

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030520\
 Data File : VX015112.D
 Acq On : 05 Mar 2020 16:41
 Operator : JC/SP
 Sample : L1818-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 W-2A

Quant Time: Mar 06 02:23:26 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	358327	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	579021	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	553609	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	291907	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	212205	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
35) Dibromofluoromethane	5.49	113	179457	49.13	ug/l	0.00
Spiked Amount			Recovery	=	98.26%	
50) Toluene-d8	8.71	98	692971	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
62) 4-Bromofluorobenzene	11.13	95	259055	52.27	ug/l	0.00
Spiked Amount			Recovery	=	104.54%	

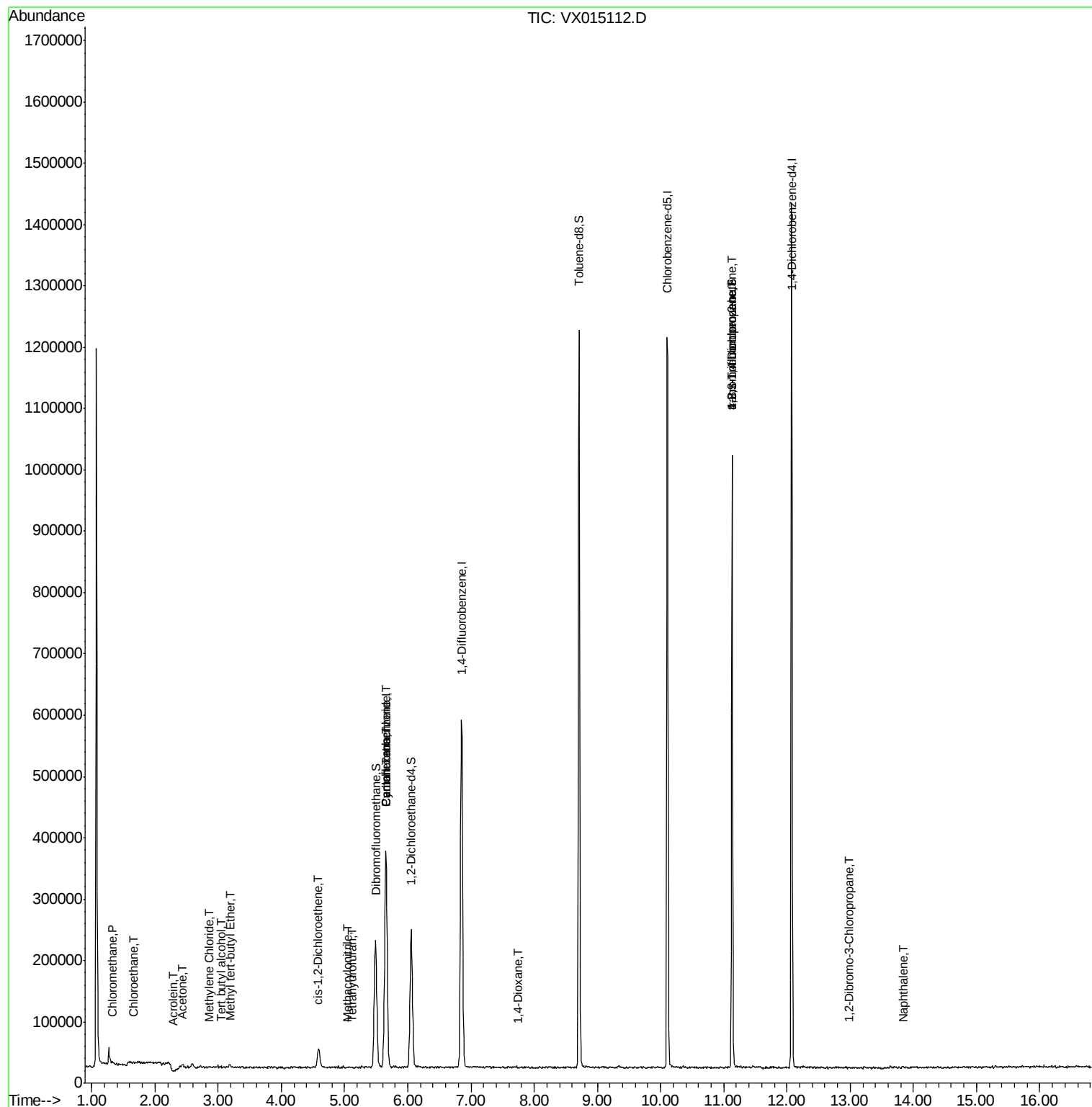
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1188	0.267	ug/l #	88
6) Chloroethane	1.66	64	977	0.361	ug/l #	42
11) Tert butyl alcohol	3.04	59	704	0.954	ug/l #	72
13) Acrolein	2.28	56	186	0.268	ug/l #	15
16) Acetone	2.43	43	6639	3.856	ug/l	97
19) Methyl tert-butyl Ether	3.19	73	5643	0.519	ug/l #	88
20) Methylene Chloride	2.85	84	880	0.218	ug/l #	57
27) cis-1,2-Dichloroethene	4.59	96	21184	5.079	ug/l	91
29) Tetrahydrofuran	5.12	42	426	0.262	ug/l #	60
31) Cyclohexane	5.65	56	6811	1.137	ug/l #	1
38) Carbon Tetrachloride	5.65	117	32138	6.361	ug/l #	15
41) Methacrylonitrile	5.04	41	855	0.287	ug/l #	26
49) 1,4-Dioxane	7.74	88	214	2.226	ug/l #	40
76) 1,2,3-Trichloropropane	11.13	75	128992	22.153	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	128992	62.872	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	12.99	75	281	0.226	ug/l #	33
95) Naphthalene	13.84	128	417	1.441	ug/l #	1

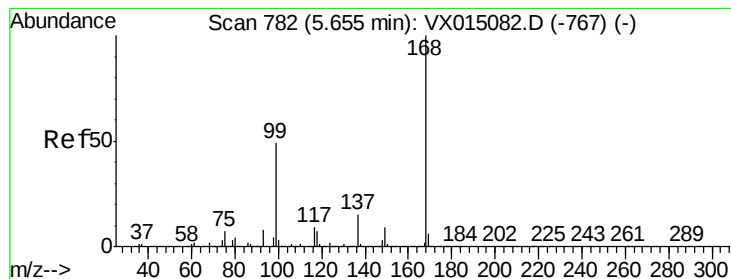
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX030520\
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Acq On : 05 Mar 2020 16:41
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Sample : L1818-02
Misc : 5.0mL/MSVOA X/WATER
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ClientSampleId :
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Quant Time: Mar 06 02:23:26 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: VX015112.D

Acq: 05 Mar 2020 16:41

Instrument :

MSVOA_X

ClientSampled :

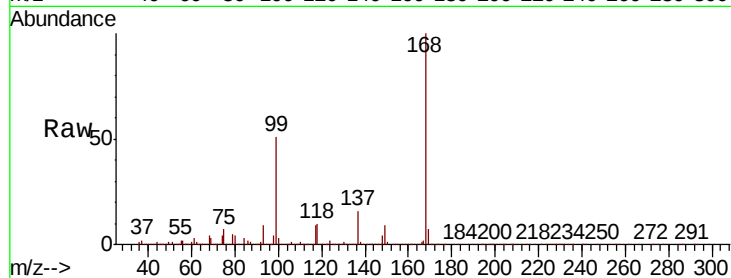
W-2A

Tot Ion:168 Resp: 358327

Ion Ratio Lower Upper

168 100

99 50.7 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

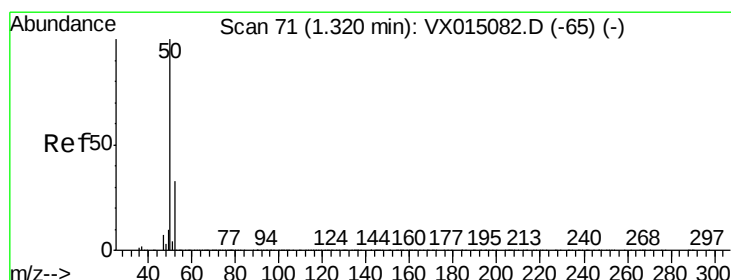
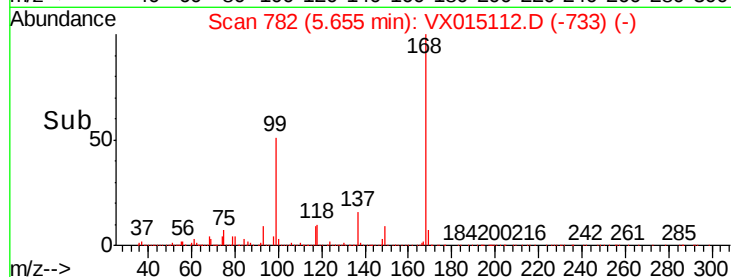
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.267 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX015112.D

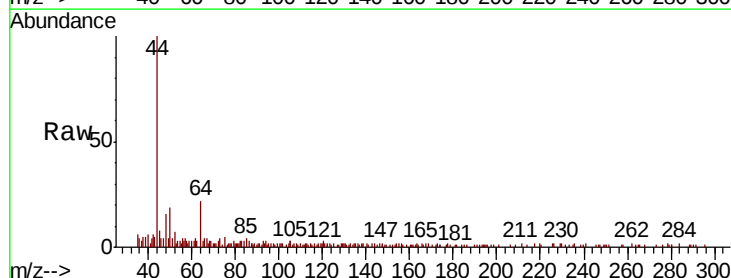
Acq: 05 Mar 2020 16:41

Tgt Ion: 50 Resp: 1188

Ion Ratio Lower Upper

50 100

52 26.0 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

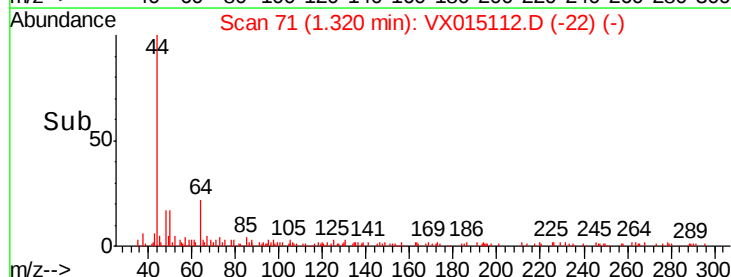
1.32

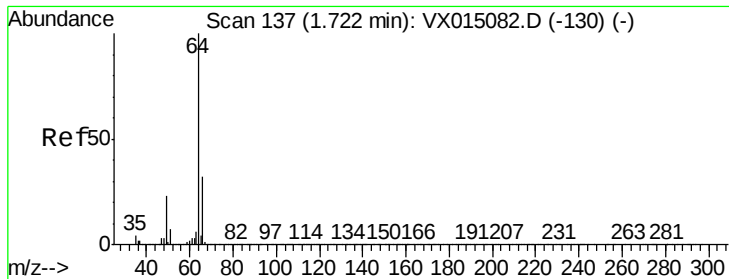
1000

500

0

Time-->





#6

Chloroethane

Concen: 0.361 ug/l

RT: 1.66 min Scan# 126

Delta R.T. -0.07 min

Lab File: VX015112.D

Acq: 05 Mar 2020 16:41

Instrument :

MSVOA_X

ClientSampleId :

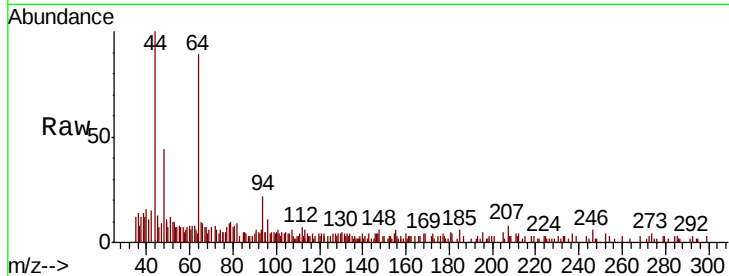
W-2A

Tot Ion: 64 Resp: 977

Ion Ratio Lower Upper

64 100

66 0.0 25.8 38.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.66

2500

2000

1500

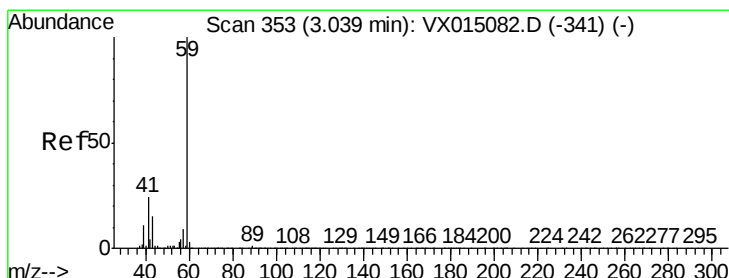
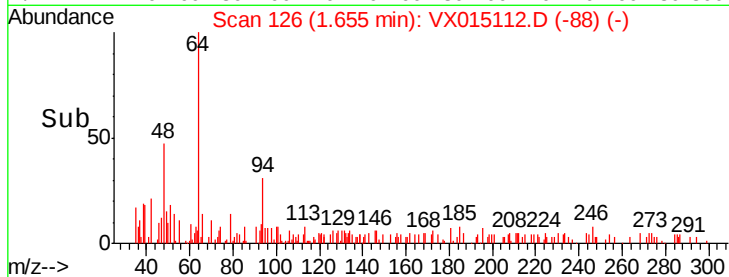
1000

500

0

1.64 1.66 1.68

Time-->



#11

Tert butyl alcohol

Concen: 0.954 ug/l

RT: 3.04 min Scan# 353

Delta R.T. 0.00 min

Lab File: VX015112.D

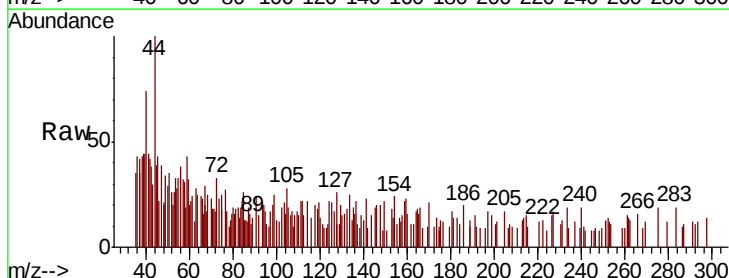
Acq: 05 Mar 2020 16:41

Tgt Ion: 59 Resp: 704

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

500

400

300

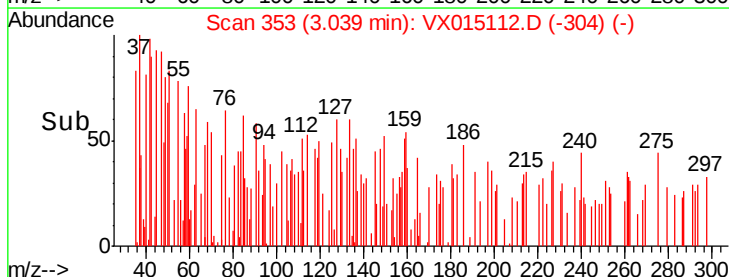
200

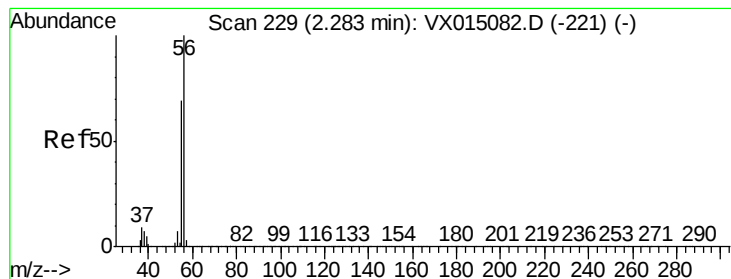
100

0

3.02 3.04 3.06 3.08

Time-->





#13

Acrolein

Concen: 0.268 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX015112.D

Acq: 05 Mar 2020 16:41

Instrument :

MSVOA_X

ClientSampled :

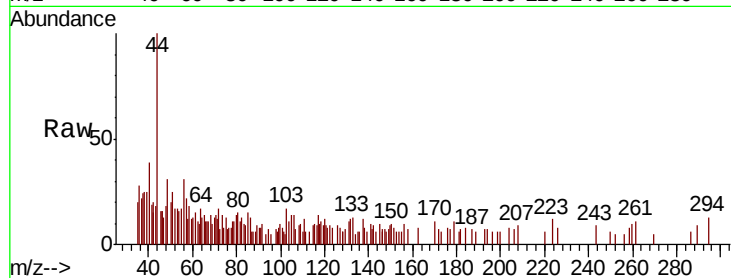
W-2A

Tot Ion: 56 Resp: 186

Ion Ratio Lower Upper

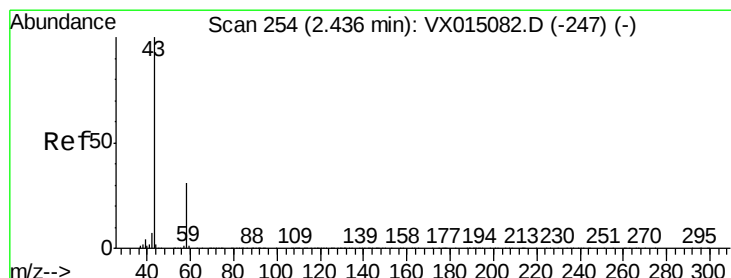
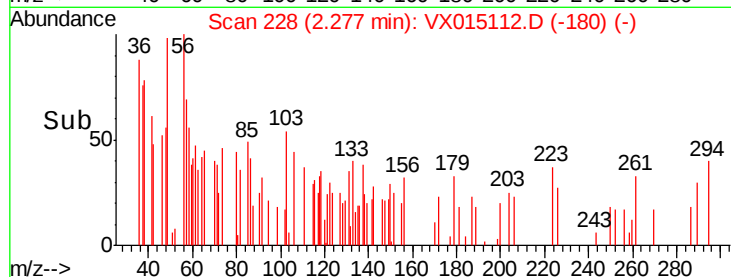
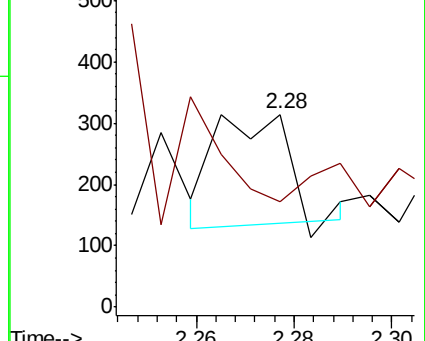
56 100

55 0.0 55.4 83.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 3.856 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX015112.D

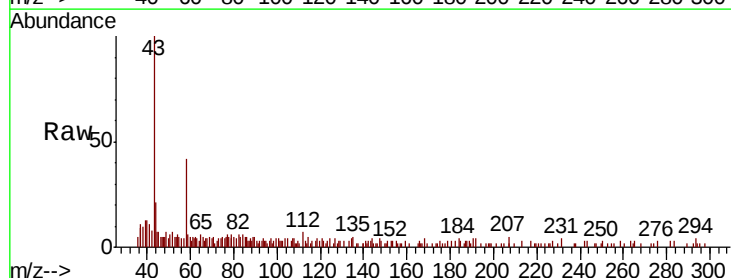
Acq: 05 Mar 2020 16:41

Tgt Ion: 43 Resp: 6639

Ion Ratio Lower Upper

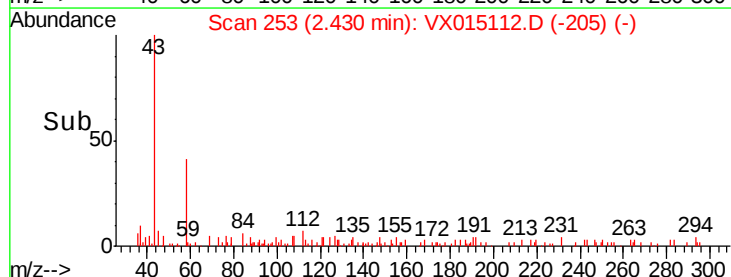
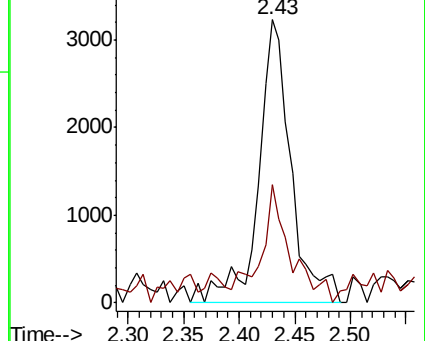
43 100

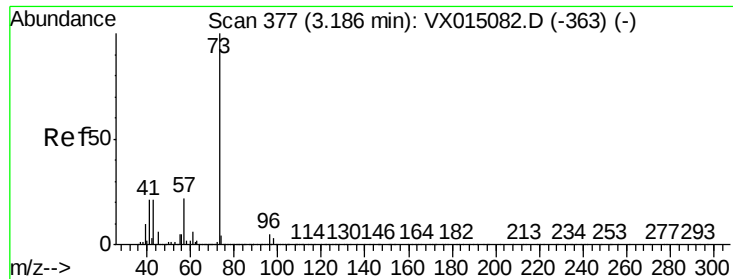
58 32.9 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

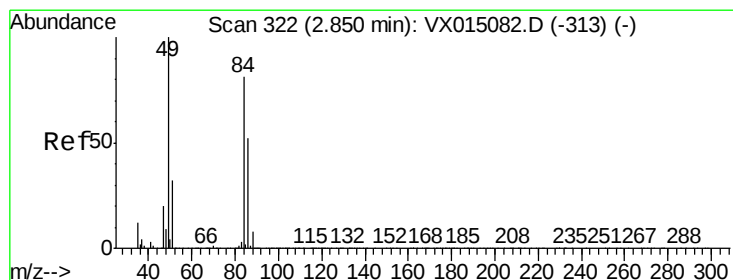
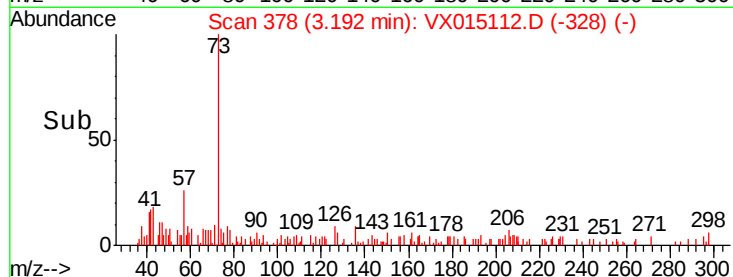
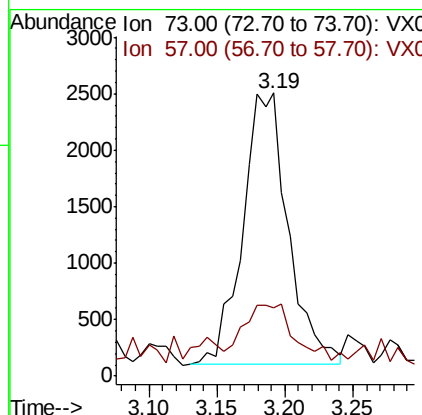
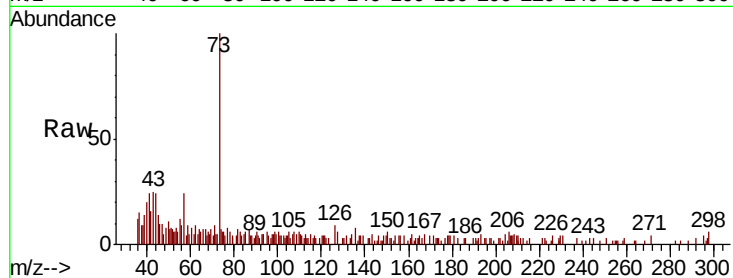




#19
Methyl tert-butyl Ether
Concen: 0.519 ug/l
RT: 3.19 min Scan# 378
Delta R.T. 0.01 min
Lab File: VX015112.D
Acq: 05 Mar 2020 16:41

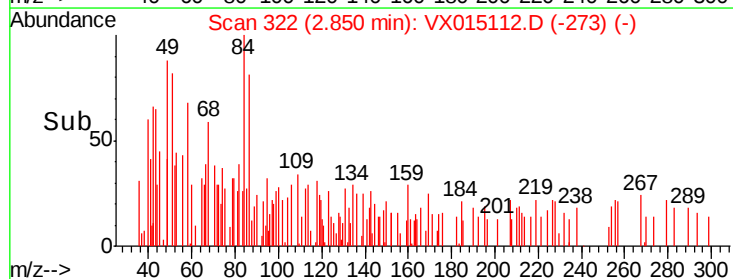
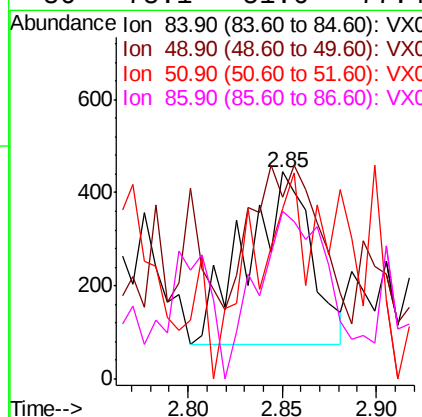
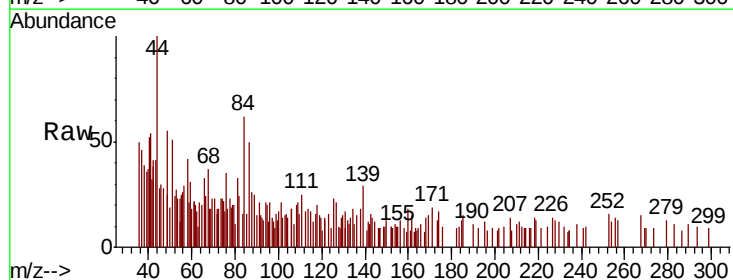
Instrument :
MSVOA_X
ClientSampled :
W-2A

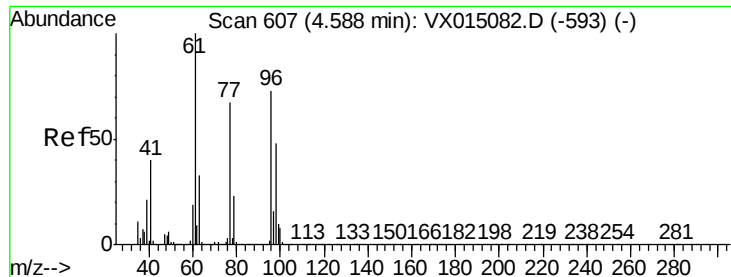
Tot Ion: 73 Resp: 5643
Ion Ratio Lower Upper
73 100
57 16.4 17.8 26.6#



#20
Methylene Chloride
Concen: 0.218 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX015112.D
Acq: 05 Mar 2020 16:41

Tgt Ion: 84 Resp: 880
Ion Ratio Lower Upper
84 100
49 68.2 99.4 149.2#
51 79.1 31.5 47.3#
86 78.1 51.6 77.4#



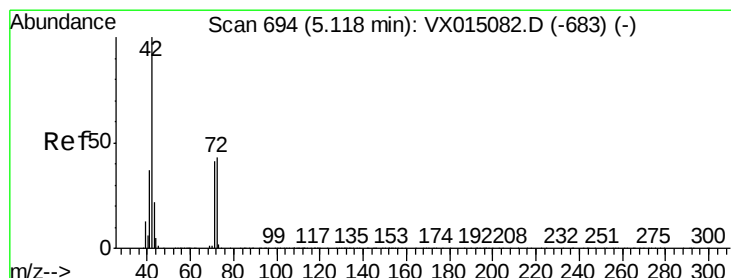
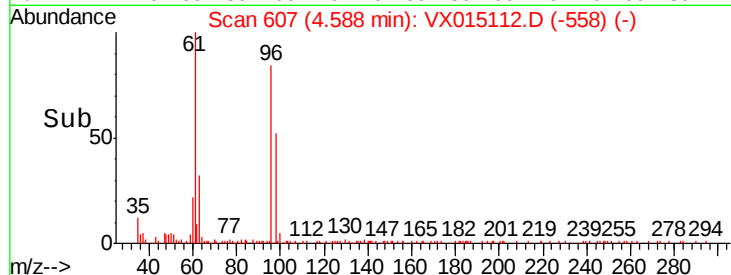
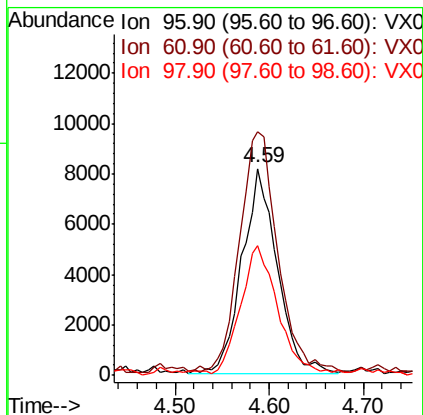
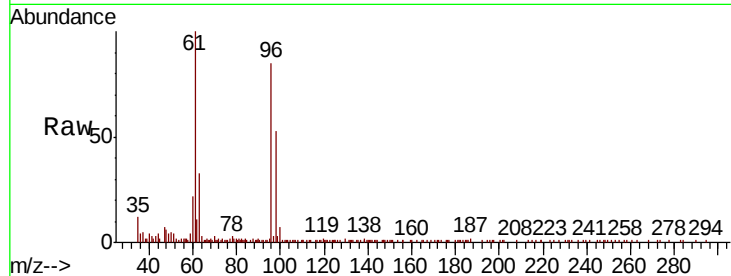


#27

cis-1,2-Dichloroethene
Concen: 5.079 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX015112.D
Acq: 05 Mar 2020 16:41

Instrument :
MSVOA_X
ClientSampled :
W-2A

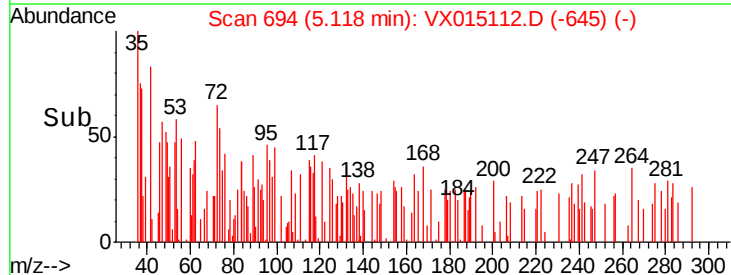
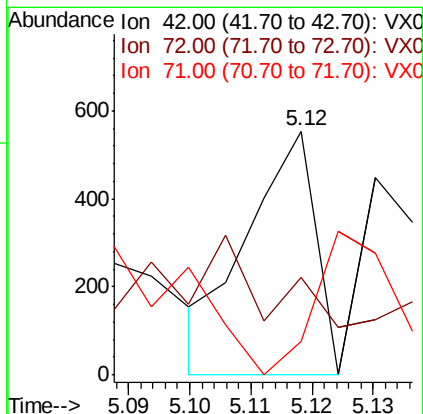
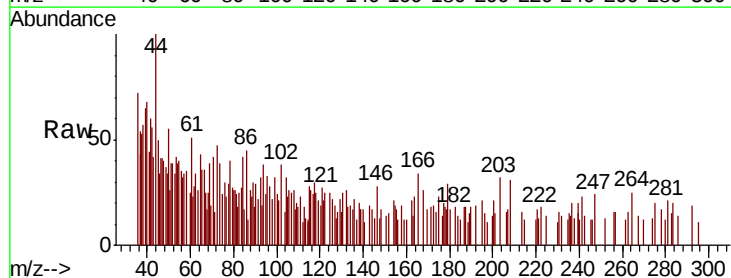
Tot Ion	Ratio	Lower	Upper
96	100		
61	128.0	0.0	286.8
98	65.8	0.0	128.4

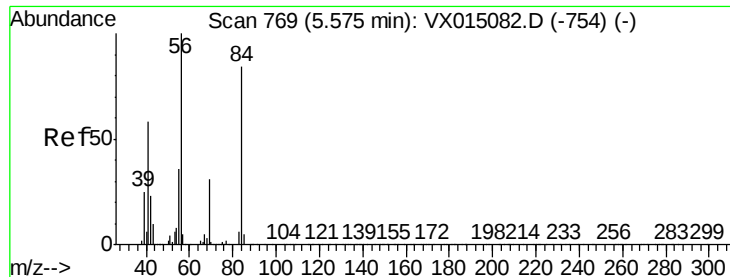


#29

Tetrahydrofuran
Concen: 0.262 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.00 min
Lab File: VX015112.D
Acq: 05 Mar 2020 16:41

Tgt Ion	Ratio	Lower	Upper
42	100		
72	38.5	36.4	54.6
71	86.9	33.3	49.9#

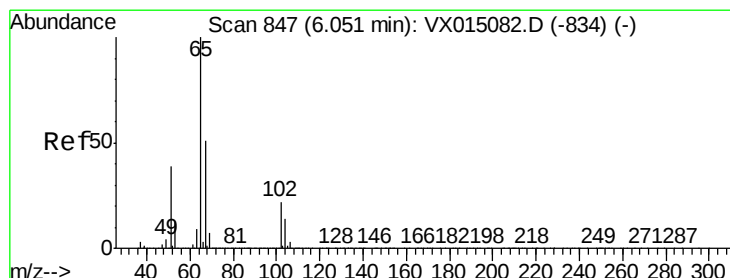
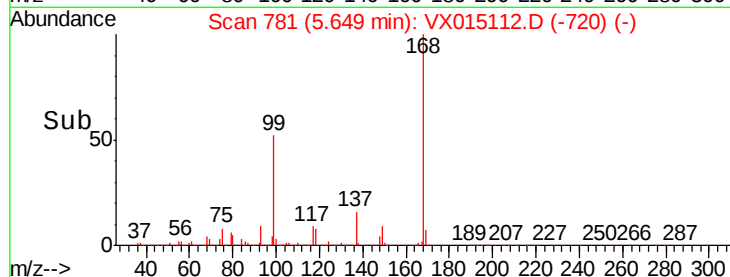
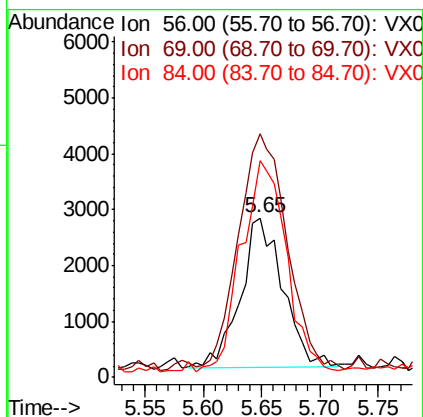
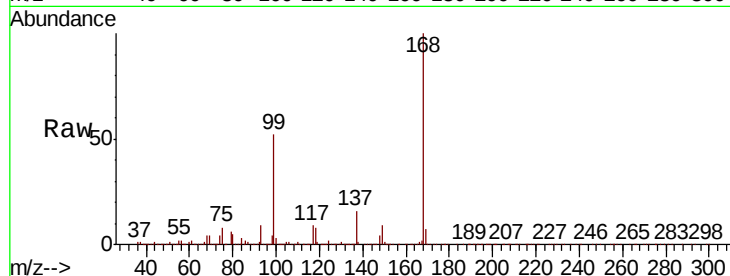




#31
Cvclohexane
Concen: 1.137 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.07 min
Lab File: VX015112.D
Acq: 05 Mar 2020 16:41

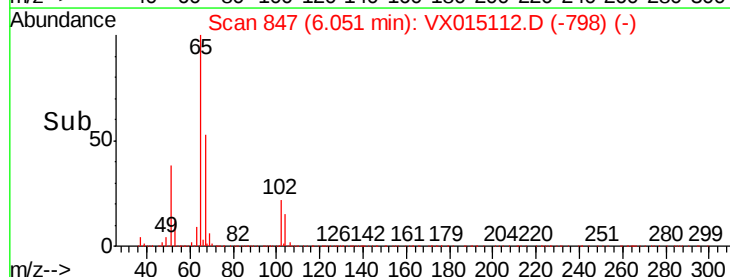
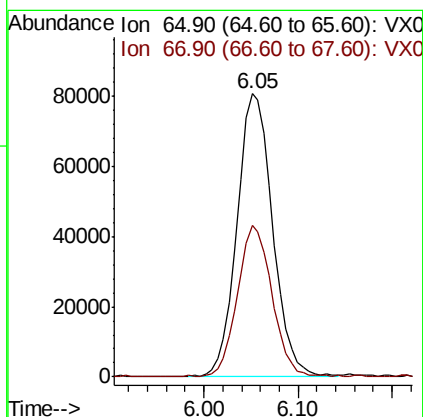
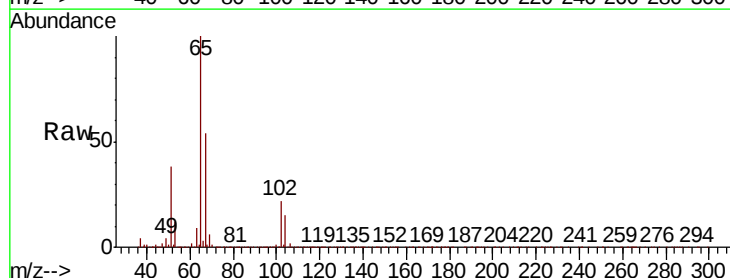
Instrument :
MSVOA_X
ClientSampleId :
W-2A

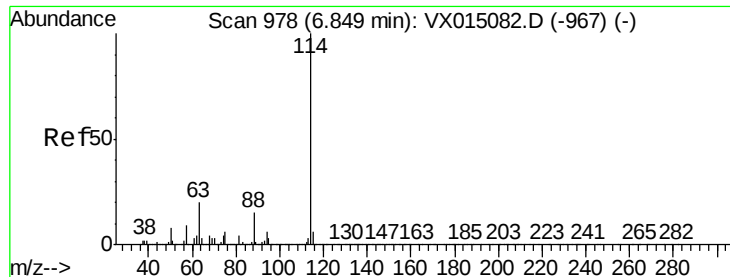
Tot Ion: 56 Resp: 6811
Ion Ratio Lower Upper
56 100
69 154.2 25.0 37.6#
84 141.0 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 49.918 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX015112.D
Acq: 05 Mar 2020 16:41

Tgt Ion: 65 Resp: 212205
Ion Ratio Lower Upper
65 100
67 51.9 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: VX015112.D

Acq: 05 Mar 2020 16:41

Instrument :

MSVOA_X

ClientSampleId :

W-2A

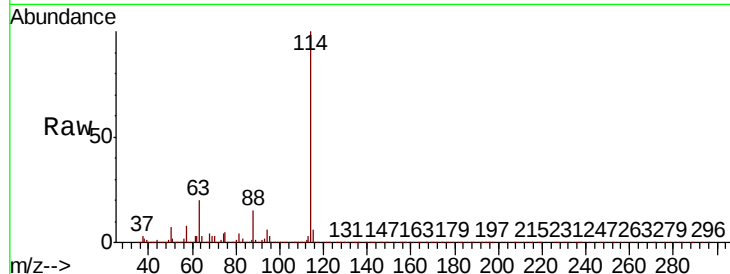
Tot Ion:114 Resp: 579021

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

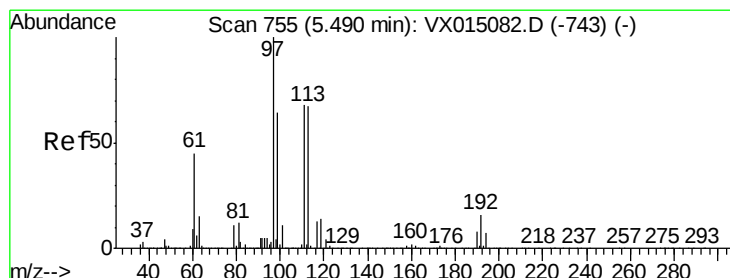
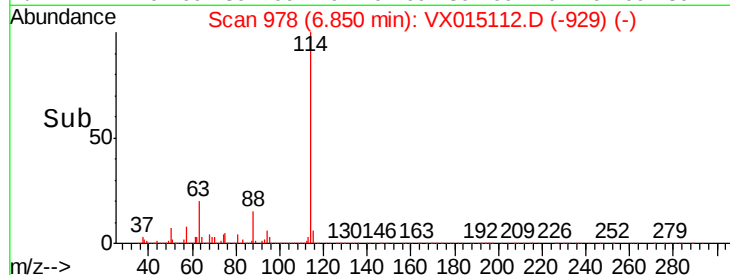
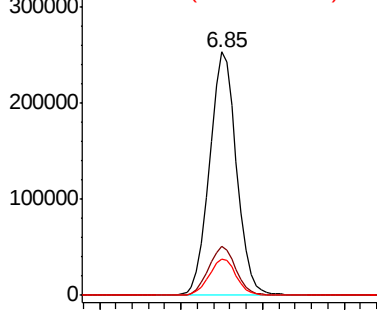
88 15.1 0.0 30.6



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: 49.128 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX015112.D

Acq: 05 Mar 2020 16:41

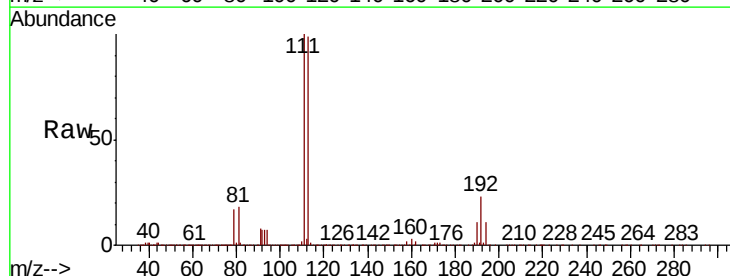
Tgt Ion:113 Resp: 179457

Ion Ratio Lower Upper

113 100

111 100.9 82.6 123.8

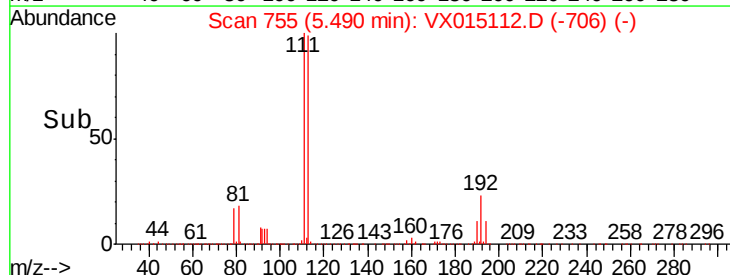
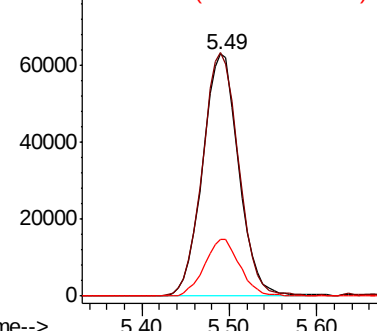
192 23.2 18.6 28.0

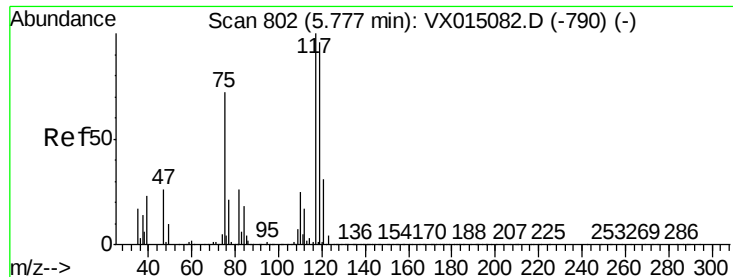


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 6.361 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX015112.D

Acq: 05 Mar 2020 16:41

Instrument :

MSVOA_X

ClientSampleId :

W-2A

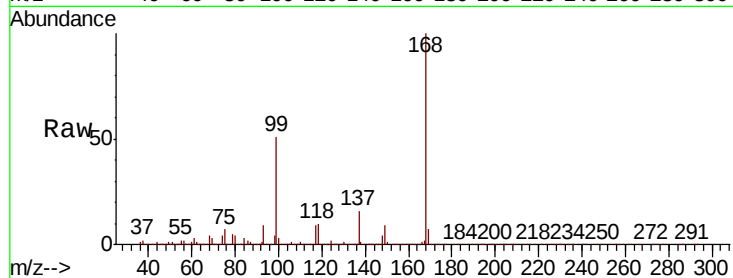
Tot Ion:117 Resp: 32138

Ion Ratio Lower Upper

117 100

119 3.6 76.9 115.3#

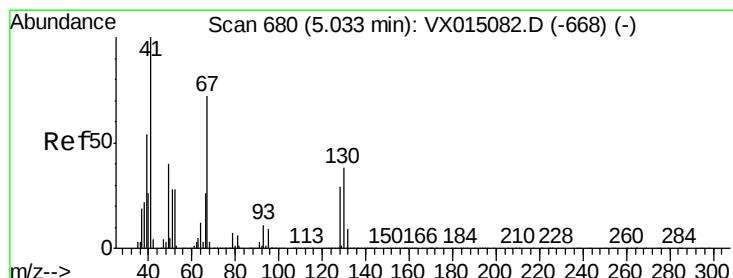
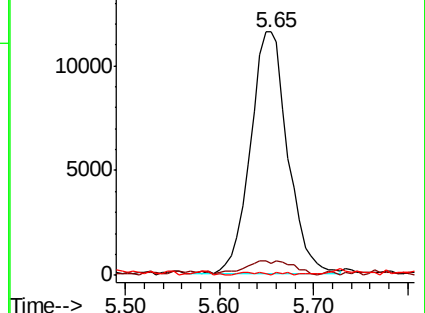
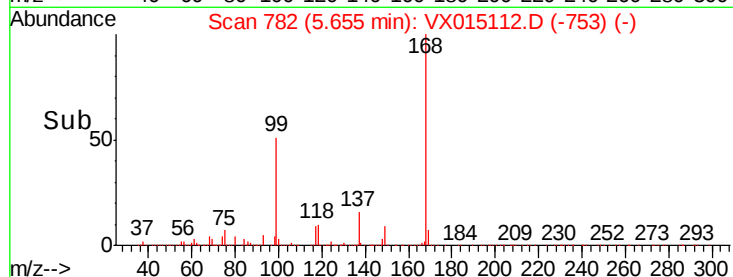
121 0.0 24.6 37.0#



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



#41

Methacrylonitrile

Concen: 0.287 ug/l

RT: 5.04 min Scan# 682

Delta R.T. 0.01 min

Lab File: VX015112.D

Acq: 05 Mar 2020 16:41

Tgt Ion: 41 Resp: 855

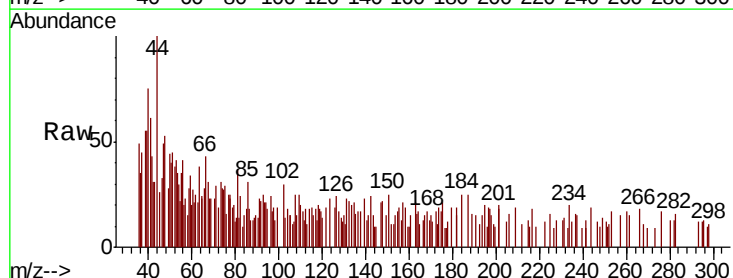
Ion Ratio Lower Upper

41 100

39 0.0 43.9 65.9#

67 0.0 57.8 86.8#

52 49.5 22.6 34.0#

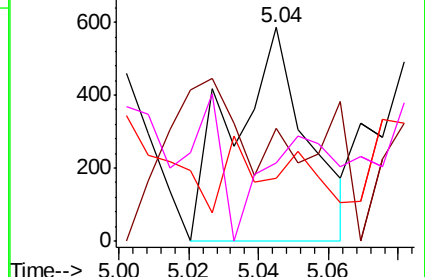
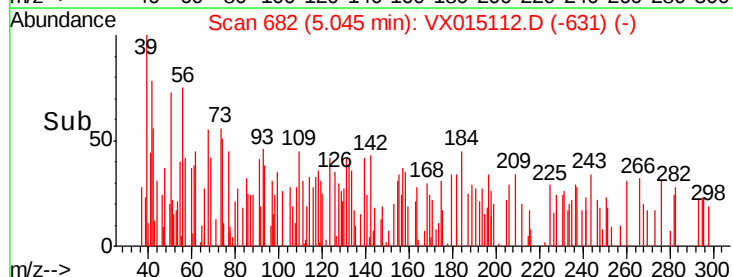


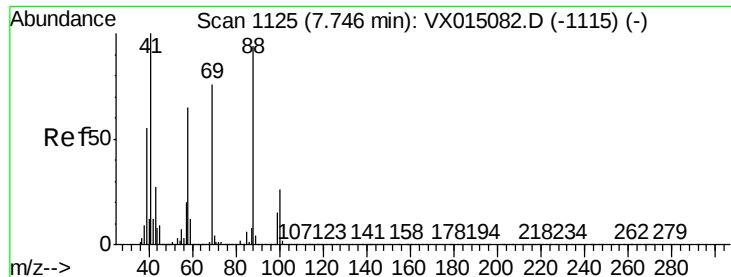
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

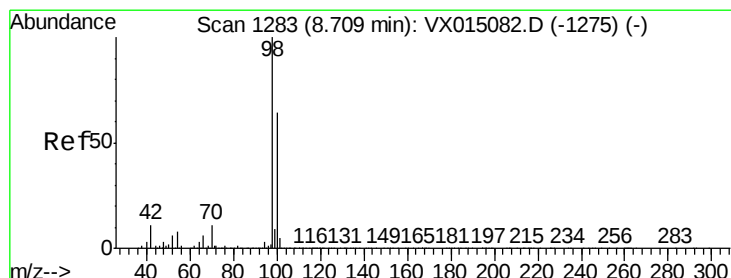
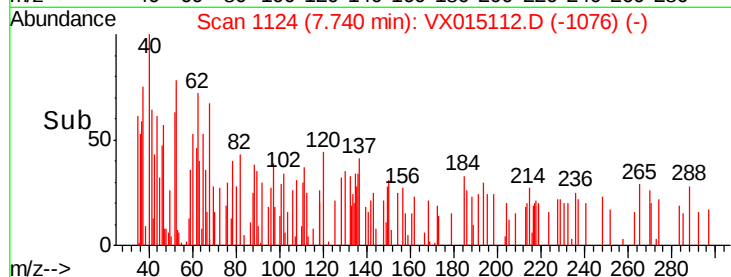
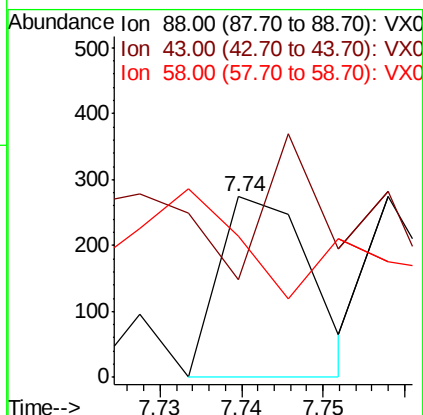
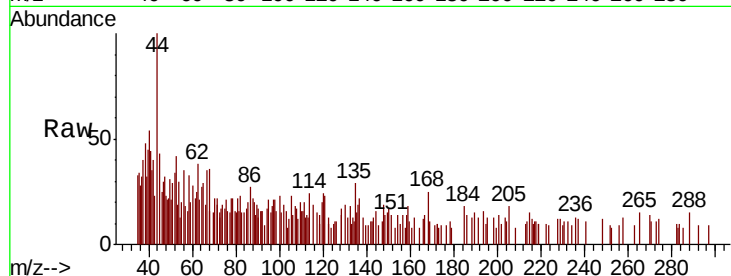




#49
1,4-Dioxane
Concen: 2.226 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. -0.01 min
Lab File: VX015112.D
Acq: 05 Mar 2020 16:41

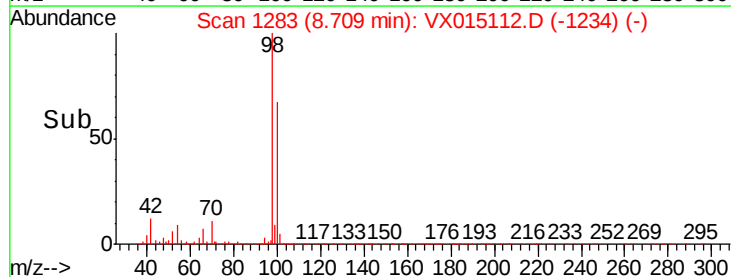
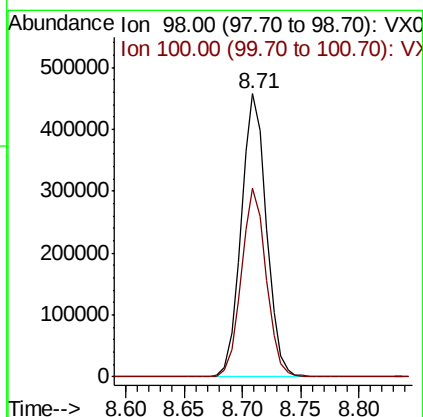
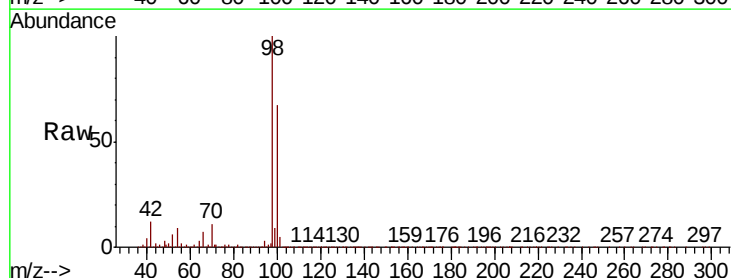
Instrument :
MSVOA_X
ClientSampled :
W-2A

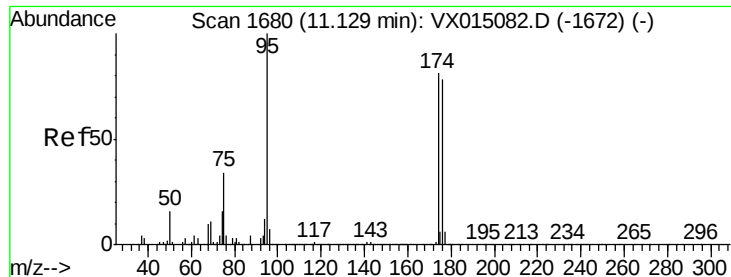
Tot Ion: 88 Resp: 214
Ion Ratio Lower Upper
88 100
43 135.5 27.0 40.4#
58 71.5 55.6 83.4



#50
Toluene-d8
Concen: 49.872 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX015112.D
Acq: 05 Mar 2020 16:41

Tgt Ion: 98 Resp: 692971
Ion Ratio Lower Upper
98 100
100 65.7 52.4 78.6

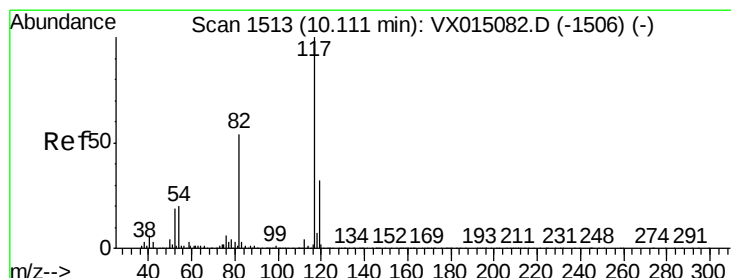
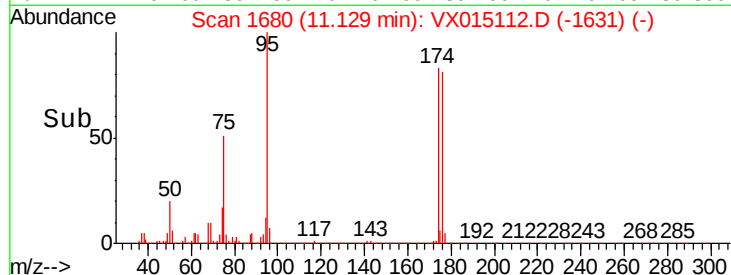
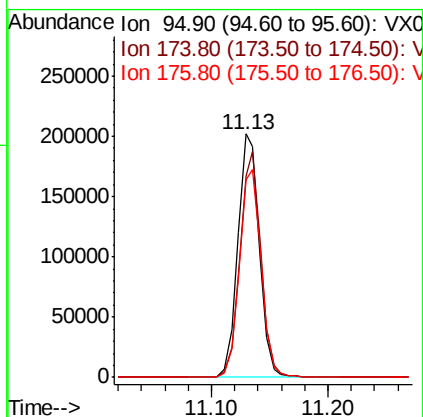
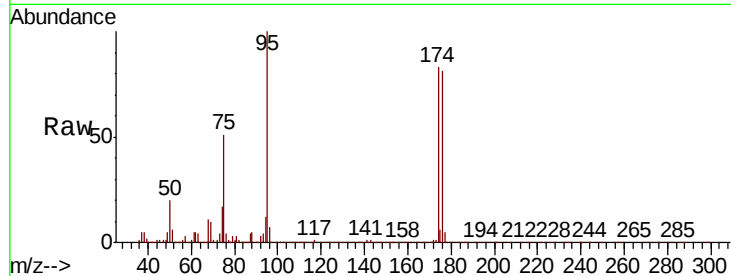




#62
4-Bromofluorobenzene
Concen: 52.269 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX015112.D
Acq: 05 Mar 2020 16:41

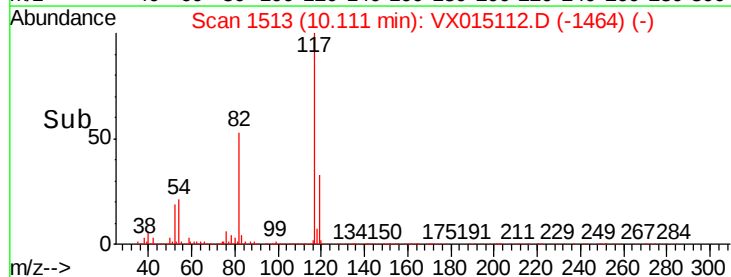
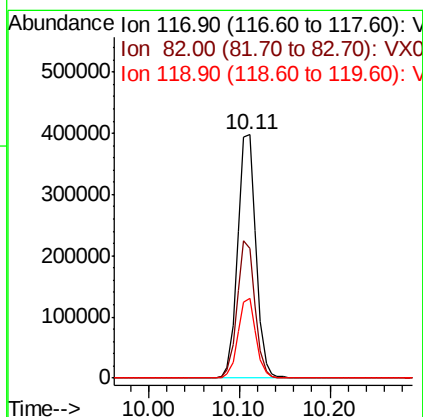
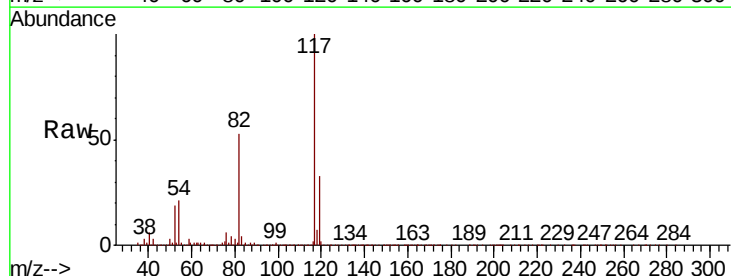
Instrument :
MSVOA_X
ClientSampleId :
W-2A

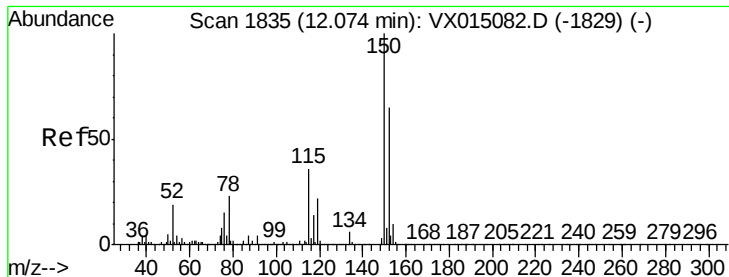
Tot Ion	Ratio	Lower	Upper
95	100		
174	90.6	0.0	177.6
176	86.4	0.0	170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX015112.D
Acq: 05 Mar 2020 16:41

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.3	43.3	64.9
119	32.6	25.8	38.8



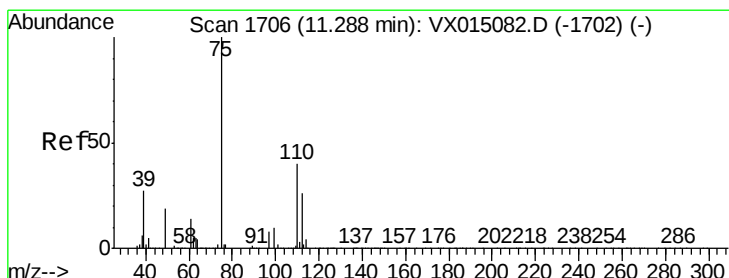
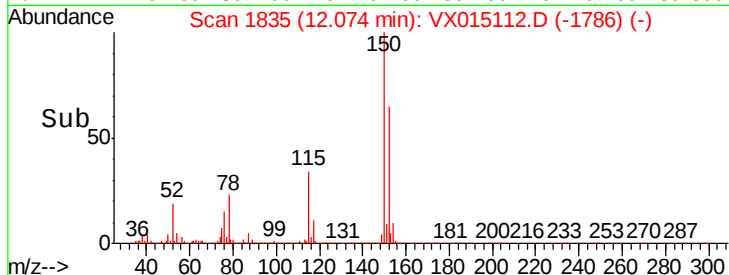
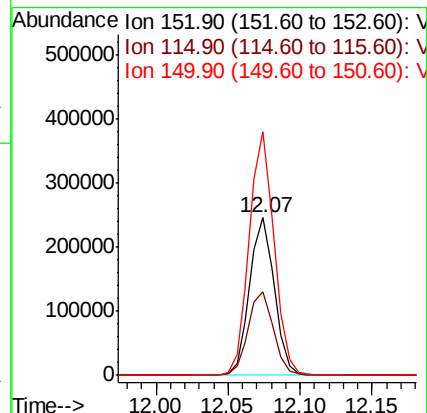
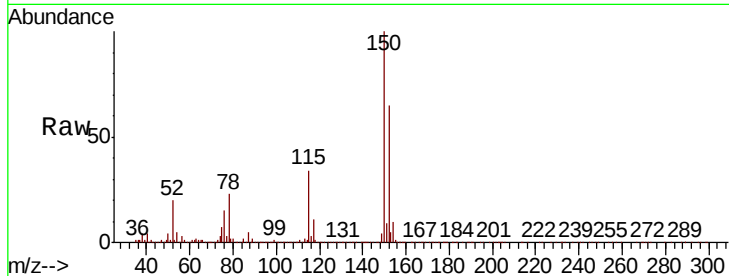


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX015112.D
Acq: 05 Mar 2020 16:41

Instrument :
MSVOA_X
ClientSampleId :
W-2A

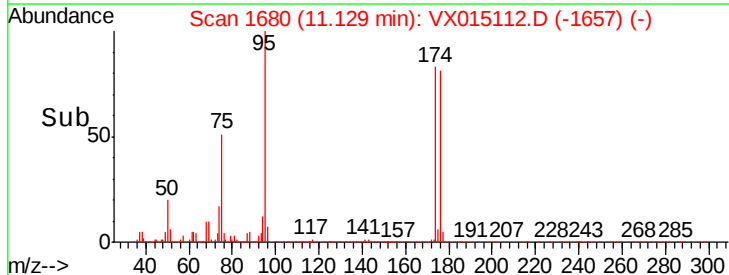
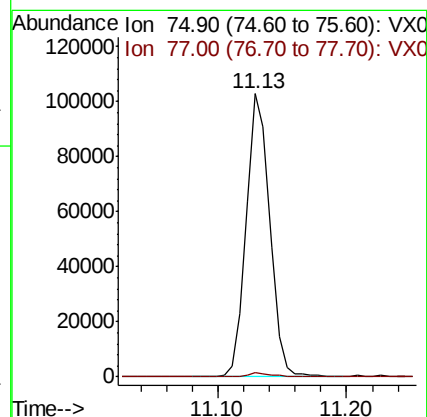
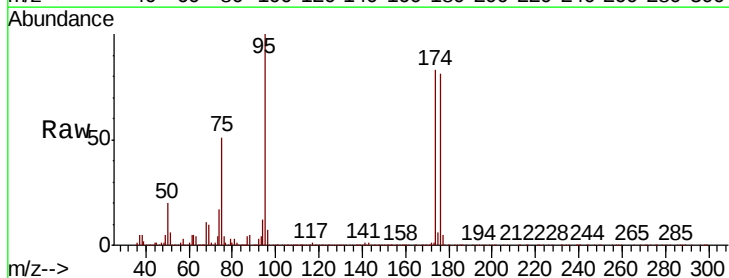
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.0	38.2	114.6
150	154.7	0.0	343.8

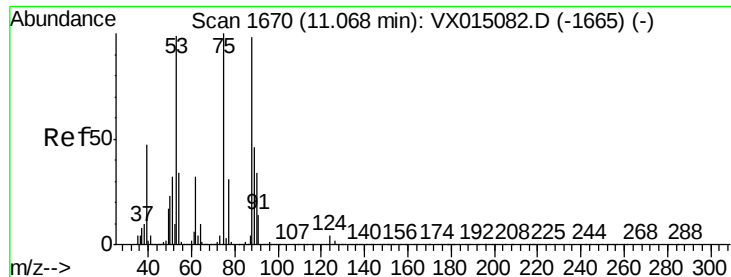


#76

1,2,3-Trichloropropane
Concen: 22.153 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX015112.D
Acq: 05 Mar 2020 16:41

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.7	22.6	67.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 62.872 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015112.D

Acq: 05 Mar 2020 16:41

Instrument :

MSVOA_X

ClientSampled :

W-2A

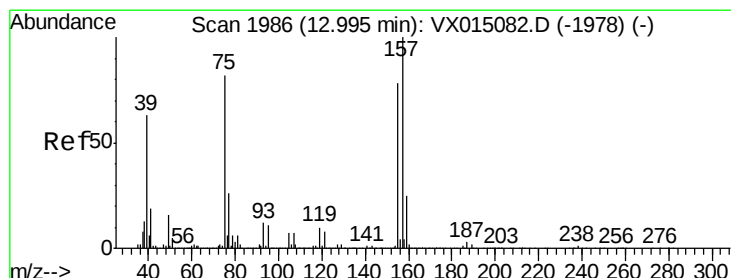
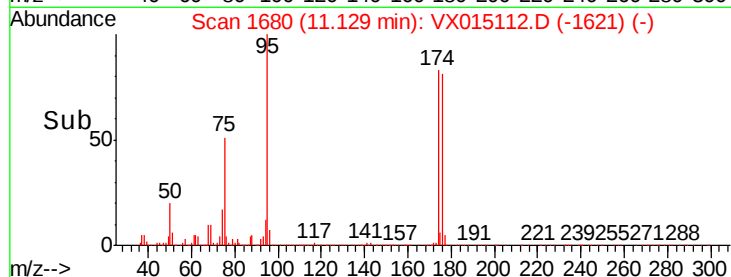
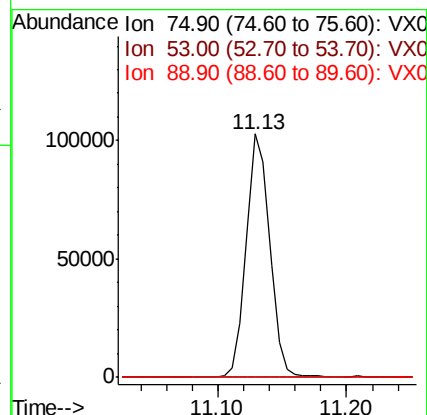
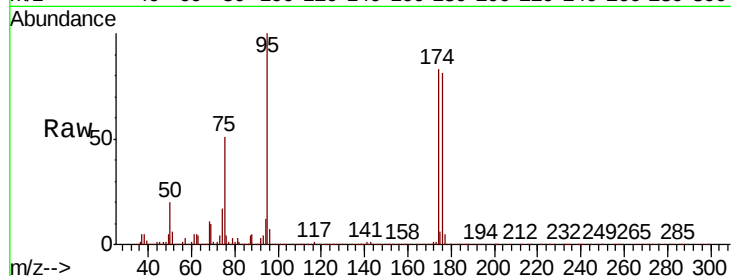
Tot Ion: 75 Resp: 128992

Ion Ratio Lower Upper

75 100

53 0.2 77.9 116.9#

89 0.1 36.2 54.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.226 ug/l

RT: 12.99 min Scan# 1985

Delta R.T. -0.01 min

Lab File: VX015112.D

Acq: 05 Mar 2020 16:41

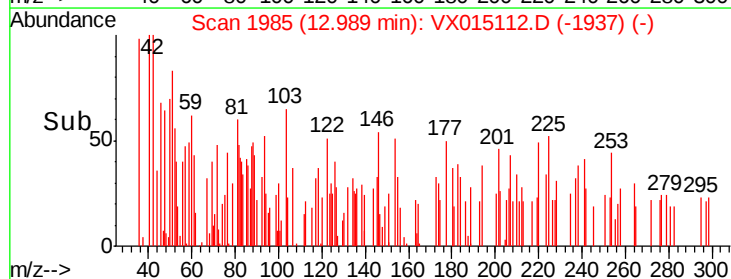
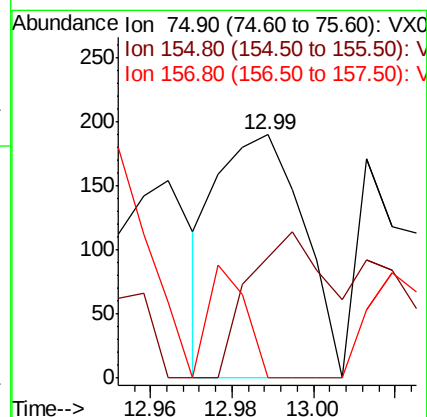
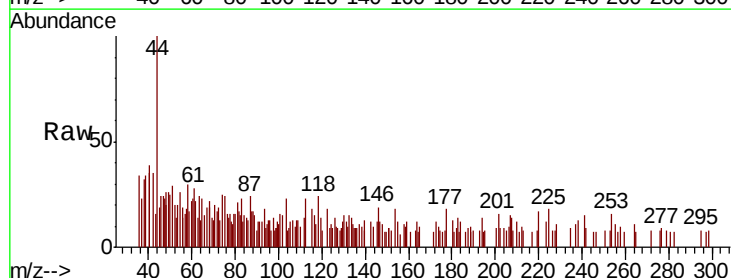
Tgt Ion: 75 Resp: 281

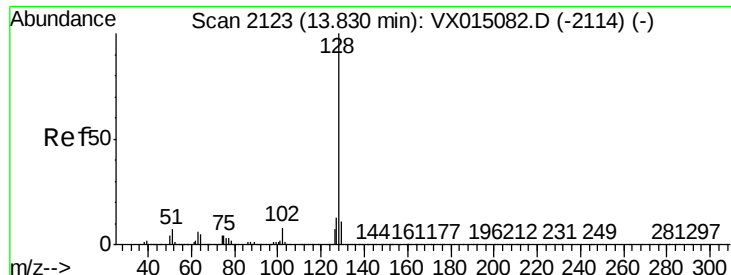
Ion Ratio Lower Upper

75 100

155 55.5 46.6 139.7

157 19.9 59.2 177.5#





#95
Naphthalene
Concen: 1.441 ug/l
RT: 13.84 min Scan# 2124
Delta R.T. 0.01 min
Lab File: VX015112.D
Acq: 05 Mar 2020 16:41

Instrument :
MSVOA_X
ClientSampleId :
W-2A

Tot Ion:128 Resp: 417
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 83.0 8.6 13.0#

