

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032519\
 Data File : VX008440.D
 Acq On : 26 Mar 2019 03:12
 Operator : JC/SP
 Sample : K2059-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

Quant Time: Mar 26 06:09:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 04:58:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	231881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	391159	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	334627	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	143127	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	162804	46.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.62%	
35) Dibromofluoromethane	5.49	113	120362	47.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.38%	
50) Toluene-d8	8.71	98	495155	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
62) 4-Bromofluorobenzene	11.13	95	176392	46.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.34%	

Target Compounds

						Qvalue
3) Chloromethane	1.30	50	4016	0.526	ug/l #	60
5) Bromomethane	1.64	94	319	1.961	ug/l	85
6) Chloroethane	1.88	64	1071	0.474	ug/l #	55
10) Methyl Iodide	2.52	142	25	4.138	ug/l #	46
11) Tert butyl alcohol	3.04	59	991	1.272	ug/l #	72
13) Acrolein	2.26	56	9565	16.911	ug/l #	1
14) Allyl chloride	2.78	41	12668	2.131	ug/l #	28
15) Acrylonitrile	3.17	53	31440	15.394	ug/l #	38
16) Acetone	2.44	43	15282	8.318	ug/l	95
18) Methyl Acetate	2.84	43	469945	106.497	ug/l #	55
19) Methyl tert-butyl Ether	3.20	73	6275	0.645	ug/l #	1
20) Methylene Chloride	2.78	84	3893	0.667	ug/l #	8
21) trans-1,2-Dichloroethene	3.00	96	89	Below Cal	#	33
23) Vinyl Acetate	3.82	43	8915	0.873	ug/l #	83
24) 1,1-Dichloroethane	3.82	63	3022	0.512	ug/l #	84
25) 2-Butanone	4.68	43	12957	4.399	ug/l	100
30) Chloroform	5.27	83	41233	7.733	ug/l #	30
31) Cyclohexane	5.58	56	333745	59.230	ug/l #	95
36) 1,1-Dichloropropene	5.66	75	19510	4.678	ug/l #	51
37) Ethyl Acetate	4.90	43	3320	0.614	ug/l #	1
38) Carbon Tetrachloride	5.67	117	23295	6.693	ug/l #	15
39) Methylcyclohexane	7.46	83	324018	65.009	ug/l	95
40) Benzene	6.14	78	36497	2.923	ug/l	99
41) Methacrylonitrile	5.07	41	7778	2.562	ug/l #	47
43) Isopropyl Acetate	6.46	43	19948	2.308	ug/l #	66
45) 1,2-Dichloropropane	7.46	63	4407	1.242	ug/l #	1
46) Dibromomethane	7.65	93	936	0.452	ug/l #	1
47) Bromodichloromethane	7.84	83	5272	1.329	ug/l #	74
48) Methyl methacrylate	7.73	41	54090	12.509	ug/l #	54
49) 1,4-Dioxane	7.87	88	21	0.244	ug/l #	19
51) 4-Methyl-2-Pentanone	8.66	43	5705	1.016	ug/l #	58
52) Toluene	8.79	92	15151	2.029	ug/l	94
55) 1,1,2-Trichloroethane	9.16	97	50190	16.515	ug/l #	18
56) Ethyl methacrylate	9.16	69	14487	2.641	ug/l #	32

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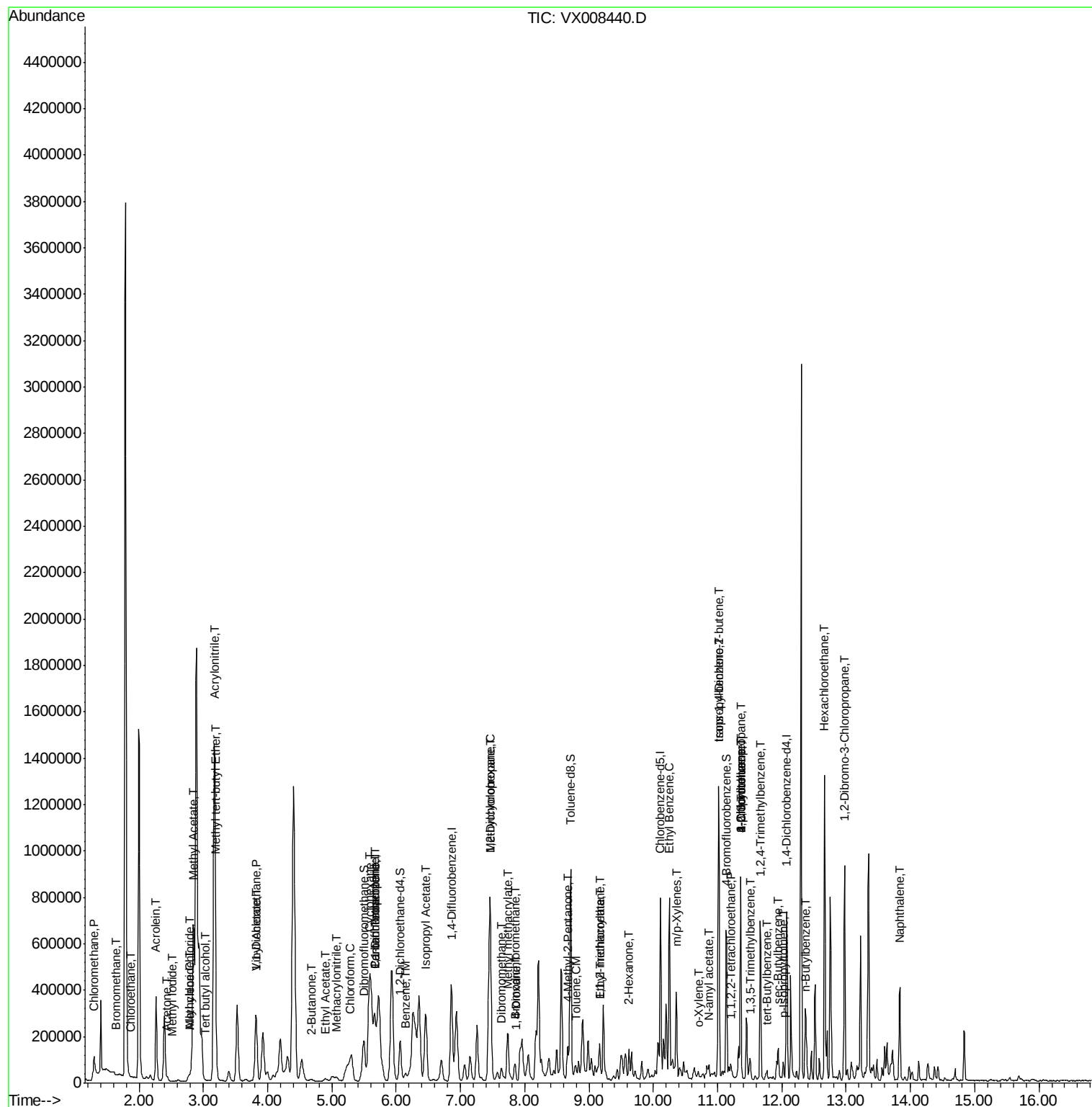
59) 2-Hexanone	9.62	43	12592	2.895	ug/l	96
67) Ethyl Benzene	10.25	91	434508	31.637	ug/l	100
68) m/p-Xylenes	10.36	106	79212	15.854	ug/l	99
69) o-Xylene	10.69	106	3200	0.660	ug/l	97
73) Isopropylbenzene	11.02	105	614120	52.741	ug/l	99
74) N-amyl acetate	10.87	43	8679	1.288	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.21	83	1784	0.395	ug/l #	52
76) 1,2,3-Trichloropropane	11.36	75	3068	0.721	ug/l #	1
78) n-propylbenzene	11.36	91	492821	36.130	ug/l	100
79) 2-Chlorotoluene	11.36	91	492821	59.401	ug/l #	43
80) 1,3,5-Trimethylbenzene	11.51	105	31558	3.206	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.02	75	7650	5.758	ug/l #	60
82) 4-Chlorotoluene	11.36	91	492821	51.496	ug/l #	47
83) tert-Butylbenzene	11.77	119	13267	1.397	ug/l	93
84) 1,2,4-Trimethylbenzene	11.66	105	315957	31.733	ug/l	79
85) sec-Butylbenzene	11.94	105	47101	4.164	ug/l	98
86) p-Isopropyltoluene	12.02	119	28772	2.883	ug/l	98
89) n-Butylbenzene	12.38	91	81773	8.649	ug/l #	66
90) Hexachloroethane	12.66	117	52825	31.772	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	12.97	75	3032	3.078	ug/l #	4
95) Naphthalene	13.83	128	238621	20.445	ug/l	99

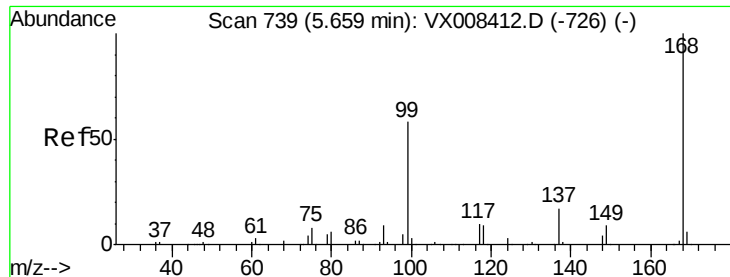
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

Instrument :

MSVOA_X

ClientSampleId :

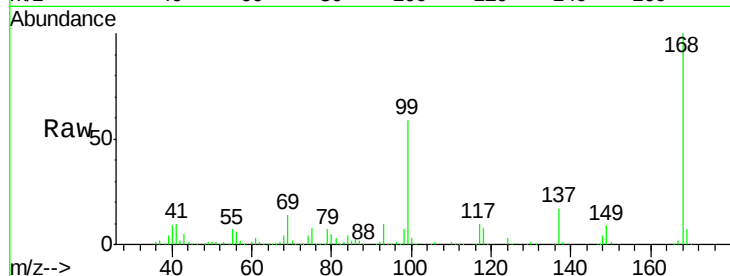
MW-2

Tot Ion:168 Resp: 231881

Ion Ratio Lower Upper

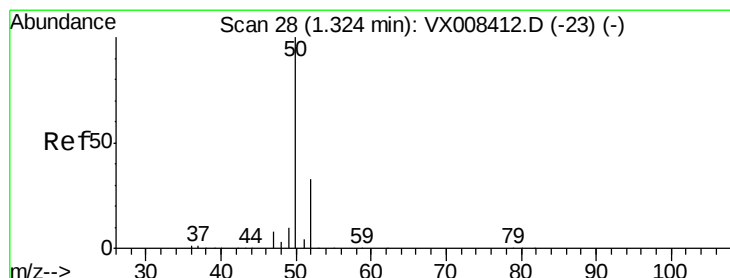
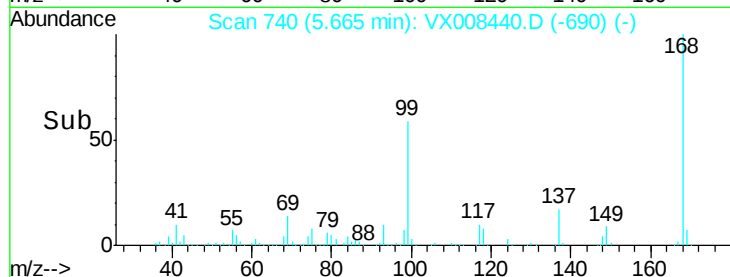
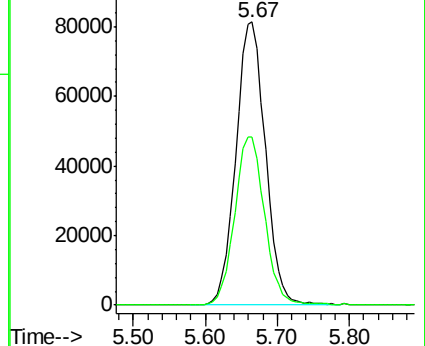
168 100

99 59.4 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.526 ug/l

RT: 1.30 min Scan# 24

Delta R.T. -0.02 min

Lab File: VX008440.D

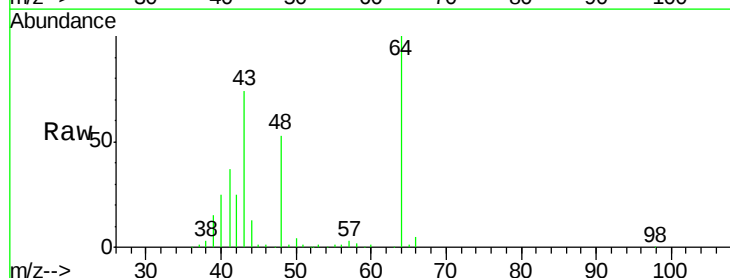
Acq: 26 Mar 2019 03:12

Tgt Ion: 50 Resp: 4016

Ion Ratio Lower Upper

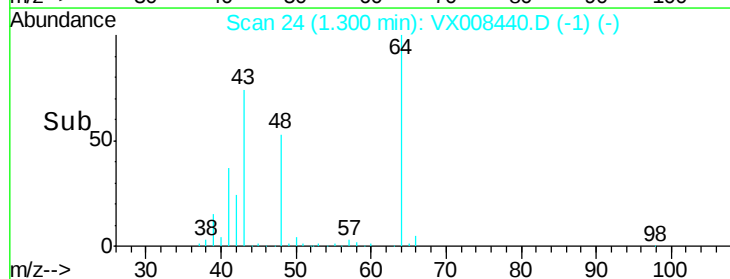
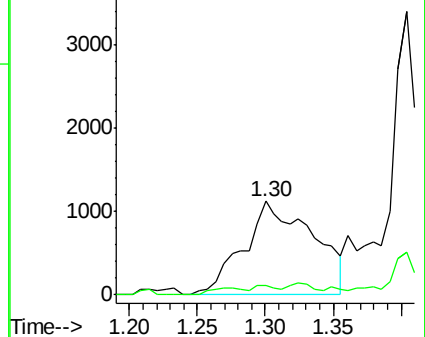
50 100

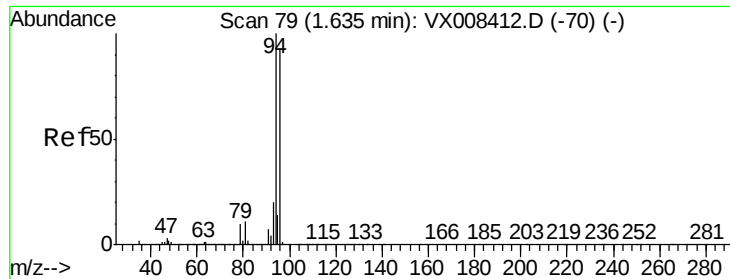
52 10.5 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 1.961 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

Instrument :

MSVOA_X

ClientSampled :

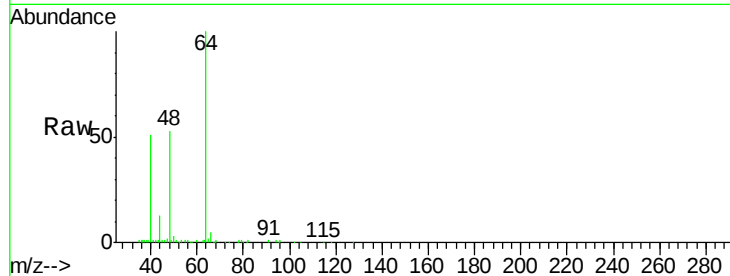
MW-2

Tot Ion: 94 Resp: 319

Ion Ratio Lower Upper

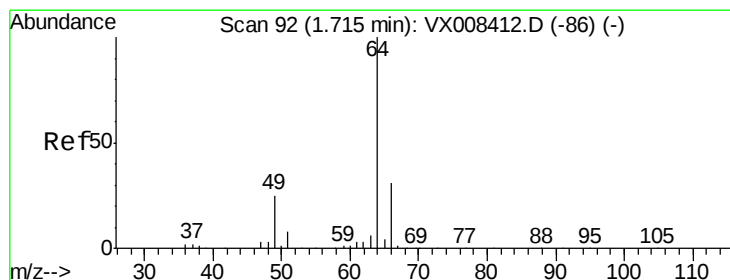
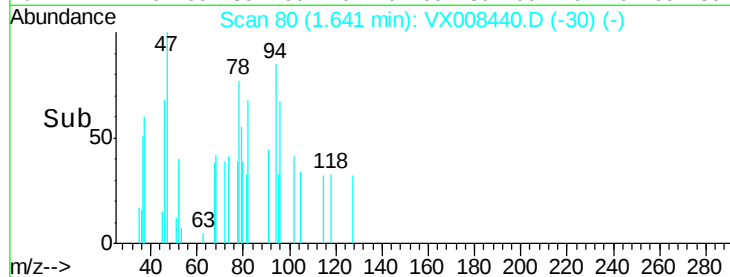
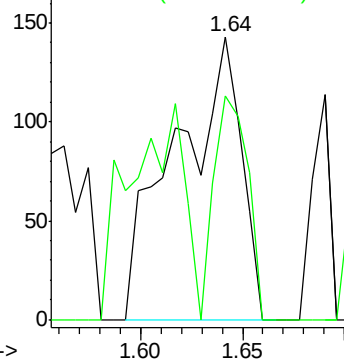
94 100

96 79.0 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.474 ug/l

RT: 1.88 min Scan# 119

Delta R.T. 0.16 min

Lab File: VX008440.D

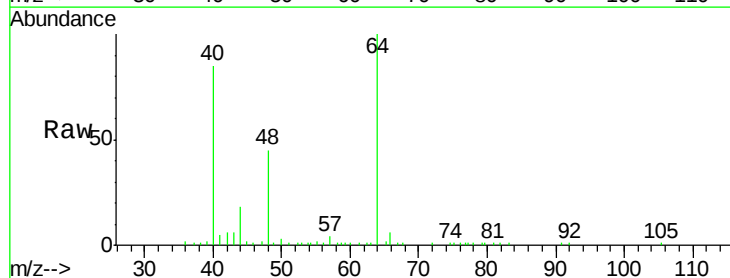
Acq: 26 Mar 2019 03:12

Tgt Ion: 64 Resp: 1071

Ion Ratio Lower Upper

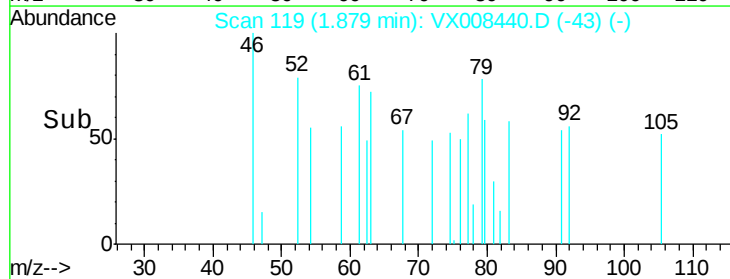
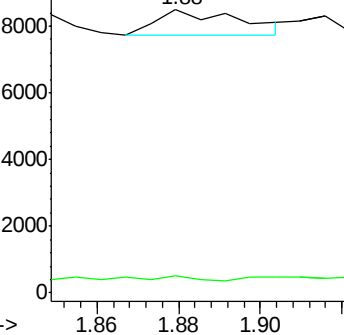
64 100

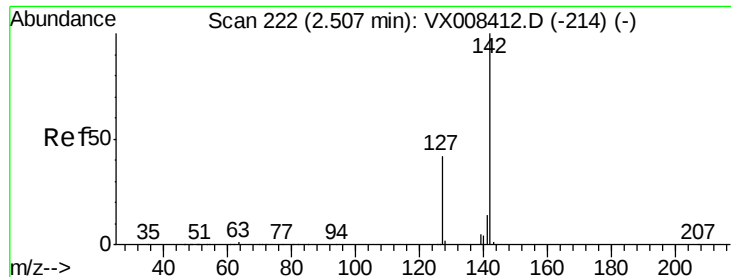
66 6.6 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

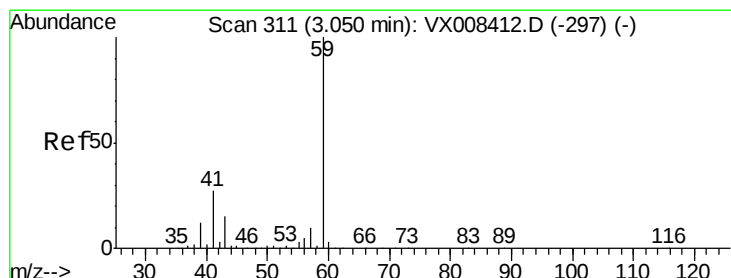
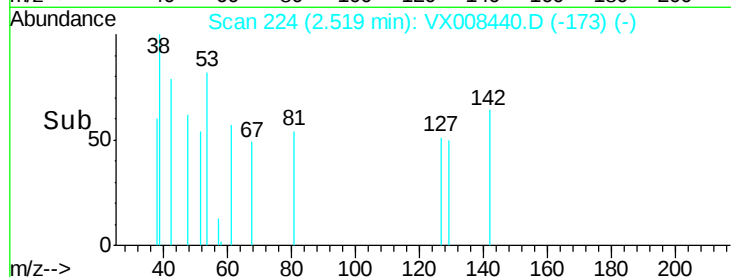
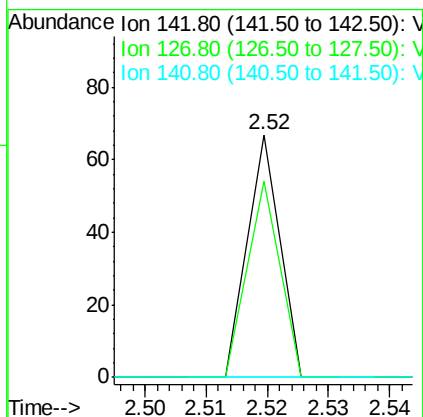
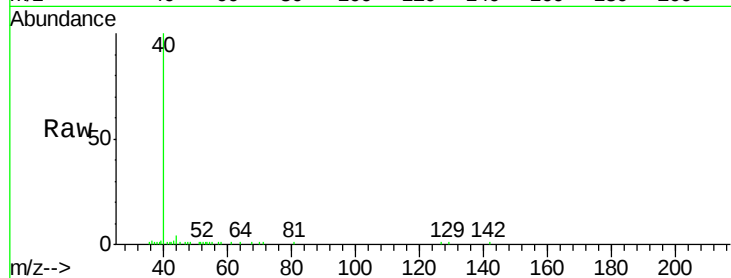




#10
Methvl Iodide
Concen: 4.138 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX008440.D
Acq: 26 Mar 2019 03:12

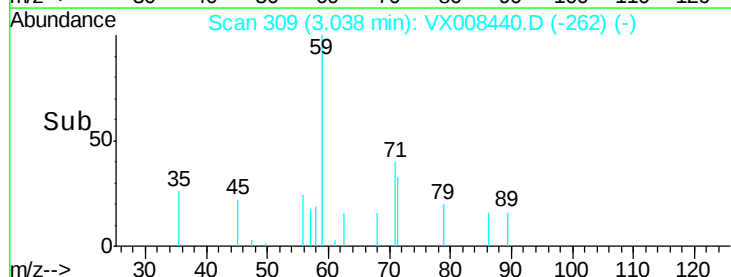
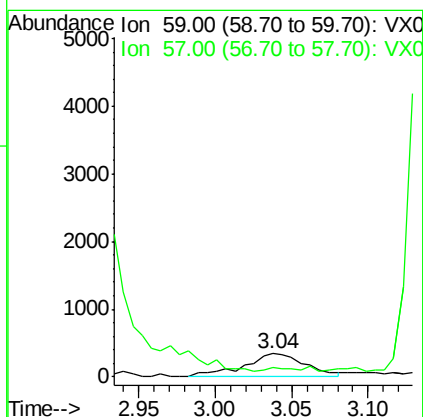
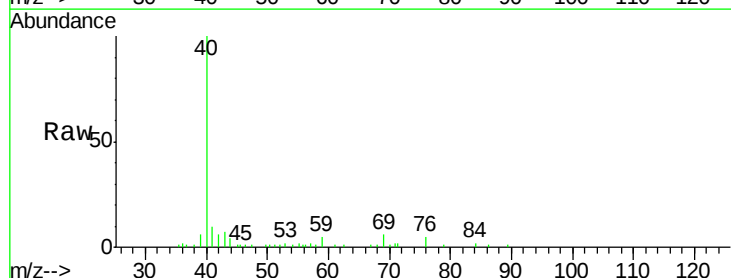
Instrument :
MSVOA_X
ClientSampled :
MW-2

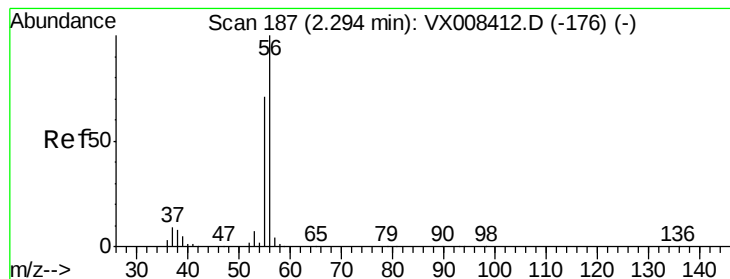
Tot Ion:142 Resp: 25
Ion Ratio Lower Upper
142 100
127 80.0 33.6 50.4#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 1.272 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX008440.D
Acq: 26 Mar 2019 03:12

Tgt Ion: 59 Resp: 991
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#13

Acrolein

Concen: 16.911 ug/l

RT: 2.26 min Scan# 182

Delta R.T. -0.03 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

Instrument :

MSVOA_X

ClientSampled :

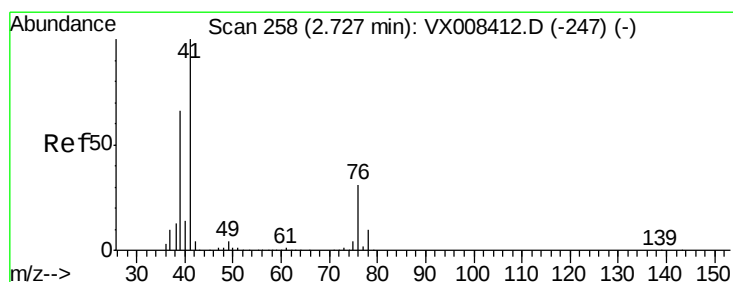
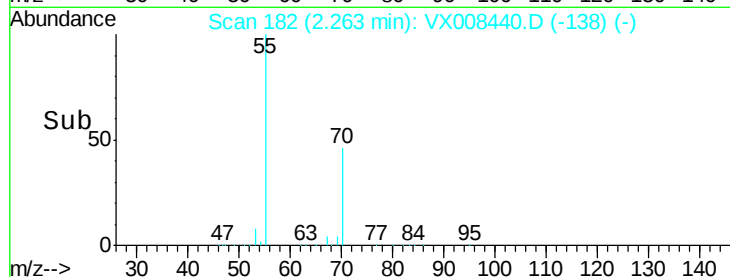
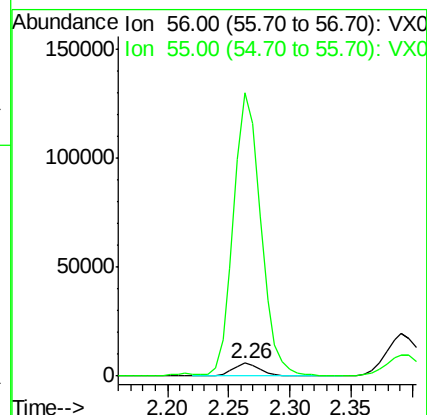
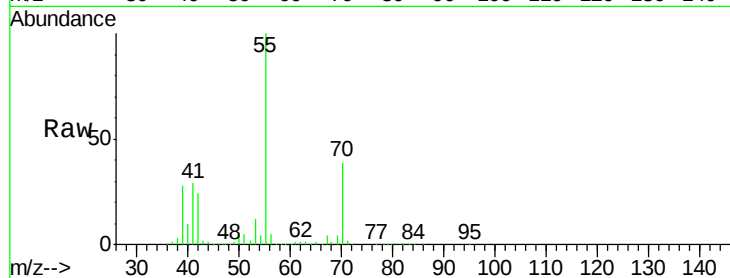
MW-2

Tot Ion: 56 Resp: 9565

Ion Ratio Lower Upper

56 100

55 2098.5 56.5 84.7#



#14

Allyl chloride

Concen: 2.131 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.05 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

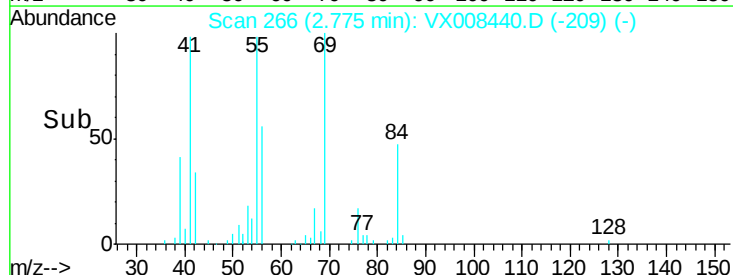
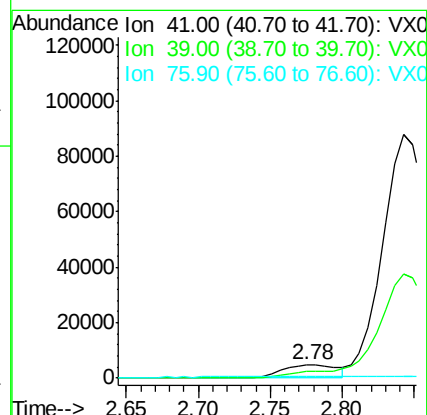
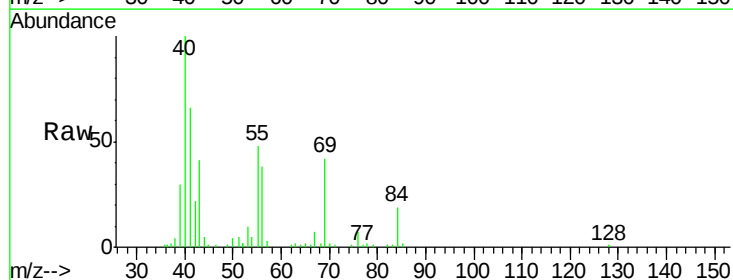
Tgt Ion: 41 Resp: 12668

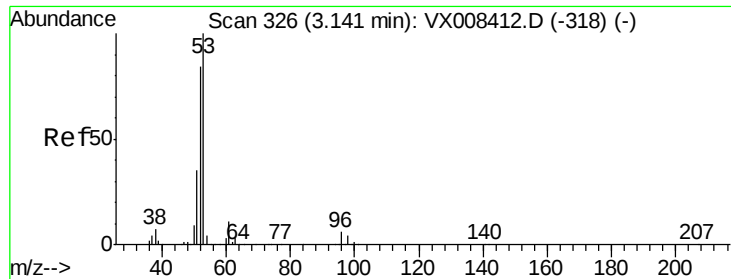
Ion Ratio Lower Upper

41 100

39 0.0 49.6 74.4#

76 0.0 22.6 34.0#





#15

Acrylonitrile

Concen: 15.394 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.03 min

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ClientSampled :

MW-2

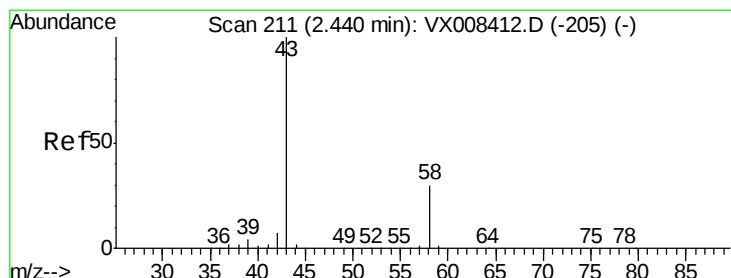
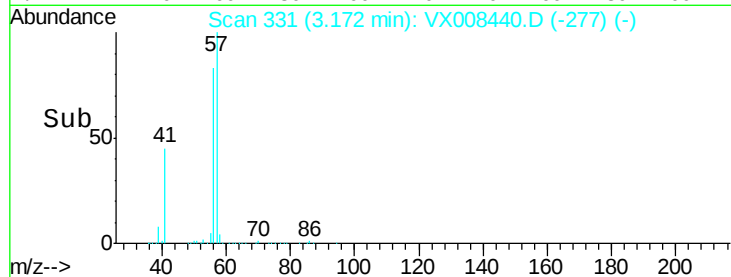
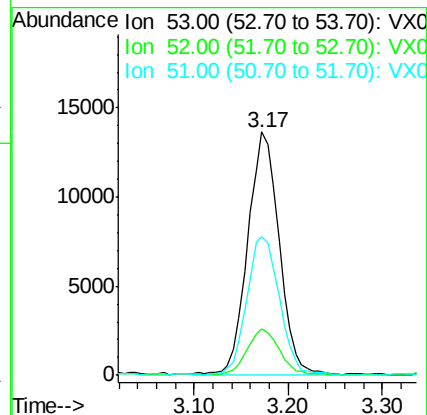
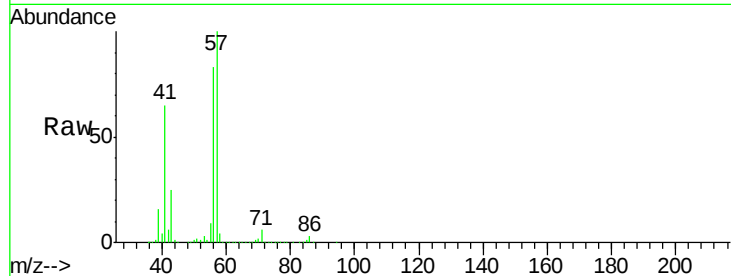
Tot Ion: 53 Resp: 31440

Ion Ratio Lower Upper

53 100

52 20.2 66.5 99.7#

51 60.5 28.3 42.5#



#16

Acetone

Concen: 8.318 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX008440.D

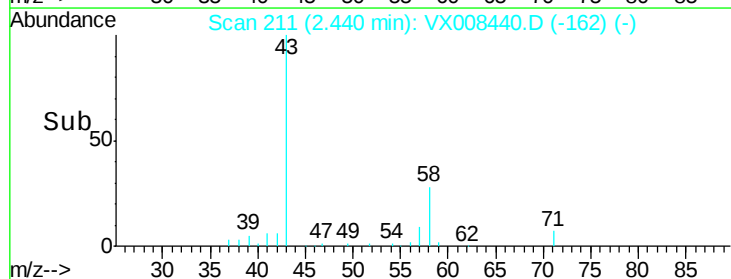
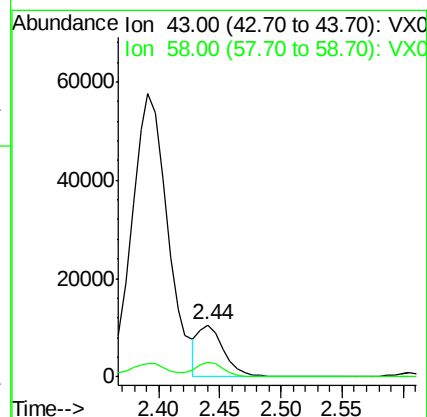
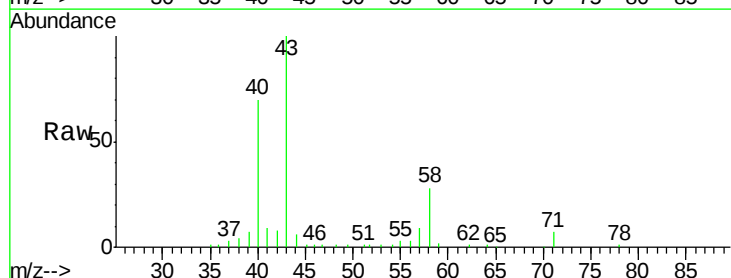
Acq: 26 Mar 2019 03:12

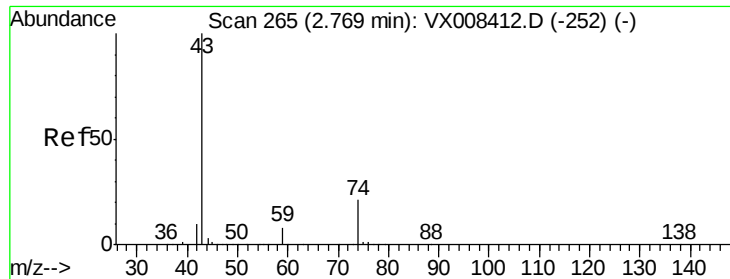
Tgt Ion: 43 Resp: 15282

Ion Ratio Lower Upper

43 100

58 27.5 24.2 36.2

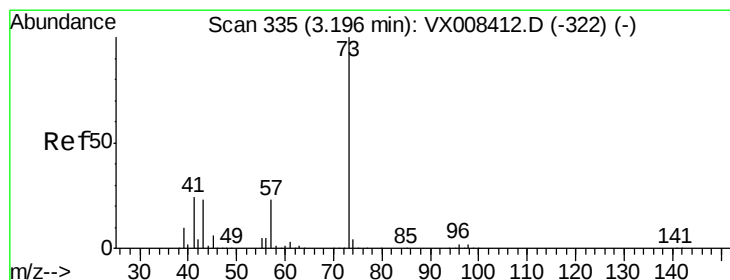
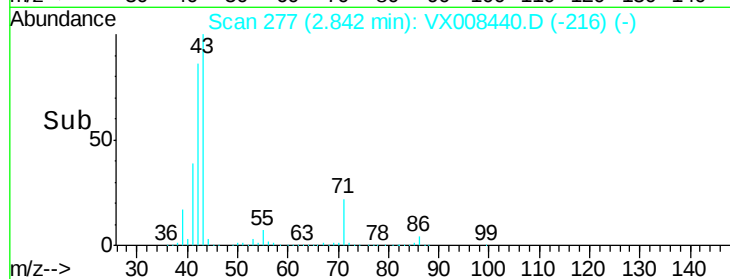
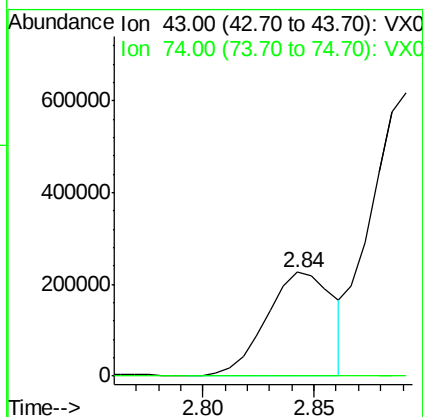
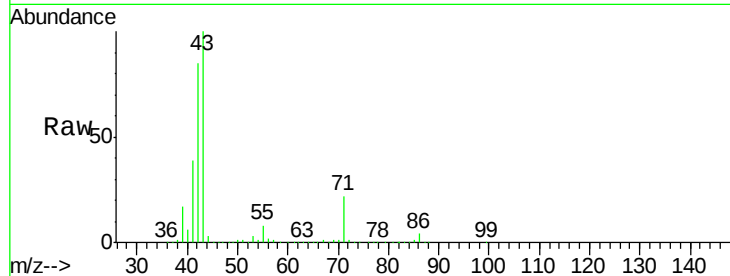




#18
Methyl Acetate
Concen: 106.497 ug/l
RT: 2.84 min Scan# 277
Delta R.T. 0.07 min
Lab File: VX008440.D
Acq: 26 Mar 2019 03:12

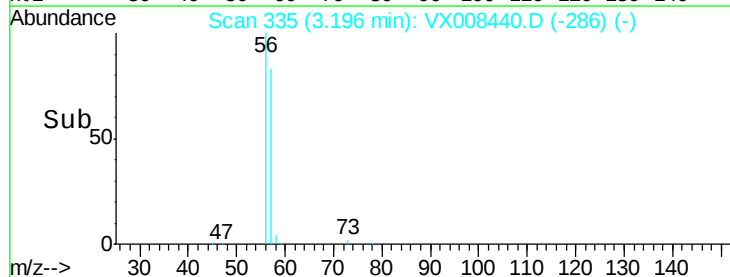
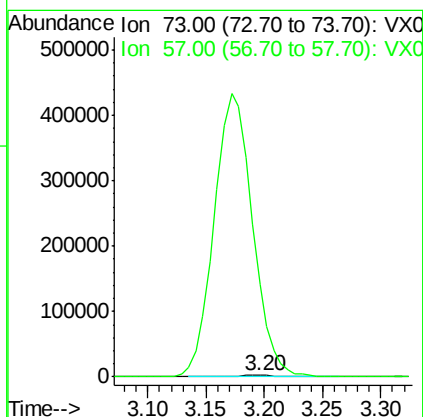
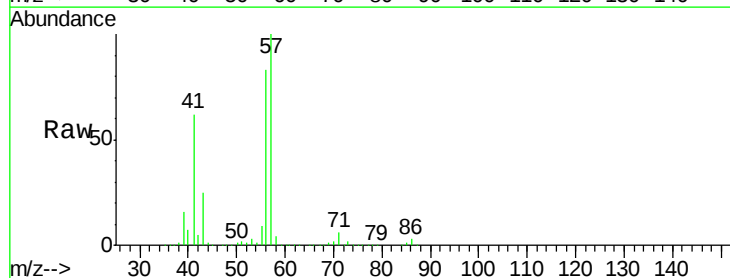
Instrument :
MSVOA_X
ClientSampled :
MW-2

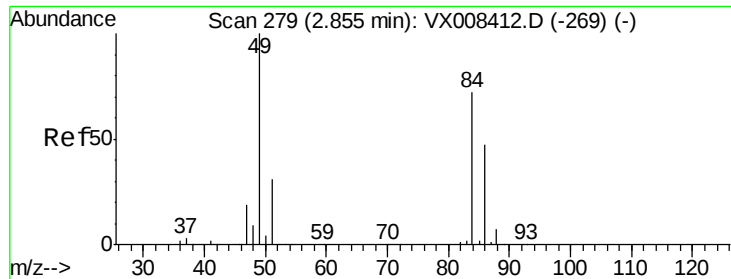
Tot Ion: 43 Resp: 469945
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#19
Methyl tert-butyl Ether
Concen: 0.645 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX008440.D
Acq: 26 Mar 2019 03:12

Tgt Ion: 73 Resp: 6275
Ion Ratio Lower Upper
73 100
57 5943.2 18.6 28.0#





#20

Methylene Chloride

Concen: 0.667 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.07 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

Instrument :

MSVOA_X

ClientSampled :

MW-2

Tot Ion: 84 Resp: 3893

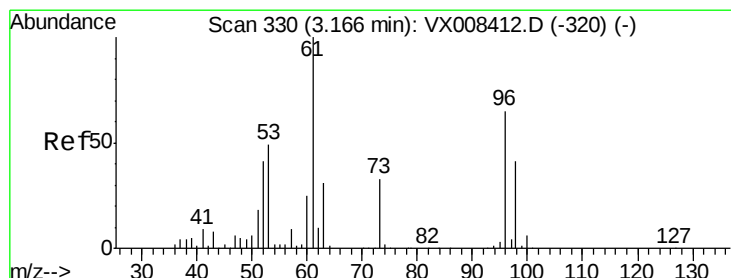
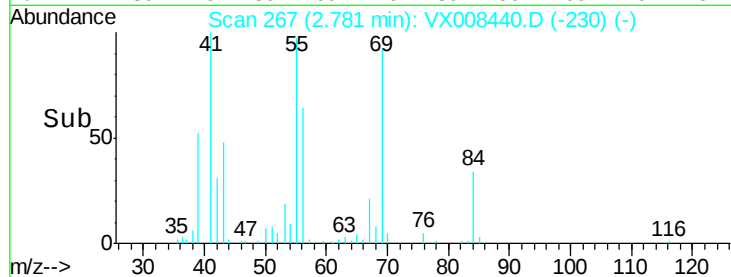
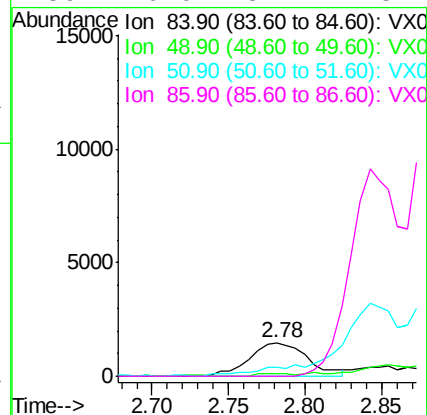
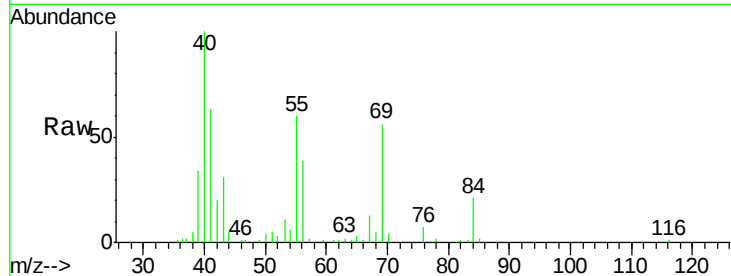
Ion Ratio Lower Upper

84 100

49 0.1 110.6 165.8#

51 19.4 33.9 50.9#

86 0.0 52.2 78.2#



#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 3.00 min Scan# 303

Delta R.T. -0.16 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

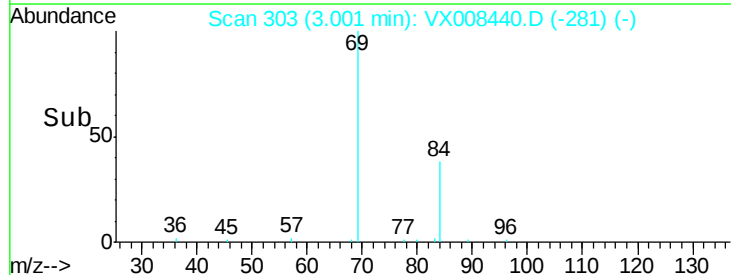
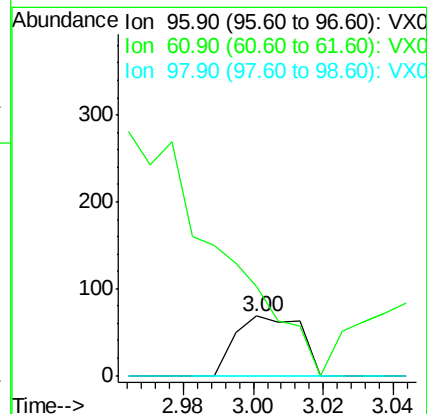
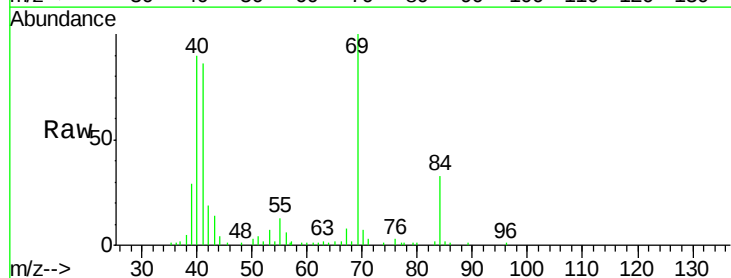
Tgt Ion: 96 Resp: 89

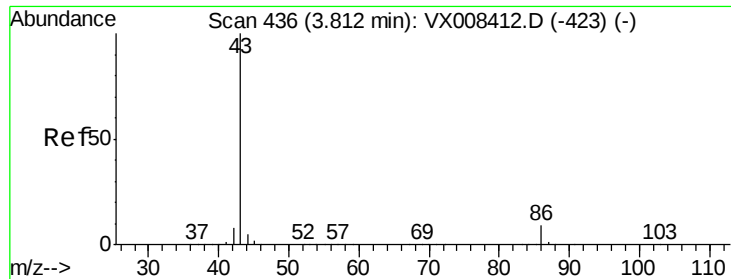
Ion Ratio Lower Upper

96 100

61 75.0 122.6 184.0#

98 0.0 50.9 76.3#





#23

Vinyl Acetate

Concen: 0.873 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

Instrument :

MSVOA_X

ClientSampleId :

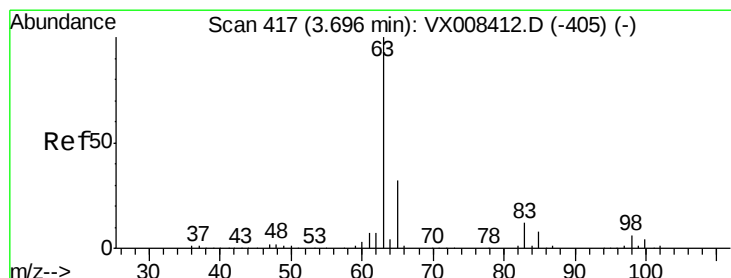
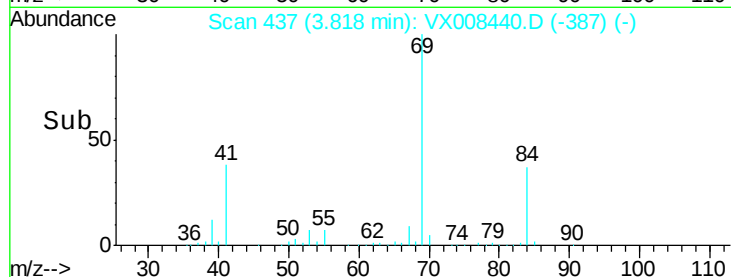
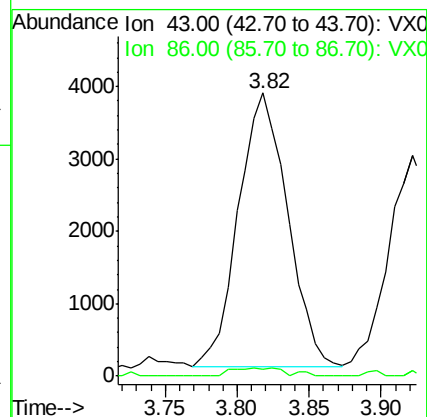
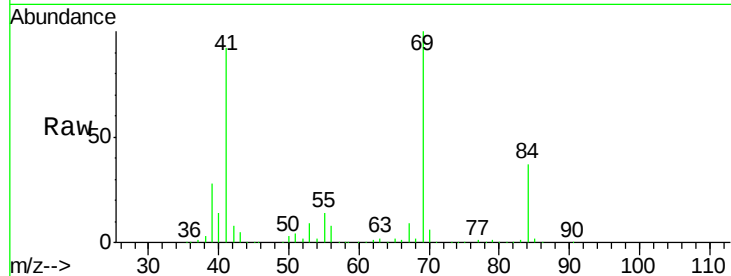
MW-2

Tot Ion: 43 Resp: 8915

Ion Ratio Lower Upper

43 100

86 2.6 6.9 10.3#



#24

1,1-Dichloroethane

Concen: 0.512 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.12 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

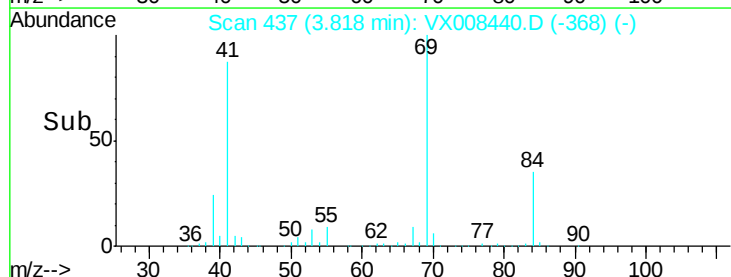
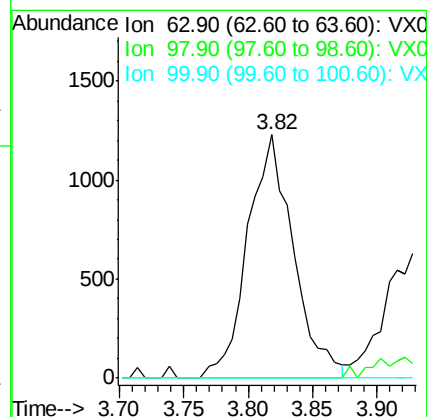
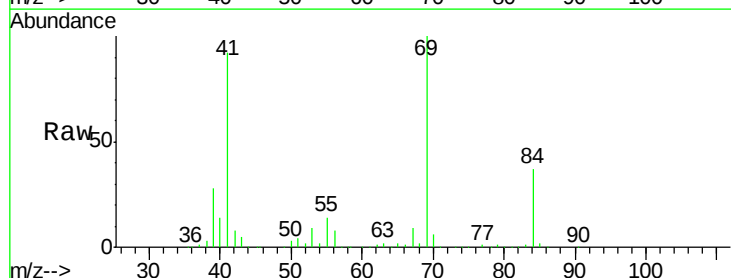
Tgt Ion: 63 Resp: 3022

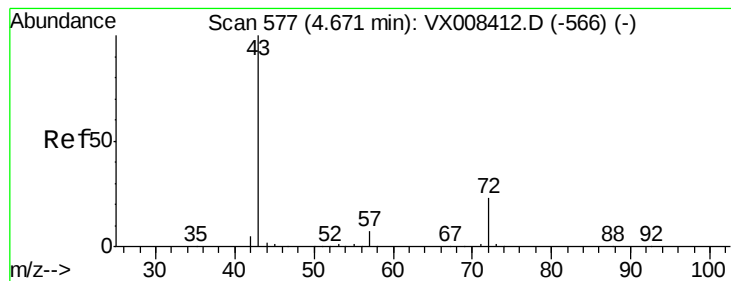
Ion Ratio Lower Upper

63 100

98 0.0 3.2 9.6#

100 0.0 2.0 5.8#





#25

2-Butanone

Concen: 4.399 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

Instrument :

MSVOA_X

ClientSampleId :

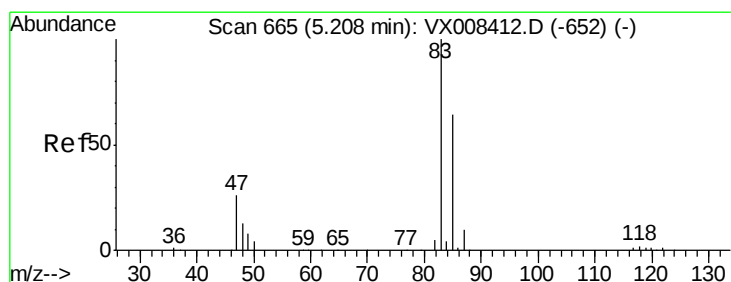
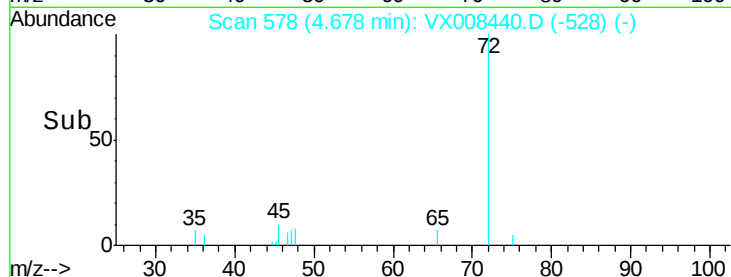
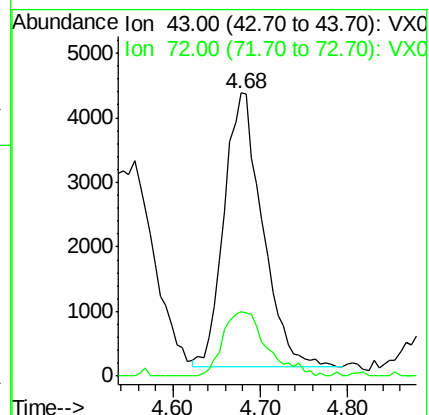
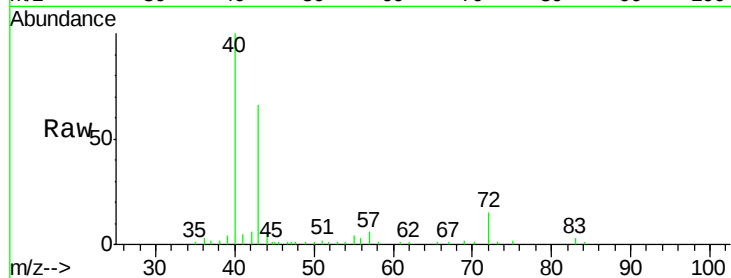
MW-2

Tot Ion: 43 Resp: 12957

Ion Ratio Lower Upper

43 100

72 23.4 18.6 28.0



#30

Chloroform

Concen: 7.733 ug/l

RT: 5.27 min Scan# 676

Delta R.T. 0.07 min

Lab File: VX008440.D

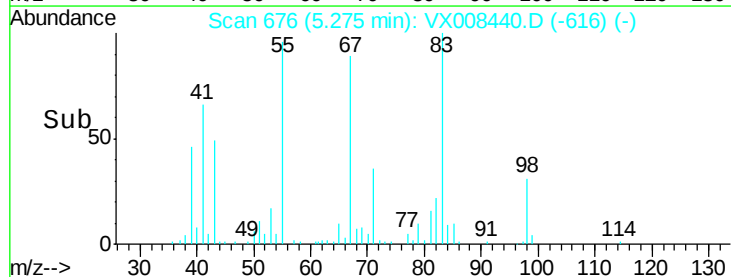
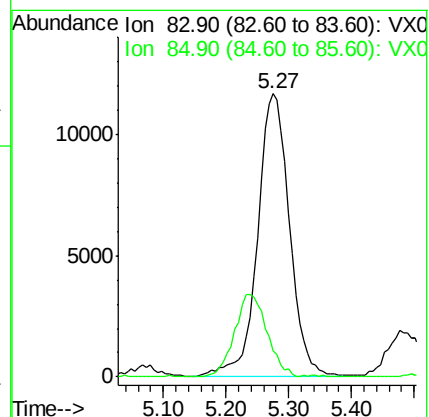
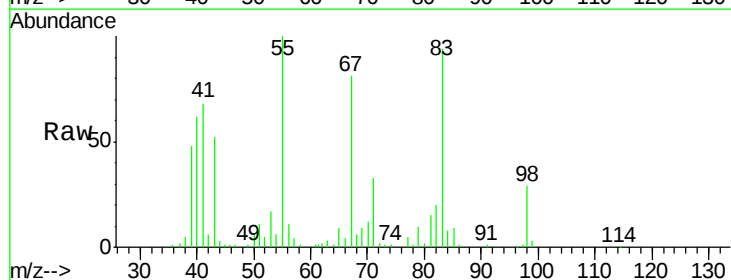
Acq: 26 Mar 2019 03:12

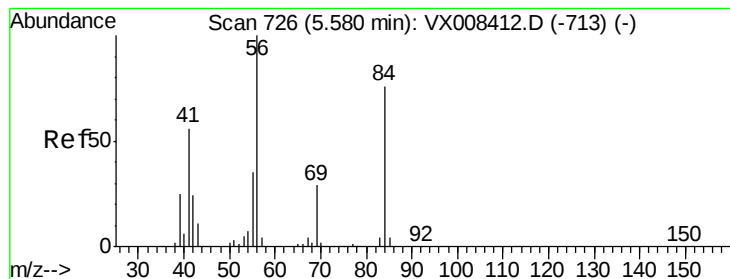
Tgt Ion: 83 Resp: 41233

Ion Ratio Lower Upper

83 100

85 9.1 51.4 77.2#





#31

Cyclohexane

Concen: 59.230 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

Instrument :

MSVOA_X

ClientSampleId :

MW-2

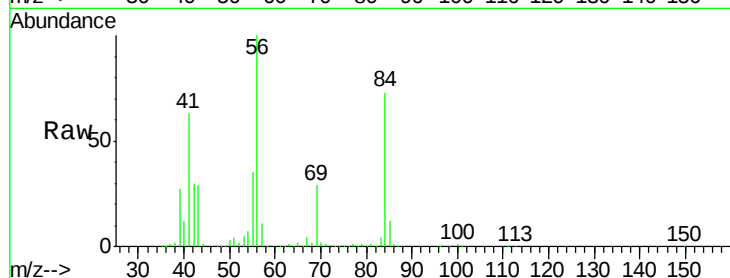
Tot Ion: 56 Resp: 333745

Ion Ratio Lower Upper

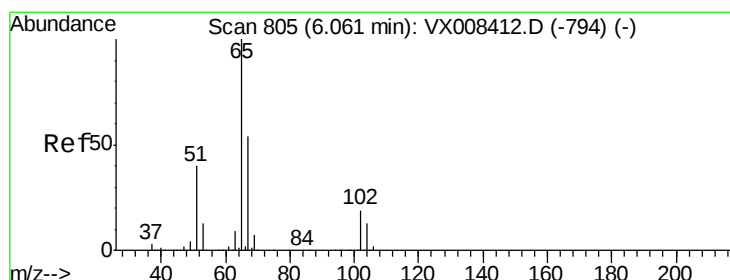
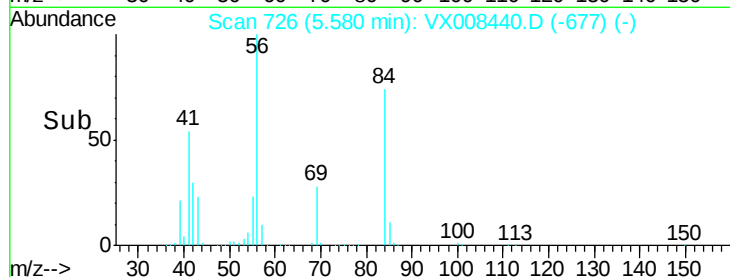
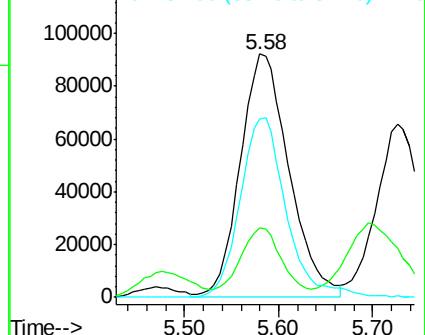
56 100

69 22.6 23.2 34.8#

84 74.1 60.7 91.1



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 46.312 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008440.D

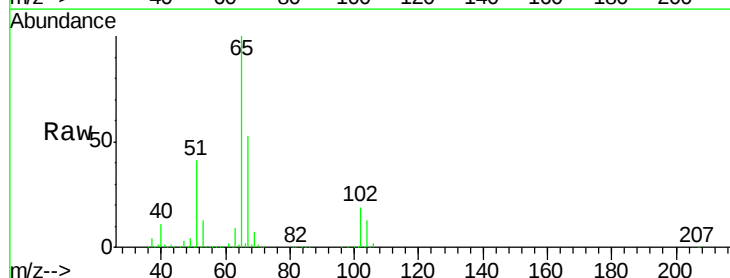
Acq: 26 Mar 2019 03:12

Tgt Ion: 65 Resp: 162804

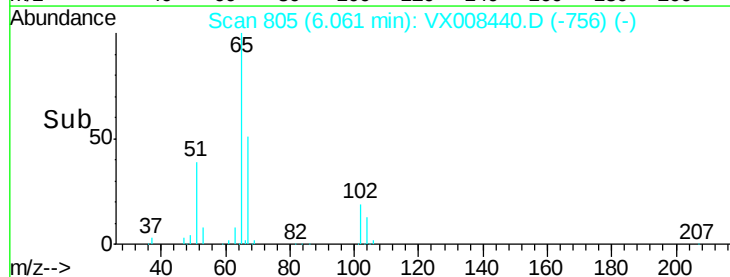
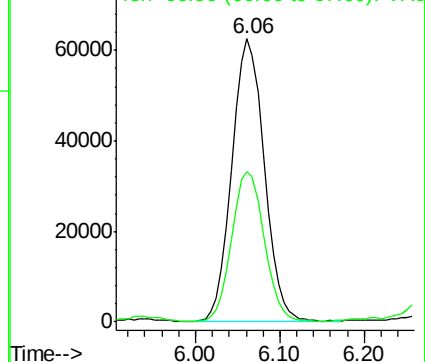
Ion Ratio Lower Upper

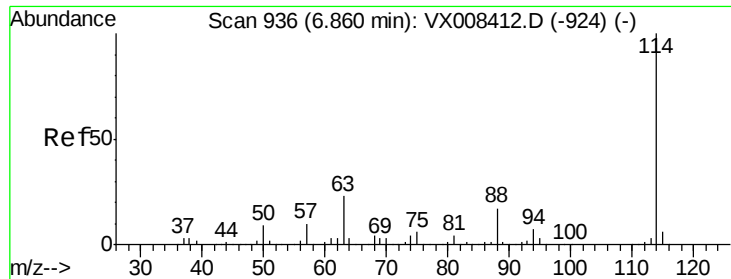
65 100

67 52.9 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

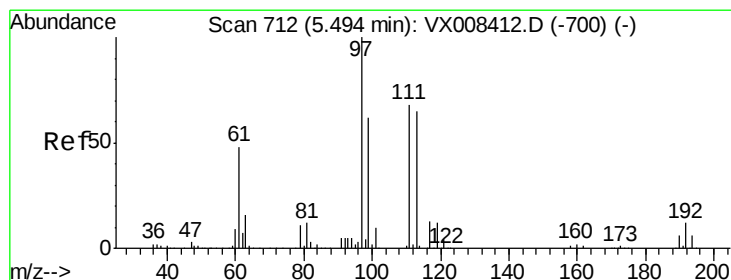
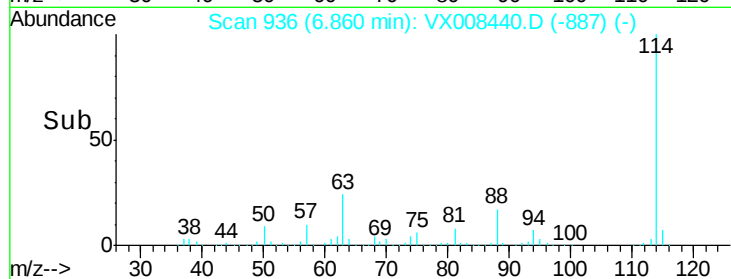
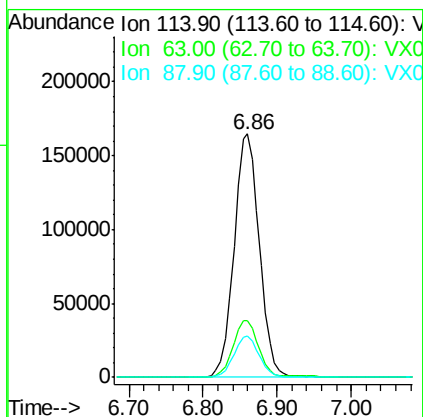
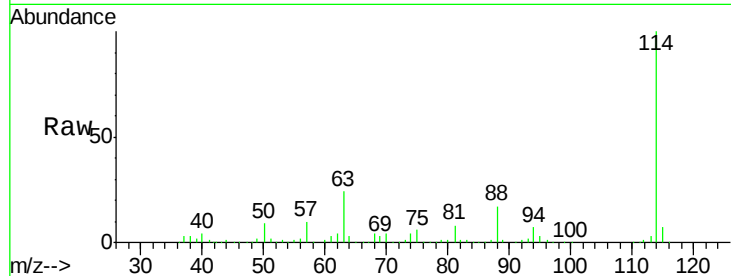




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008440.D
 Acq: 26 Mar 2019 03:12

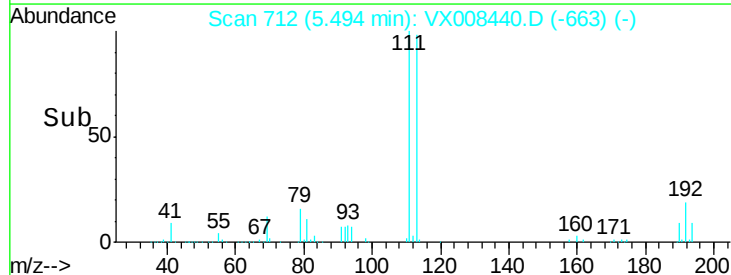
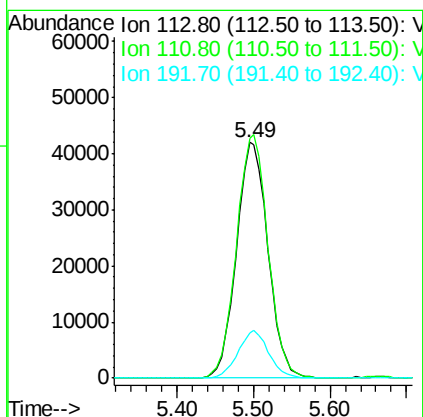
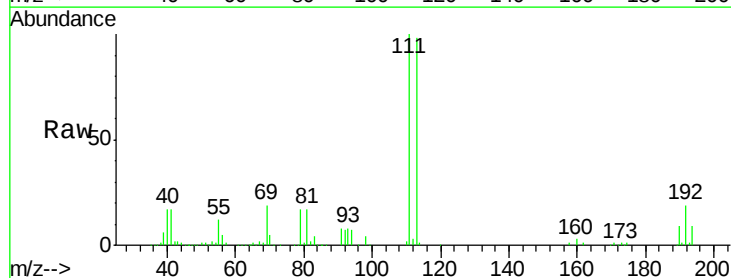
Instrument :
 MSVOA_X
 ClientSampled :
 MW-2

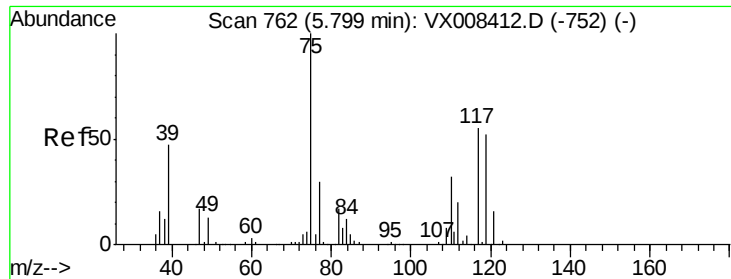
Tot Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	46.4
88	16.8	0.0	33.2



#35
 Dibromofluoromethane
 Concen: 47.191 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX008440.D
 Acq: 26 Mar 2019 03:12

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.0	124.4
192	19.5	15.6	23.4

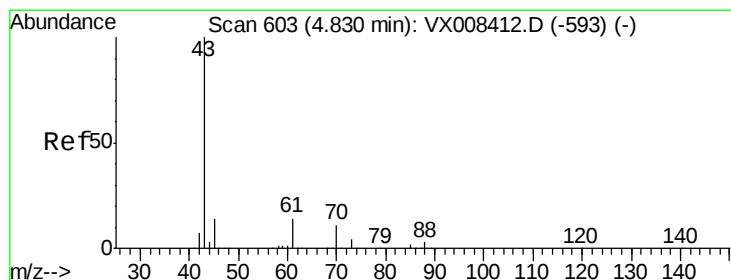
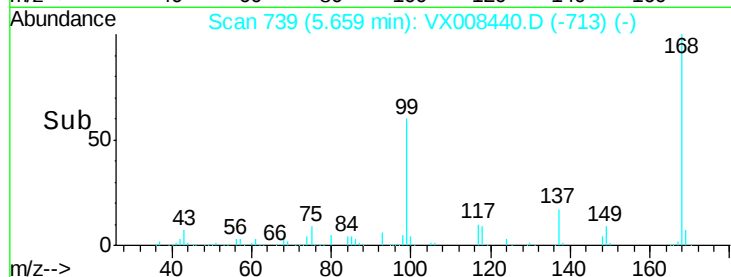
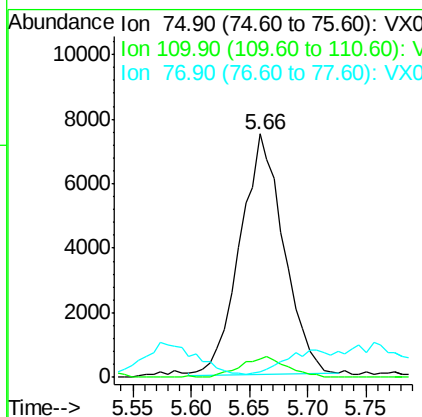
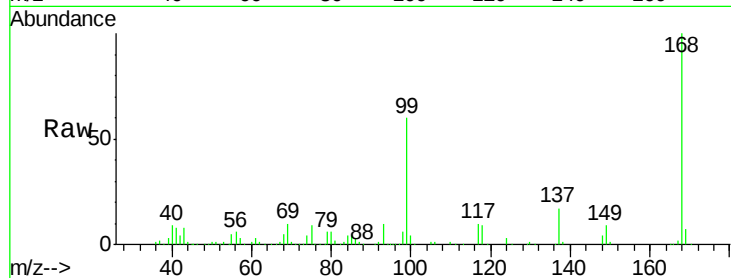




#36
 1,1-Dichloropropene
 Concen: 4.678 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008440.D
 Acq: 26 Mar 2019 03:12

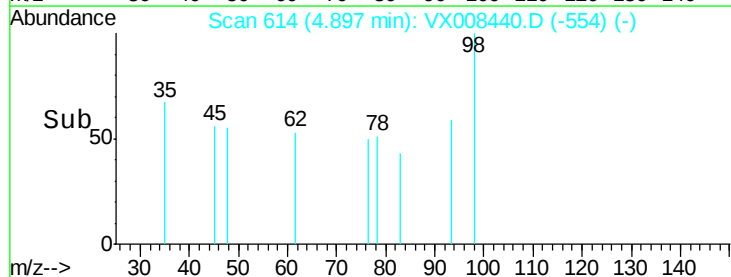
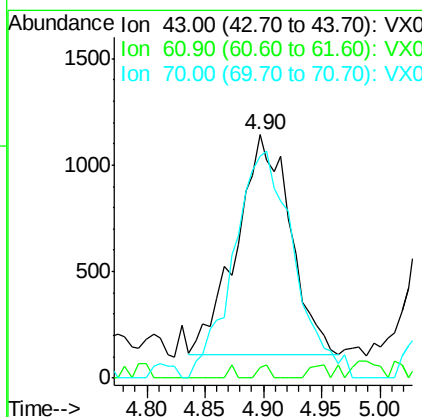
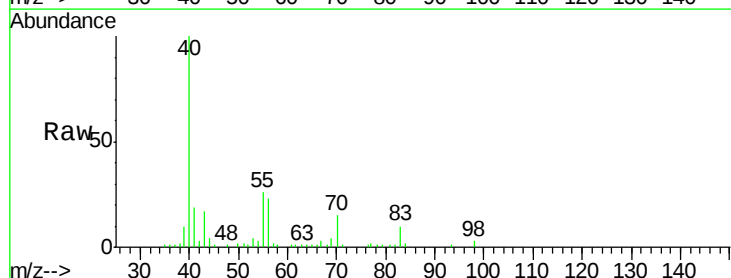
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

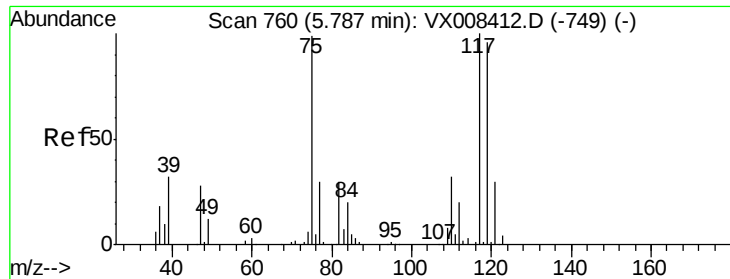
Tot Ion: 75 Resp: 19510
 Ion Ratio Lower Upper
 75 100
 110 9.0 16.6 49.7#
 77 0.0 24.2 36.2#



#37
 Ethyl Acetate
 Concen: 0.614 ug/l
 RT: 4.90 min Scan# 614
 Delta R.T. 0.07 min
 Lab File: VX008440.D
 Acq: 26 Mar 2019 03:12

Tgt Ion: 43 Resp: 3320
 Ion Ratio Lower Upper
 43 100
 61 1.2 10.5 15.7#
 70 115.9 7.8 11.8#





#38

Carbon Tetrachloride

Concen: 6.693 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

Instrument :

MSVOA_X

ClientSampleId :

MW-2

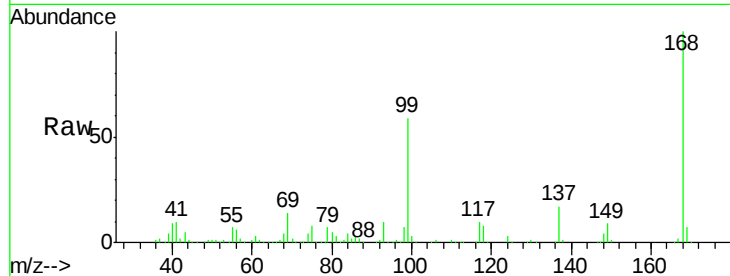
Tot Ion:117 Resp: 23295

Ion Ratio Lower Upper

117 100

119 4.3 76.7 115.1#

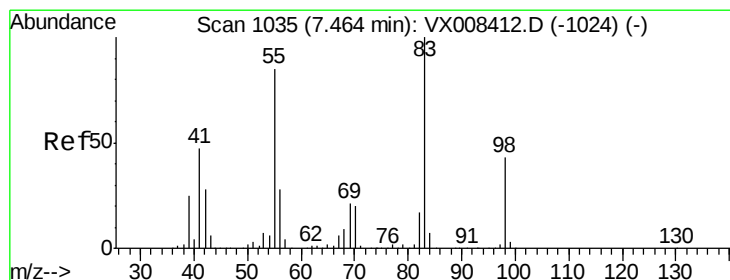
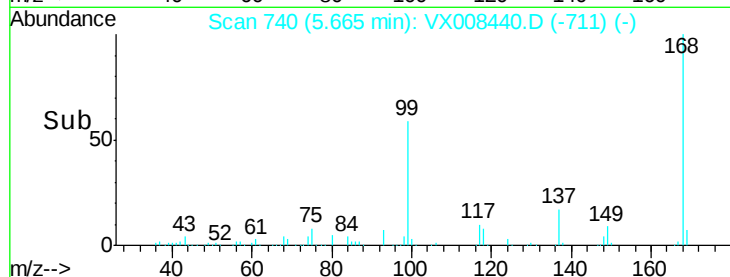
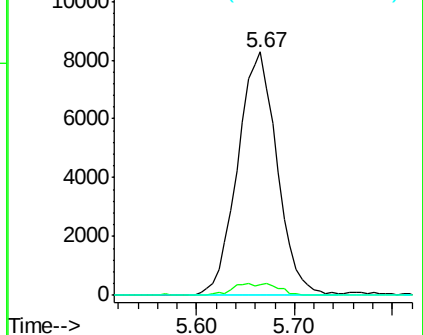
121 0.0 24.3 36.5#



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



#39

Methylcyclohexane

Concen: 65.009 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

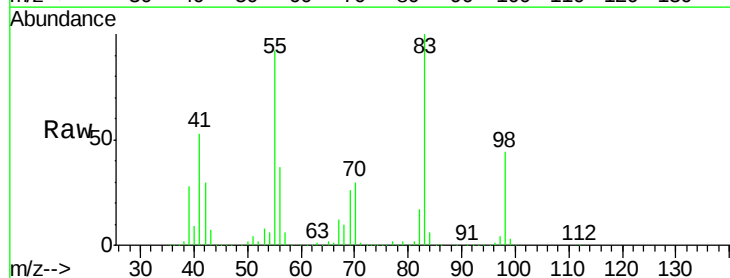
Tgt Ion: 83 Resp: 324018

Ion Ratio Lower Upper

83 100

55 91.8 68.2 102.4

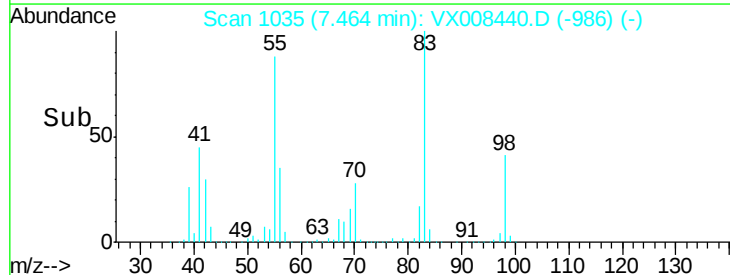
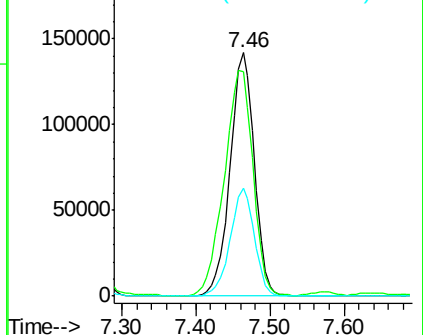
98 44.2 34.2 51.4

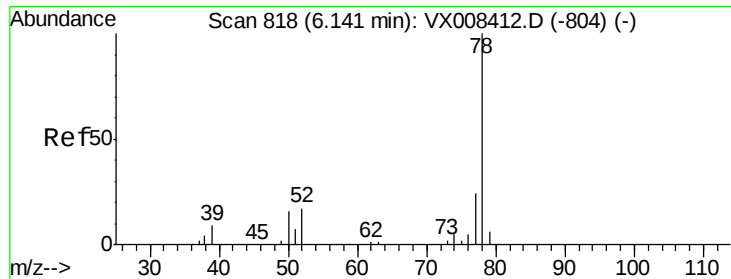


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 2.923 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

Instrument :

MSVOA_X

ClientSampleId :

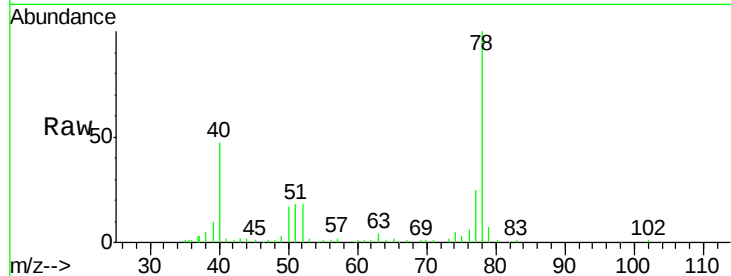
MW-2

Tot Ion: 78 Resp: 36497

Ion Ratio Lower Upper

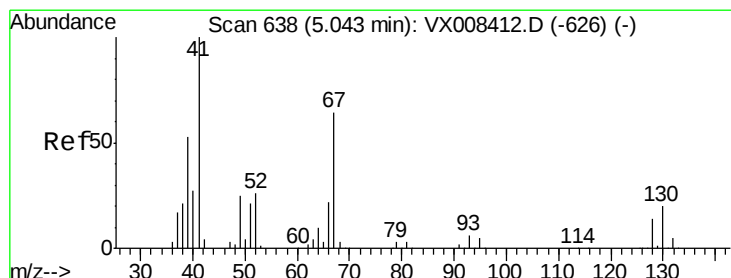
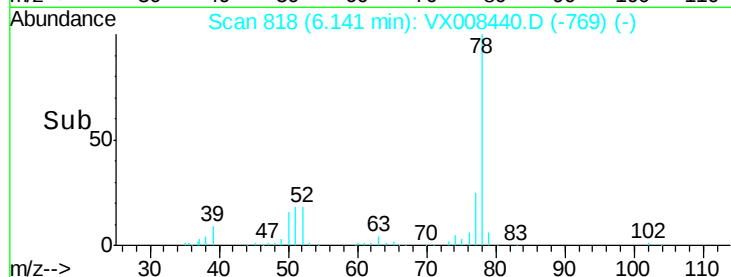
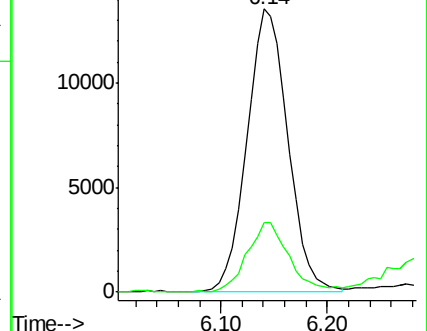
78 100

77 24.7 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#41

Methacrylonitrile

Concen: 2.562 ug/l

RT: 5.07 min Scan# 643

Delta R.T. 0.03 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

Tgt Ion: 41 Resp: 7778

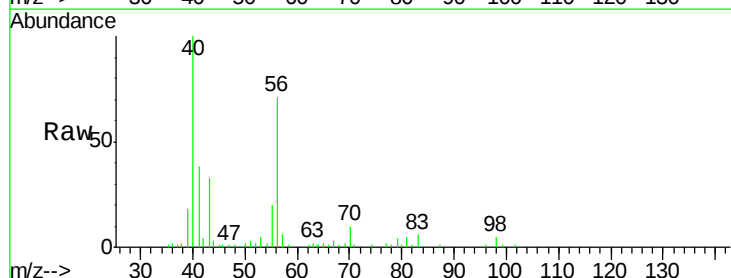
Ion Ratio Lower Upper

41 100

39 40.4 42.6 64.0#

67 0.0 52.2 78.4#

52 0.0 21.4 32.0#

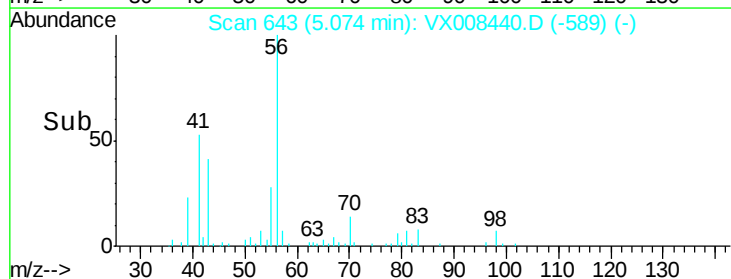
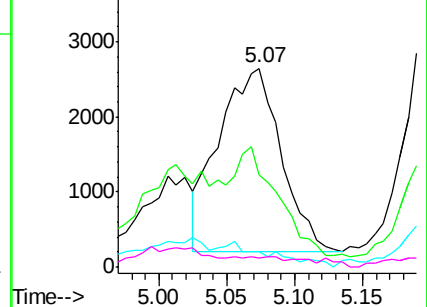


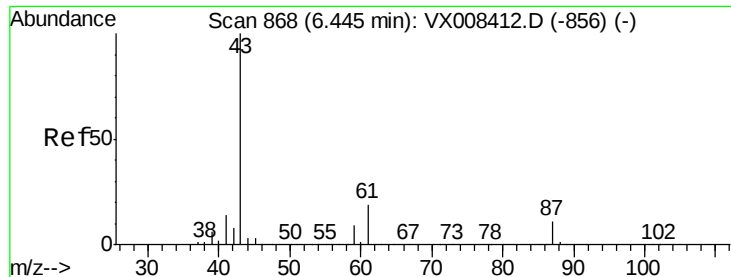
Abundance Ion 41.00 (40.70 to 41.70): VX0

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





#43

Isopropyl Acetate

Concen: 2.308 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.01 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

Instrument :

MSVOA_X

ClientSampled :

MW-2

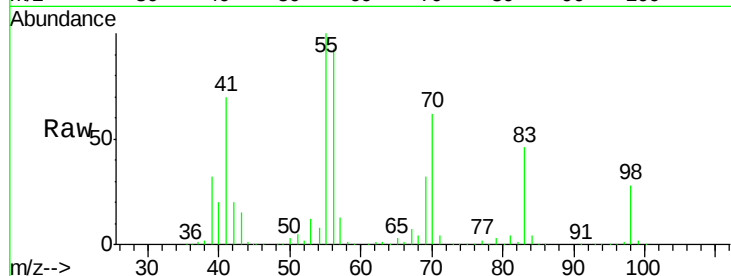
Tot Ion: 43 Resp: 19948

Ion Ratio Lower Upper

43 100

61 2.6 15.4 23.2#

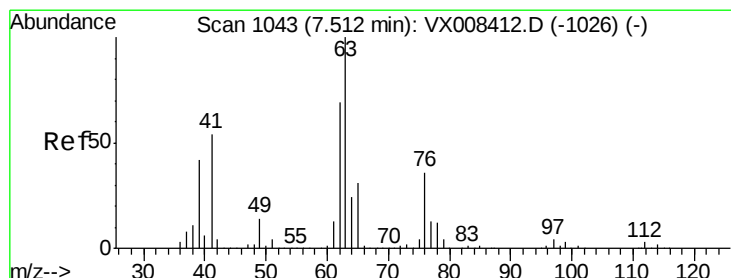
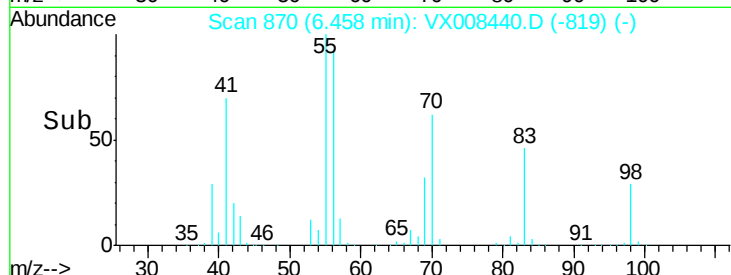
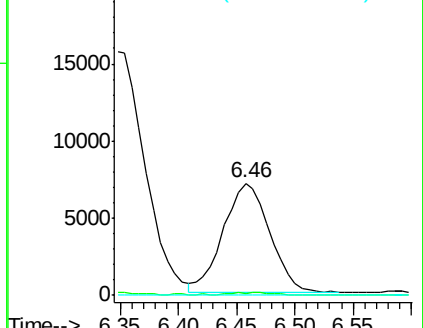
87 0.0 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#45

1,2-Dichloropropane

Concen: 1.242 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.05 min

Lab File: VX008440.D

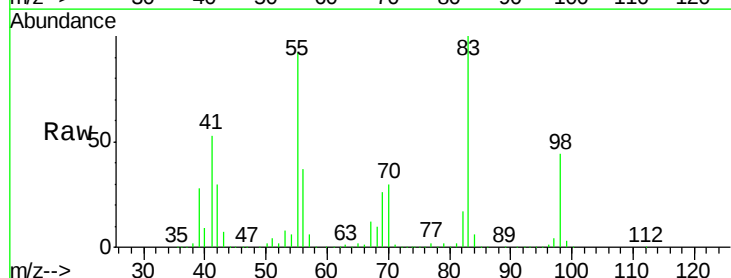
Acq: 26 Mar 2019 03:12

Tgt Ion: 63 Resp: 4407

Ion Ratio Lower Upper

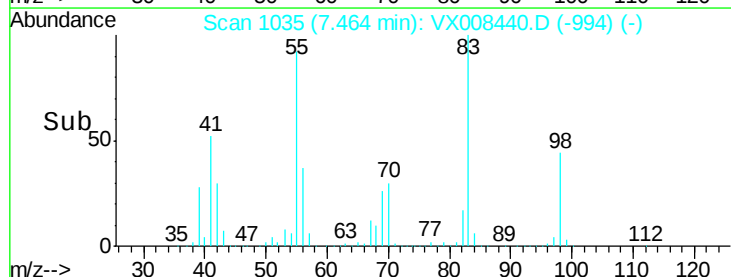
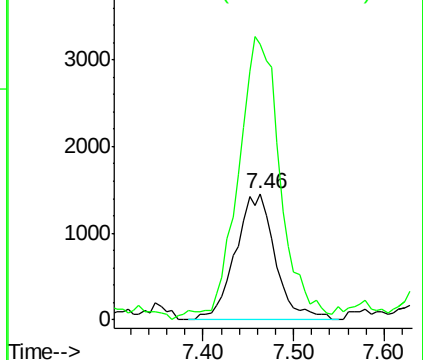
63 100

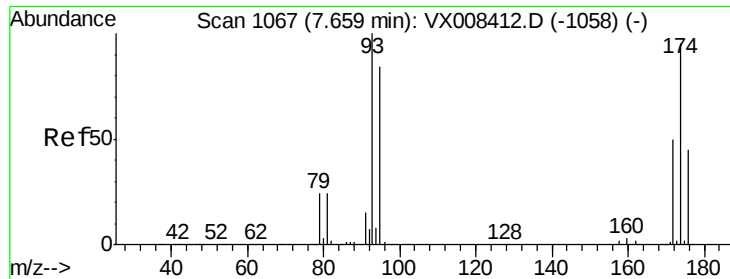
65 209.9 25.1 37.7#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0





#46

Dibromomethane

Concen: 0.452 ug/l

RT: 7.65 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

Instrument :

MSVOA_X

ClientSampled :

MW-2

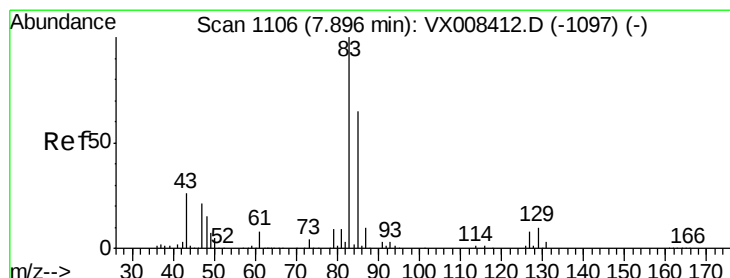
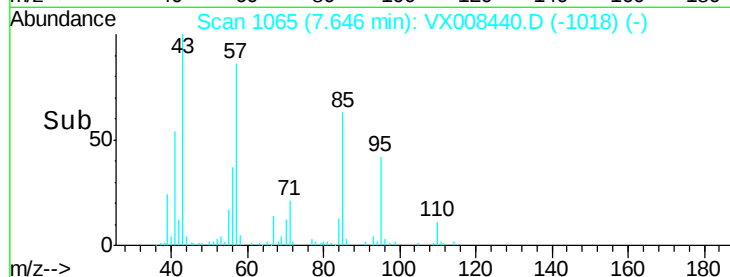
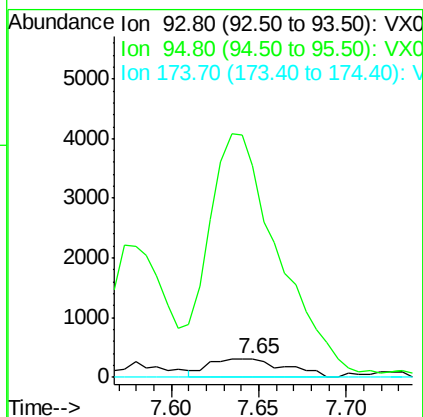
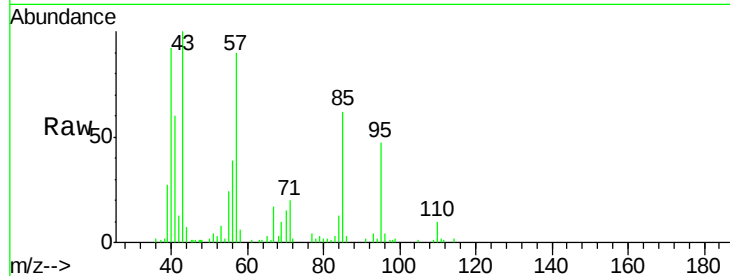
Tot Ion: 93 Resp: 936

Ion Ratio Lower Upper

93 100

95 1190.5 67.0 100.6#

174 0.0 76.0 114.0#



#47

Bromodichloromethane

Concen: 1.329 ug/l

RT: 7.84 min Scan# 1097

Delta R.T. -0.05 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

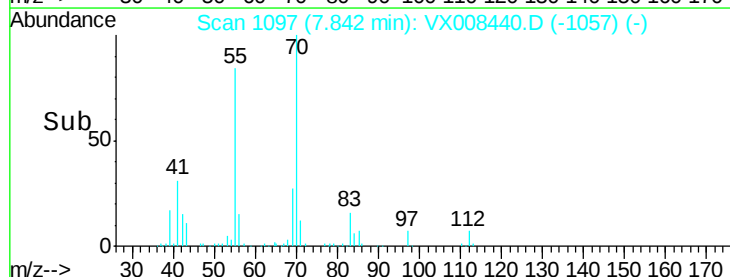
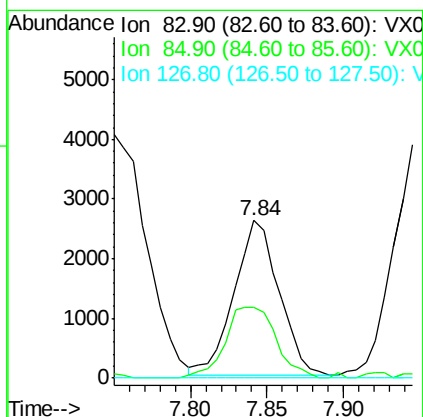
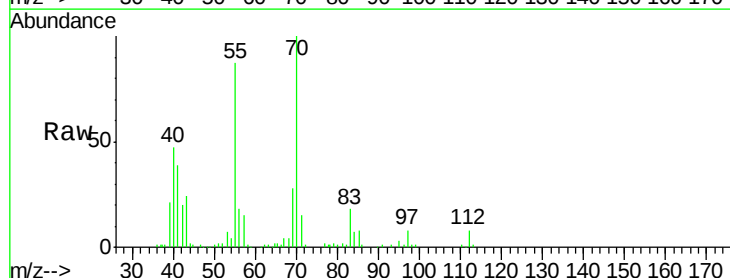
Tgt Ion: 83 Resp: 5272

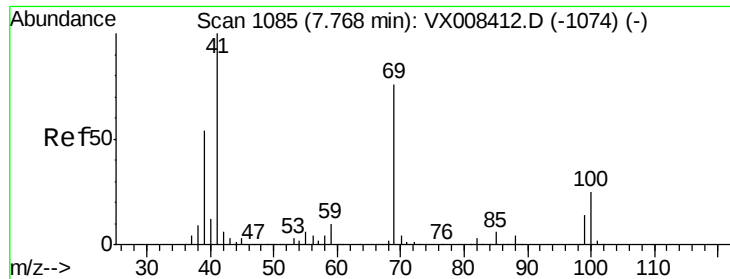
Ion Ratio Lower Upper

83 100

85 44.2 52.0 78.0#

127 0.0 6.4 9.6#

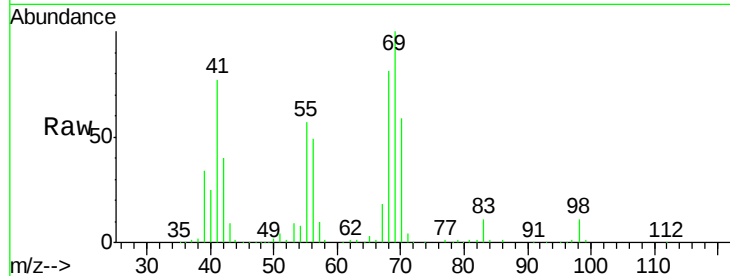




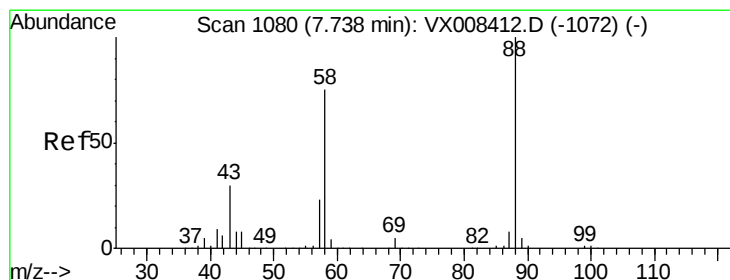
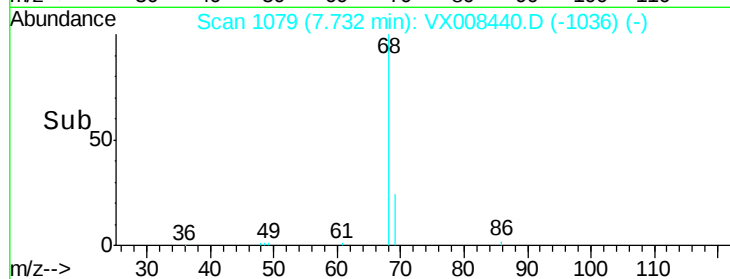
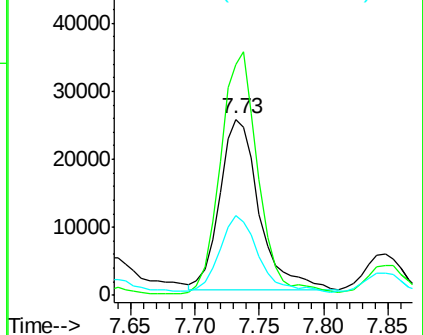
#48
Methyl methacrylate
Concen: 12.509 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.04 min
Lab File: VX008440.D
Acq: 26 Mar 2019 03:12

Instrument :
MSVOA_X
ClientSampleId :
MW-2

Tot Ion: 41 Resp: 54090
Ion Ratio Lower Upper
41 100
69 134.6 60.8 91.2#
39 43.7 42.3 63.5

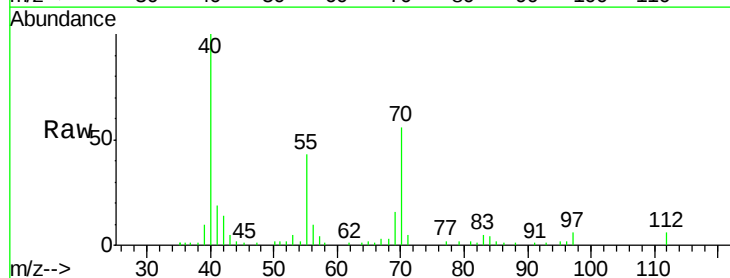


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

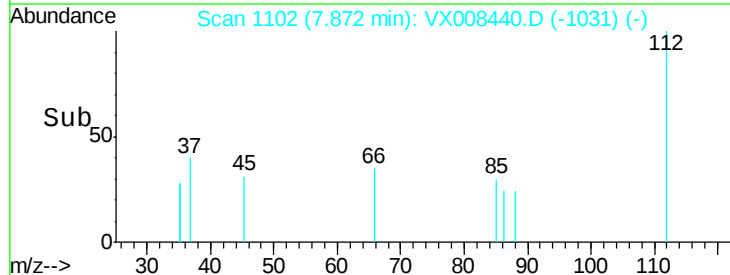
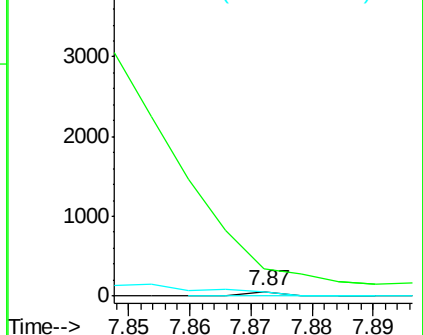


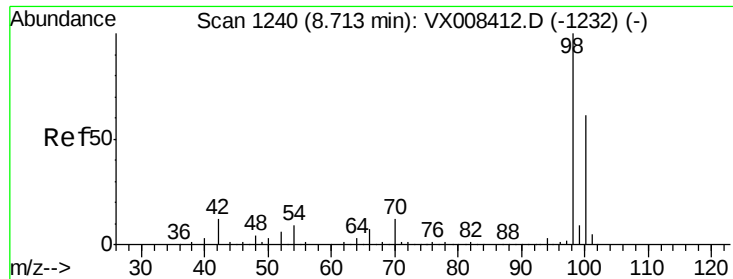
#49
1,4-Dioxane
Concen: 0.244 ug/l
RT: 7.87 min Scan# 1102
Delta R.T. 0.13 min
Lab File: VX008440.D
Acq: 26 Mar 2019 03:12

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 0.0 28.6 43.0#
58 0.0 63.0 94.4#



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

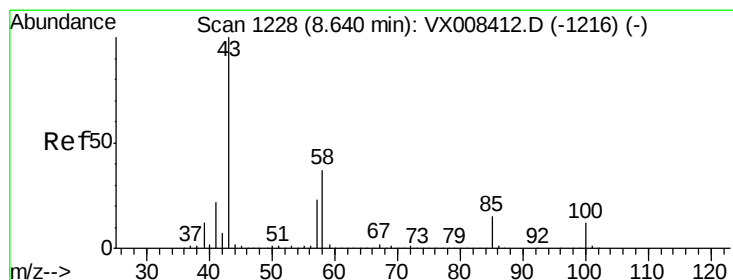
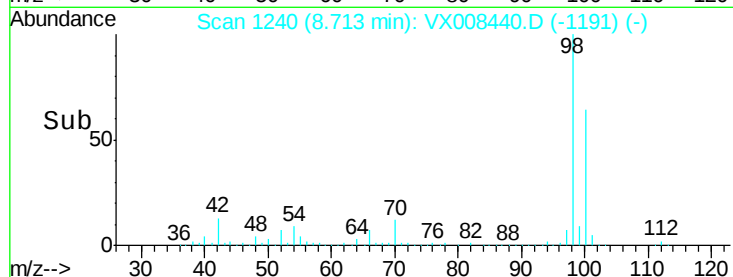
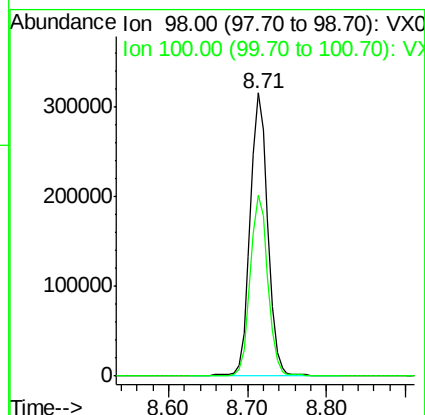
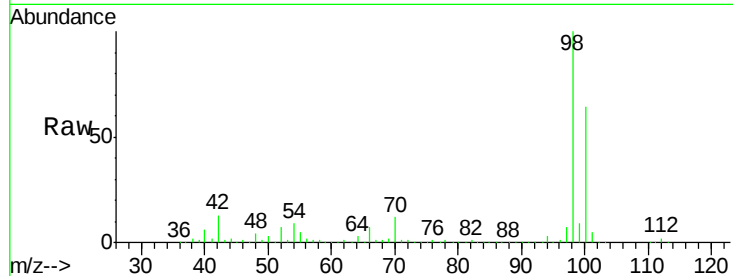




#50
Toluene-d8
Concen: 48.551 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008440.D
Acq: 26 Mar 2019 03:12

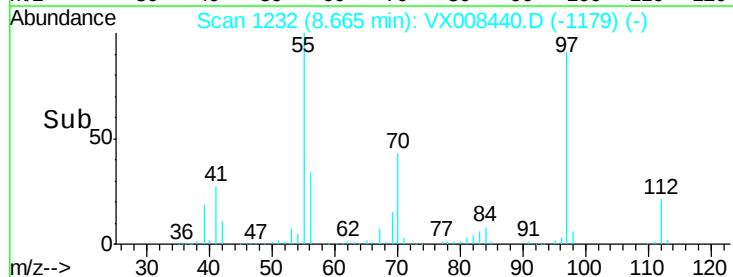
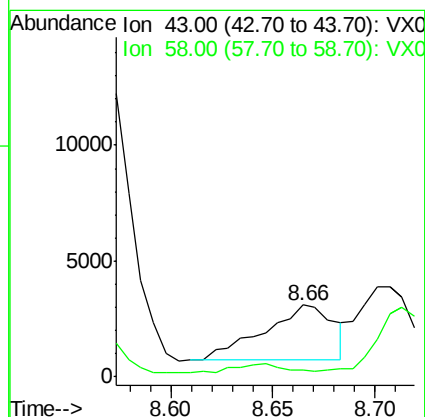
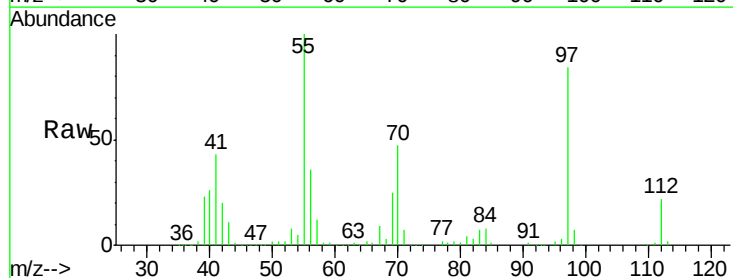
Instrument :
MSVOA_X
ClientSampleId :
MW-2

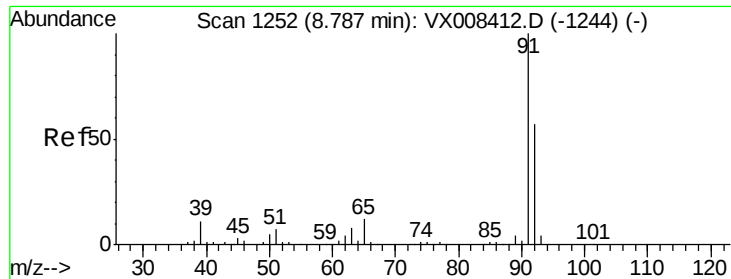
Tot Ion: 98 Resp: 495155
Ion Ratio Lower Upper
98 100
100 63.7 51.1 76.7



#51
4-Methyl-2-Pentanone
Concen: 1.016 ug/l
RT: 8.66 min Scan# 1232
Delta R.T. 0.02 min
Lab File: VX008440.D
Acq: 26 Mar 2019 03:12

Tgt Ion: 43 Resp: 5705
Ion Ratio Lower Upper
43 100
58 12.4 29.8 44.8#





#52

Toluene

Concen: 2.029 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

Instrument :

MSVOA_X

ClientSampleId :

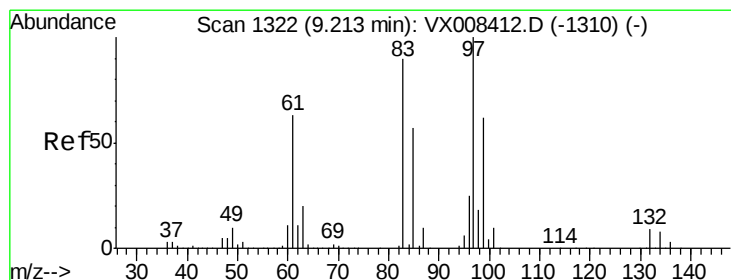
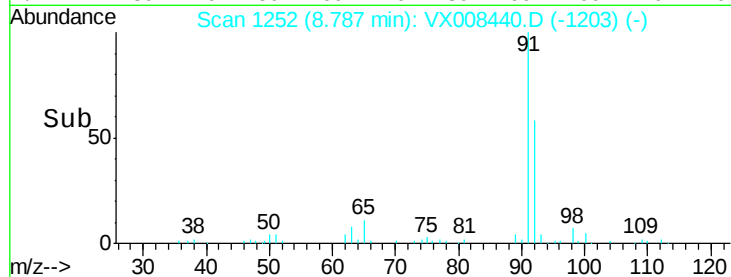
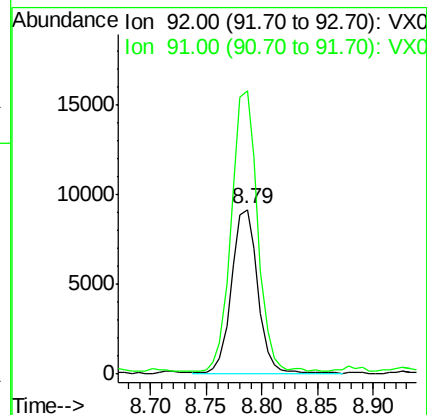
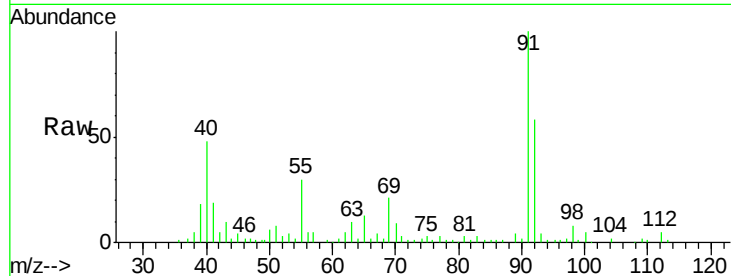
MW-2

Tot Ion: 92 Resp: 15151

Ion Ratio Lower Upper

92 100

91 167.5 140.2 210.4



#55

1,1,2-Trichloroethane

Concen: 16.515 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

Tgt Ion: 97 Resp: 50190

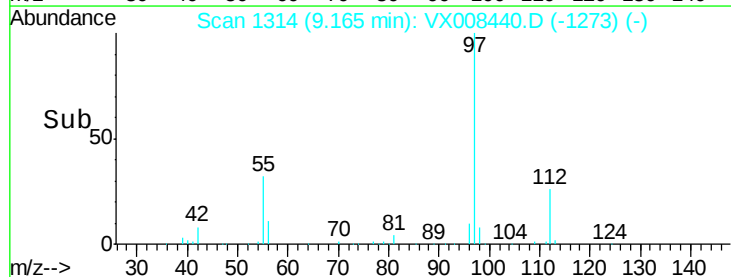
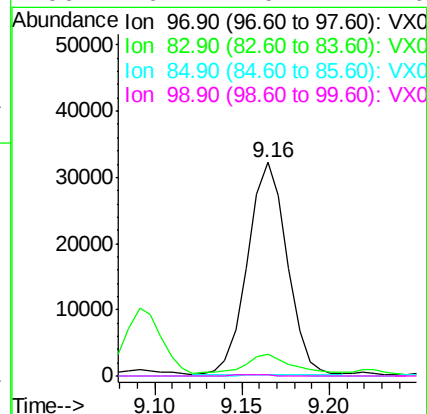
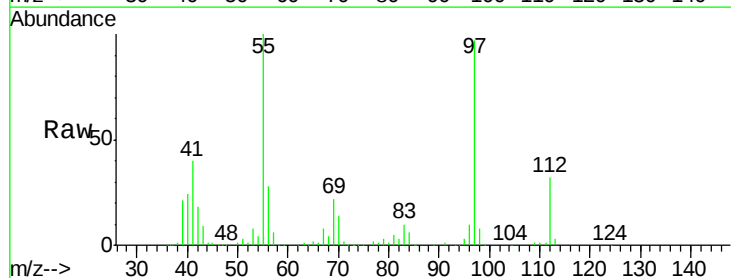
Ion Ratio Lower Upper

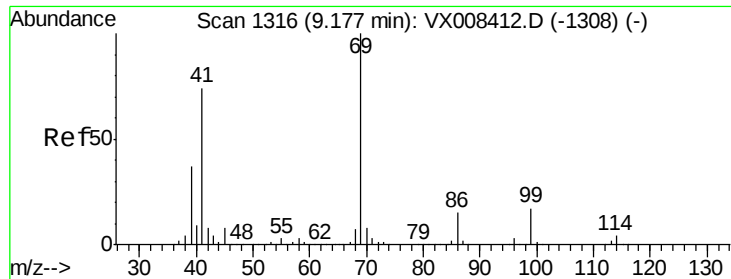
97 100

83 8.6 71.8 107.6#

85 0.7 45.9 68.9#

99 0.4 49.4 74.0#

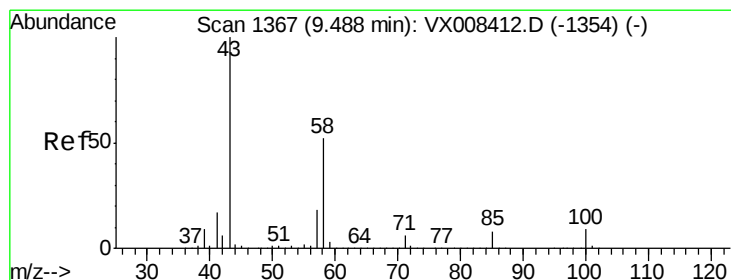
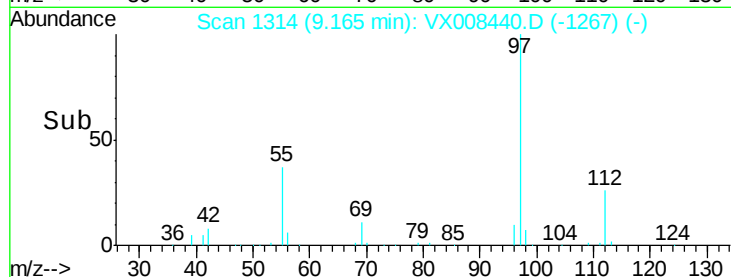
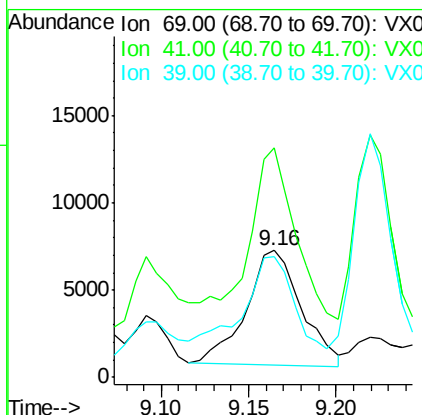
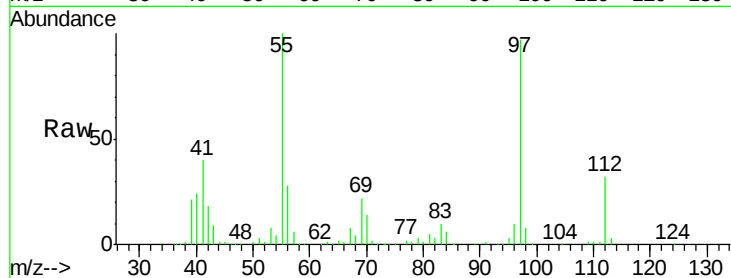




#56
Ethyl methacrylate
Concen: 2.641 ug/l
RT: 9.16 min Scan# 1314
Delta R.T. -0.01 min
Lab File: VX008440.D
Acq: 26 Mar 2019 03:12

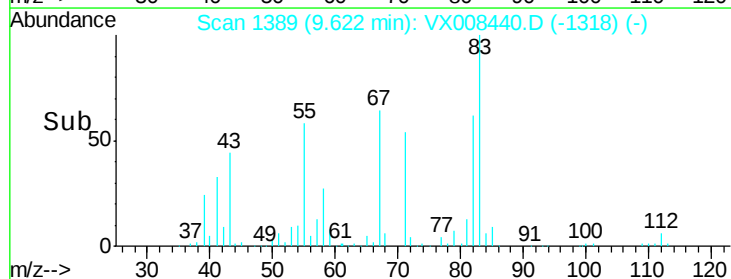
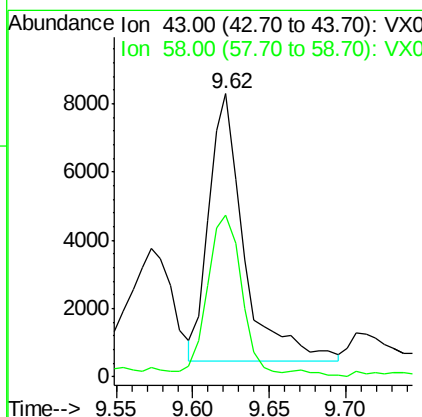
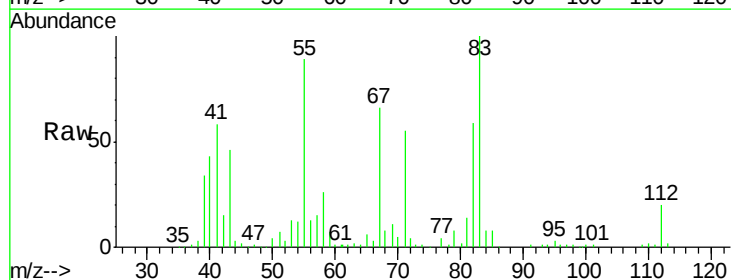
Instrument :
MSVOA_X
ClientSampled :
MW-2

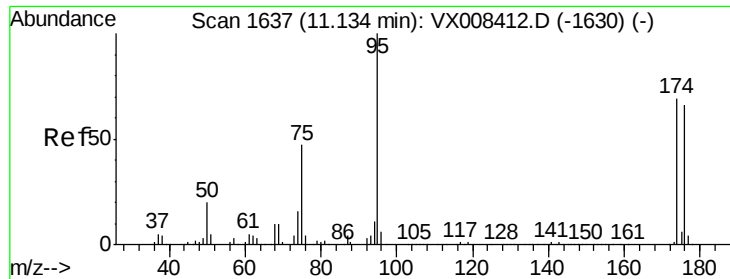
Tot Ion: 69.00 Resp: 14487
Ion Ratio Lower Upper
69 100
41 121.6 59.5 89.3#
39 91.2 29.3 43.9#



#59
2-Hexanone
Concen: 2.895 ug/l
RT: 9.62 min Scan# 1389
Delta R.T. 0.13 min
Lab File: VX008440.D
Acq: 26 Mar 2019 03:12

Tgt Ion: 43 Resp: 12592
Ion Ratio Lower Upper
43 100
58 55.1 26.3 78.9





#62

4-Bromofluorobenzene

Concen: 46.674 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

Instrument :

MSVOA_X

ClientSampleId :

MW-2

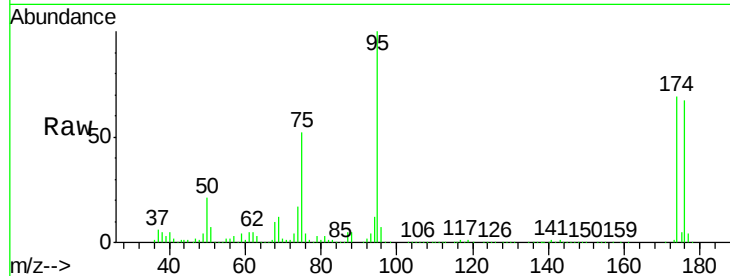
Tot Ion: 95 Resp: 176392

Ion Ratio Lower Upper

95 100

174 70.0 0.0 147.2

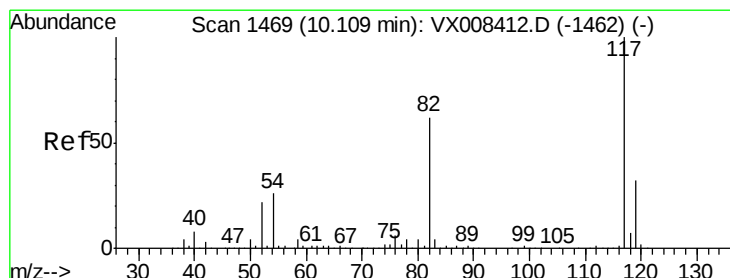
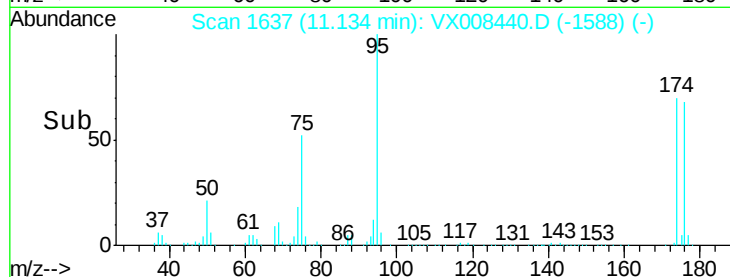
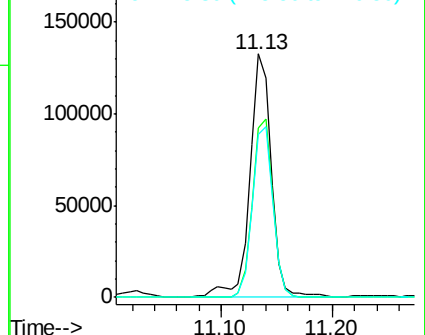
176 67.7 0.0 142.4



Abundance Ion 94.90 (94.60 to 95.60): VX008440.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX008440.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX008440.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

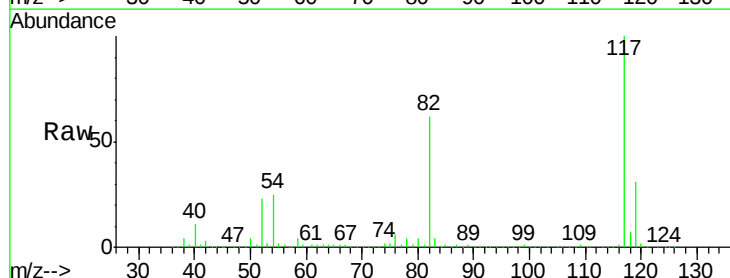
Tgt Ion: 117 Resp: 334627

Ion Ratio Lower Upper

117 100

82 62.1 49.4 74.2

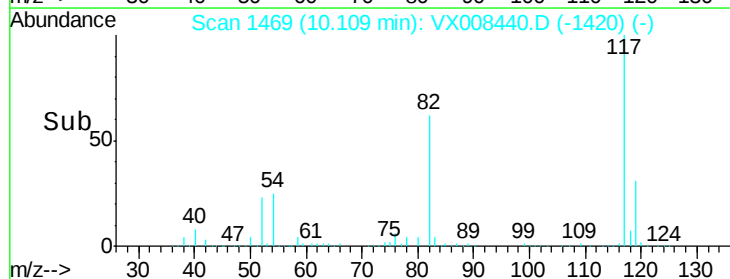
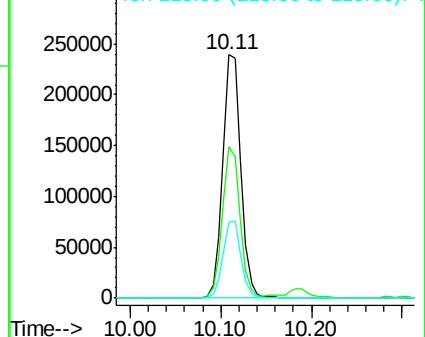
119 31.4 25.4 38.0

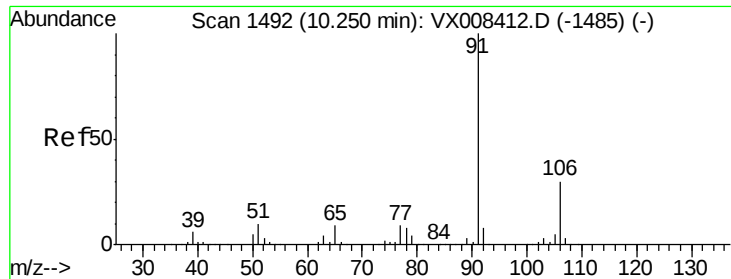


Abundance Ion 116.90 (116.60 to 117.60): VX008440.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX008440.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX008440.D (-1420) (-)





#67

Ethyl Benzene

Concen: 31.637 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

Instrument :

MSVOA_X

ClientSampleId :

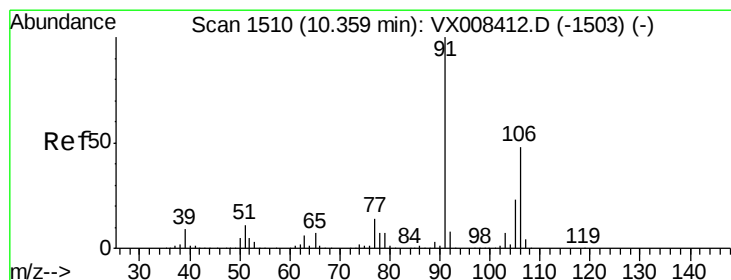
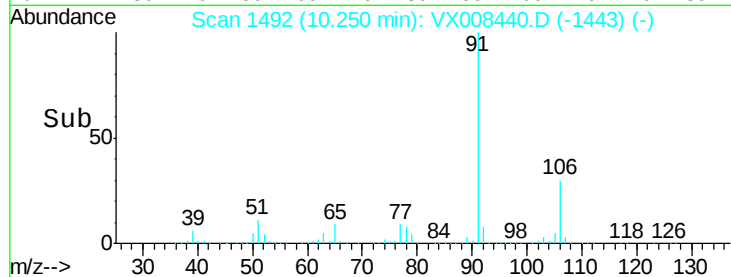
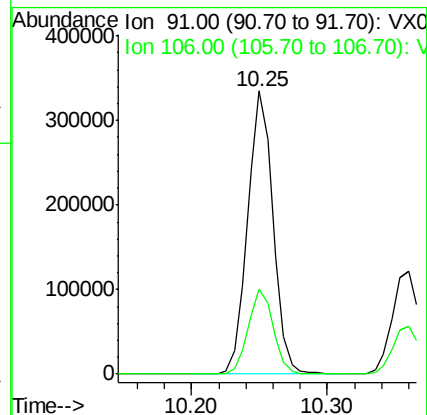
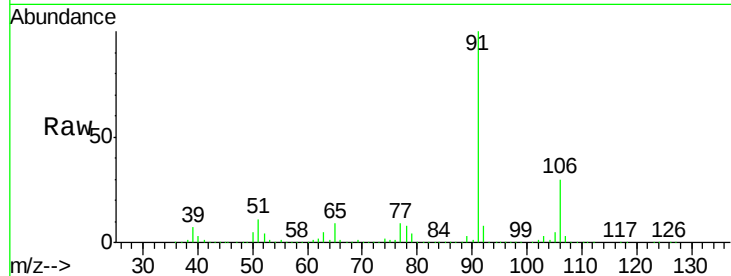
MW-2

Tot Ion: 91 Resp: 434508

Ion Ratio Lower Upper

91 100

106 30.2 24.0 36.0



#68

m/p-Xylenes

Concen: 15.854 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008440.D

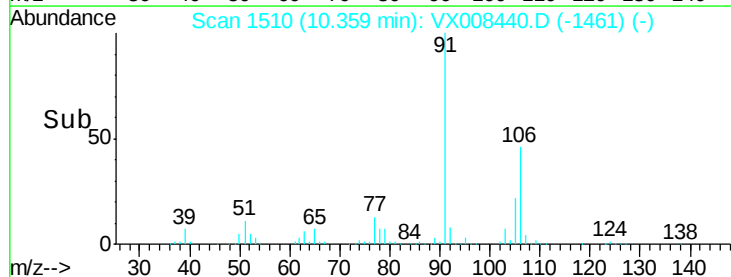
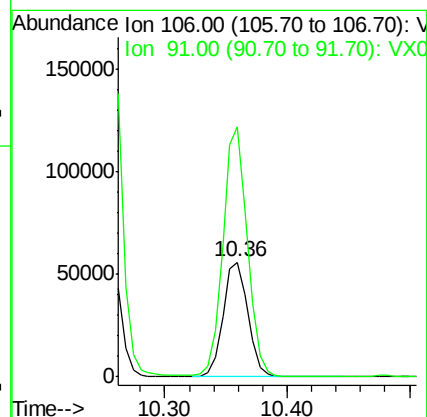
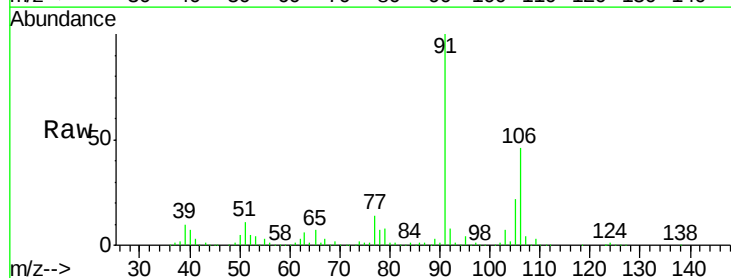
Acq: 26 Mar 2019 03:12

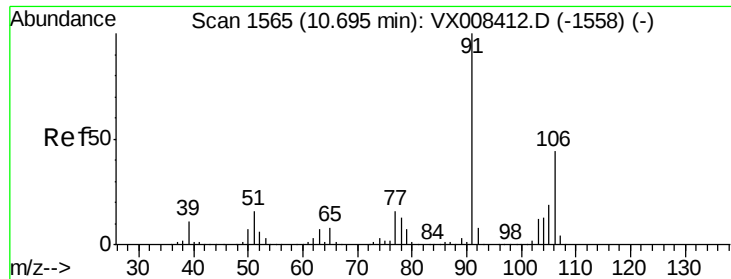
Tgt Ion:106 Resp: 79212

Ion Ratio Lower Upper

106 100

91 212.5 168.6 253.0

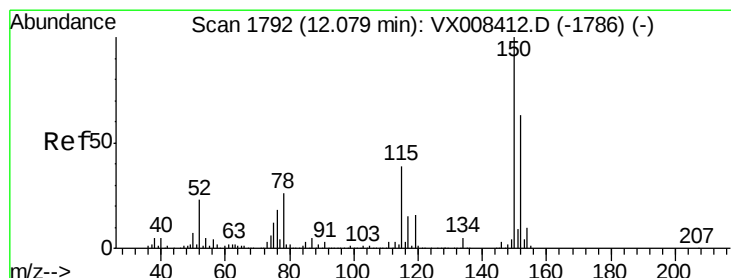
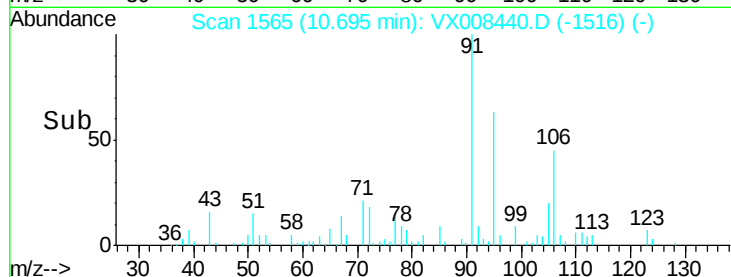
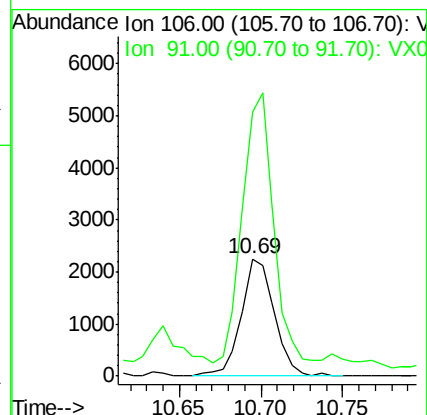
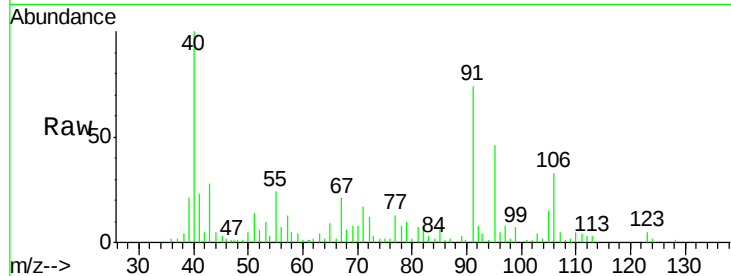




#69
o-Xylene
Concen: 0.660 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX008440.D
Acq: 26 Mar 2019 03:12

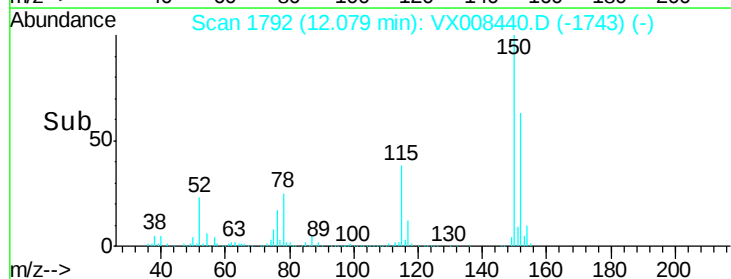
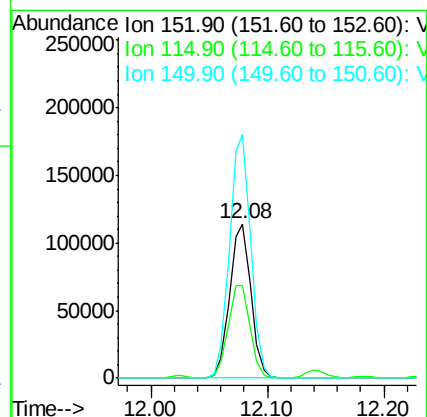
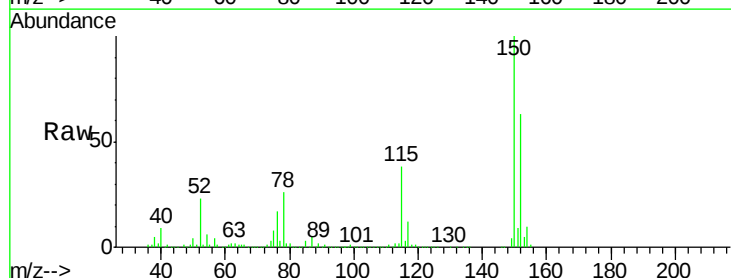
Instrument :
MSVOA_X
ClientSampled :
MW-2

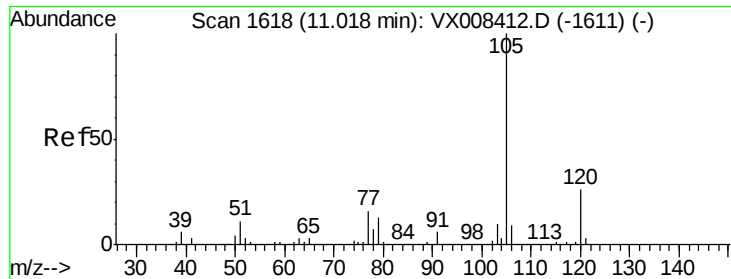
Tot Ion:106 Resp: 3200
Ion Ratio Lower Upper
106 100
91 218.5 111.4 334.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008440.D
Acq: 26 Mar 2019 03:12

Tgt Ion:152 Resp: 143127
Ion Ratio Lower Upper
152 100
115 61.9 43.5 130.5
150 158.3 0.0 348.8





#73

Isopropylbenzene

Concen: 52.741 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

Instrument :

MSVOA_X

ClientSampled :

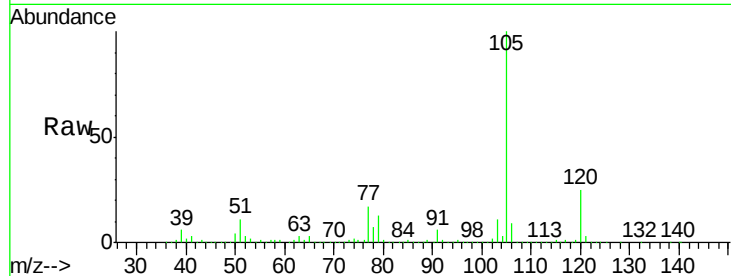
MW-2

Tot Ion:105 Resp: 614120

Ion Ratio Lower Upper

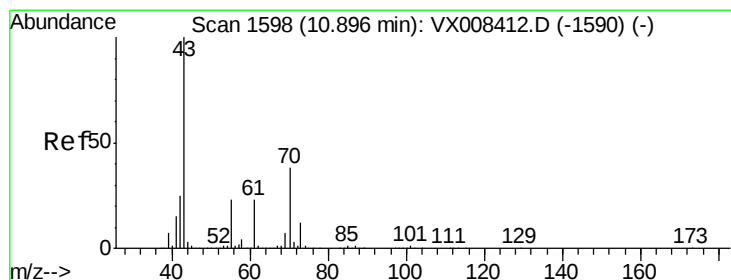
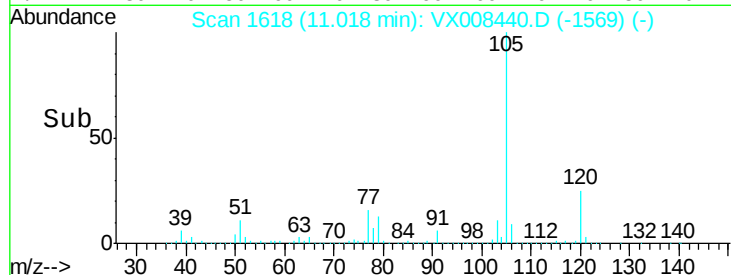
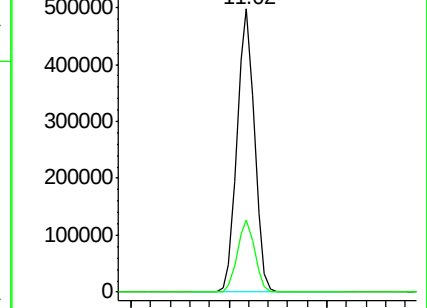
105 100

120 25.4 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 1.288 ug/l

RT: 10.87 min Scan# 1593

Delta R.T. -0.03 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

Tgt Ion: 43 Resp: 8679

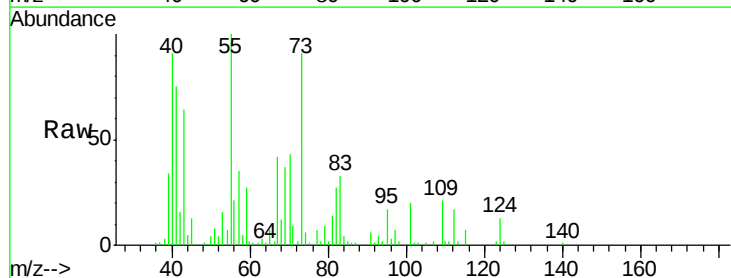
Ion Ratio Lower Upper

43 100

70 59.6 30.5 45.7#

55 169.3 18.2 27.2#

61 0.0 18.4 27.6#

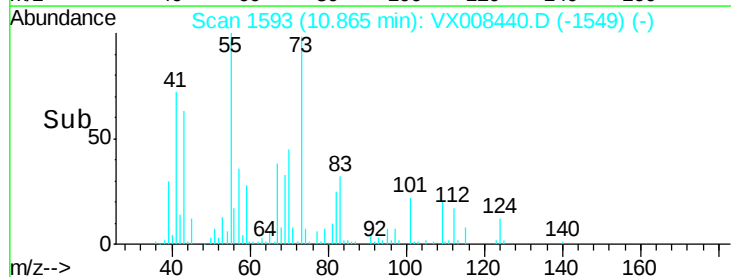
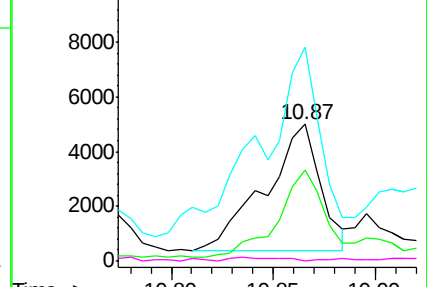


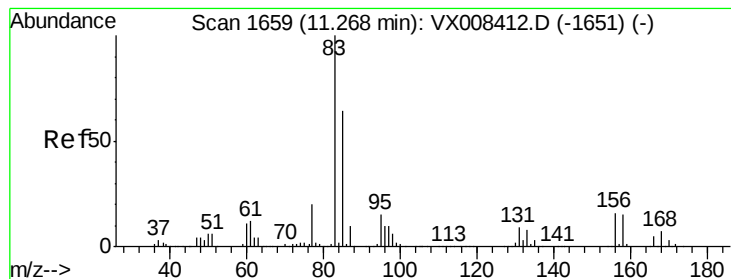
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 0.395 ug/l

RT: 11.21 min Scan# 1649

Delta R.T. -0.06 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

Instrument :

MSVOA_X

ClientSampled :

MW-2

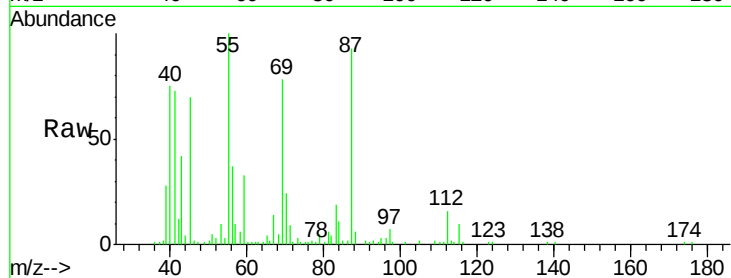
Tot Ion: 83 Resp: 1784

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.4#

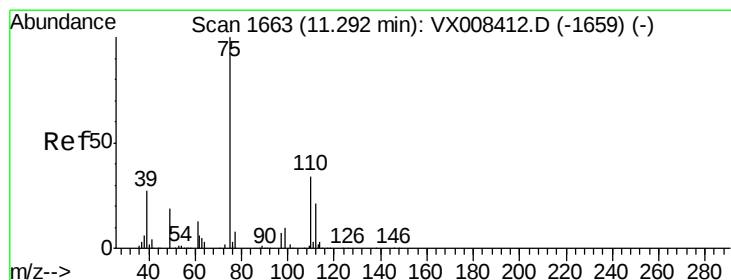
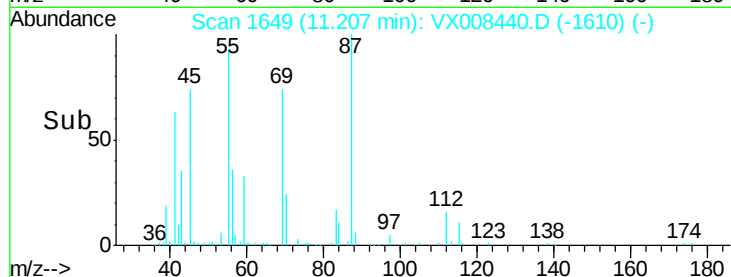
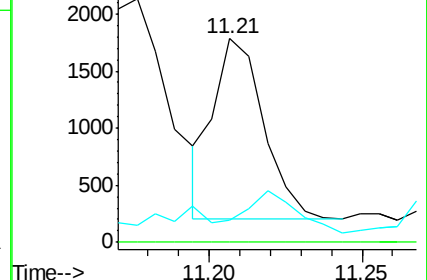
85 23.7 31.9 95.9#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 0.721 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.07 min

Lab File: VX008440.D

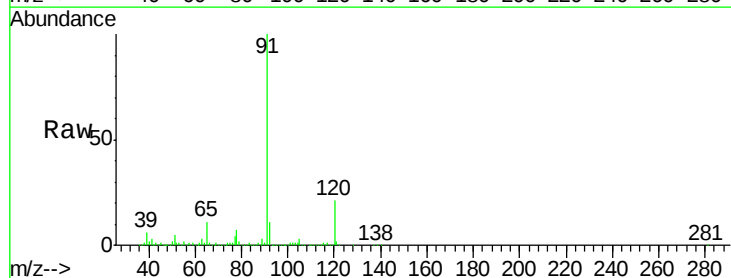
Acq: 26 Mar 2019 03:12

Tgt Ion: 75 Resp: 3068

Ion Ratio Lower Upper

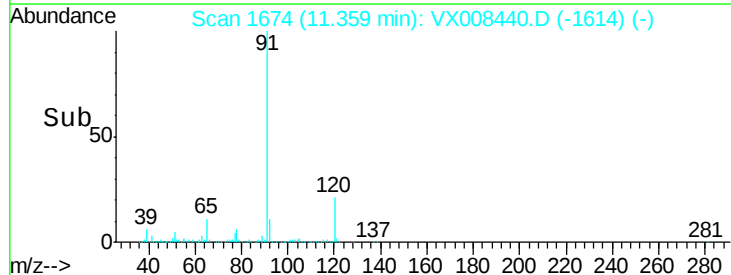
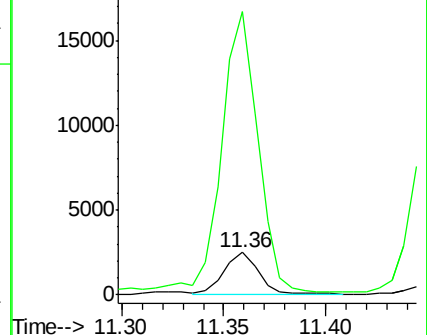
75 100

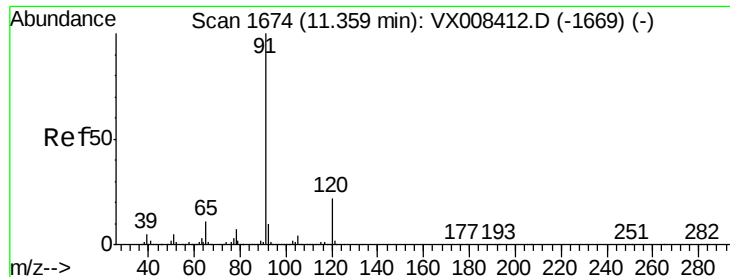
77 674.5 21.9 65.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 36.130 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

Instrument :

MSVOA_X

ClientSampleId :

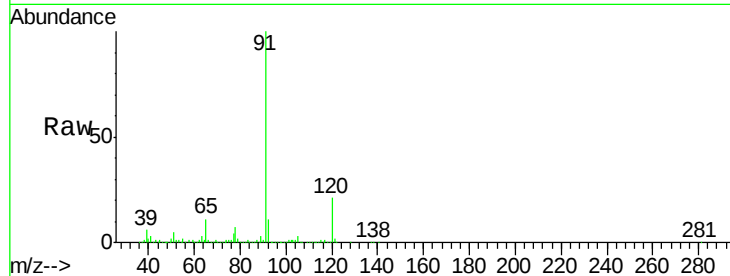
MW-2

Tot Ion: 91 Resp: 492821

Ion Ratio Lower Upper

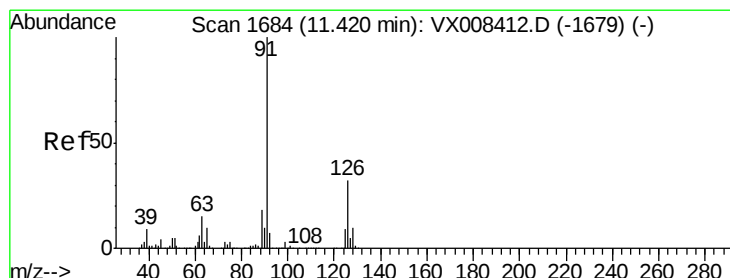
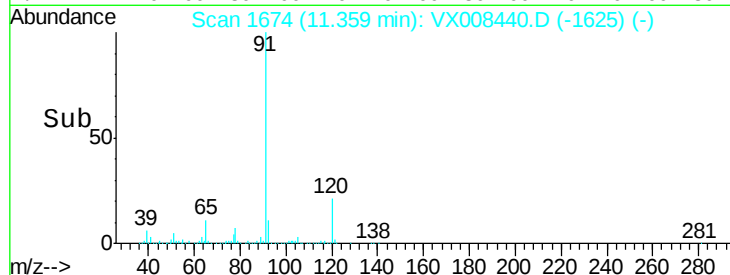
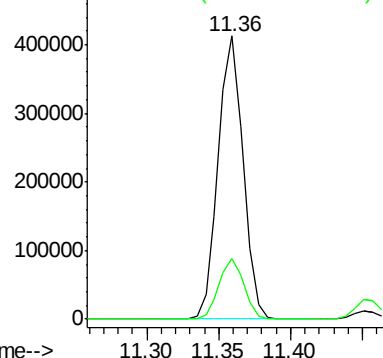
91 100

120 21.4 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 59.401 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.06 min

Lab File: VX008440.D

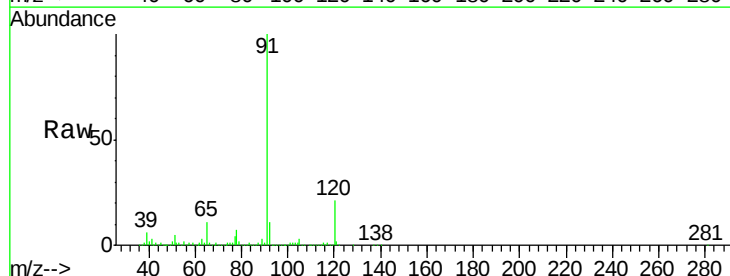
Acq: 26 Mar 2019 03:12

Tgt Ion: 91 Resp: 492821

Ion Ratio Lower Upper

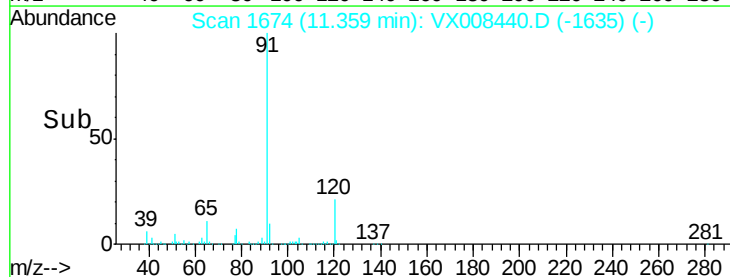
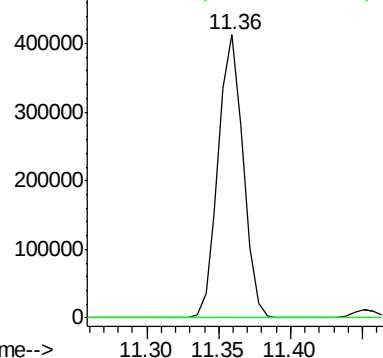
91 100

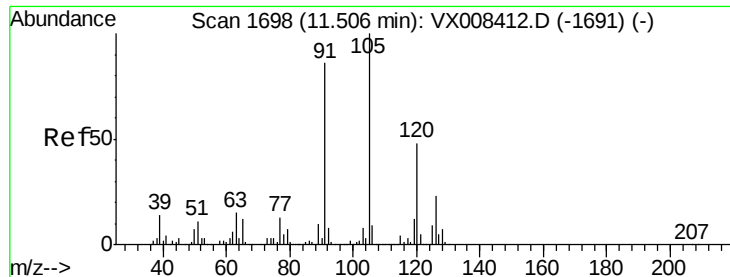
126 0.0 15.7 47.1#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 3.206 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

Instrument :

MSVOA_X

ClientSampleId :

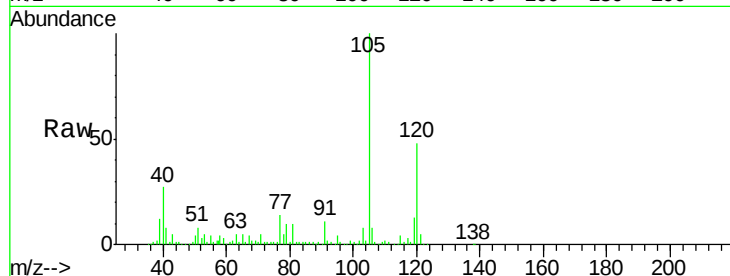
MW-2

Tot Ion:105 Resp: 31558

Ion Ratio Lower Upper

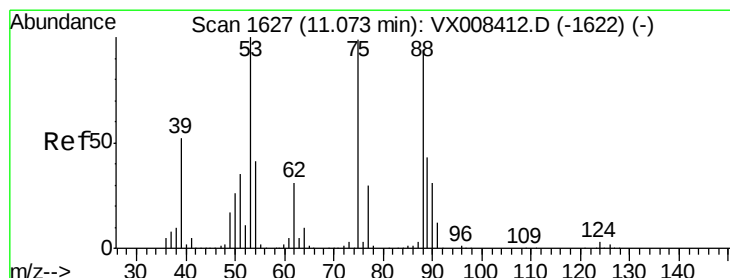
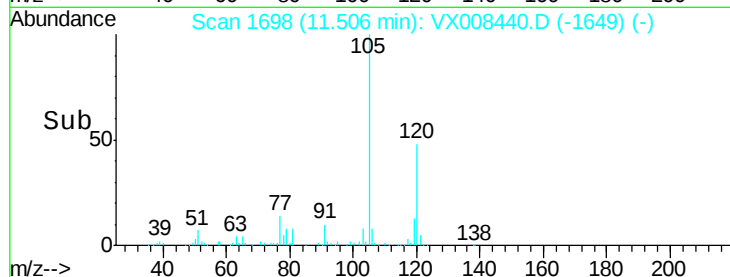
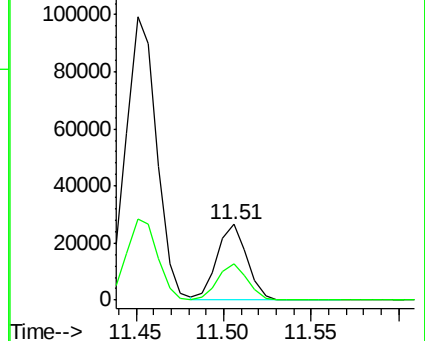
105 100

120 48.6 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 5.758 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.05 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

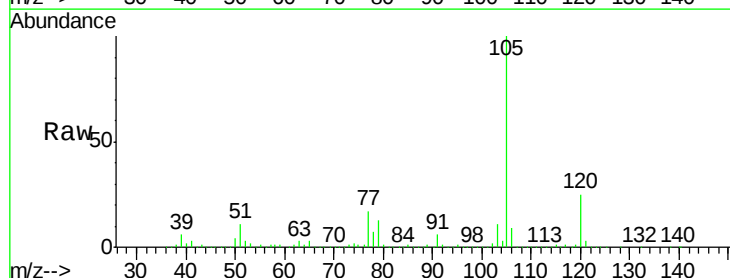
Tgt Ion: 75 Resp: 7650

Ion Ratio Lower Upper

75 100

53 123.8 82.1 123.1#

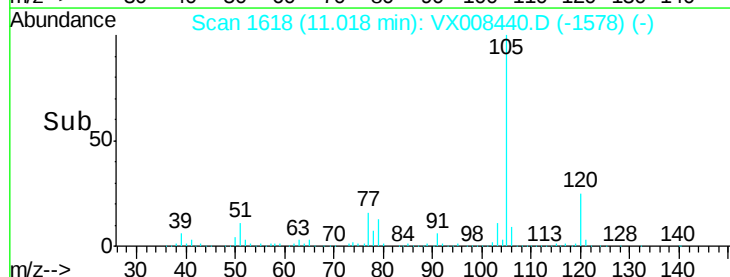
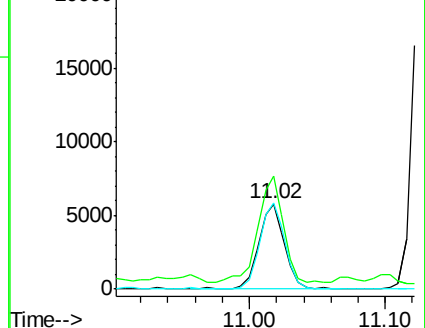
89 98.9 34.6 52.0#

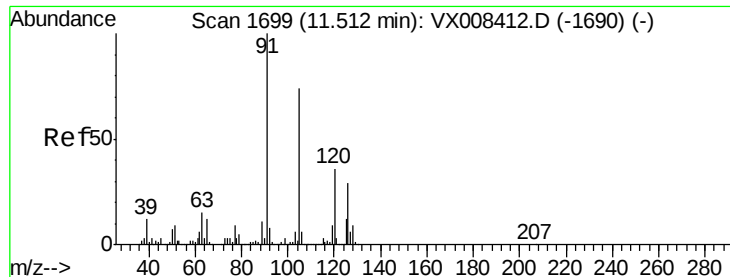


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#82

4-Chlorotoluene

Concen: 51.496 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.15 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

Instrument :

MSVOA_X

ClientSampleId :

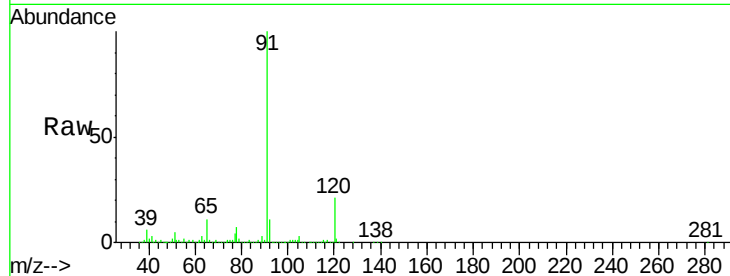
MW-2

Tot Ion: 91 Resp: 492821

Ion Ratio Lower Upper

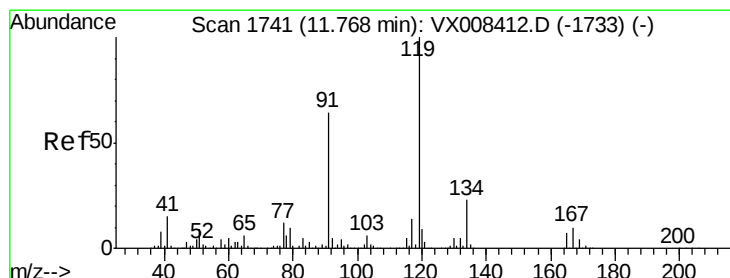
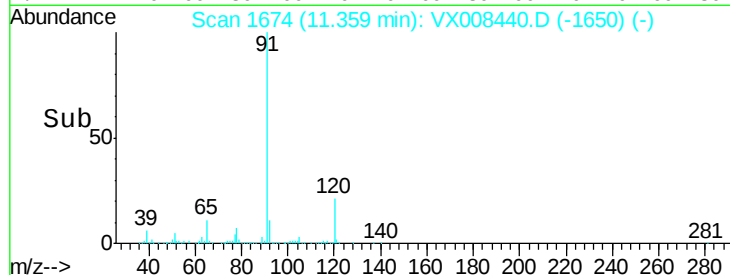
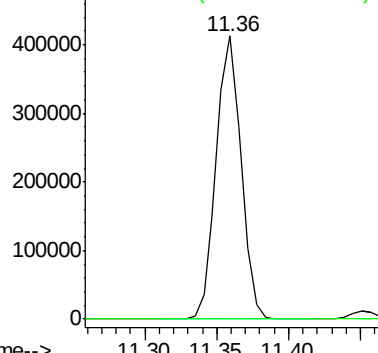
91 100

126 0.0 13.9 41.7#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#83

tert-Butylbenzene

Concen: 1.397 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

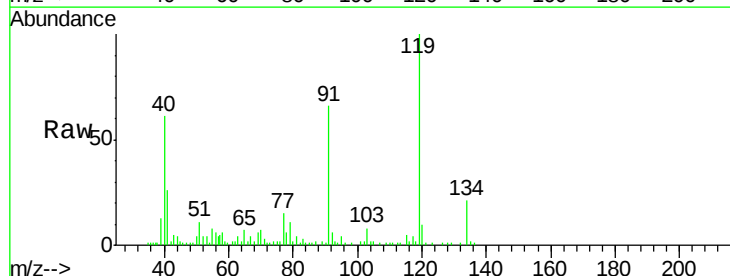
Tgt Ion: 119 Resp: 13267

Ion Ratio Lower Upper

119 100

91 66.9 30.1 90.3

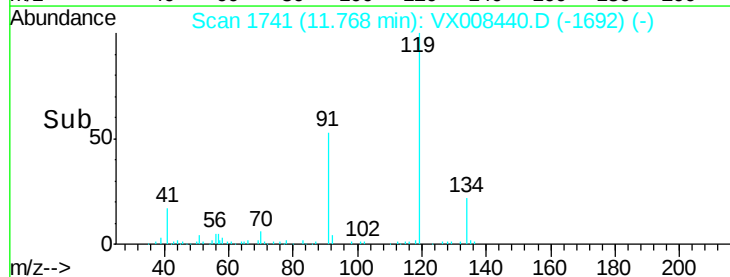
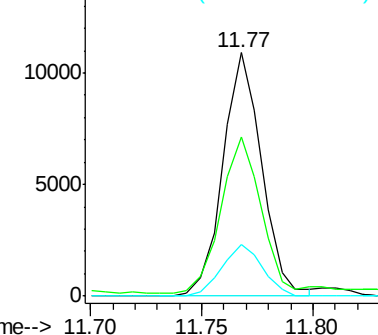
134 22.0 10.9 32.9

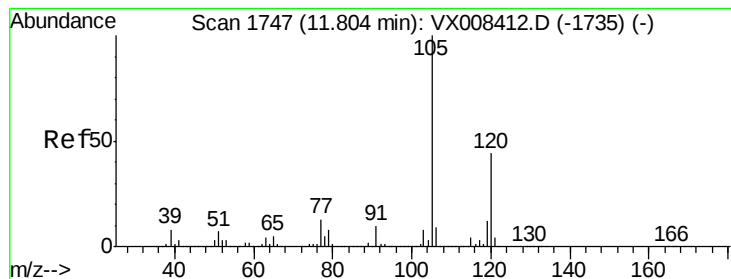


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V





#84

1,2,4-Trimethylbenzene

Concen: 31.733 ug/l

RT: 11.66 min Scan# 1724

Delta R.T. -0.14 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

Instrument :

MSVOA_X

ClientSampleId :

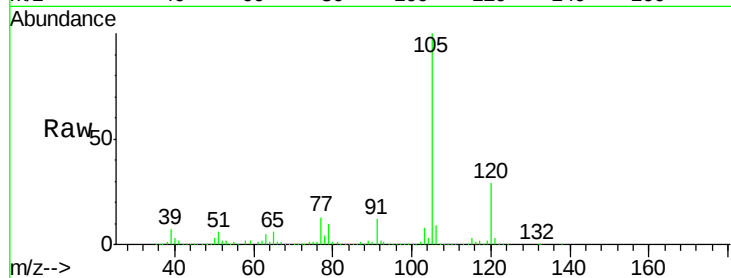
MW-2

Tot Ion:105 Resp: 315957

Ion Ratio Lower Upper

105 100

120 29.7 21.6 65.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

250000

200000

150000

100000

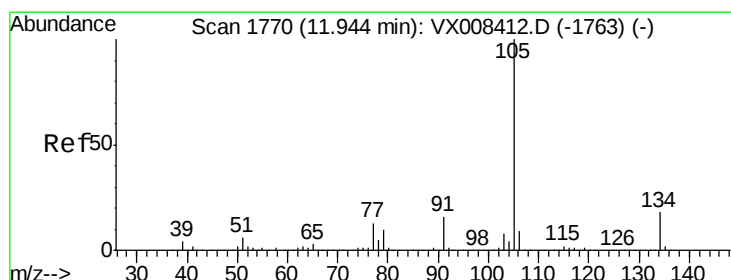
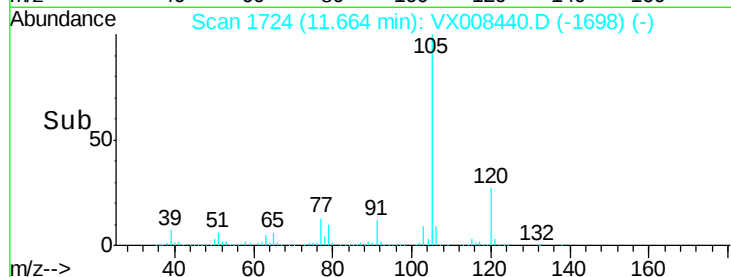
50000

0

11.60

11.70

Time-->



#85

sec-Butylbenzene

Concen: 4.164 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008440.D

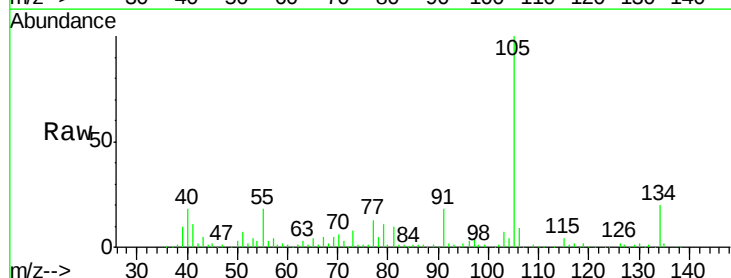
Acq: 26 Mar 2019 03:12

Tgt Ion:105 Resp: 47101

Ion Ratio Lower Upper

105 100

134 17.8 9.3 28.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

40000

30000

20000

10000

0

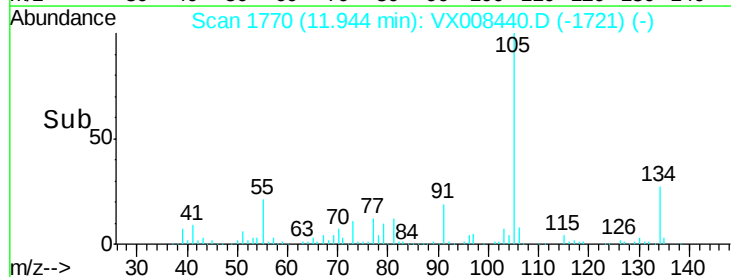
11.85

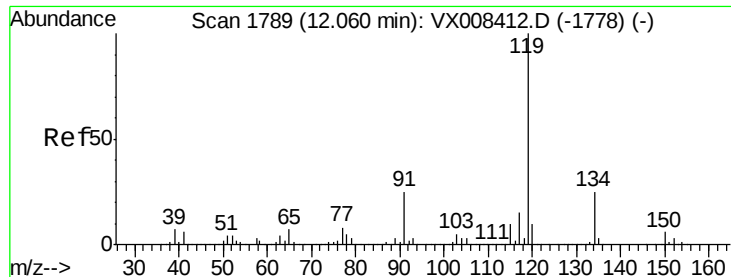
11.90

11.95

12.00

Time-->





#86

p-Isopropyltoluene

Concen: 2.883 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.04 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

Instrument :

MSVOA_X

ClientSampleId :

MW-2

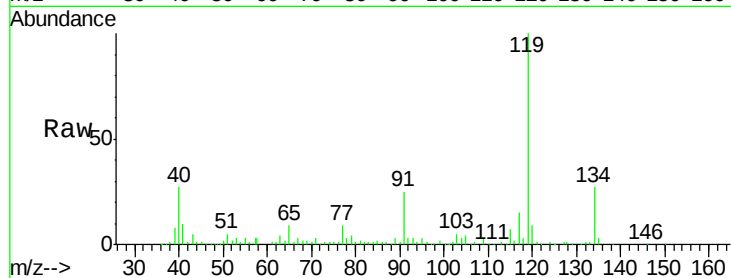
Tot Ion:119 Resp: 28772

Ion Ratio Lower Upper

119 100

134 27.6 12.8 38.4

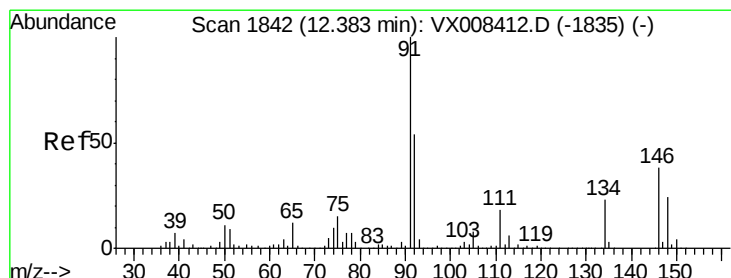
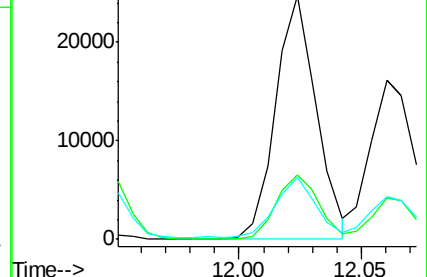
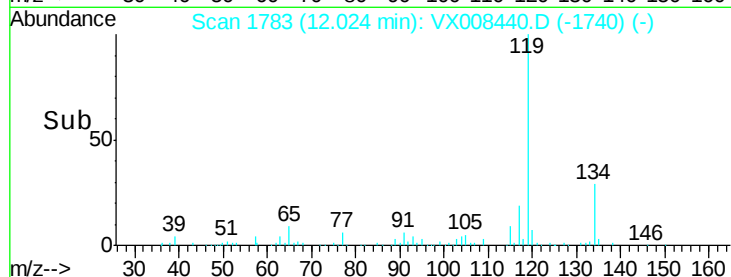
91 24.6 12.4 37.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#89

n-Butylbenzene

Concen: 8.649 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

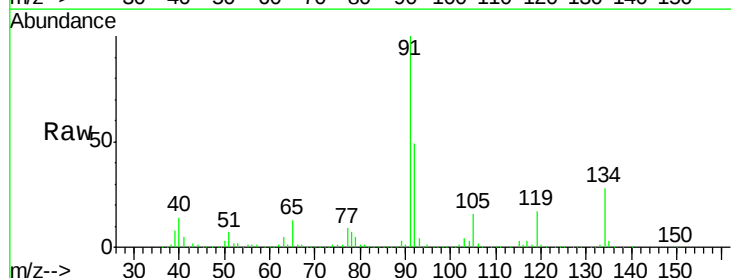
Tgt Ion: 91 Resp: 81773

Ion Ratio Lower Upper

91 100

92 42.1 26.5 79.5

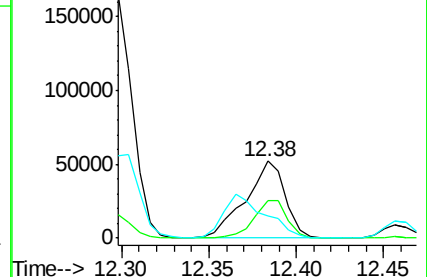
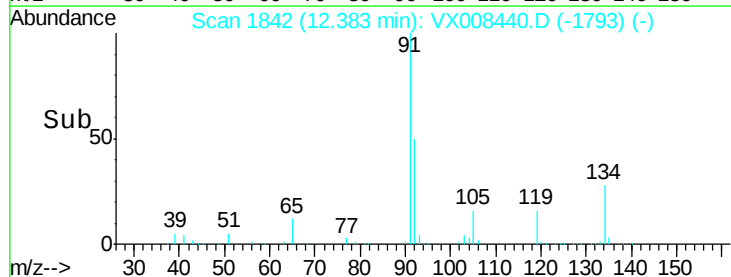
134 60.6 11.8 35.4#

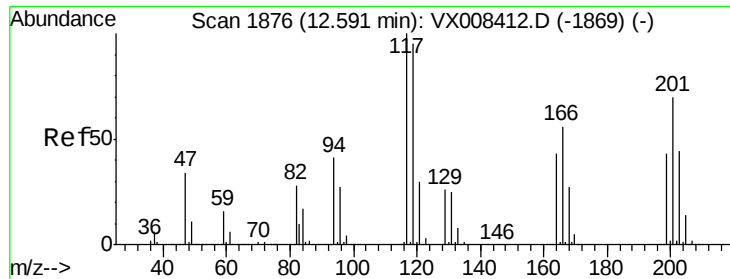


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 31.772 ug/l

RT: 12.66 min Scan# 1888

Delta R.T. 0.07 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

Instrument :

MSVOA_X

ClientSampleId :

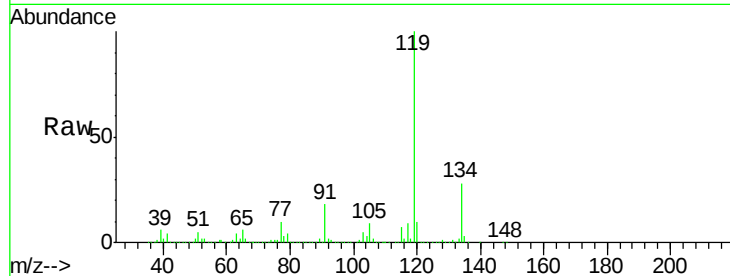
MW-2

Tot Ion:117 Resp: 52825

Ion Ratio Lower Upper

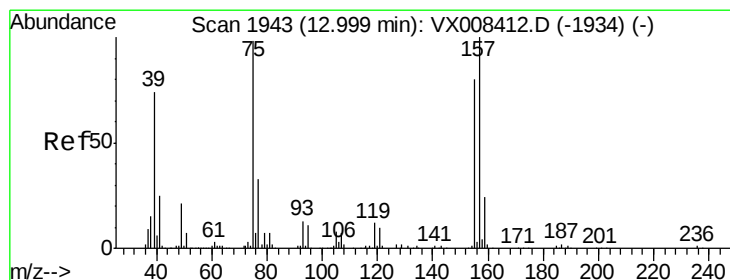
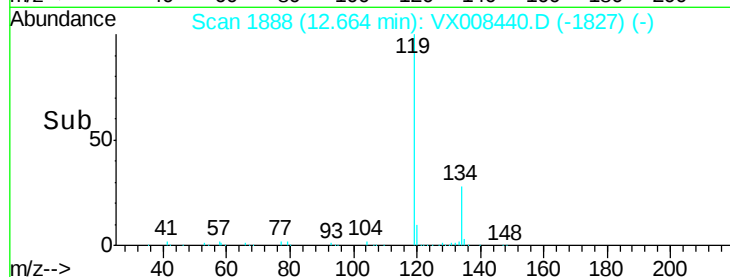
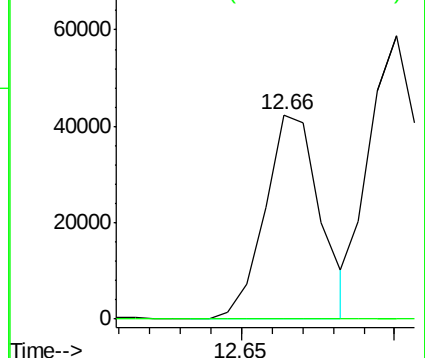
117 100

201 0.0 39.4 118.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.078 ug/l

RT: 12.97 min Scan# 1939

Delta R.T. -0.02 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

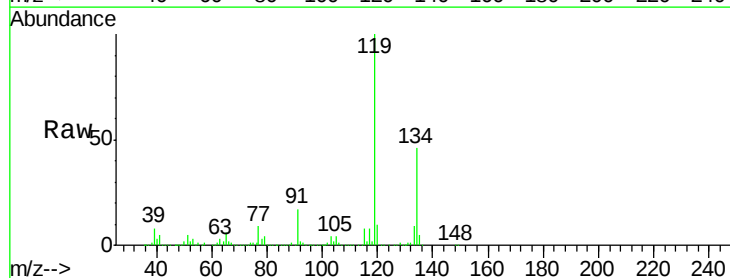
Tgt Ion: 75 Resp: 3032

Ion Ratio Lower Upper

75 100

155 0.0 39.5 118.5#

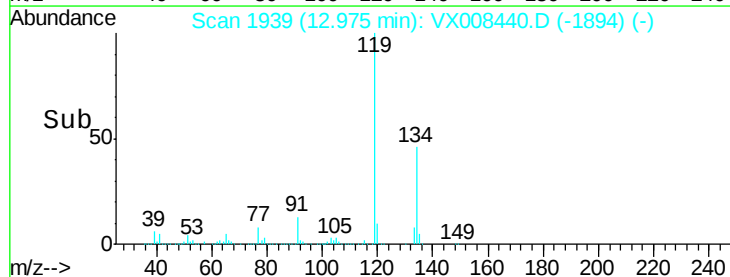
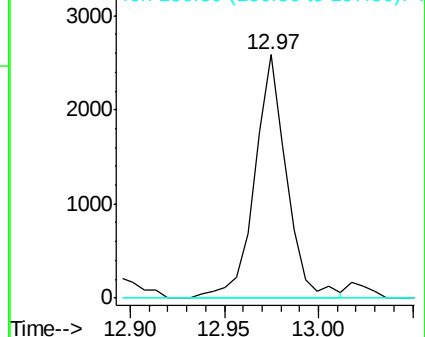
157 0.0 49.9 149.7#

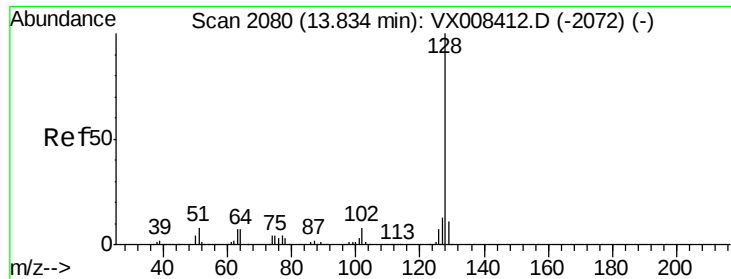


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

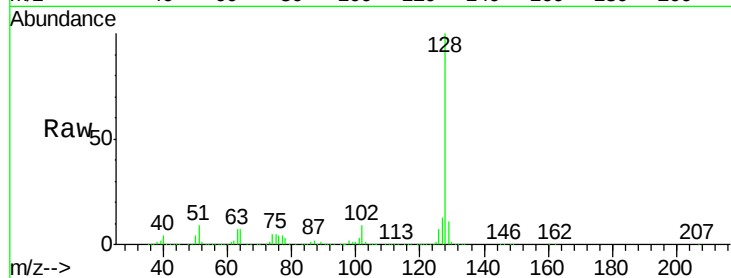




#95
Naphthalene
Concen: 20.445 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX008440.D
Acq: 26 Mar 2019 03:12

Instrument :
MSVOA_X
ClientSampleId :
MW-2

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.5	8.7	13.1



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

