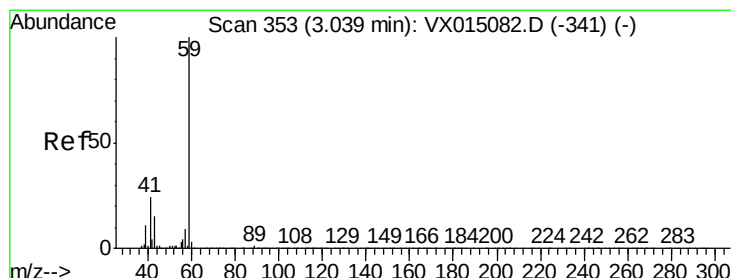
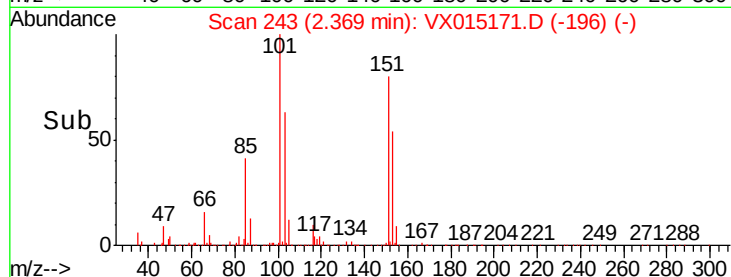
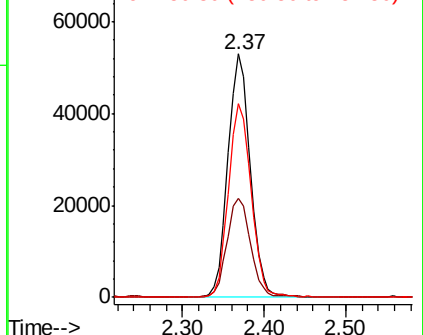
151 80.2 64.0 96.0



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: 8.012 ug/l

RT: 3.00 min Scan# 347

Delta R.T. -0.04 min

Lab File: VX015171.D

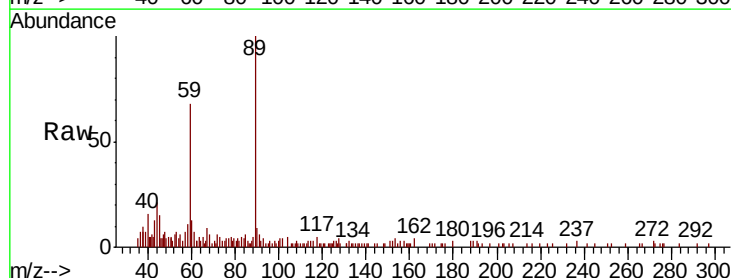
Acq: 10 Mar 2020 15:19

Tgt Ion: 59 Resp: 5119

Ion Ratio Lower Upper

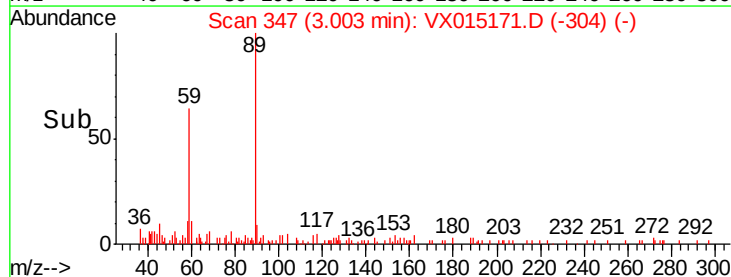
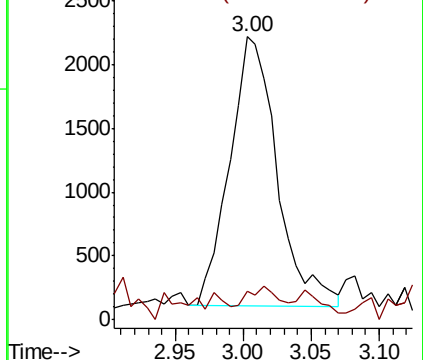
59 100

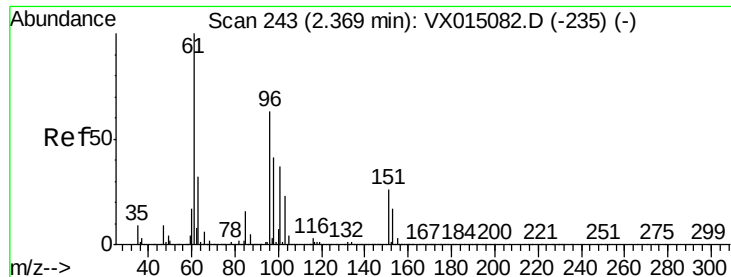
57 7.1 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

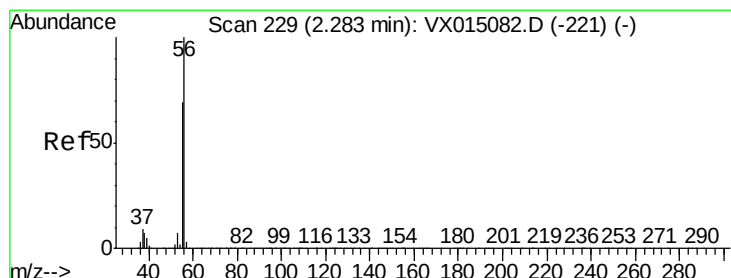
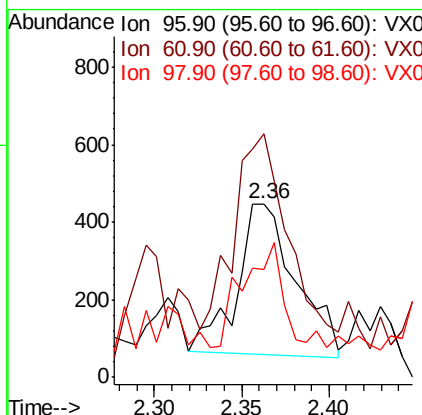
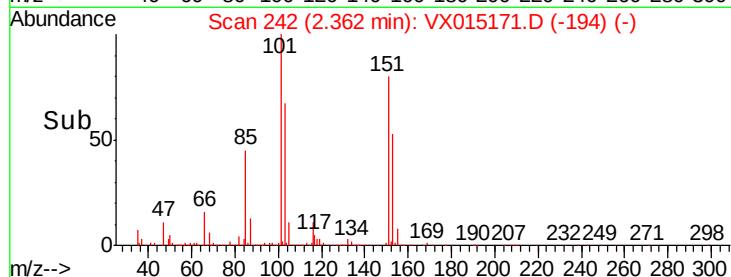
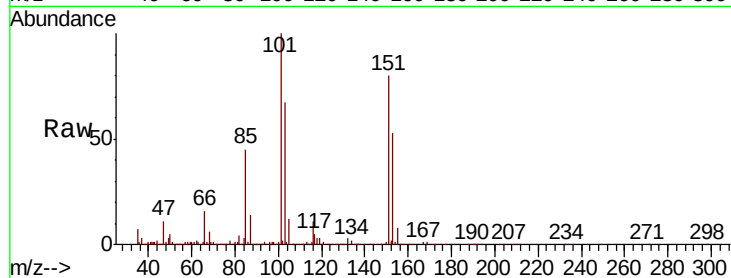




#12
 1,1-Dichloroethene
 Concen: 0.305 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. -0.01 min
 Lab File: VX015171.D
 Acq: 10 Mar 2020 15:19

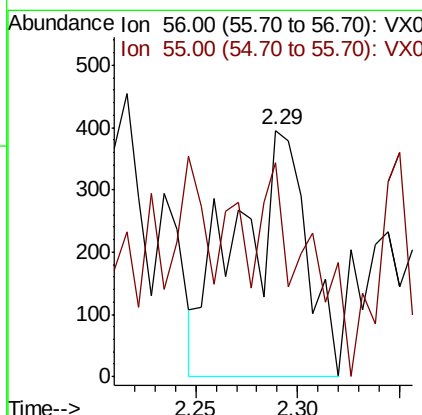
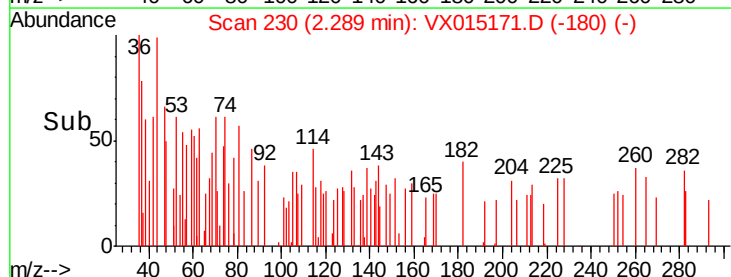
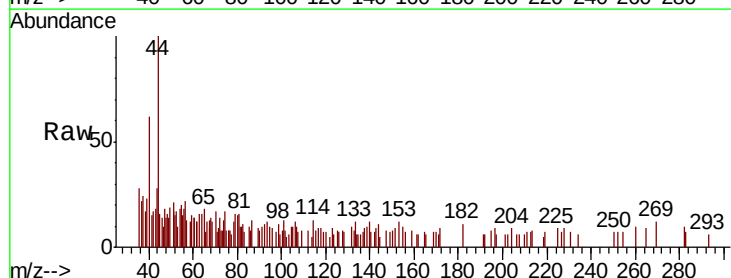
Instrument :
 MSVOA_X
 ClientSampled :

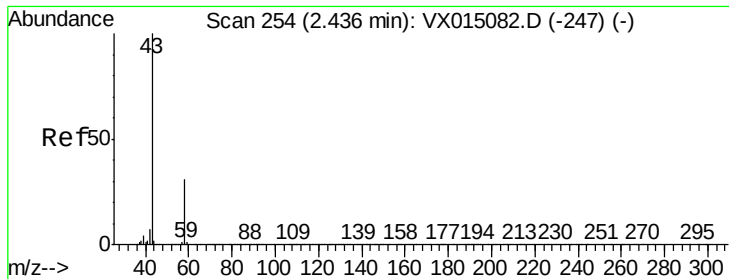
Tot Ion: 96 Resp: 921
 Ion Ratio Lower Upper
 96 100
 61 134.3 126.2 189.4
 98 50.3 51.4 77.0#



#13
 Acrolein
 Concen: 1.541 ug/l
 RT: 2.29 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VX015171.D
 Acq: 10 Mar 2020 15:19

Tgt Ion: 56 Resp: 925
 Ion Ratio Lower Upper
 56 100
 55 20.5 55.4 83.0#

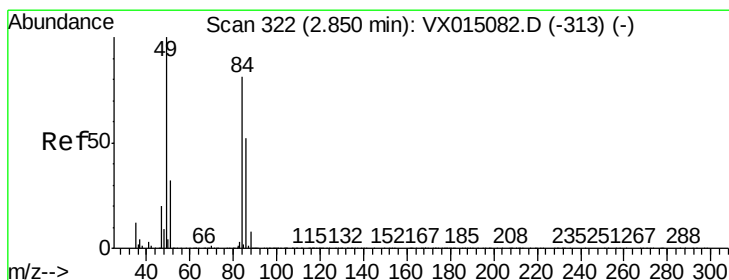
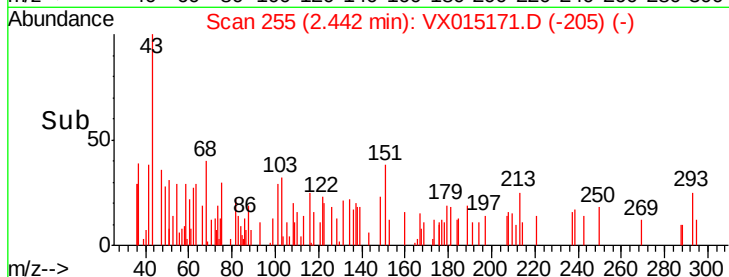
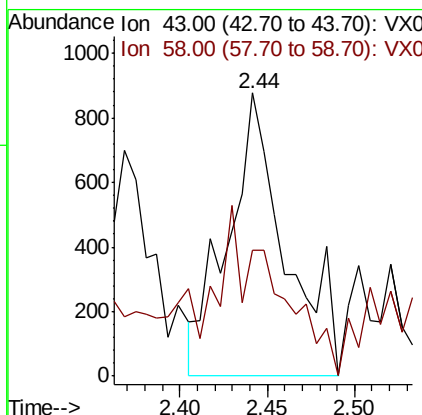
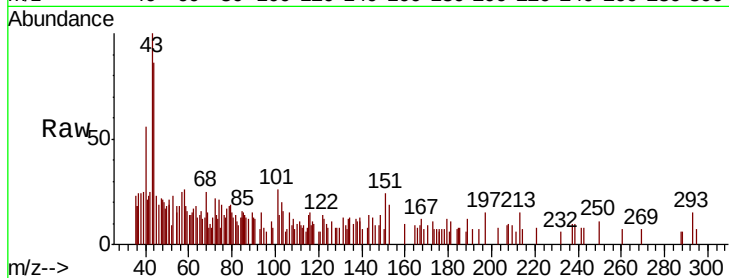




#16
Acetone
Concen: 1.345 ug/l
RT: 2.44 min Scan# 255
Delta R.T. 0.01 min
Lab File: VX015171.D
Acq: 10 Mar 2020 15:19

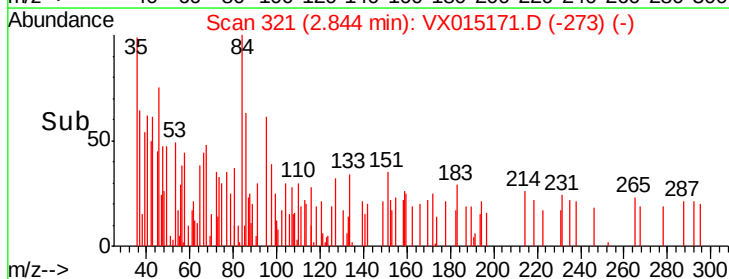
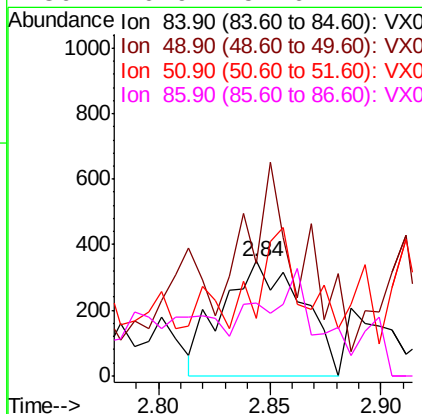
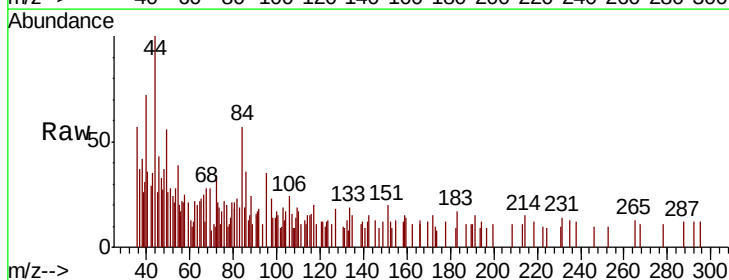
Instrument :
MSVOA_X
ClientSampled :

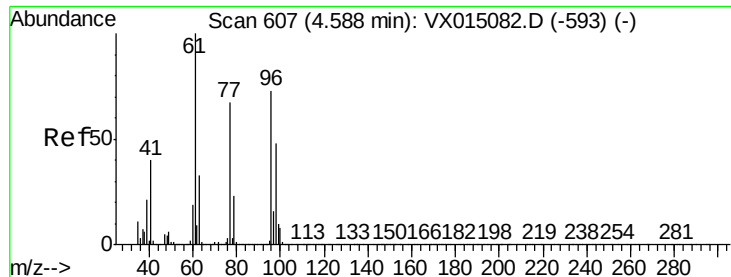
Tot Ion: 43 Resp: 2006
Ion Ratio Lower Upper
43 100
58 44.5 24.8 37.2#



#20
Methylene Chloride
Concen: 0.249 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX015171.D
Acq: 10 Mar 2020 15:19

Tgt Ion: 84 Resp: 868
Ion Ratio Lower Upper
84 100
49 9.1 99.4 149.2#
51 8.9 31.5 47.3#
86 20.9 51.6 77.4#



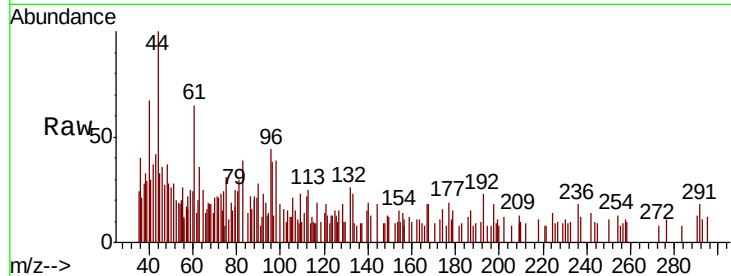


#27

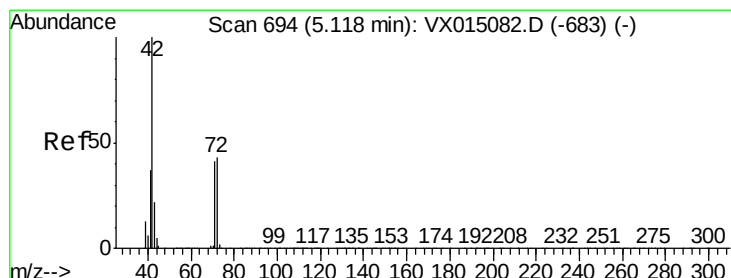
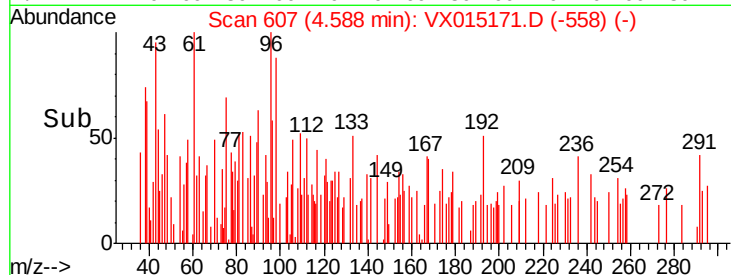
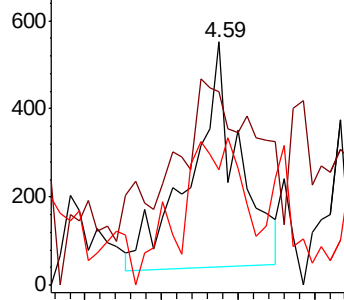
cis-1,2-Dichloroethene
 Concen: 0.306 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. -0.00 min
 Lab File: VX015171.D
 Acq: 10 Mar 2020 15:19

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	52.7	0.0	286.8
98	56.8	0.0	128.4



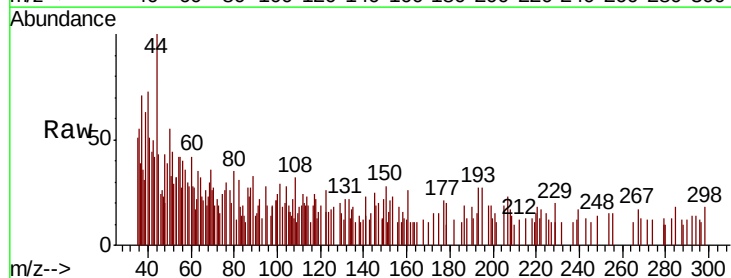
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



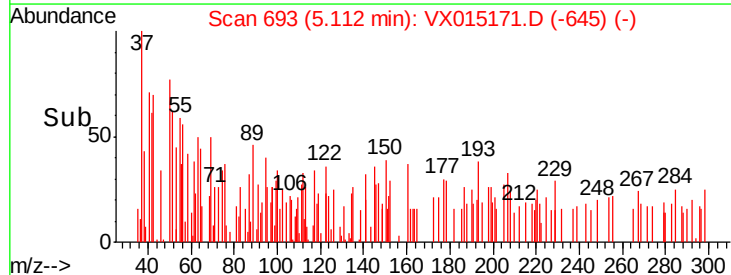
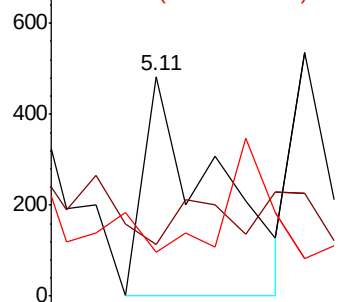
#29

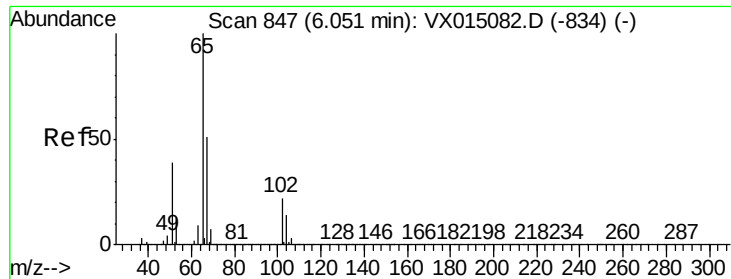
Tetrahydrofuran
 Concen: 0.345 ug/l
 RT: 5.11 min Scan# 693
 Delta R.T. -0.01 min
 Lab File: VX015171.D
 Acq: 10 Mar 2020 15:19

Tgt Ion	Ratio	Lower	Upper
42	100		
72	15.9	36.4	54.6#
71	0.0	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

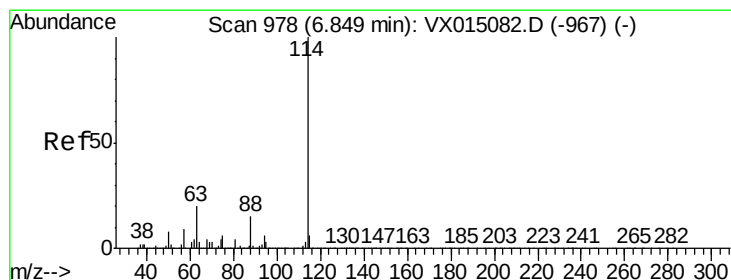
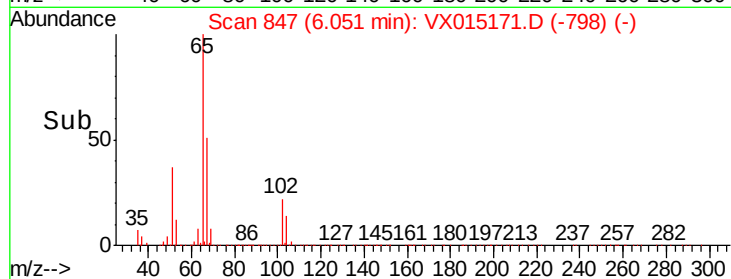
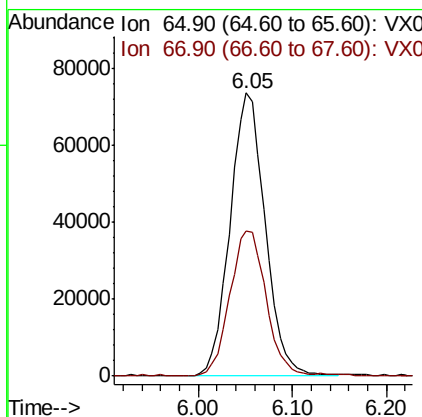
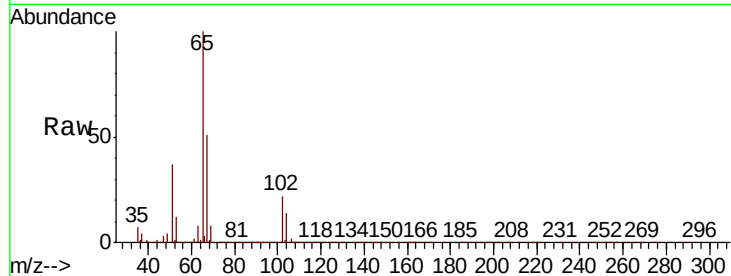




#33
 1,2-Dichloroethane-d4
 Concen: 51.503 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX015171.D
 Acq: 10 Mar 2020 15:19

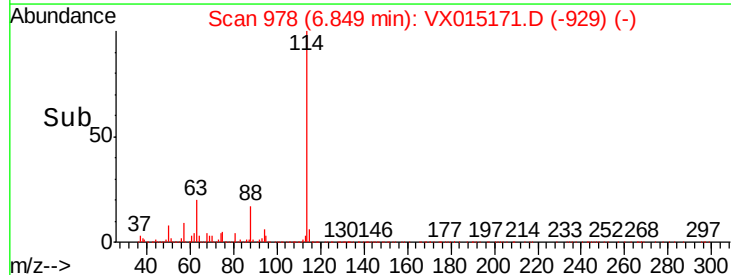
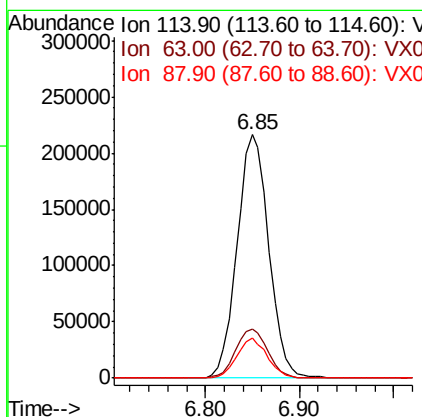
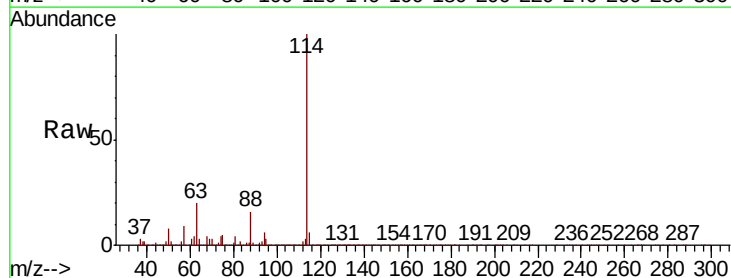
Instrument :
 MSVOA_X
 ClientSampleId :

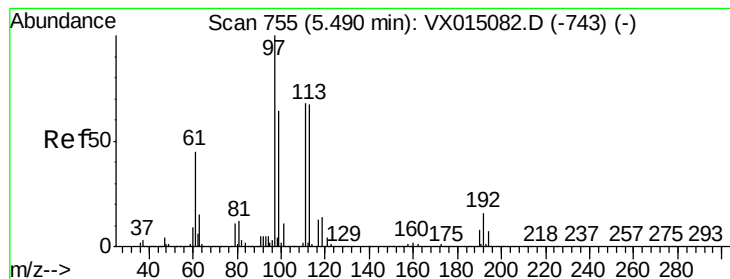
Tot Ion: 65 Resp: 189654
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX015171.D
 Acq: 10 Mar 2020 15:19

Tgt Ion: 114 Resp: 504989
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.0
 88 16.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.817 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX015171.D

Acq: 10 Mar 2020 15:19

Instrument :

MSVOA_X

ClientSampleId :

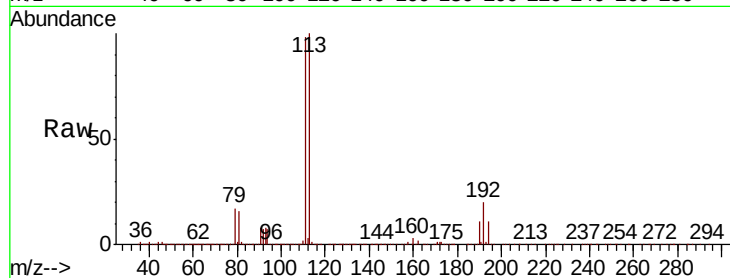
Tot Ion:113 Resp: 155523

Ion Ratio Lower Upper

113 100

111 104.4 82.6 123.8

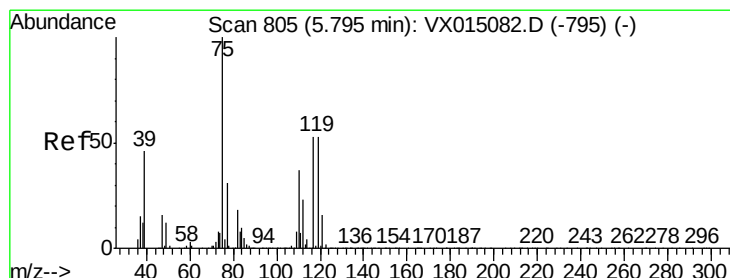
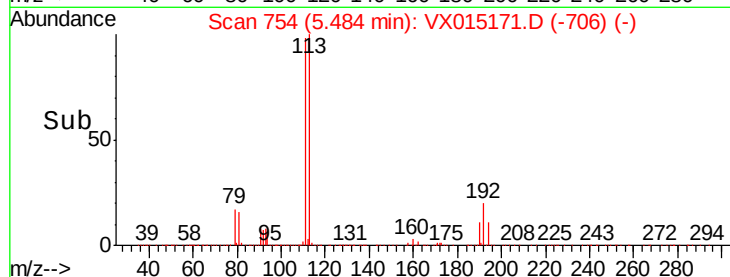
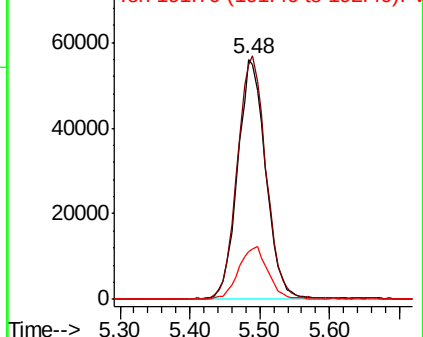
192 22.9 18.6 28.0



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: 4.581 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.15 min

Lab File: VX015171.D

Acq: 10 Mar 2020 15:19

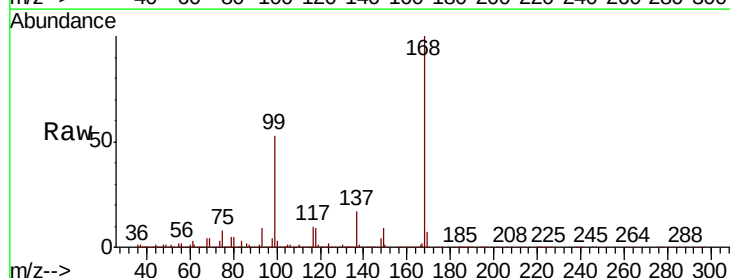
Tgt Ion: 75 Resp: 21385

Ion Ratio Lower Upper

75 100

110 12.9 17.9 53.8#

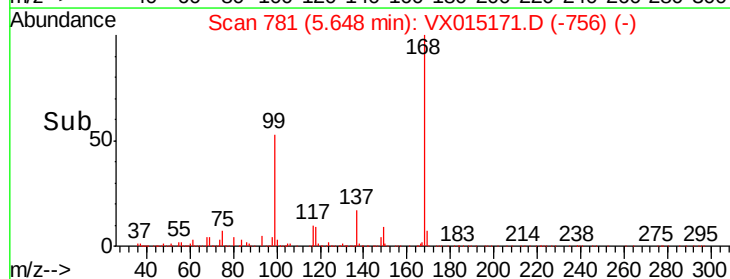
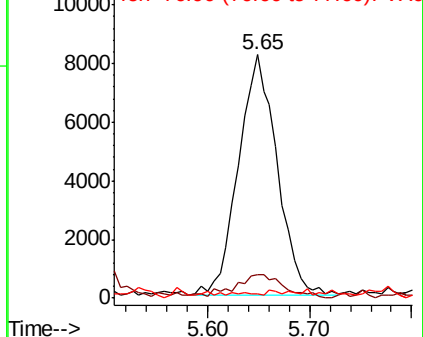
77 1.2 24.8 37.2#

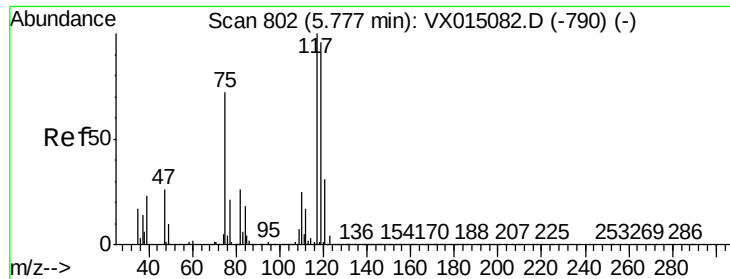


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.248 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX015171.D

Acq: 10 Mar 2020 15:19

Instrument :

MSVOA_X

ClientSampled :

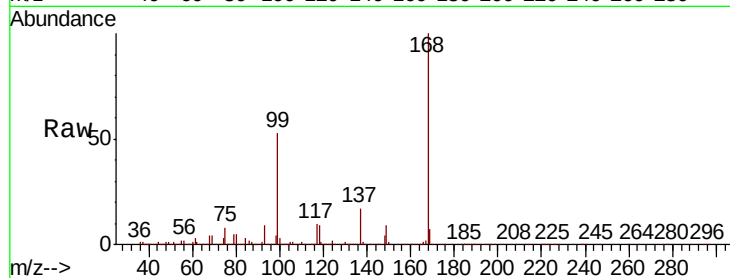
Tot Ion:117 Resp: 27534

Ion Ratio Lower Upper

117 100

119 6.0 76.9 115.3#

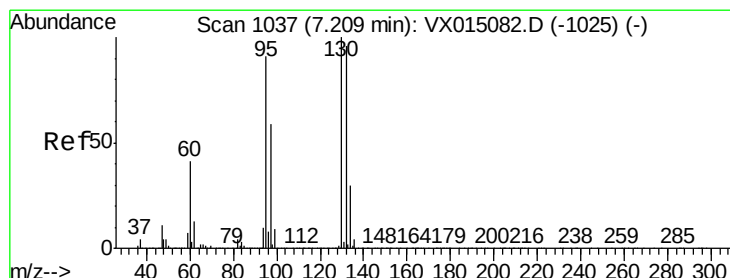
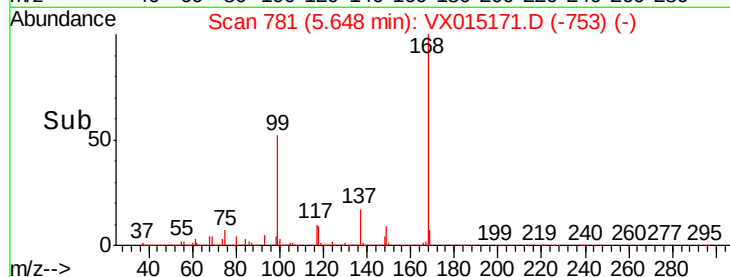
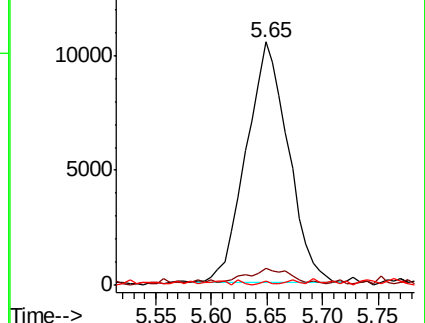
121 1.2 24.6 37.0#



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



#44

Trichloroethene

Concen: 4.695 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VX015171.D

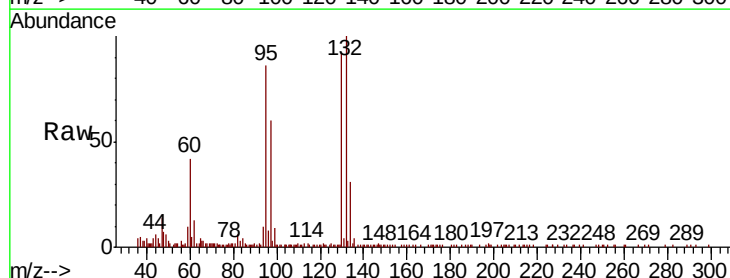
Acq: 10 Mar 2020 15:19

Tgt Ion:130 Resp: 18110

Ion Ratio Lower Upper

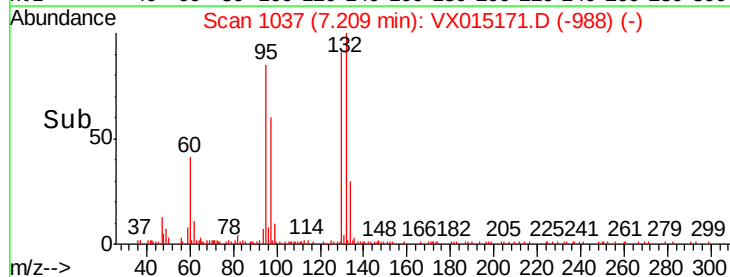
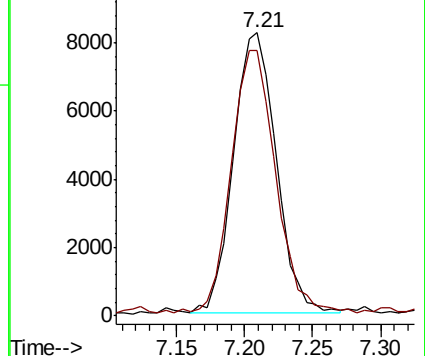
130 100

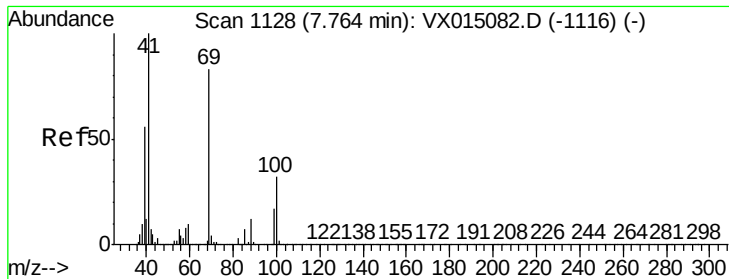
95 93.6 0.0 181.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

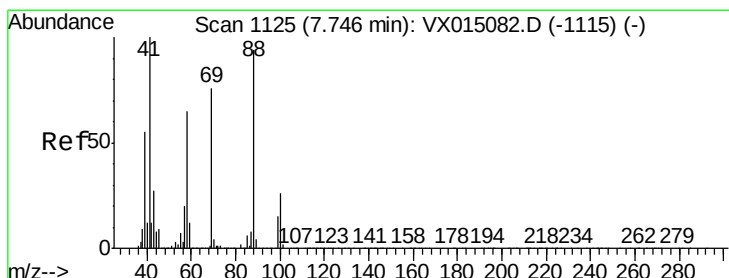
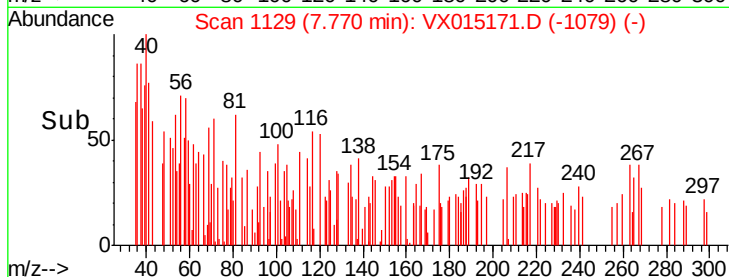
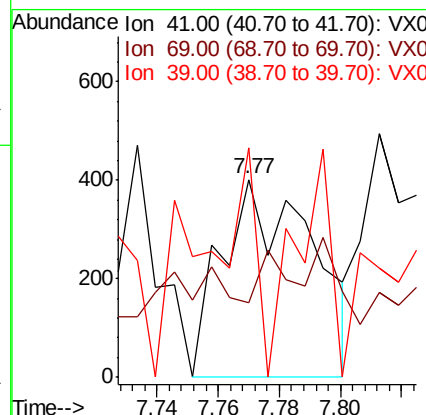
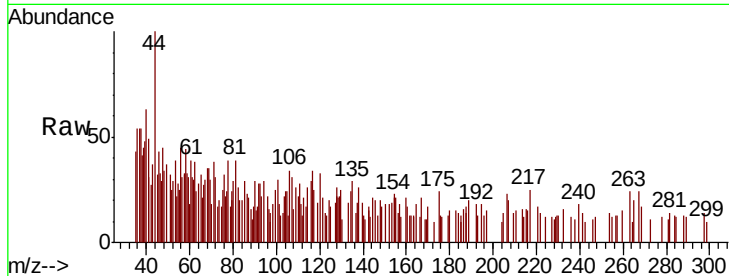




#48
Methvl methacrylate
Concen: 0.211 ug/l
RT: 7.77 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VX015171.D
Acq: 10 Mar 2020 15:19

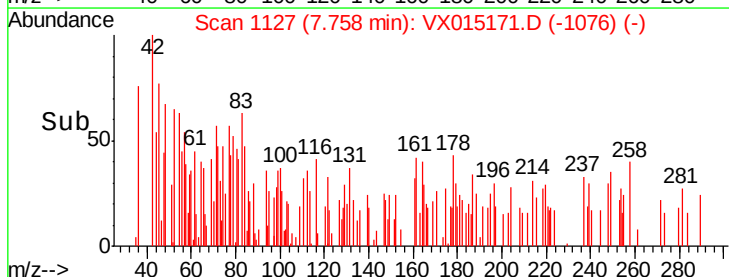
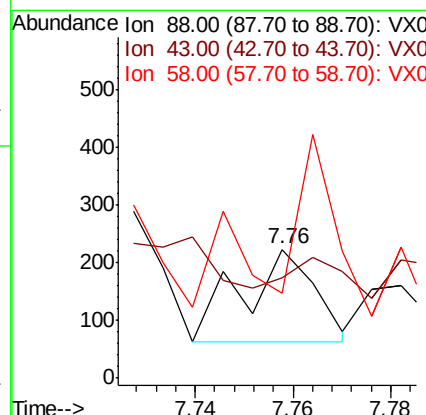
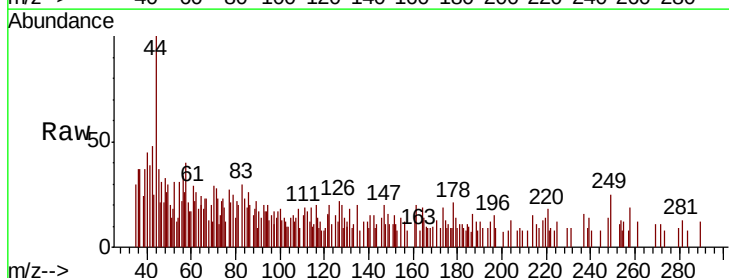
Instrument :
MSVOA_X
ClientSampled :

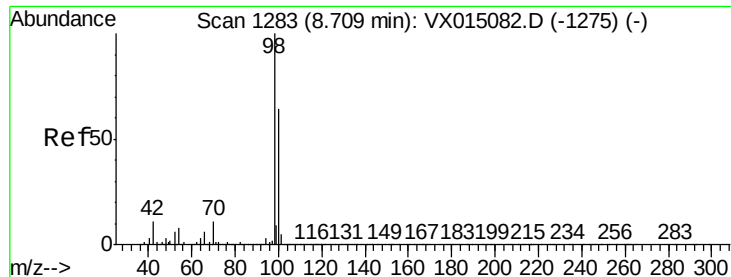
Tot Ion: 41 Resp: 818
Ion Ratio Lower Upper
41 100
69 13.7 65.4 98.2#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 1.992 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VX015171.D
Acq: 10 Mar 2020 15:19

Tgt Ion: 88 Resp: 167
Ion Ratio Lower Upper
88 100
43 0.0 27.0 40.4#
58 157.5 55.6 83.4#

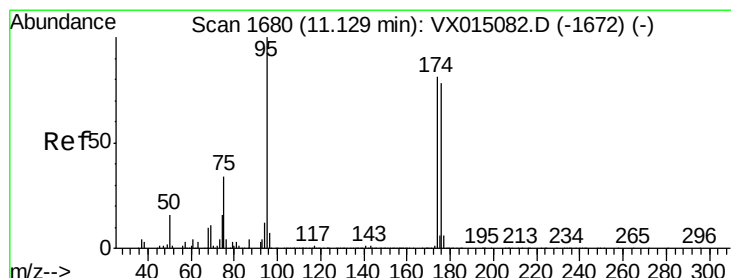
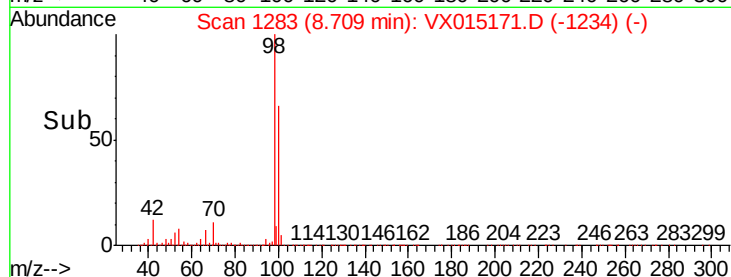
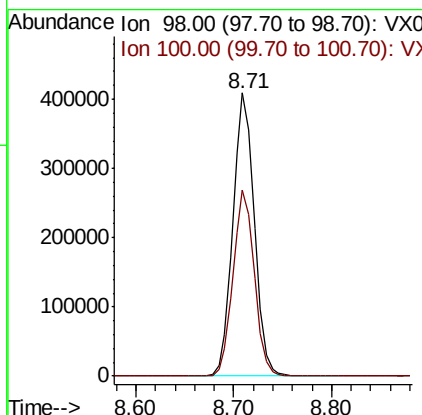
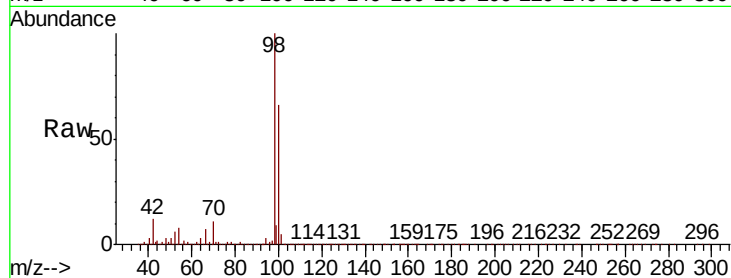




#50
Toluene-d8
Concen: 51.177 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX015171.D
Acq: 10 Mar 2020 15:19

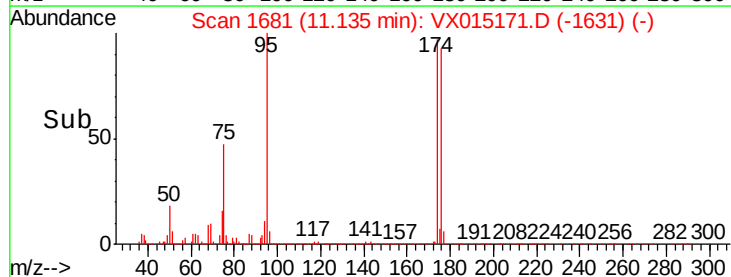
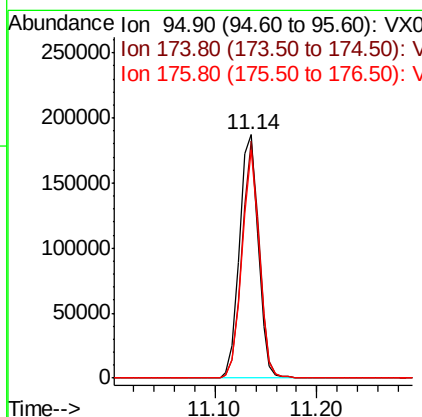
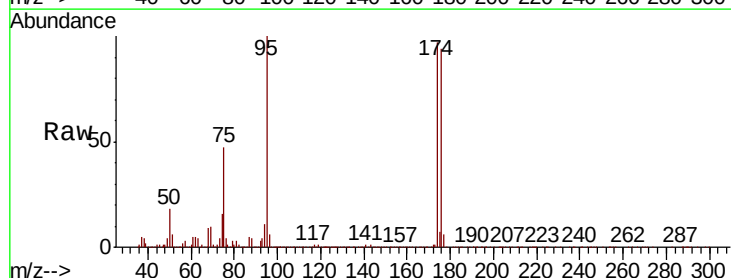
Instrument :
MSVOA_X
ClientSampleId :

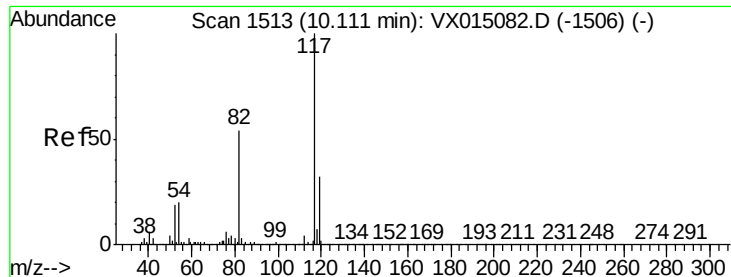
Tot Ion: 98 Resp: 620182
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 54.641 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX015171.D
Acq: 10 Mar 2020 15:19

Tgt Ion: 95 Resp: 236187
Ion Ratio Lower Upper
95 100
174 90.4 0.0 177.6
176 87.1 0.0 170.2

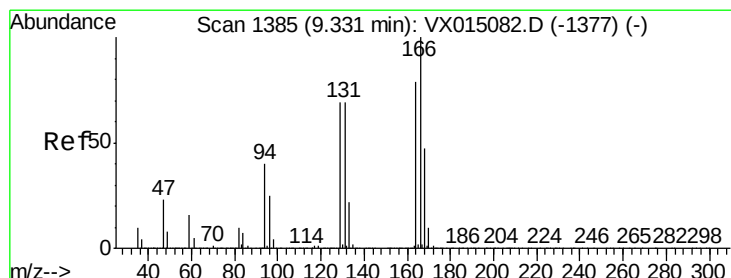
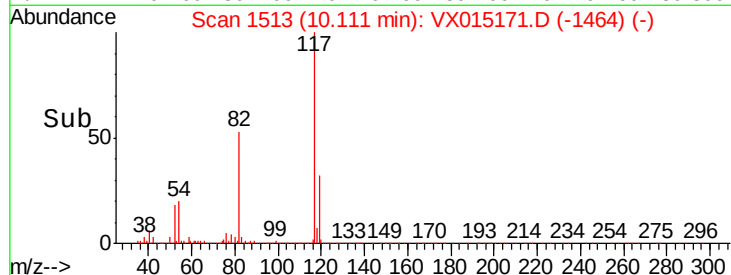
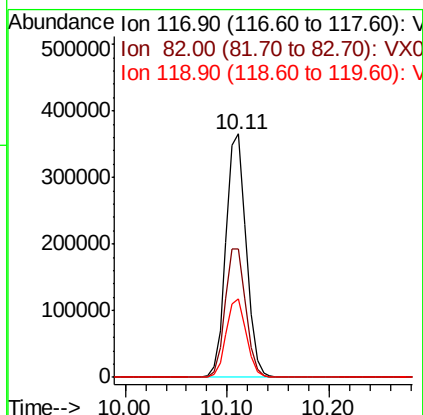
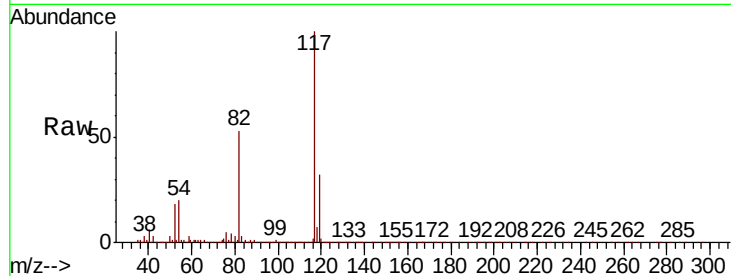




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX015171.D
Acq: 10 Mar 2020 15:19

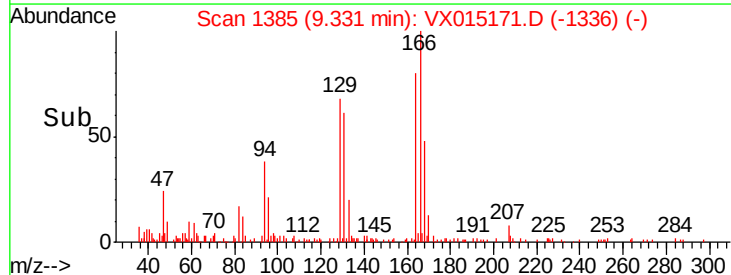
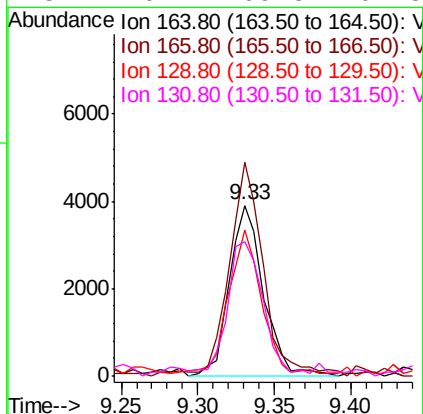
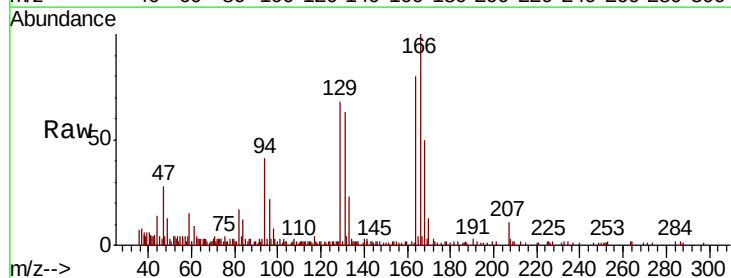
Instrument :
MSVOA_X
ClientSampled :

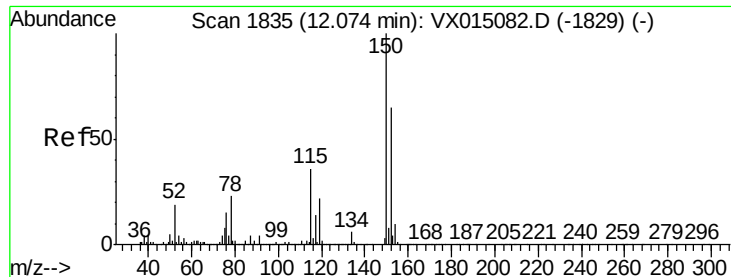
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	43.3	64.9
119	32.3	25.8	38.8



#64
Tetrachloroethene
Concen: 1.464 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX015171.D
Acq: 10 Mar 2020 15:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.2	101.1	151.7
129	83.8	69.4	104.0
131	76.2	69.8	104.8

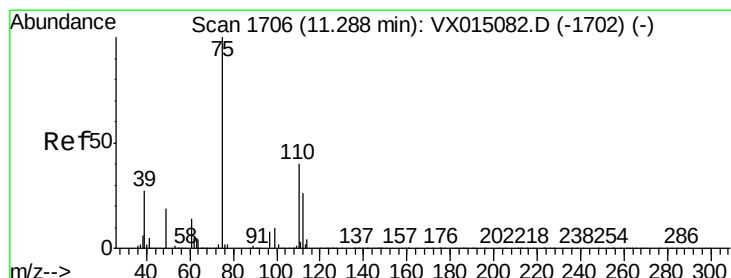
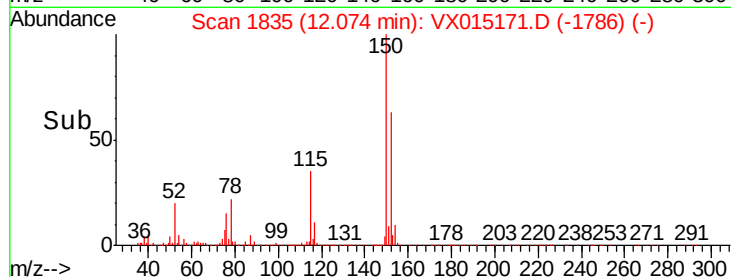
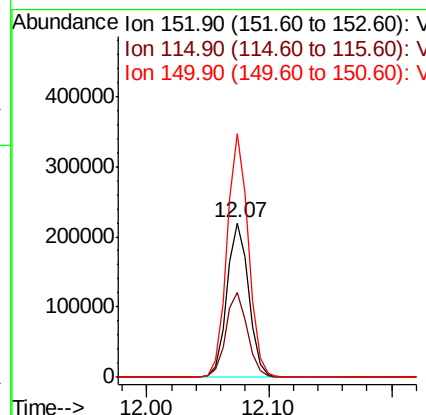
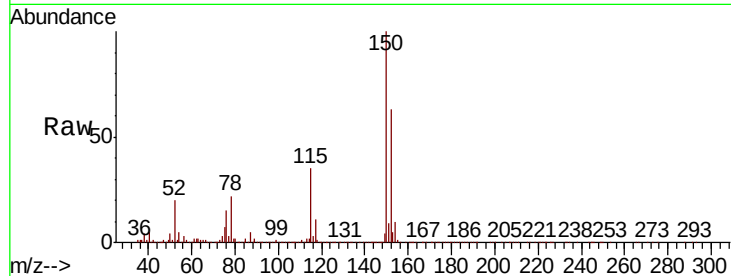




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX015171.D
 Acq: 10 Mar 2020 15:19

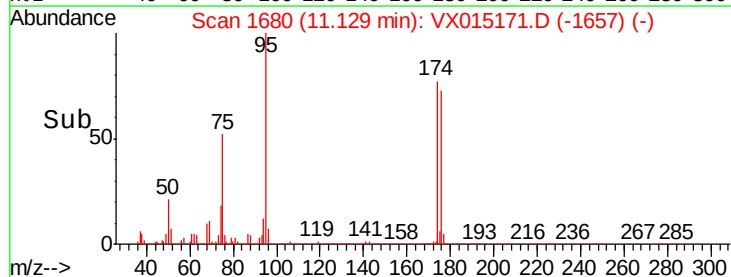
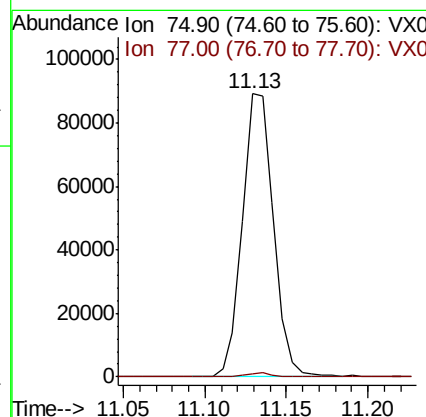
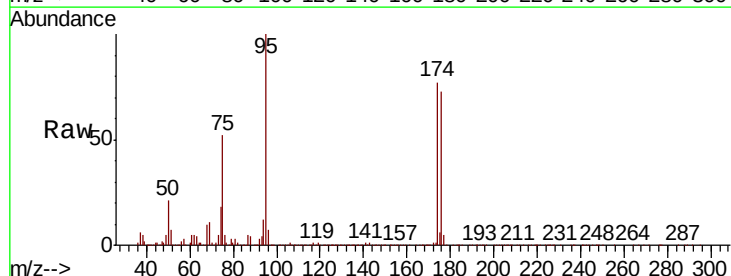
Instrument :
 MSVOA_X
 ClientSampleId :

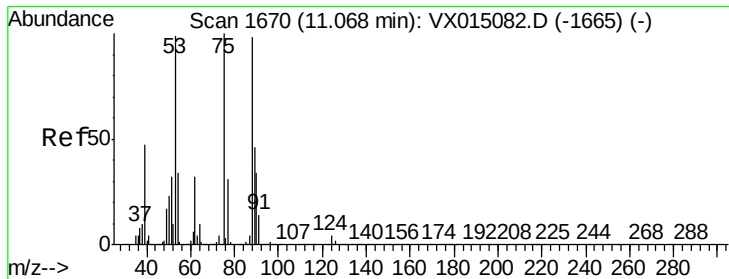
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.4	38.2	114.6
150	154.9	0.0	343.8



#76
 1,2,3-Trichloropropane
 Concen: 21.905 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX015171.D
 Acq: 10 Mar 2020 15:19

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	22.6	67.8





#81

trans-1,4-Dichloro-2-butene

Concen: 62.168 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015171.D

Acq: 10 Mar 2020 15:19

Instrument :

MSVOA_X

ClientSampleId :

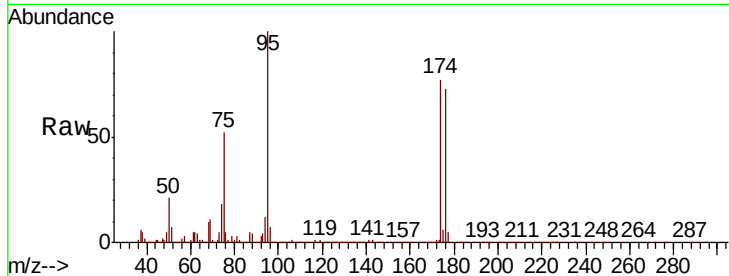
Tot Ion: 75 Resp: 118217

Ion Ratio Lower Upper

75 100

53 0.5 77.9 116.9#

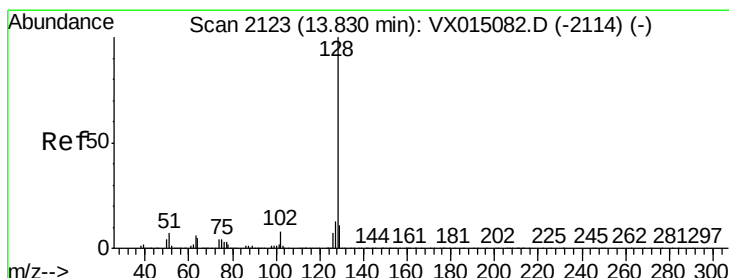
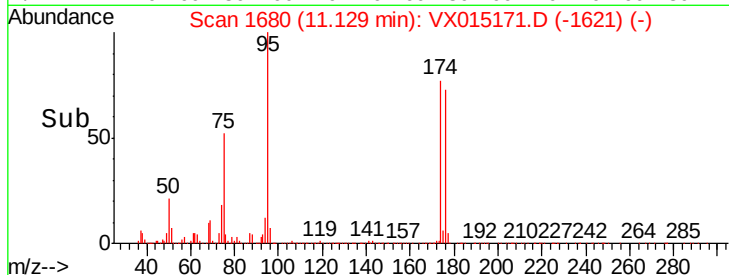
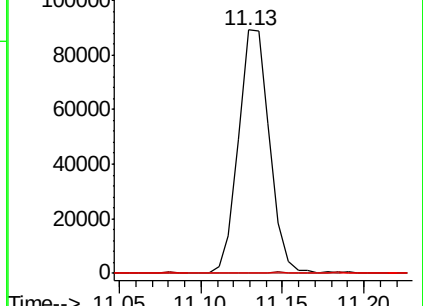
89 0.0 36.2 54.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#95

Naphthalene

Concen: 1.448 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX015171.D

Acq: 10 Mar 2020 15:19

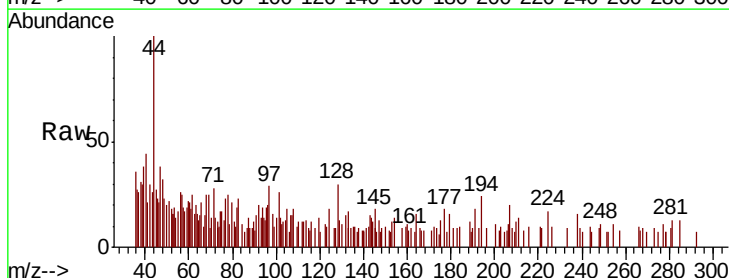
Tgt Ion:128 Resp: 517

Ion Ratio Lower Upper

128 100

127 21.9 10.3 15.5#

129 68.5 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

