

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031720\
 Data File : VX015310.D
 Acq On : 17 Mar 2020 09:19
 Operator : JC/SP
 Sample : VX0317WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0317WBL01

Quant Time: Mar 18 01:16:21 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	303925	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	488648	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	456142	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	218371	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	176057	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
35) Dibromofluoromethane	5.48	113	153841	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
50) Toluene-d8	8.71	98	590083	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
62) 4-Bromofluorobenzene	11.13	95	204467	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	

Target Compounds

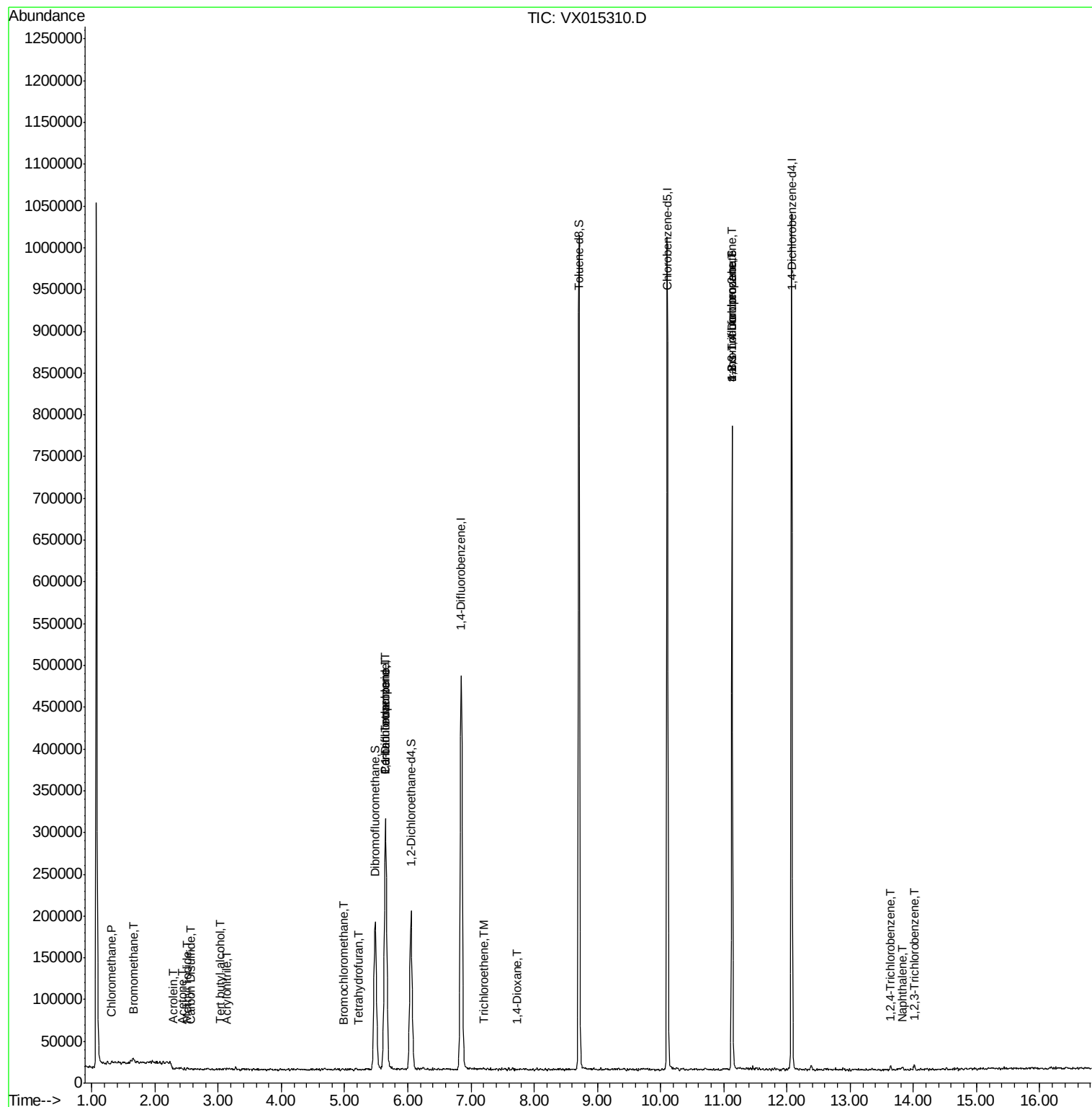
						Qvalue
3) Chloromethane	1.32	50	1332	0.353	ug/l #	81
5) Bromomethane	1.65	94	2013	0.857	ug/l	92
10) Methyl Iodide	2.51	142	1992	0.616	ug/l #	82
11) Tert butyl alcohol	3.03	59	223	0.356	ug/l #	1
13) Acrolein	2.28	56	248	0.422	ug/l	95
15) Acrylonitrile	3.13	53	516	0.331	ug/l #	51
16) Acetone	2.43	43	670	0.459	ug/l #	84
17) Carbon Disulfide	2.56	76	1660	0.202	ug/l #	94
28) Bromochloromethane	5.00	49	532	0.205	ug/l #	21
29) Tetrahydrofuran	5.23	42	715	0.519	ug/l	91
36) 1,1-Dichloropropene	5.65	75	22127	4.898	ug/l #	52
38) Carbon Tetrachloride	5.65	117	25568	5.996	ug/l #	18
44) Trichloroethene	7.19	130	999	0.268	ug/l	40
49) 1,4-Dioxane	7.73	88	240	2.959	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	98108	22.523	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	98108	63.921	ug/l #	11
93) 1,2,4-Trichlorobenzene	13.64	180	1443	0.306	ug/l #	81
95) Naphthalene	13.83	128	2921	1.616	ug/l #	86
96) 1,2,3-Trichlorobenzene	14.02	180	1206	0.256	ug/l #	71

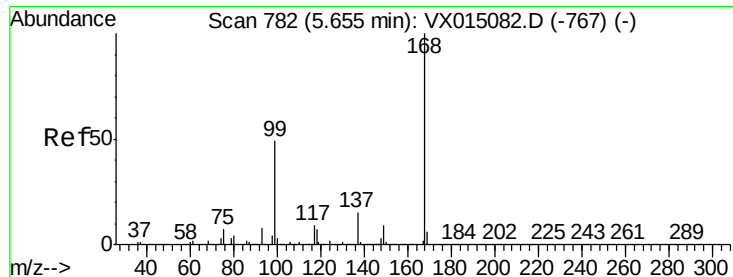
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampled :
VX0317WBL01

Quant Time: Mar 18 01:16:21 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# 781

Delta R.T. -0.01 min

Lab File: VX015310.D

Acq: 17 Mar 2020 09:19

Instrument :

MSVOA_X

ClientSampleId :

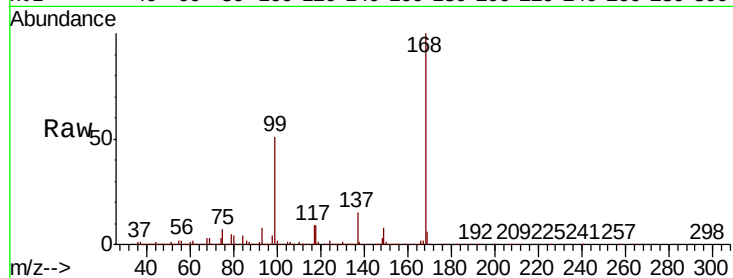
VX0317WBL01

Tot Ion:168 Resp: 303925

Ion Ratio Lower Upper

168 100

99 50.9 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

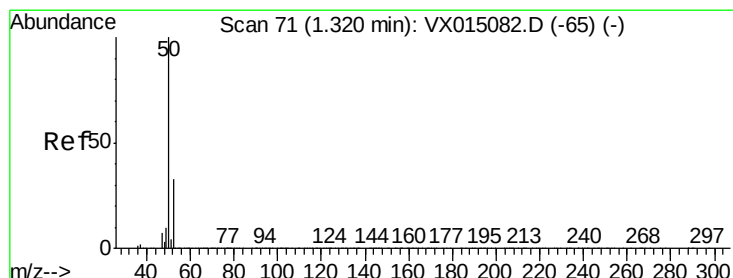
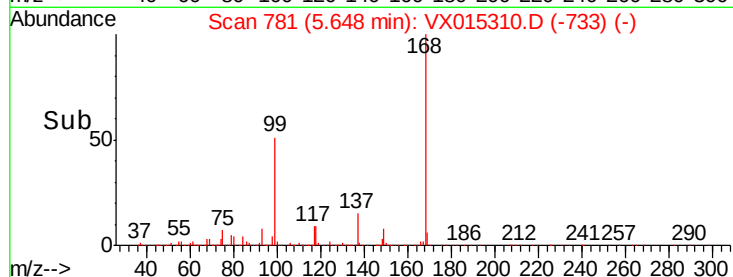
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.353 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX015310.D

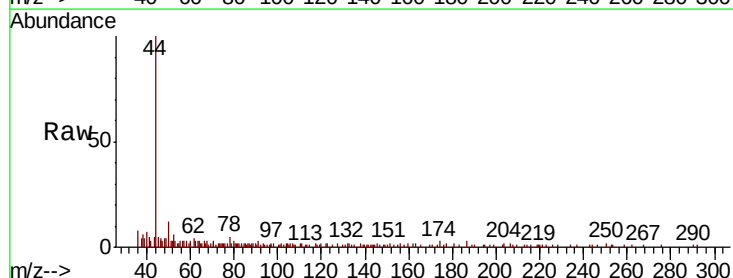
Acq: 17 Mar 2020 09:19

Tgt Ion: 50 Resp: 1332

Ion Ratio Lower Upper

50 100

52 22.2 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

800

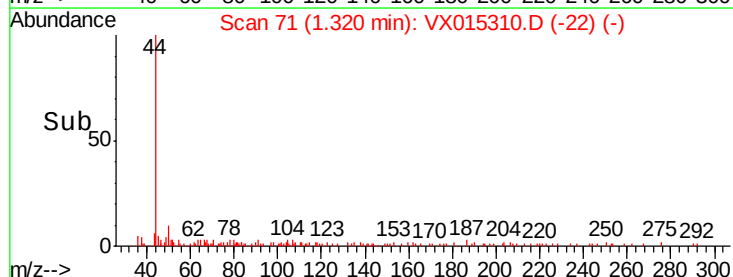
600

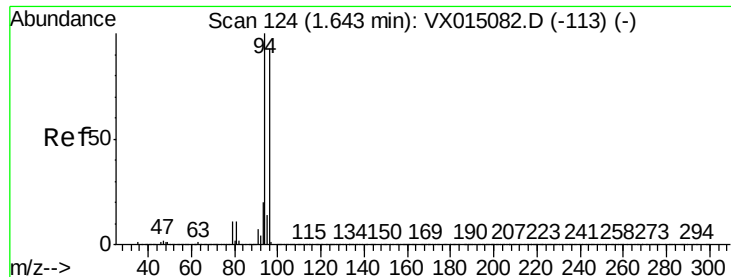
400

200

0

Time-->





#5

Bromomethane

Concen: 0.857 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.01 min

Lab File: VX015310.D

Acq: 17 Mar 2020 09:19

Instrument :

MSVOA_X

ClientSampleId :

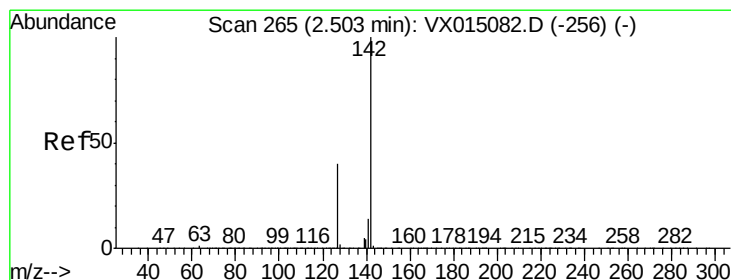
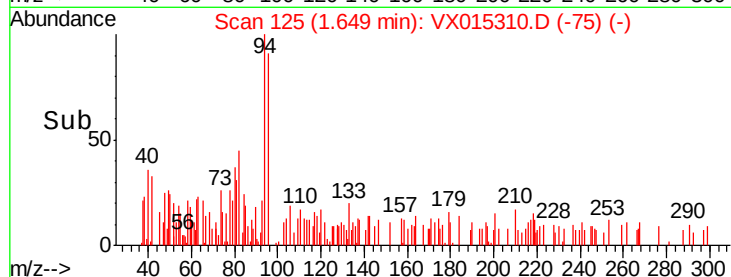
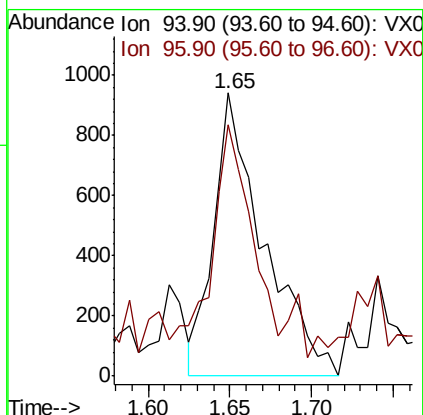
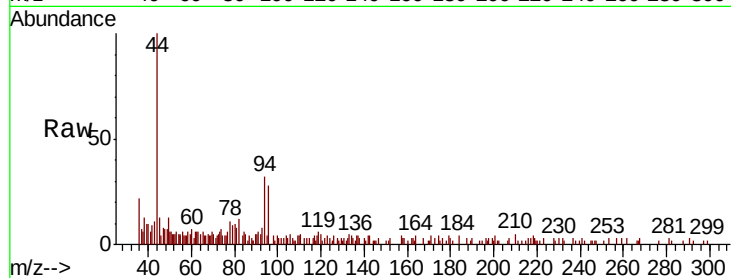
VX0317WBL01

Tot Ion: 94 Resp: 2013

Ion Ratio Lower Upper

94 100

96 85.3 74.6 111.8



#10

Methyl Iodide

Concen: 0.616 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX015310.D

Acq: 17 Mar 2020 09:19

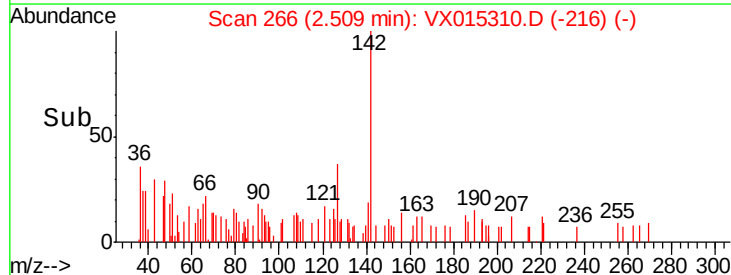
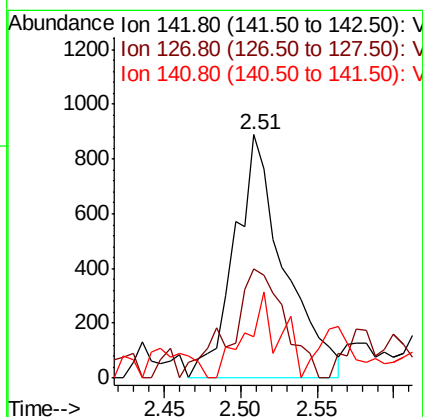
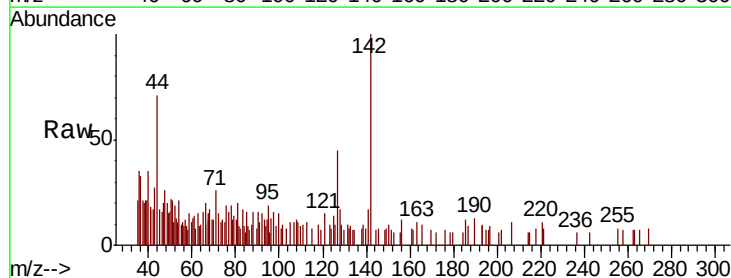
Tgt Ion: 142 Resp: 1992

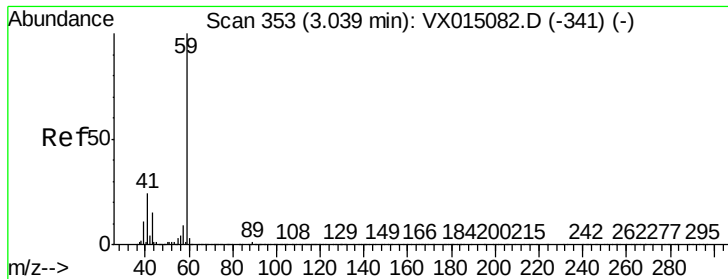
Ion Ratio Lower Upper

142 100

127 49.0 31.7 47.5#

141 24.3 11.3 16.9#

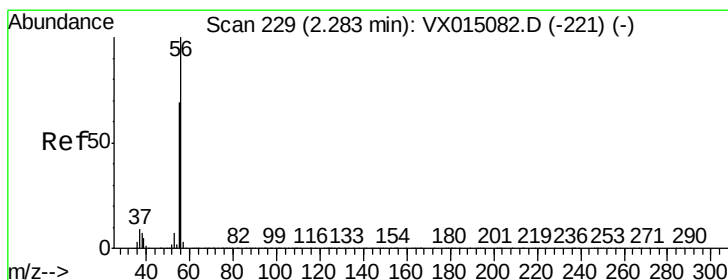
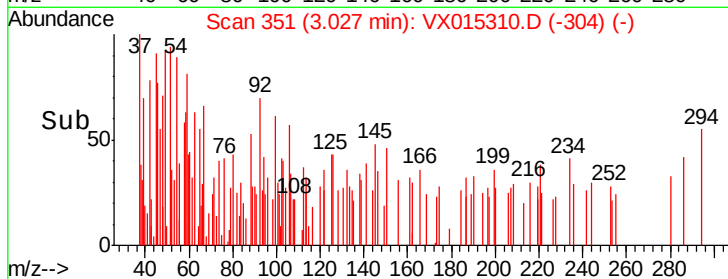
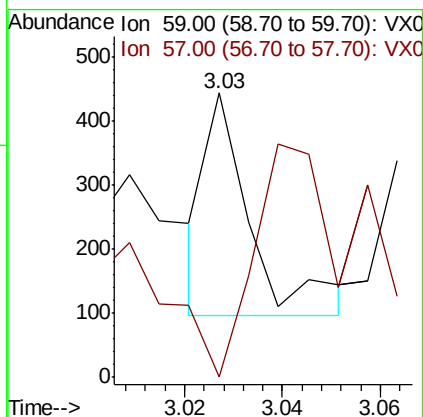
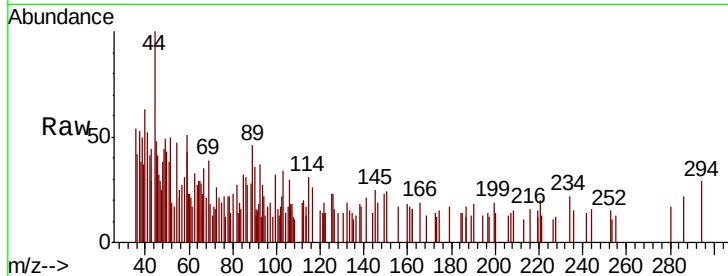




#11
Tert butyl alcohol
Concen: 0.356 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX015310.D
Acq: 17 Mar 2020 09:19

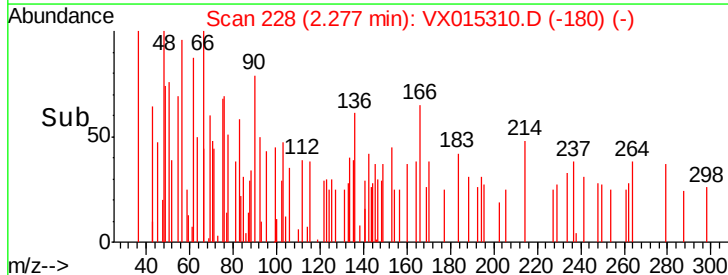
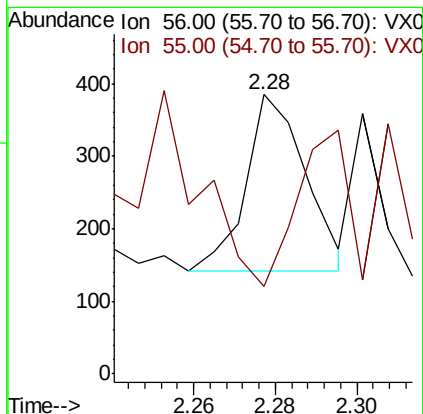
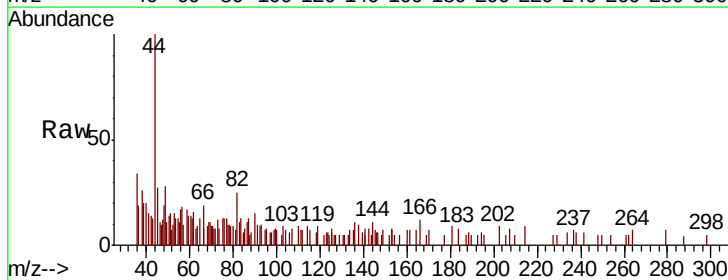
Instrument :
MSVOA_X
ClientSampleId :
VX0317WBL01

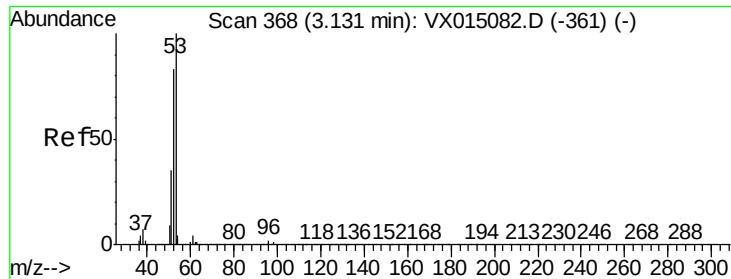
Tot Ion: 59 Resp: 223
Ion Ratio Lower Upper
59 100
57 279.4 8.2 12.4#



#13
Acrolein
Concen: 0.422 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.01 min
Lab File: VX015310.D
Acq: 17 Mar 2020 09:19

Tgt Ion: 56 Resp: 248
Ion Ratio Lower Upper
56 100
55 73.4 55.4 83.0





#15

Acrylonitrile

Concen: 0.331 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX015310.D

Acq: 17 Mar 2020 09:19

Instrument :

MSVOA_X

ClientSampleId :

VX0317WBL01

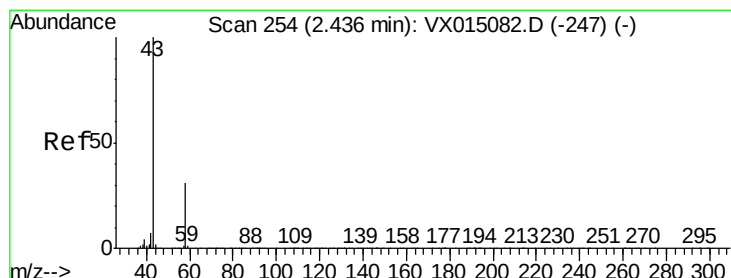
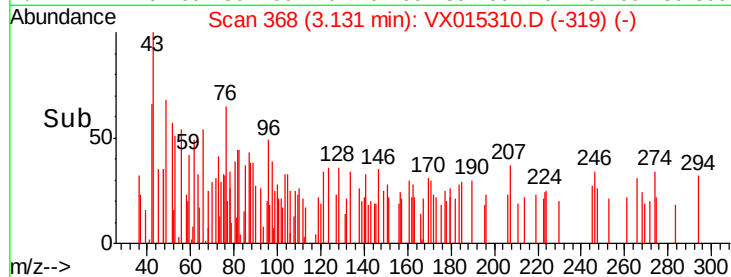
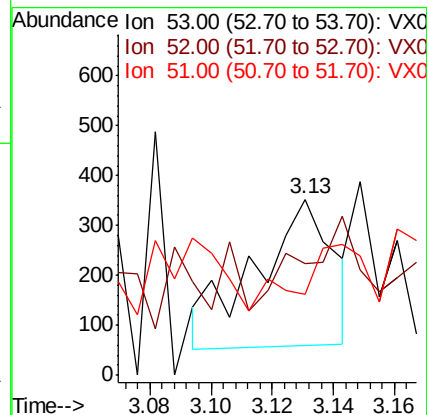
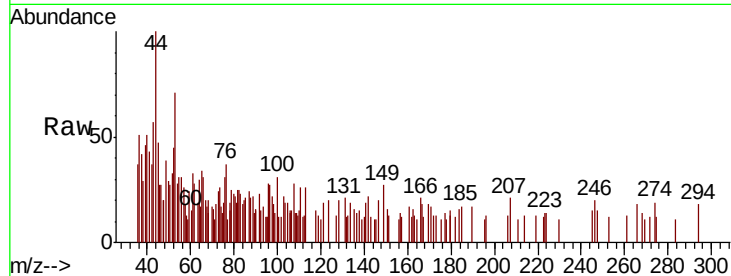
Tot Ion: 53 Resp: 516

Ion Ratio Lower Upper

53 100

52 28.1 66.6 100.0#

51 49.2 29.0 43.6#



#16

Acetone

Concen: 0.459 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX015310.D

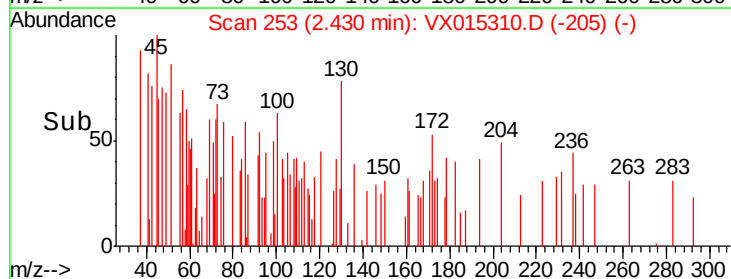
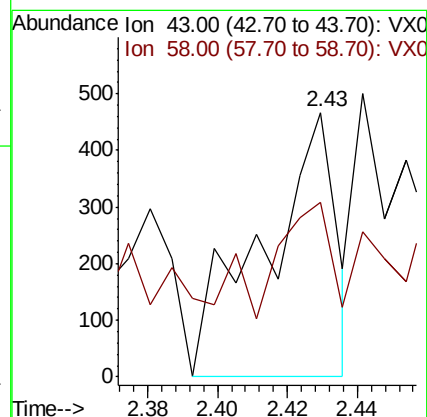
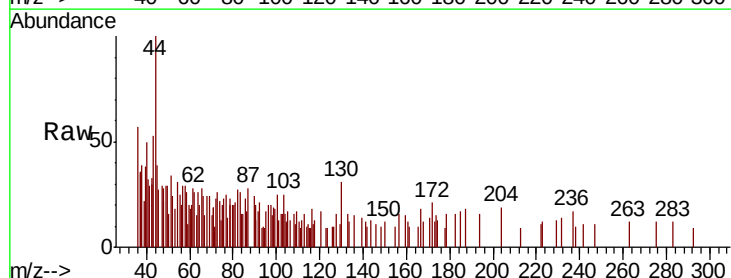
Acq: 17 Mar 2020 09:19

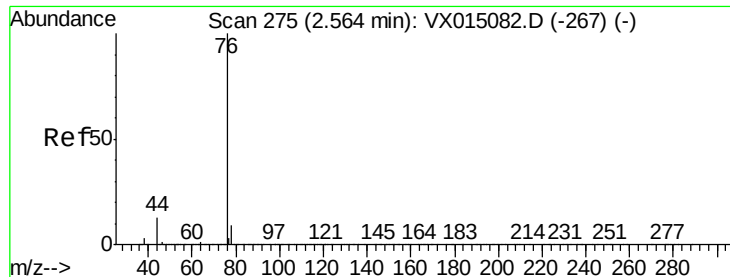
Tgt Ion: 43 Resp: 670

Ion Ratio Lower Upper

43 100

58 39.8 24.8 37.2#





#17

Carbon Disulfide

Concen: 0.202 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.00 min

Lab File: VX015310.D

Acq: 17 Mar 2020 09:19

Instrument :

MSVOA_X

ClientSampleId :

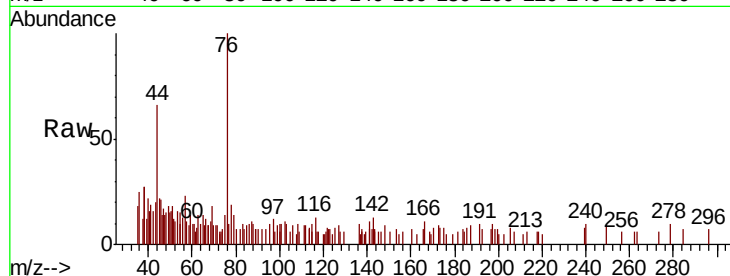
VX0317WBL01

Tot Ion: 76 Resp: 1660

Ion Ratio Lower Upper

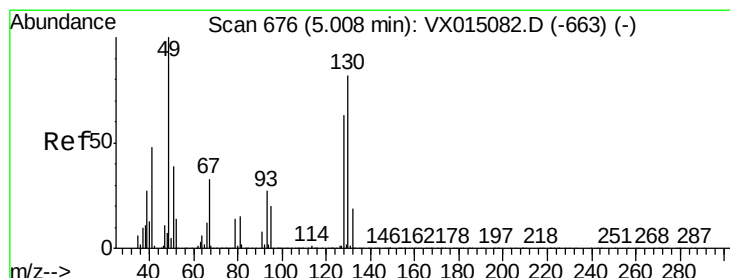
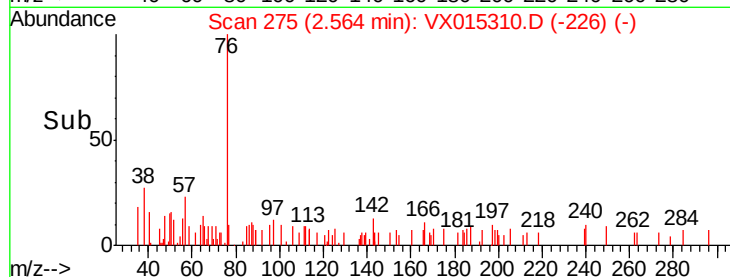
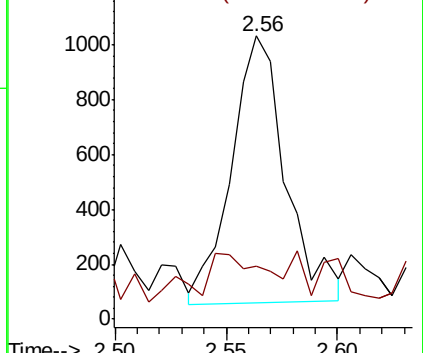
76 100

78 7.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#28

Bromochloromethane

Concen: 0.205 ug/l

RT: 5.00 min Scan# 674

Delta R.T. -0.01 min

Lab File: VX015310.D

Acq: 17 Mar 2020 09:19

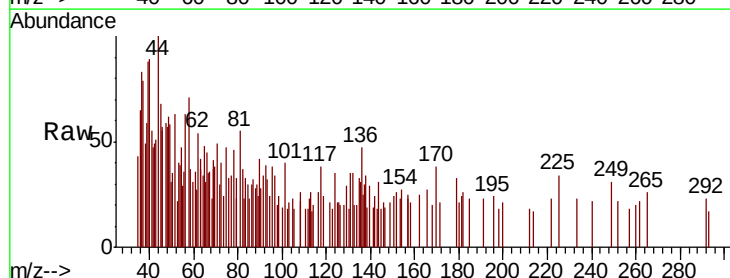
Tgt Ion: 49 Resp: 532

Ion Ratio Lower Upper

49 100

129 16.2 0.0 4.4#

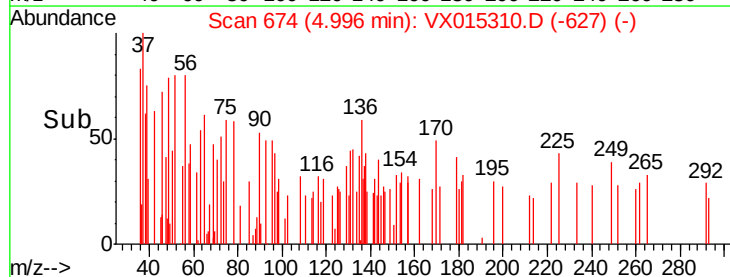
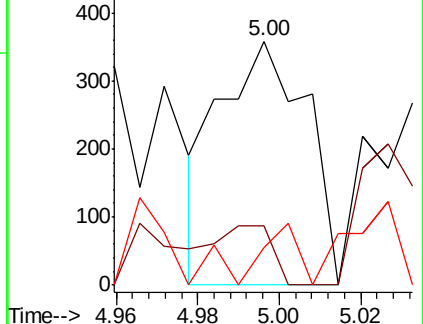
130 10.0 65.0 97.6#

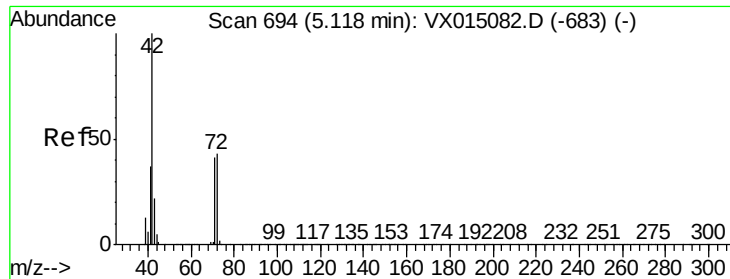


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 0.519 ug/l

RT: 5.23 min Scan# 712

Delta R.T. 0.11 min

Lab File: VX015310.D

Acq: 17 Mar 2020 09:19

Instrument :

MSVOA_X

ClientSampled :

VX0317WBL01

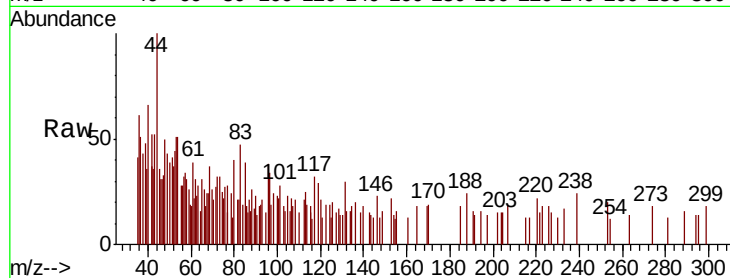
Tot Ion: 42 Resp: 715

Ion Ratio Lower Upper

42 100

72 52.9 36.4 54.6

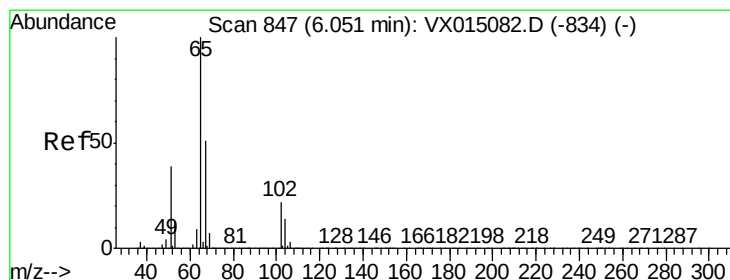
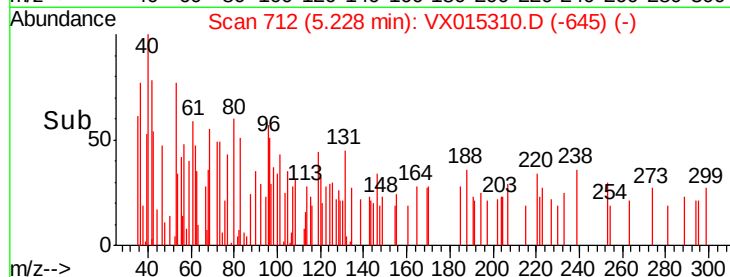
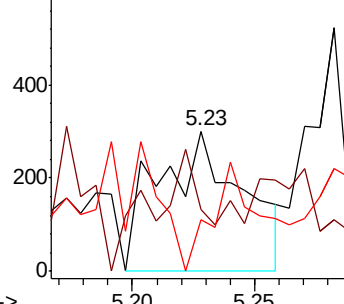
71 46.3 33.3 49.9



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: 48.828 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.01 min

Lab File: VX015310.D

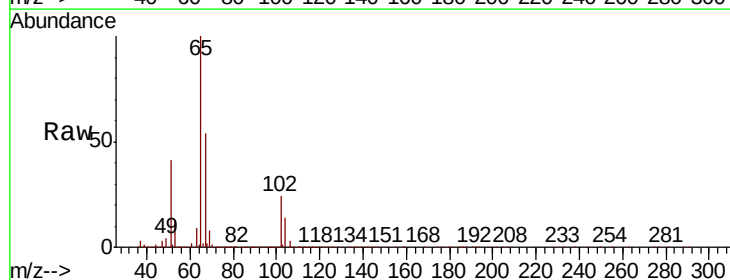
Acq: 17 Mar 2020 09:19

Tgt Ion: 65 Resp: 176057

Ion Ratio Lower Upper

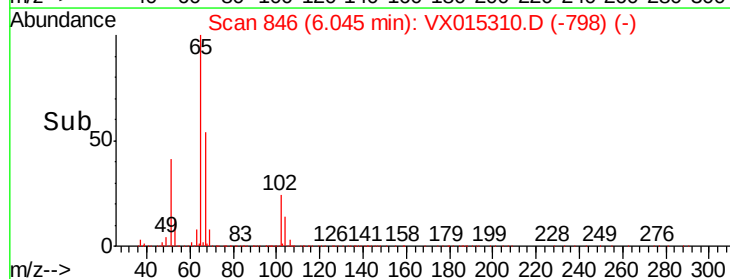
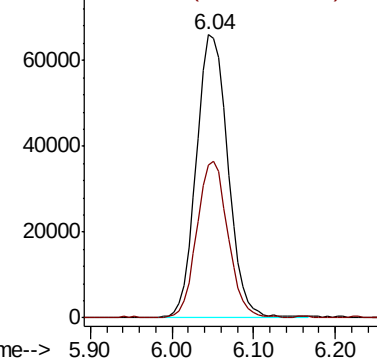
65 100

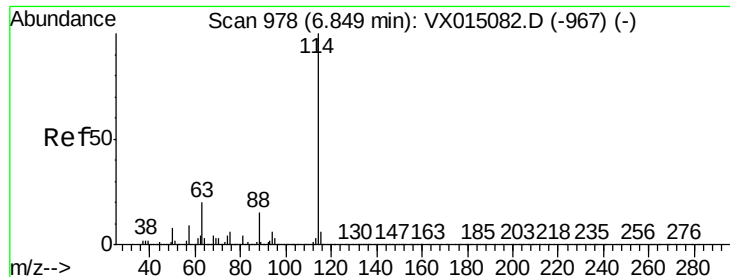
67 54.5 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

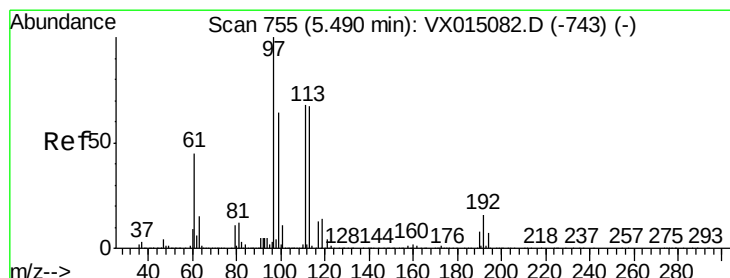
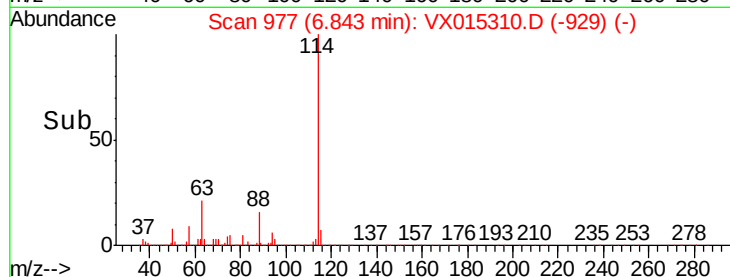
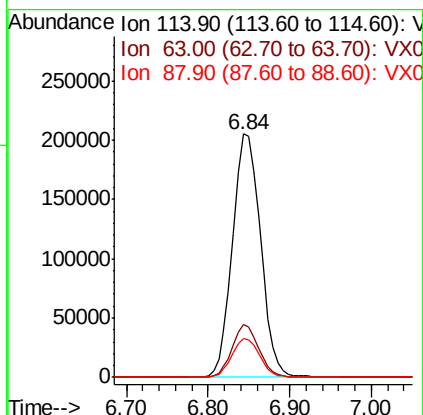
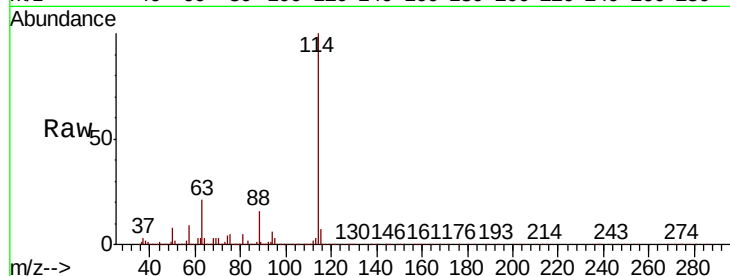




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX015310.D
 Acq: 17 Mar 2020 09:19

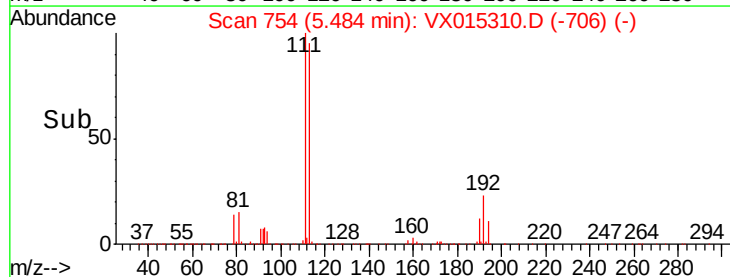
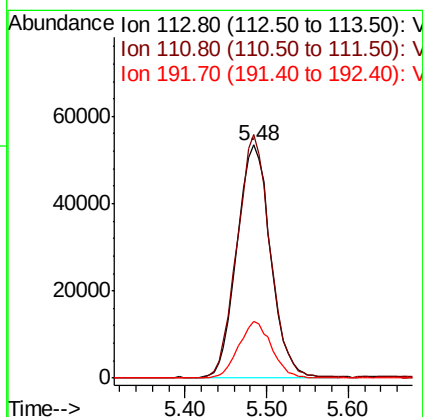
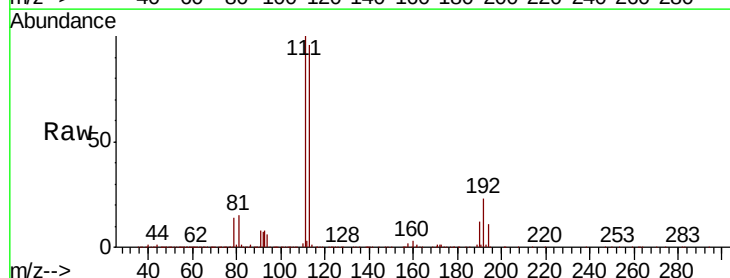
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0317WBL01

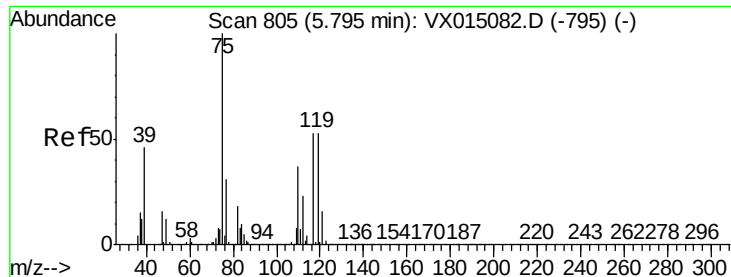
Tot Ion:114 Resp: 488648
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 40.0
 88 16.0 0.0 30.6



#35
 Dibromofluoromethane
 Concen: 49.904 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX015310.D
 Acq: 17 Mar 2020 09:19

Tgt Ion:113 Resp: 153841
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.6 123.8
 192 23.9 18.6 28.0

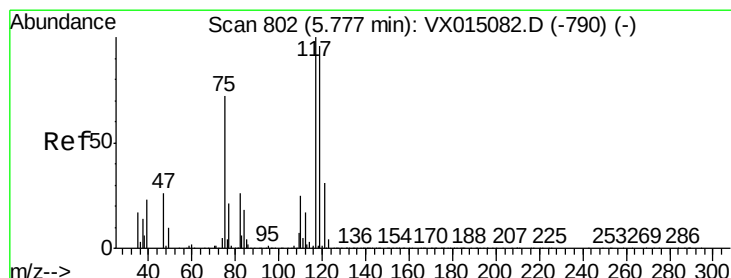
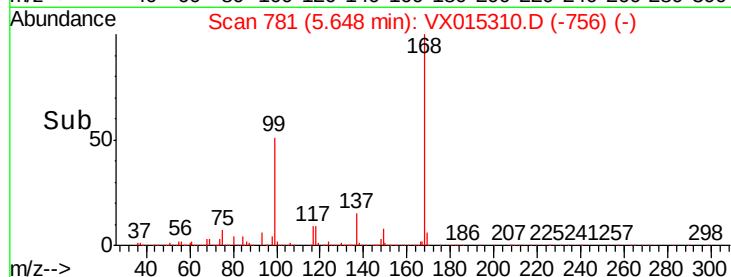
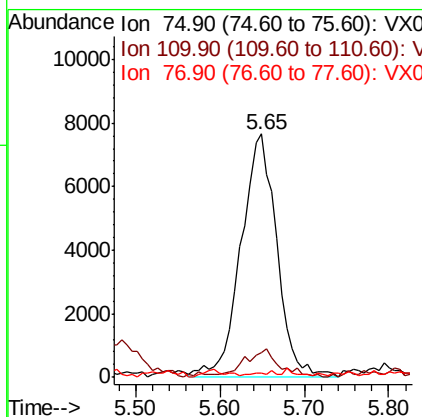
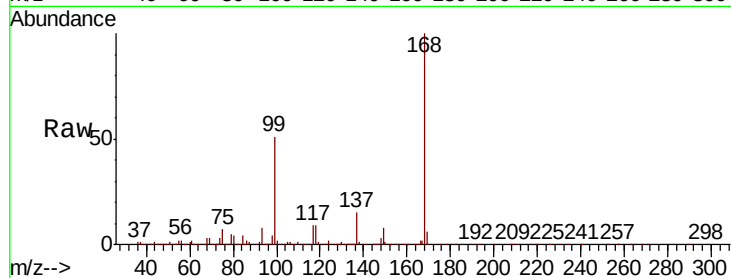




#36
 1,1-Dichloropropene
 Concen: 4.898 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.15 min
 Lab File: VX015310.D
 Acq: 17 Mar 2020 09:19

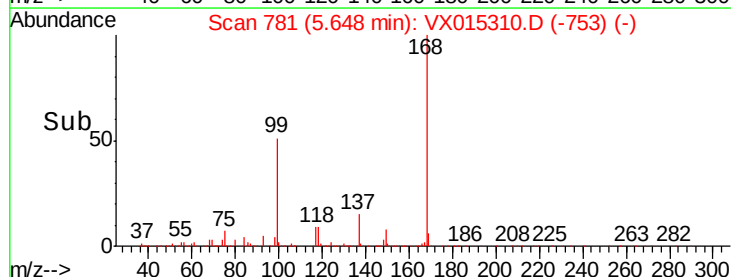
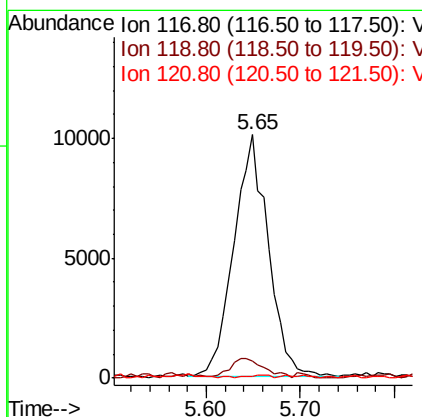
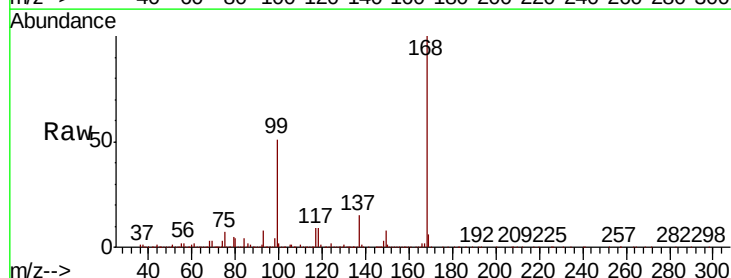
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0317WBL01

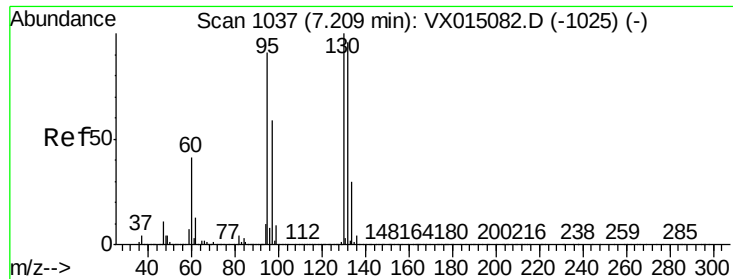
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.7	17.9	53.8#
77	0.7	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 5.996 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX015310.D
 Acq: 17 Mar 2020 09:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.0	76.9	115.3#
121	0.8	24.6	37.0#





#44

Trichloroethene

Concen: 0.268 ug/l

RT: 7.19 min Scan# 1034

Delta R.T. -0.02 min

Lab File: VX015310.D

Acq: 17 Mar 2020 09:19

Instrument :

MSVOA_X

ClientSampled :

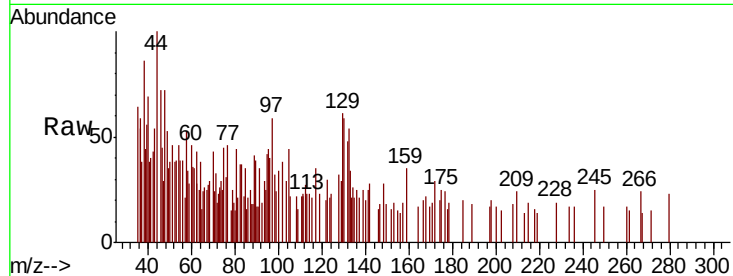
VX0317WBL01

Tot Ion:130 Resp: 999

Ion Ratio Lower Upper

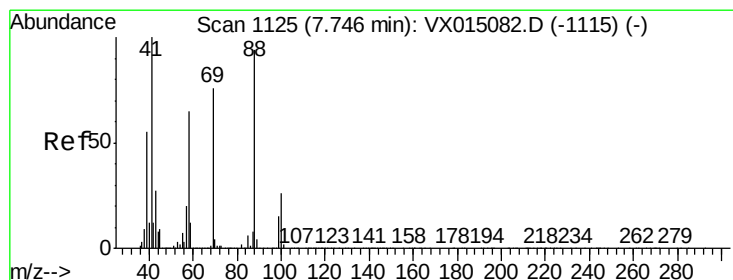
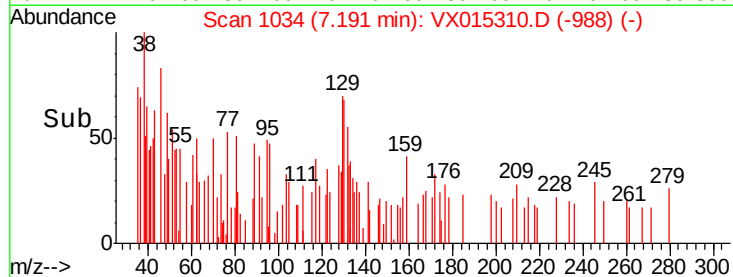
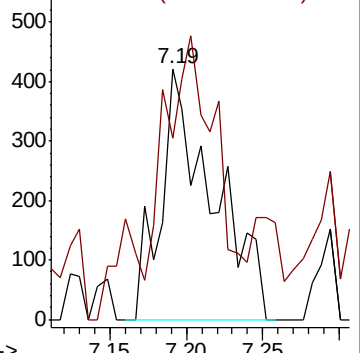
130 100

95 33.4 0.0 181.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 2.959 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.02 min

Lab File: VX015310.D

Acq: 17 Mar 2020 09:19

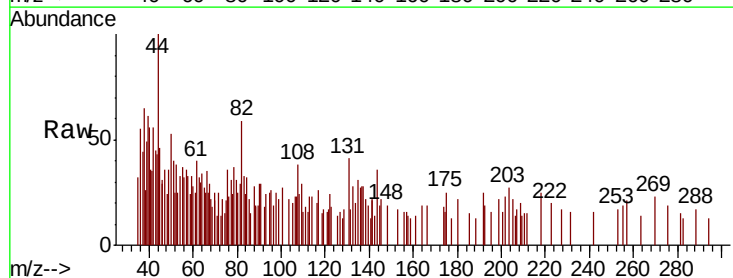
Tgt Ion: 88 Resp: 240

Ion Ratio Lower Upper

88 100

43 337.5 27.0 40.4#

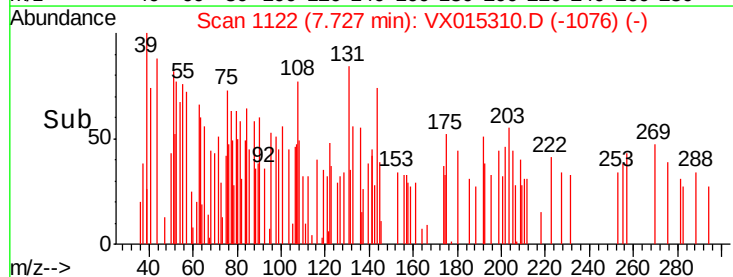
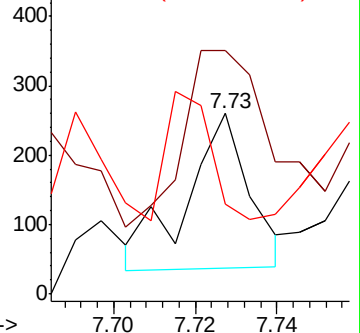
58 87.1 55.6 83.4#

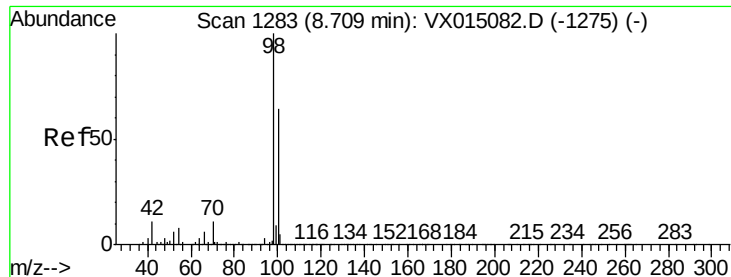


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.321 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX015310.D

Acq: 17 Mar 2020 09:19

Instrument :

MSVOA_X

ClientSampleId :

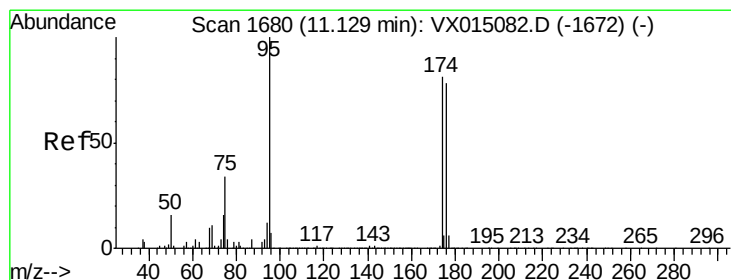
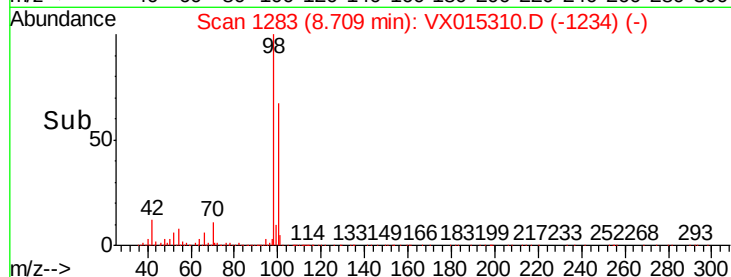
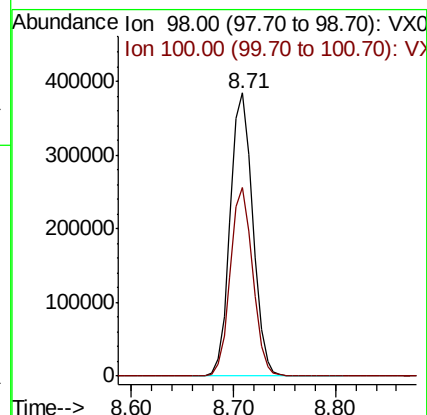
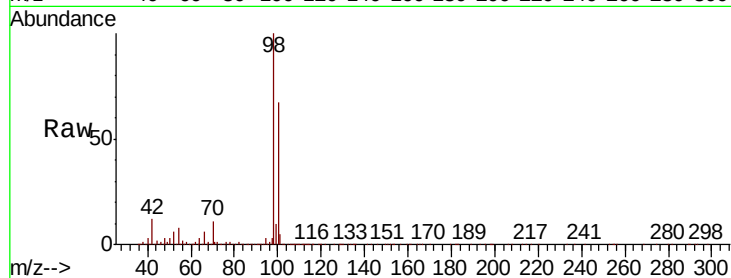
VX0317WBL01

Tot Ion: 98 Resp: 590083

Ion Ratio Lower Upper

98 100

100 65.7 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 48.885 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX015310.D

Acq: 17 Mar 2020 09:19

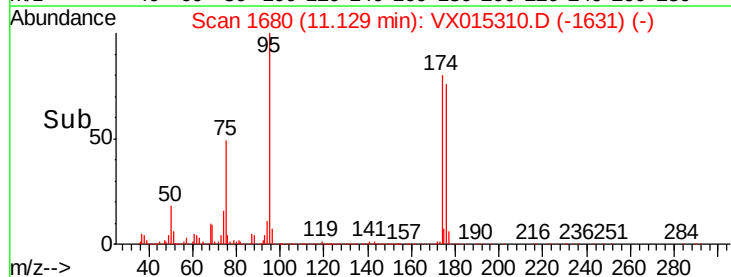
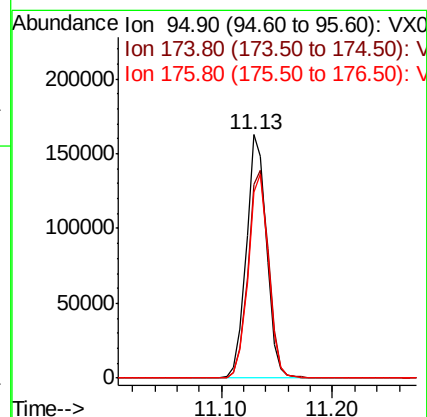
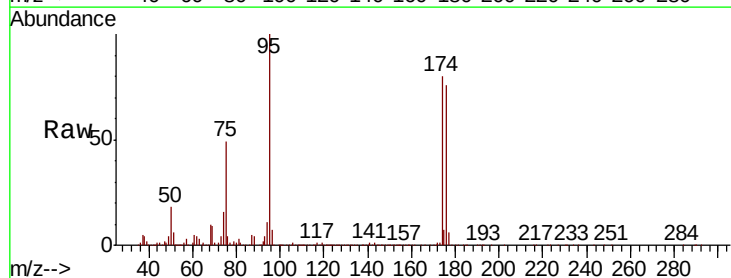
Tgt Ion: 95 Resp: 204467

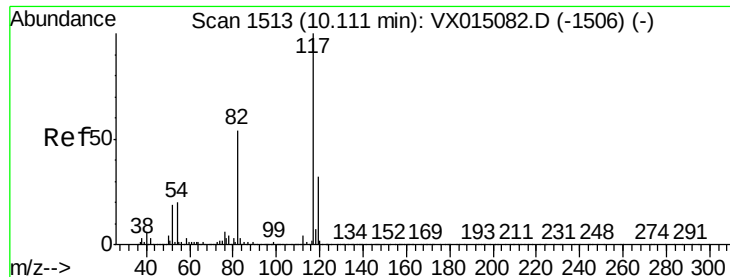
Ion Ratio Lower Upper

95 100

174 88.0 0.0 177.6

176 84.3 0.0 170.2

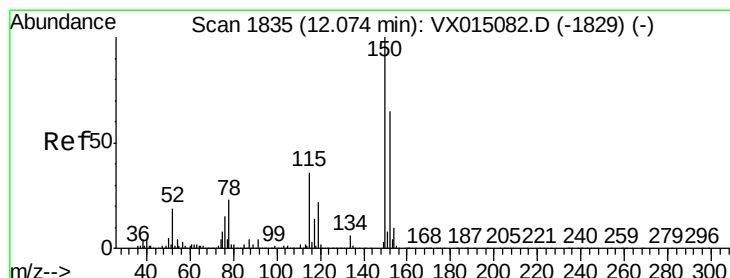
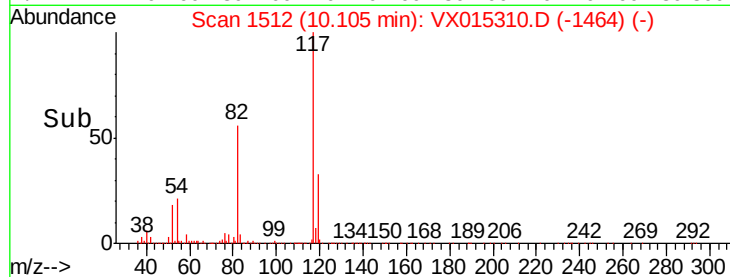
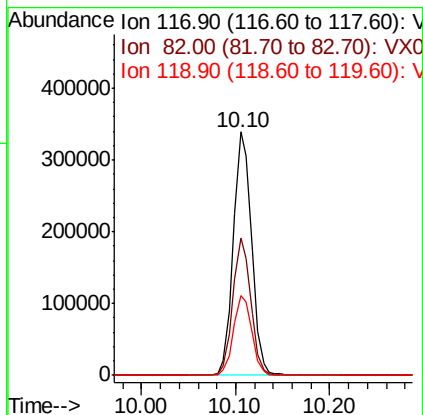
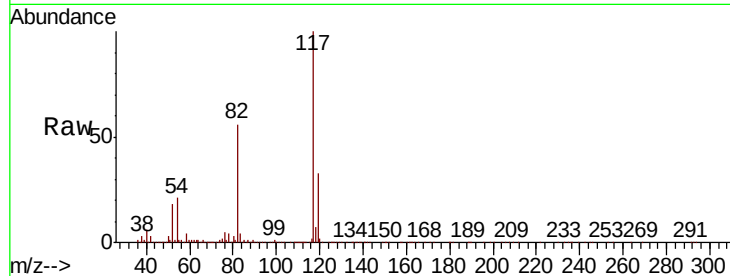




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX015310.D
Acq: 17 Mar 2020 09:19

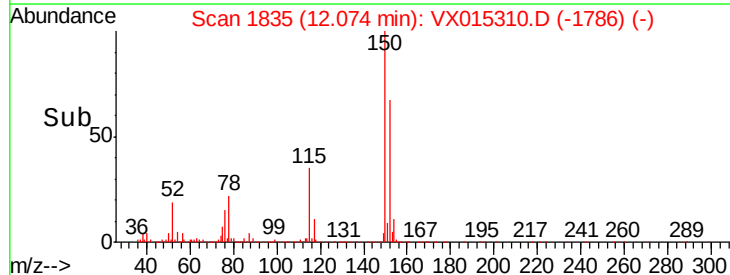
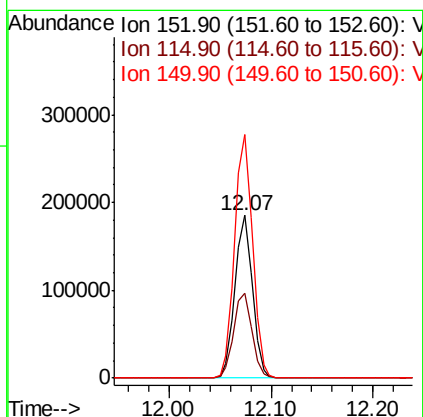
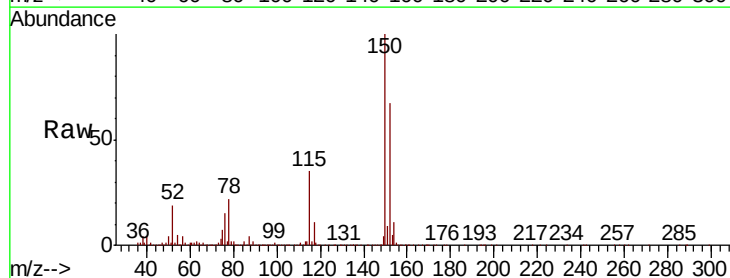
Instrument :
MSVOA_X
ClientSampleId :
VX0317WBL01

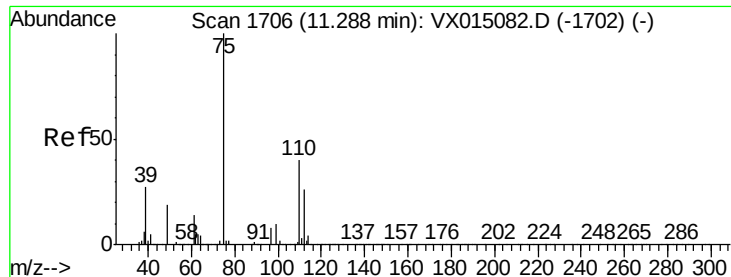
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.4	43.3	64.9
119	32.8	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX015310.D
Acq: 17 Mar 2020 09:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.4	38.2	114.6
150	154.0	0.0	343.8





#76

1,2,3-Trichloropropane

Concen: 22.523 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015310.D

Acq: 17 Mar 2020 09:19

Instrument :

MSVOA_X

ClientSampleId :

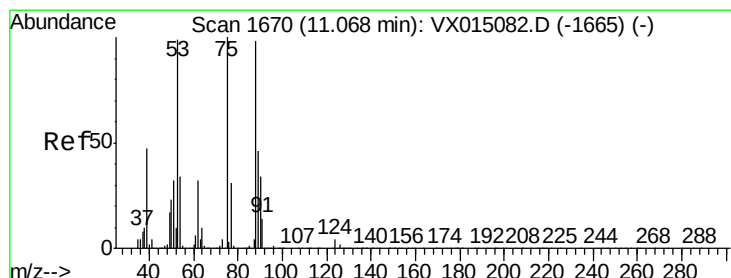
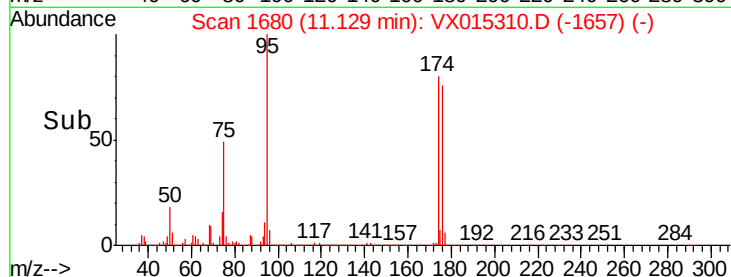
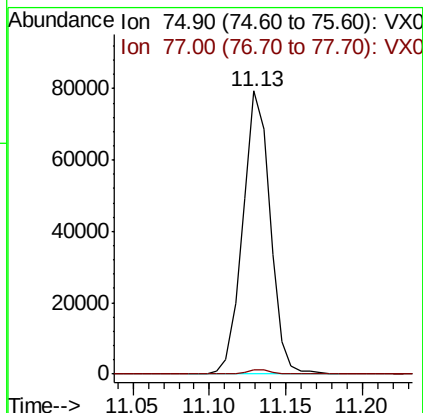
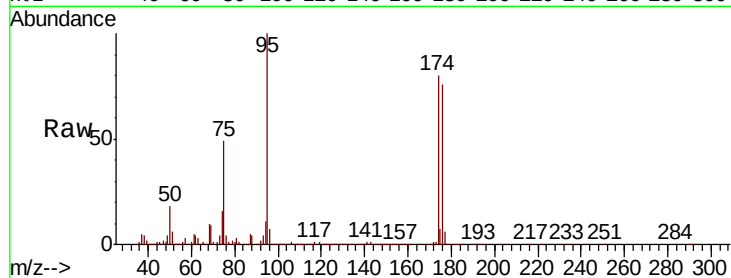
VX0317WBL01

Tot Ion: 75 Resp: 98108

Ion Ratio Lower Upper

75 100

77 1.6 22.6 67.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.921 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015310.D

Acq: 17 Mar 2020 09:19

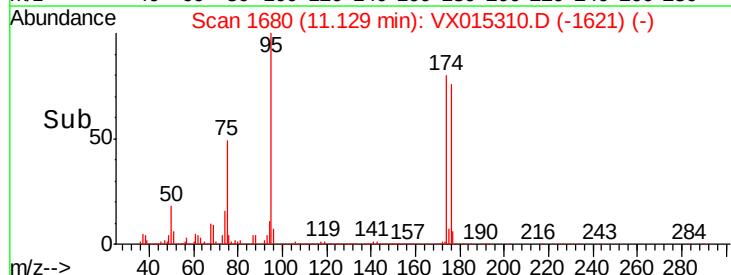
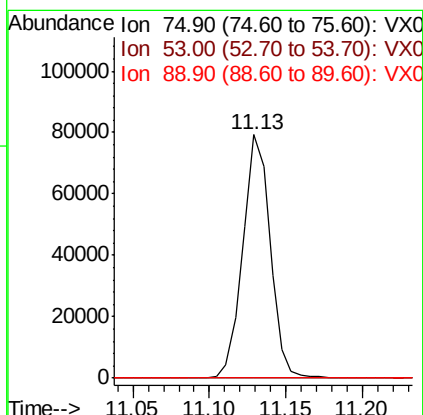
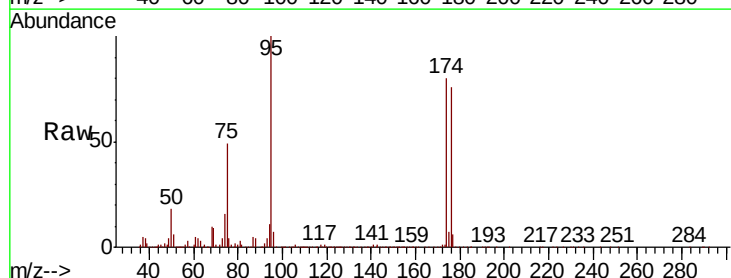
Tgt Ion: 75 Resp: 98108

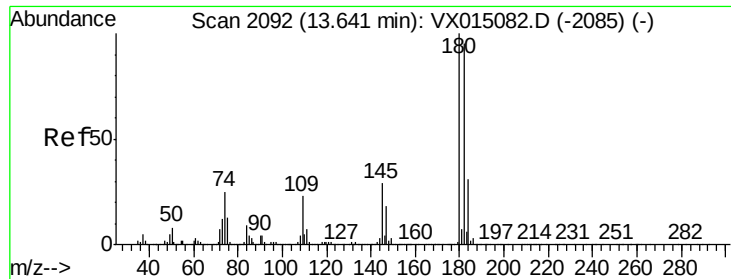
Ion Ratio Lower Upper

75 100

53 0.2 77.9 116.9#

89 0.2 36.2 54.2#

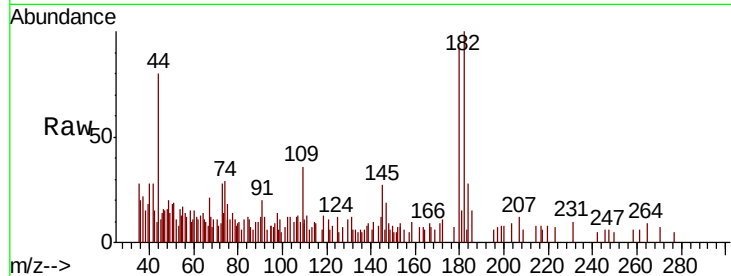




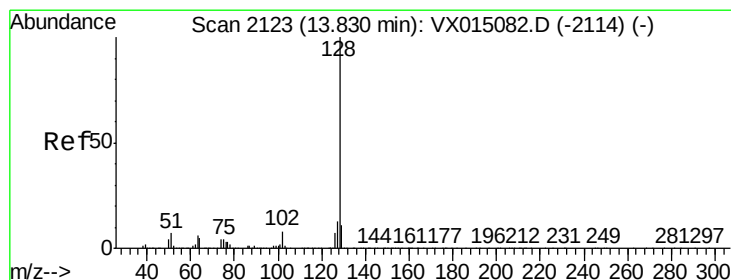
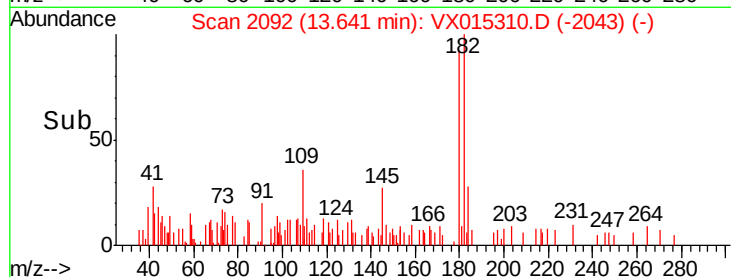
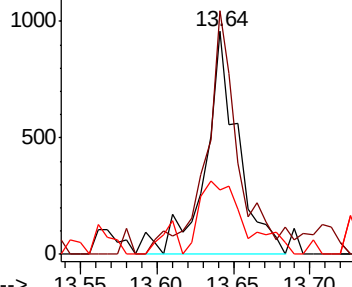
#93
 1,2,4-Trichlorobenzene
 Concen: 0.306 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX015310.D
 Acq: 17 Mar 2020 09:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0317WBL01

Tot Ion:180 Resp: 1443
 Ion Ratio Lower Upper
 180 100
 182 109.4 47.6 142.8
 145 45.1 14.1 42.2#

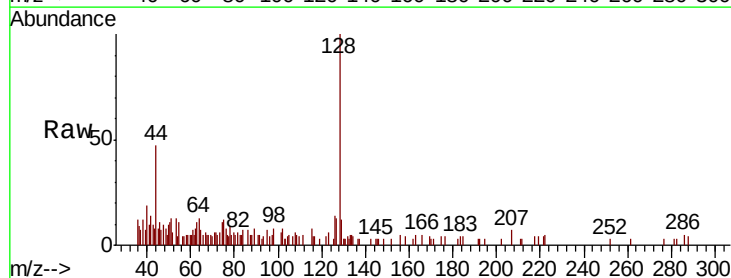


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

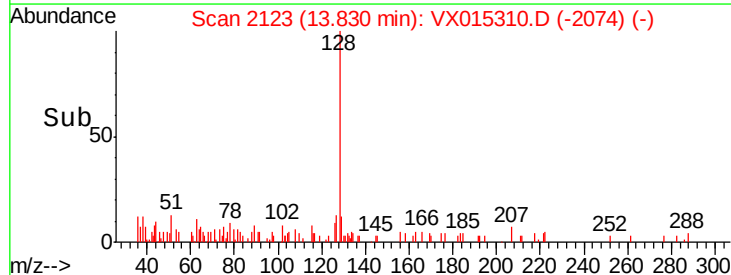
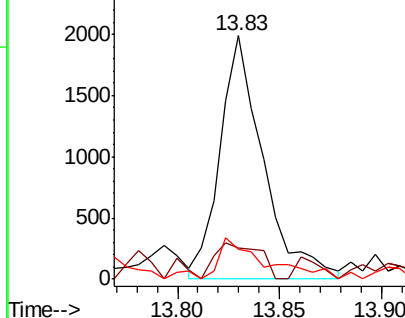


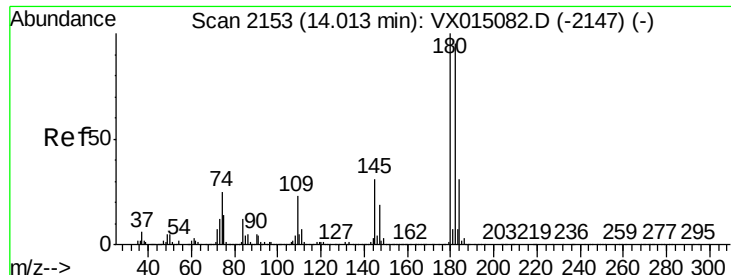
#95
 Naphthalene
 Concen: 1.616 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. 0.00 min
 Lab File: VX015310.D
 Acq: 17 Mar 2020 09:19

Tgt Ion:128 Resp: 2921
 Ion Ratio Lower Upper
 128 100
 127 15.3 10.3 15.5
 129 19.6 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

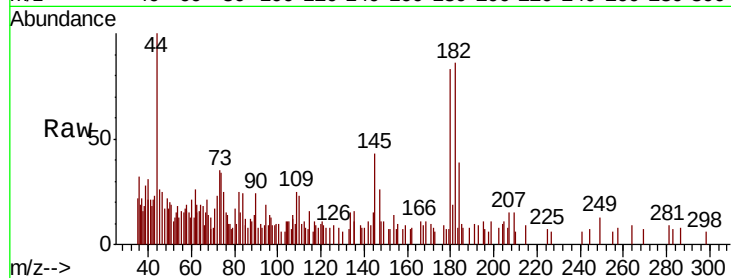




#96
 1,2,3-Trichlorobenzene
 Concen: 0.256 ug/l
 RT: 14.02 min Scan# 2154
 Delta R.T. 0.01 min
 Lab File: VX015310.D
 Acq: 17 Mar 2020 09:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0317WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	112.4	47.8	143.4
145	67.0	15.1	45.3



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

