

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102220\
 Data File : VX019039.D
 Acq On : 22 Oct 2020 19:44
 Operator : JC/SP
 Sample : L4417-16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5

Quant Time: Oct 23 08:34:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 22 17:51:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	285953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	497027	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	494654	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	268007	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	172122	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
35) Dibromofluoromethane	5.46	113	153110	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
50) Toluene-d8	8.70	98	638321	53.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.32%	
62) 4-Bromofluorobenzene	11.12	95	248675	58.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.44%	

Target Compounds

					Qvalue	
3) Chloromethane	1.31	50	619	0.219	ug/l	91
5) Bromomethane	1.64	94	198	Below Cal	#	76
6) Chloroethane	1.78	64	222	1.349	ug/l #	1
11) Tert butyl alcohol	3.01	59	1231332	1774.955	ug/l	100
13) Acrolein	2.25	56	116969	436.394	ug/l #	1
14) Allyl chloride	2.79	41	259245	72.001	ug/l #	11
15) Acrylonitrile	3.15	53	14210	10.593	ug/l #	35
16) Acetone	2.37	43	83439	71.518	ug/l #	49
18) Methyl Acetate	2.82	43	208266	71.937	ug/l #	44
19) Methyl tert-butyl Ether	3.17	73	792024	89.836	ug/l #	66
20) Methylene Chloride	2.76	84	2976	0.916	ug/l #	8
23) Vinyl Acetate	3.79	43	18348	2.722	ug/l #	71
24) 1,1-Dichloroethane	3.79	63	7760	1.501	ug/l #	80
25) 2-Butanone	4.64	43	6836	3.708	ug/l	96
29) Tetrahydrofuran	5.28	42	12741	11.563	ug/l #	22
30) Chloroform	5.25	83	55798	9.940	ug/l #	22
31) Cyclohexane	5.55	56	298444	74.404	ug/l	97
36) 1,1-Dichloropropene	5.63	75	20804	4.665	ug/l #	48
37) Ethyl Acetate	4.85	43	926	0.243	ug/l #	1
38) Carbon Tetrachloride	5.63	117	27710	5.920	ug/l #	16
39) Methylcyclohexane	7.44	83	186728	37.371	ug/l	96
40) Benzene	6.12	78	10498707	799.312	ug/l	98
41) Methacrylonitrile	4.98	41	1494	0.731	ug/l #	22
42) 1,2-Dichloroethane	6.12	62	85738	19.127	ug/l #	72
43) Isopropyl Acetate	6.43	43	8211	1.274	ug/l #	55
45) 1,2-Dichloropropane	7.43	63	2234	0.709	ug/l #	1
47) Bromodichloromethane	7.93	83	15955	3.391	ug/l #	27
48) Methyl methacrylate	7.76	41	5237	1.649	ug/l #	78
49) 1,4-Dioxane	7.59	88	39	0.543	ug/l #	29
51) 4-Methyl-2-Pentanone	8.60	43	3335	0.878	ug/l #	78
52) Toluene	8.77	92	624605	71.998	ug/l	98
53) t-1,3-Dichloropropene	9.10	75	3788	0.713	ug/l #	43
55) 1,1,2-Trichloroethane	9.15	97	21216	5.999	ug/l #	20
56) Ethyl methacrylate	9.15	69	5155	1.013	ug/l #	63

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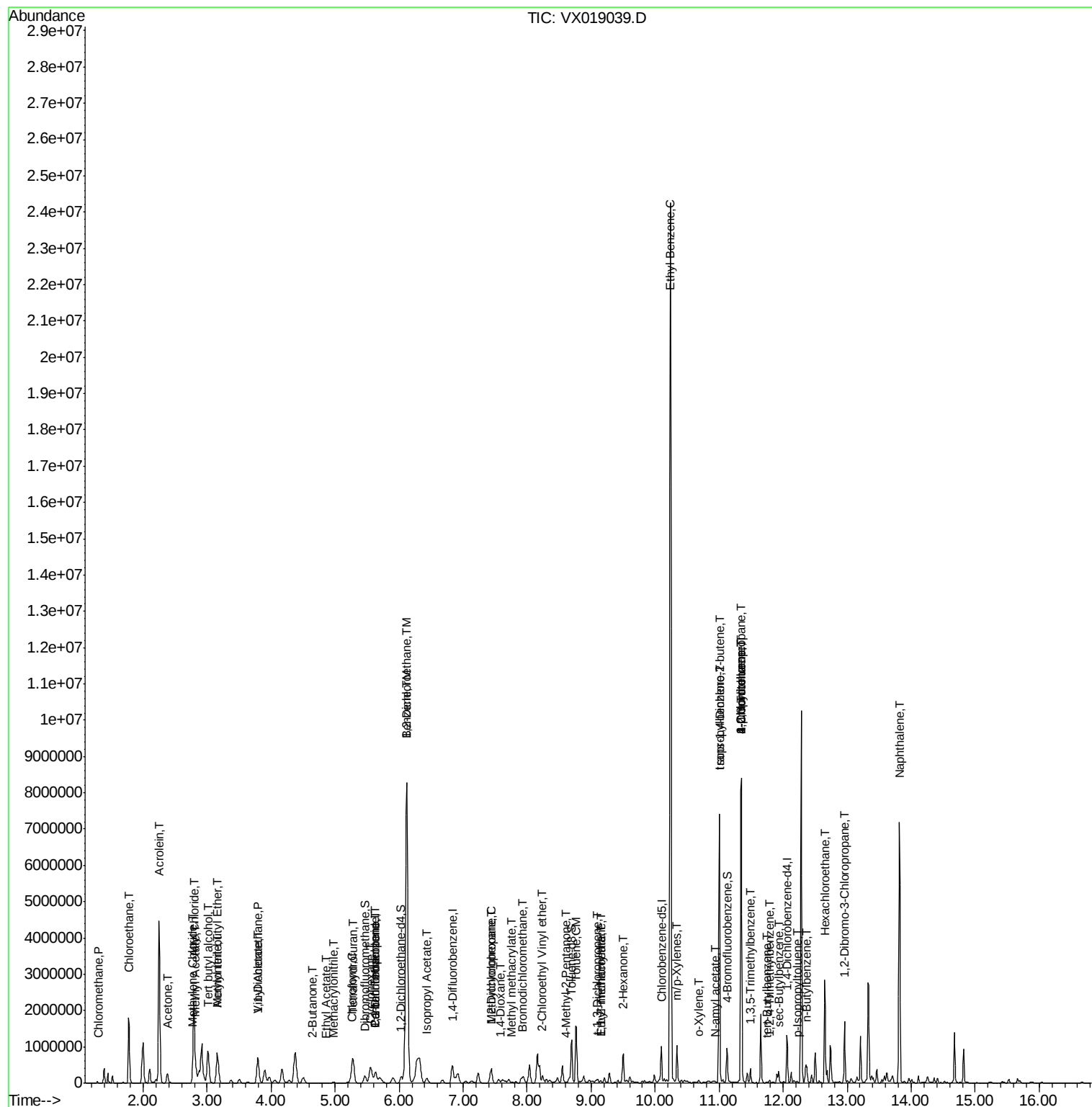
58) 2-Chloroethyl Vinyl ether	8.24	63	1401	0.524	ug/l #	42
59) 2-Hexanone	9.49	43	29718	10.498	ug/l	68
67) Ethyl Benzene	10.24	91	12922782	722.540	ug/l #	73
68) m/p-Xylenes	10.34	106	246304	35.951	ug/l	100
69) o-Xylene	10.68	106	9670	1.475	ug/l	92
73) Isopropylbenzene	11.01	105	4090366	212.158	ug/l	98
74) N-amyl acetate	10.93	43	22943	3.714	ug/l #	61
76) 1,2,3-Trichloropropane	11.35	75	30746	5.740	ug/l #	1
78) n-propylbenzene	11.35	91	5307978	242.967	ug/l	98
79) 2-Chlorotoluene	11.35	91	5307978	416.479	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.49	105	174062	10.933	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.00	75	43073	20.487	ug/l #	56
82) 4-Chlorotoluene	11.35	91	5307978	350.019	ug/l #	44
83) tert-Butylbenzene	11.76	119	3597	0.229	ug/l #	32
84) 1,2,4-Trimethylbenzene	11.79	105	27788	1.743	ug/l	96
85) sec-Butylbenzene	11.93	105	170202	8.968	ug/l	99
86) p-Isopropyltoluene	12.22	119	21116	1.218	ug/l #	77
89) n-Butylbenzene	12.37	91	212081	13.361	ug/l #	77
90) Hexachloroethane	12.65	117	122161	46.015	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.96	75	4970	3.758	ug/l #	1
95) Naphthalene	13.82	128	4438953	231.558	ug/l	99

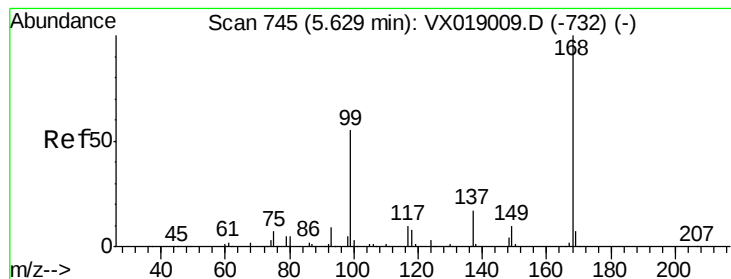
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX019039.D

Acq: 22 Oct 2020 19:44

Instrument :

MSVOA_X

ClientSampleId :

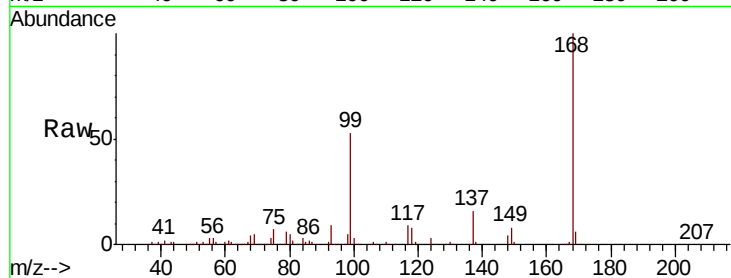
MW-5

Tot Ion:168 Resp: 285953

Ion Ratio Lower Upper

168 100

99 52.7 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

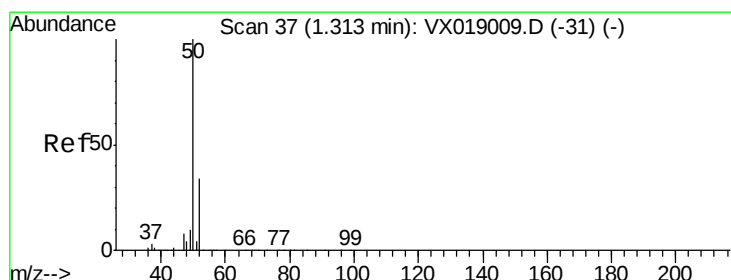
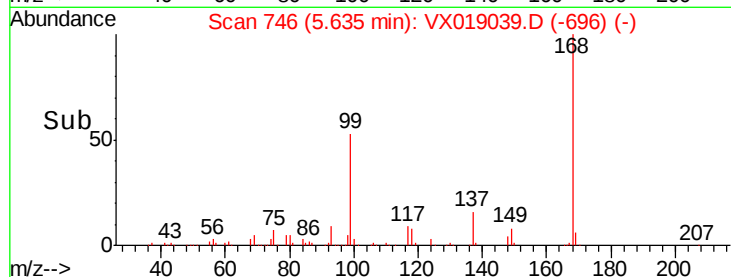
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.219 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019039.D

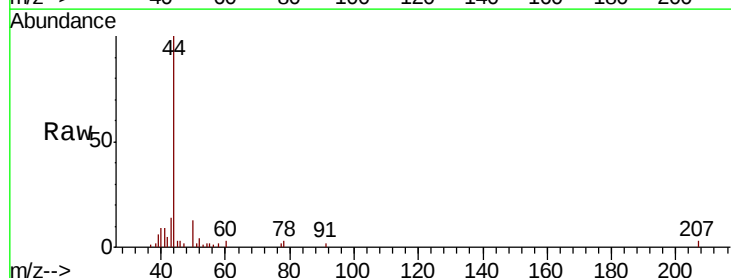
Acq: 22 Oct 2020 19:44

Tgt Ion: 50 Resp: 619

Ion Ratio Lower Upper

50 100

52 38.8 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

2500

2000

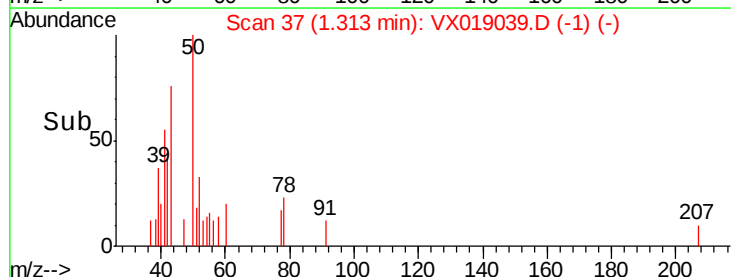
1500

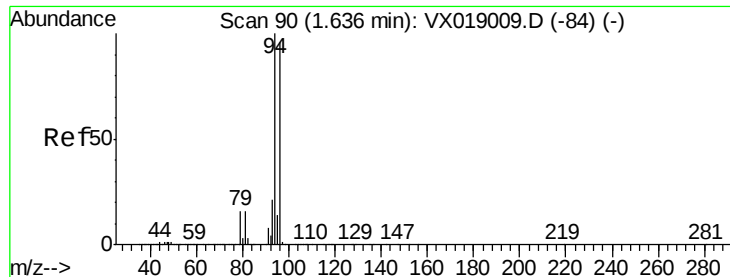
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX019039.D

Acq: 22 Oct 2020 19:44

Instrument :

MSVOA_X

ClientSampled :

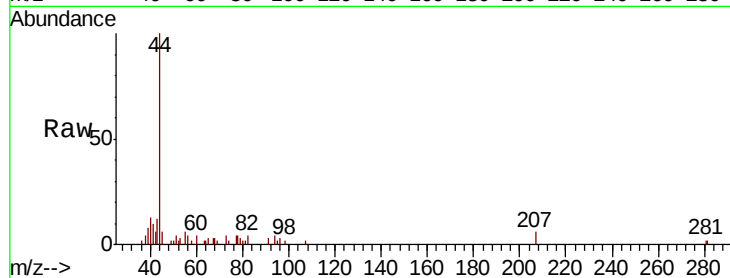
MW-5

Tot Ion: 94 Resp: 198

Ion Ratio Lower Upper

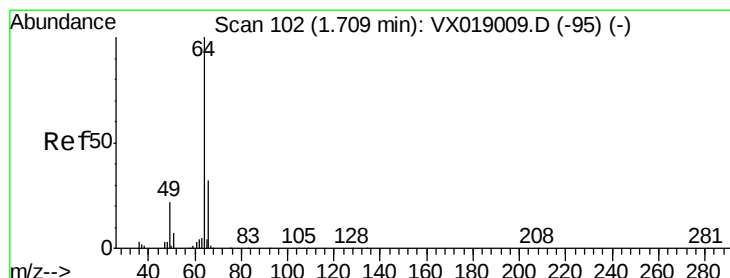
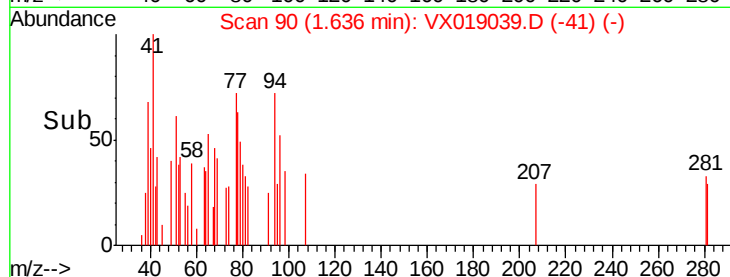
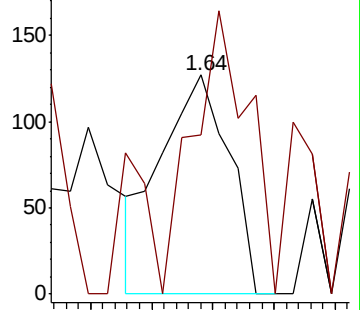
94 100

96 72.4 77.1 115.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 1.349 ug/l

RT: 1.78 min Scan# 114

Delta R.T. 0.07 min

Lab File: VX019039.D

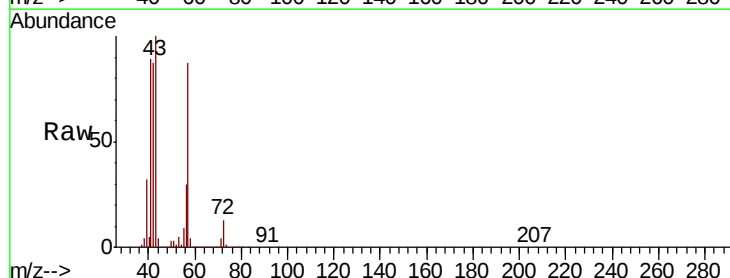
Acq: 22 Oct 2020 19:44

Tgt Ion: 64 Resp: 222

Ion Ratio Lower Upper

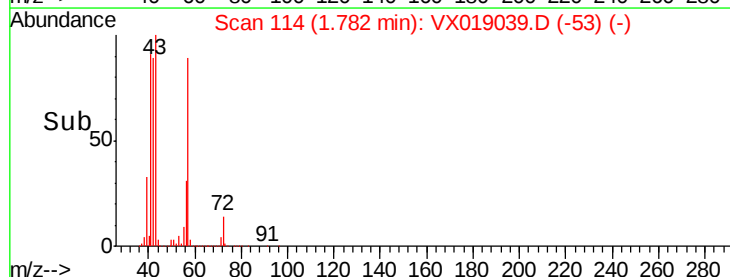
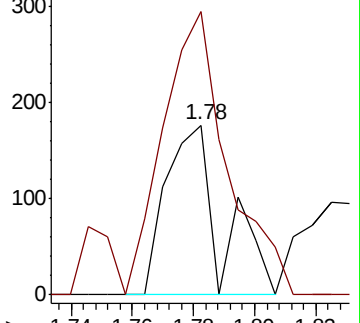
64 100

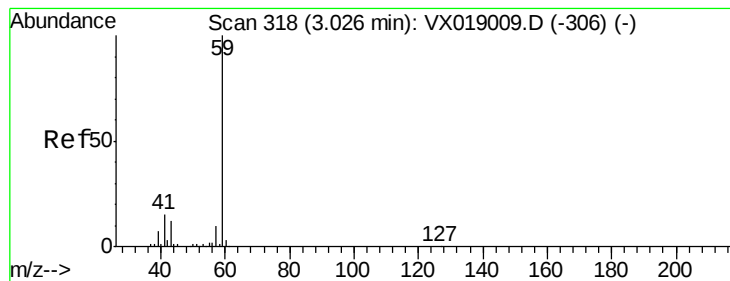
66 166.7 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#11

Tert butyl alcohol
 Concen: 1774.955 ug/l
 RT: 3.01 min Scan# 316
 Delta R.T. -0.01 min
 Lab File: VX019039.D
 Acq: 22 Oct 2020 19:44

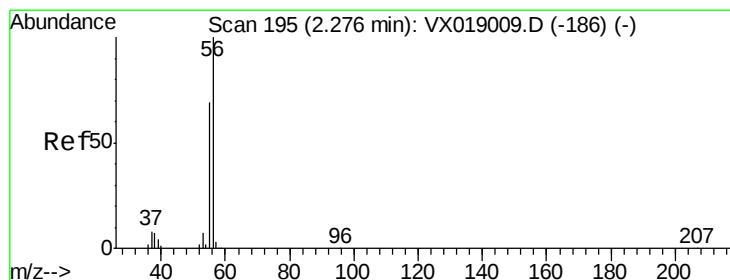
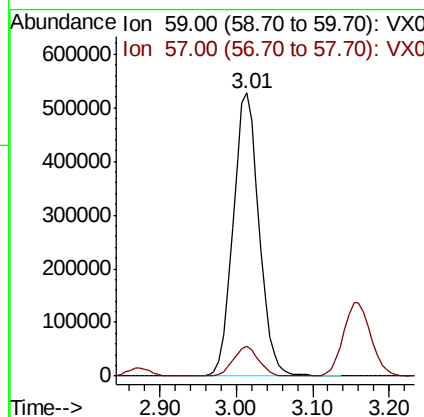
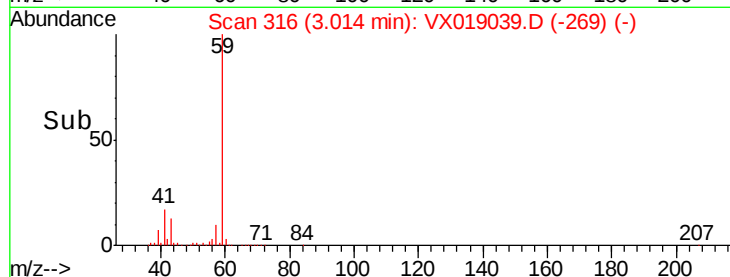
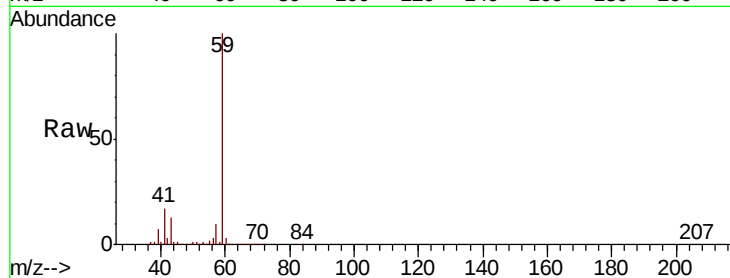
Instrument :
 MSVOA_X
 ClientSampled :
 MW-5

Tot Ion: 59 Resp: 1231332

Ion Ratio Lower Upper

59 100

57 10.3 8.2 12.2



#13

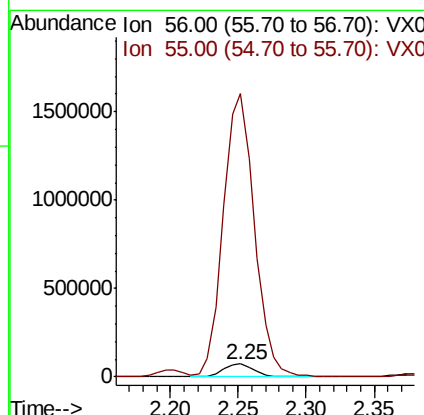
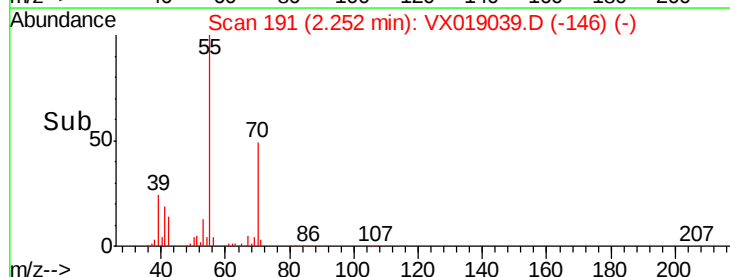
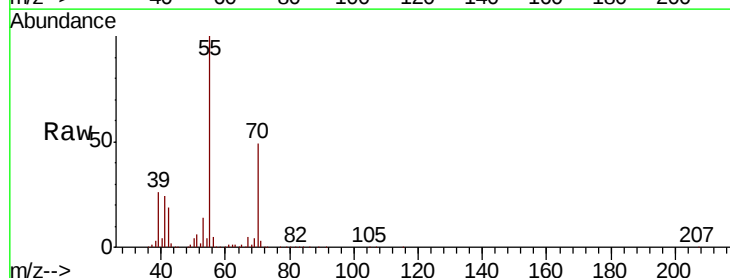
Acrolein
 Concen: 436.394 ug/l
 RT: 2.25 min Scan# 191
 Delta R.T. -0.02 min
 Lab File: VX019039.D
 Acq: 22 Oct 2020 19:44

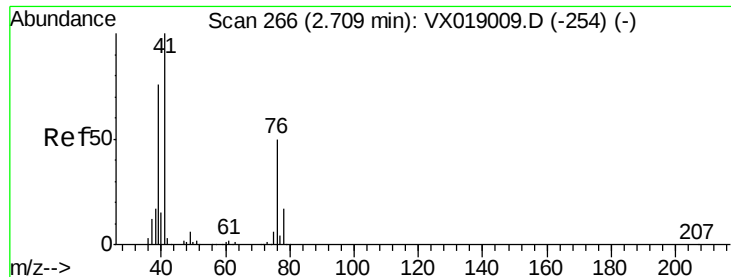
Tgt Ion: 56 Resp: 116969

Ion Ratio Lower Upper

56 100

55 2176.1 54.2 81.4#

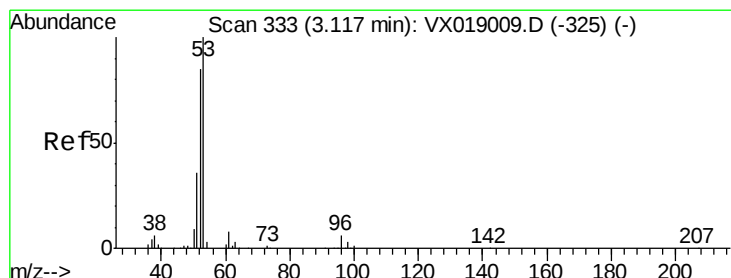
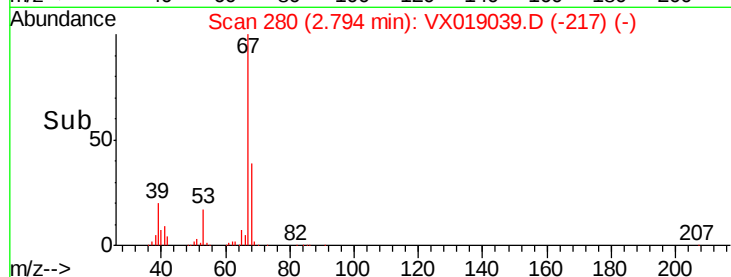
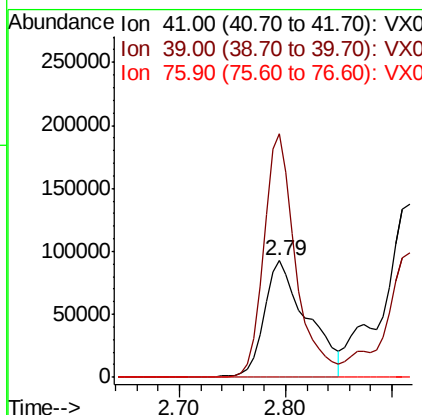
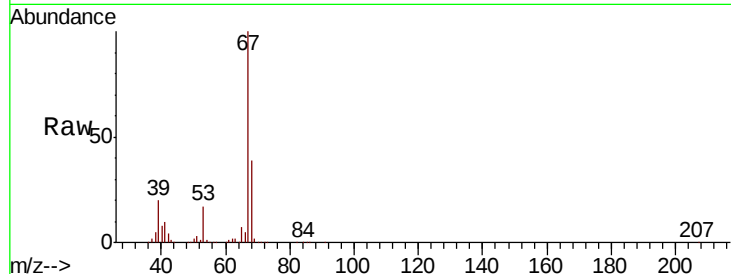




#14
Allvl chloride
Concen: 72.001 ug/l
RT: 2.79 min Scan# 280
Delta R.T. 0.09 min
Lab File: VX019039.D
Acq: 22 Oct 2020 19:44

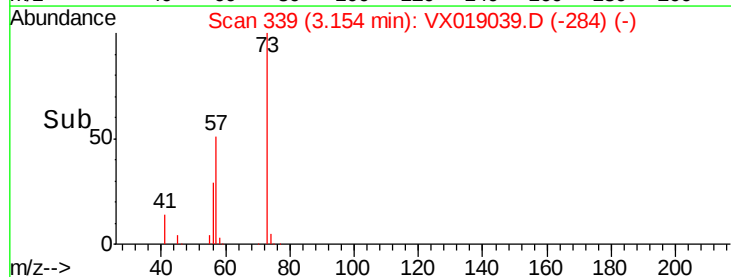
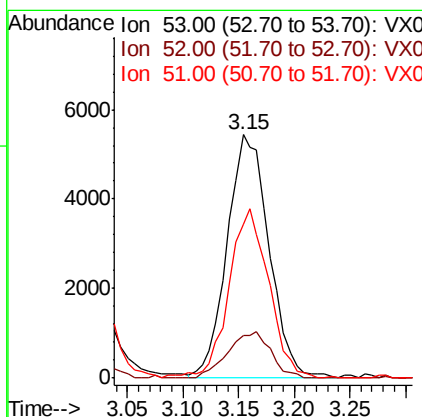
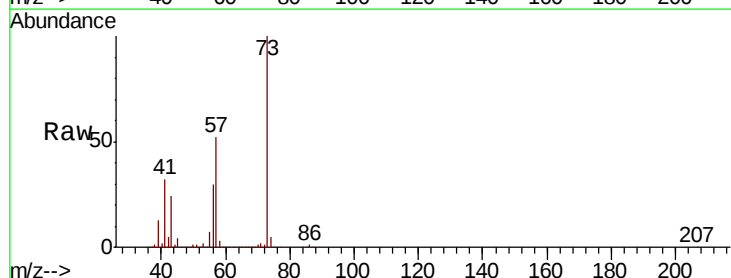
Instrument :
MSVOA_X
ClientSampled :
MW-5

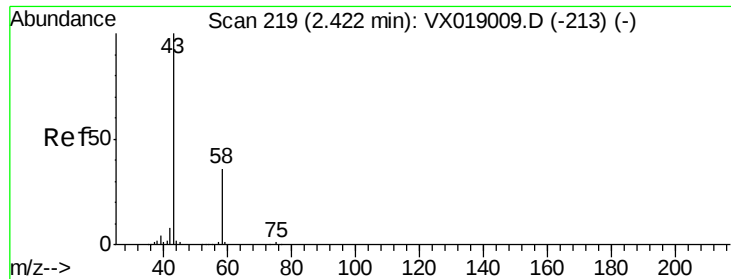
Tot Ion: 41 Resp: 259245
Ion Ratio Lower Upper
41 100
39 155.7 57.4 86.0#
76 0.0 37.7 56.5#



#15
Acrylonitrile
Concen: 10.593 ug/l
RT: 3.15 min Scan# 339
Delta R.T. 0.04 min
Lab File: VX019039.D
Acq: 22 Oct 2020 19:44

Tgt Ion: 53 Resp: 14210
Ion Ratio Lower Upper
53 100
52 19.6 65.9 98.9#
51 66.4 28.3 42.5#





#16

Acetone

Concen: 71.518 ug/l

RT: 2.37 min Scan# 211

Delta R.T. -0.05 min

Lab File: VX019039.D

Acq: 22 Oct 2020 19:44

Instrument :

MSVOA_X

ClientSampleId :

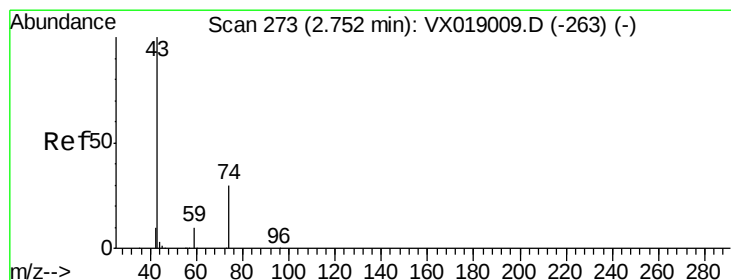
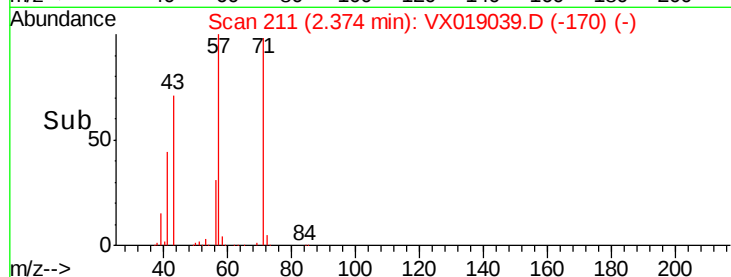
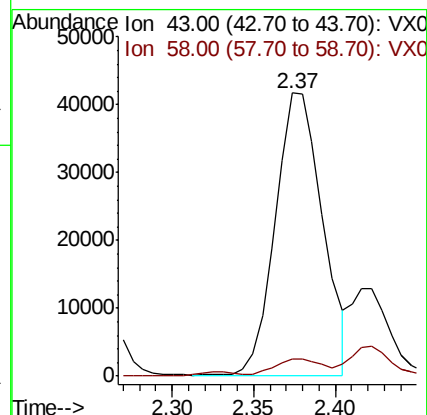
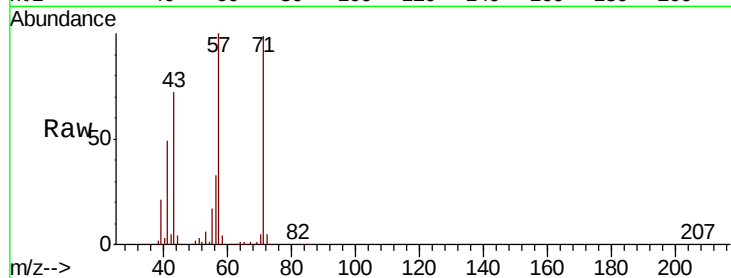
MW-5

Tot Ion: 43 Resp: 83439

Ion Ratio Lower Upper

43 100

58 5.7 28.6 42.8#



#18

Methyl Acetate

Concen: 71.937 ug/l

RT: 2.82 min Scan# 285

Delta R.T. 0.07 min

Lab File: VX019039.D

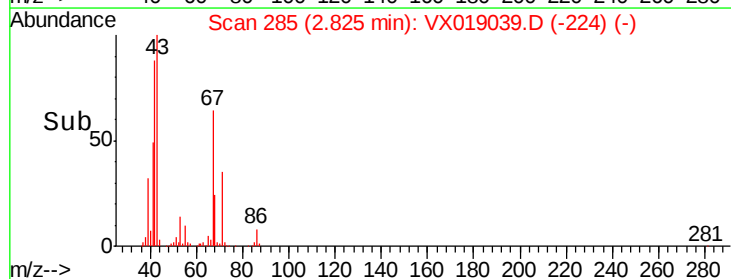
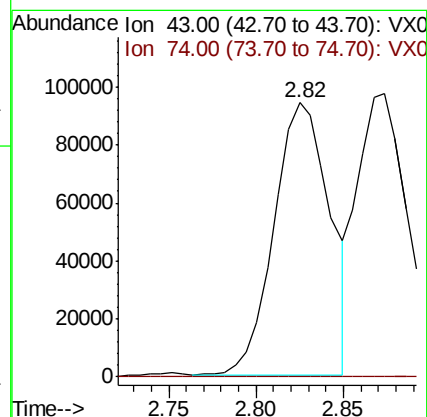
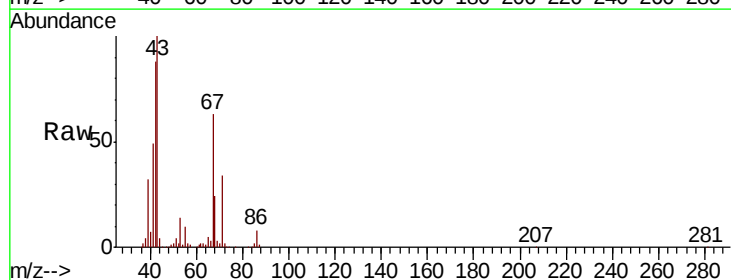
Acq: 22 Oct 2020 19:44

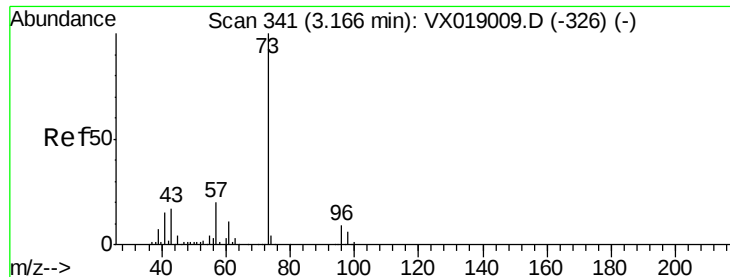
Tgt Ion: 43 Resp: 208266

Ion Ratio Lower Upper

43 100

74 0.0 24.9 37.3#

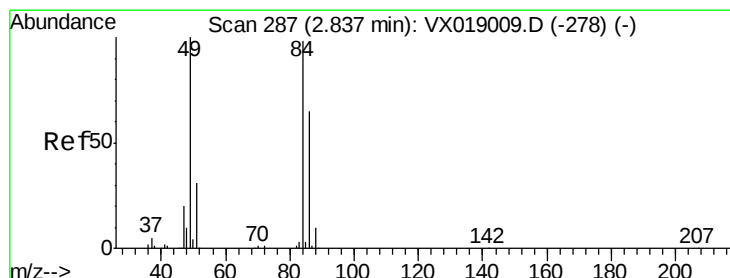
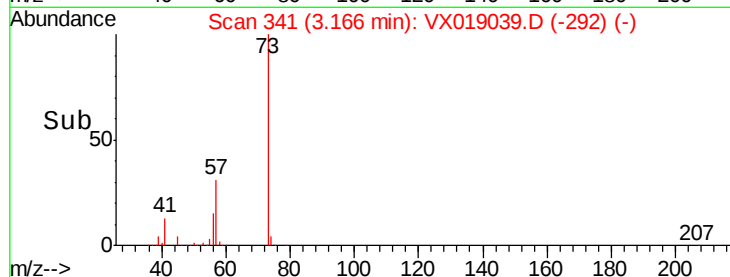
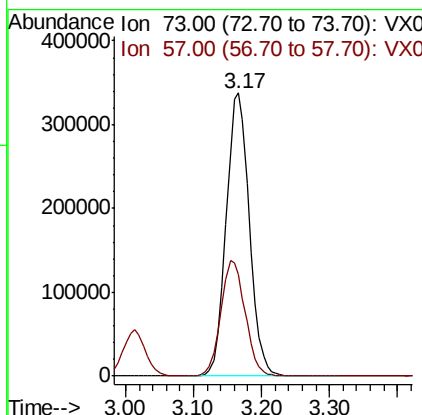
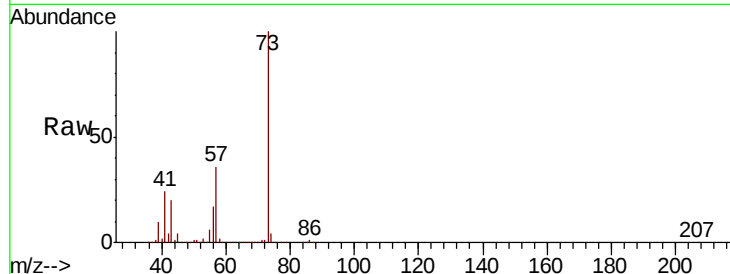




#19
Methyl tert-butyl Ether
Concen: 89.836 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX019039.D
Acq: 22 Oct 2020 19:44

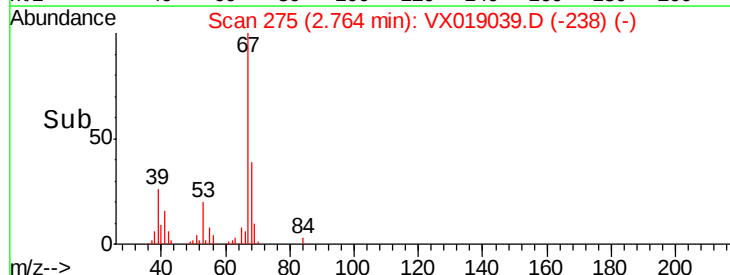
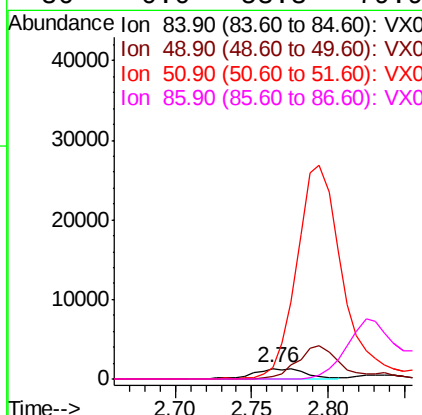
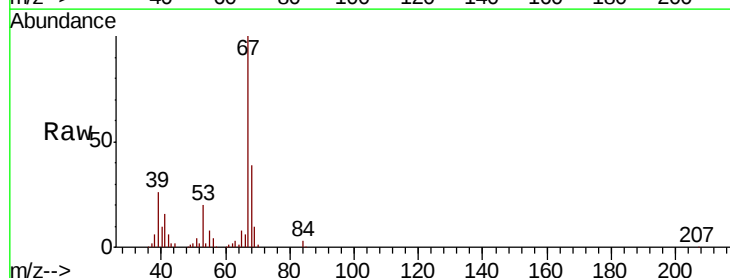
Instrument :
MSVOA_X
ClientSampled :
MW-5

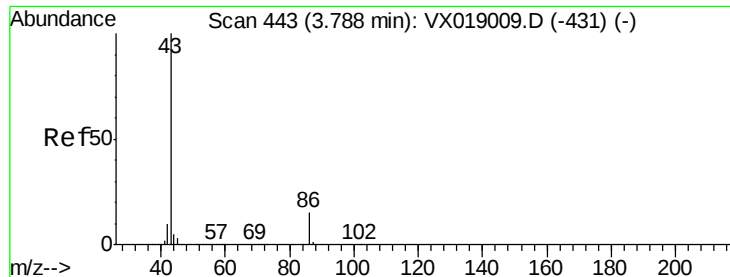
Tot Ion: 73 Resp: 792024
Ion Ratio Lower Upper
73 100
57 35.8 16.2 24.2#



#20
Methylene Chloride
Concen: 0.916 ug/l
RT: 2.76 min Scan# 275
Delta R.T. -0.07 min
Lab File: VX019039.D
Acq: 22 Oct 2020 19:44

Tgt Ion: 84 Resp: 2976
Ion Ratio Lower Upper
84 100
49 19.5 81.6 122.4#
51 113.1 25.6 38.4#
86 0.0 53.3 79.9#





#23

Vinyl Acetate

Concen: 2.722 ug/l

RT: 3.79 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX019039.D

Acq: 22 Oct 2020 19:44

Instrument :

MSVOA_X

ClientSampleId :

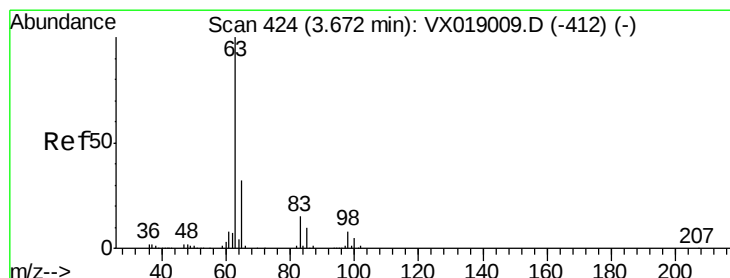
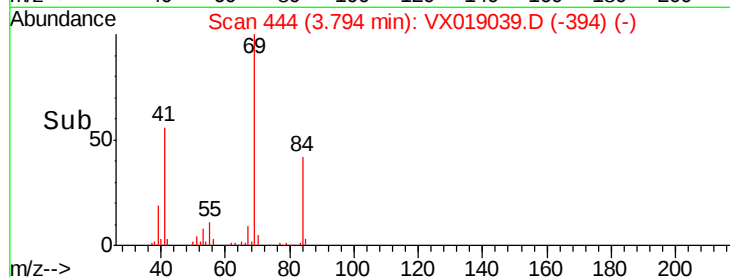
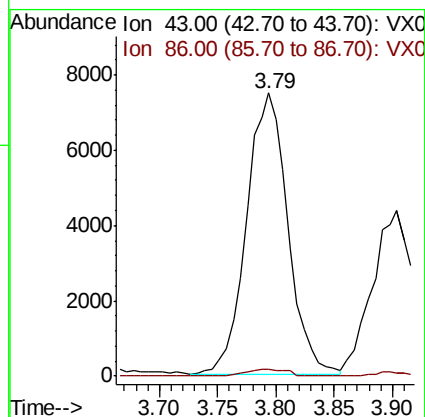
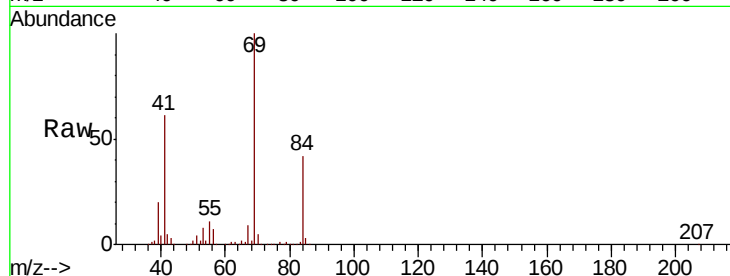
MW-5

Tot Ion: 43 Resp: 18348

Ion Ratio Lower Upper

43 100

86 2.7 11.7 17.5#



#24

1,1-Dichloroethane

Concen: 1.501 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.12 min

Lab File: VX019039.D

Acq: 22 Oct 2020 19:44

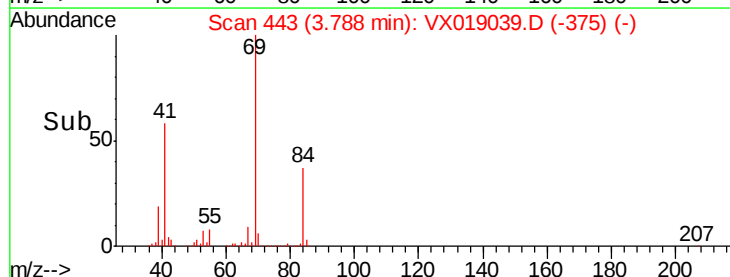
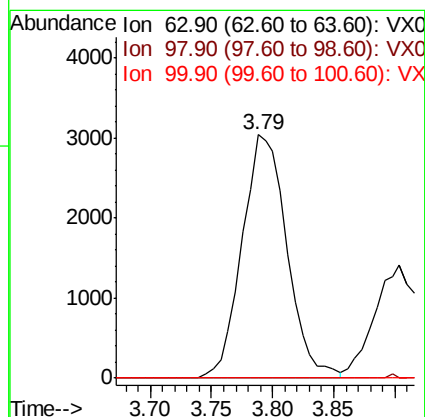
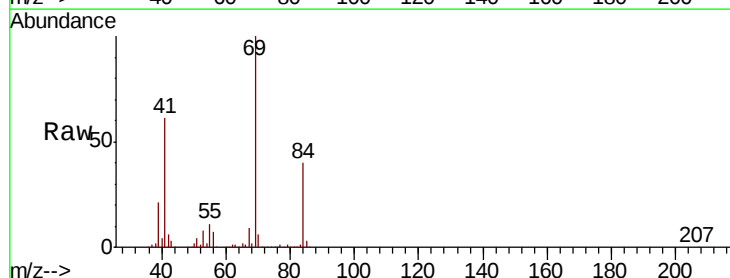
Tgt Ion: 63 Resp: 7760

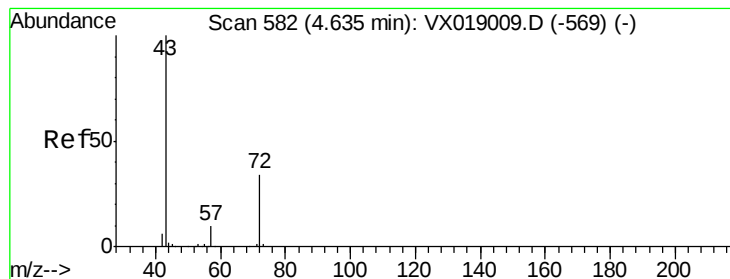
Ion Ratio Lower Upper

63 100

98 0.0 4.0 12.0#

100 0.0 2.5 7.4#





#25

2-Butanone

Concen: 3.708 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX019039.D

Acq: 22 Oct 2020 19:44

Instrument :

MSVOA_X

ClientSampleId :

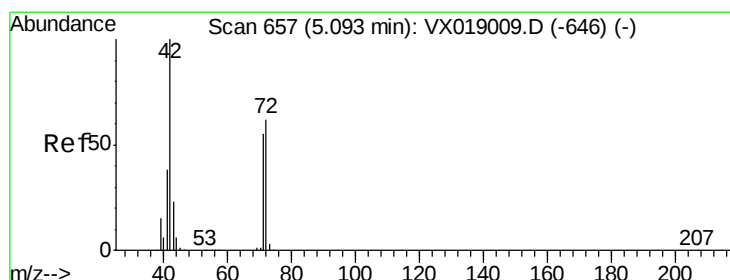
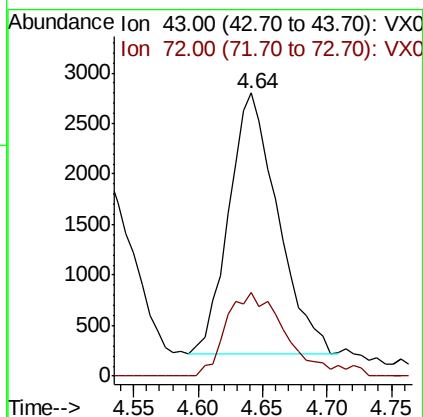
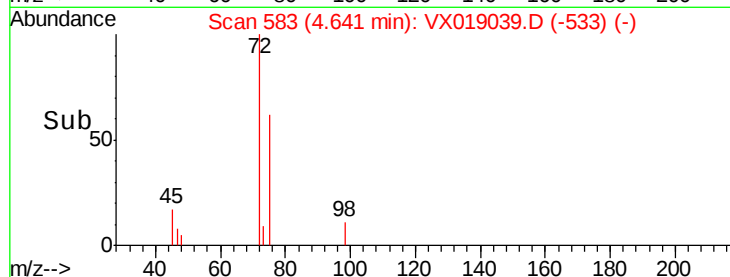
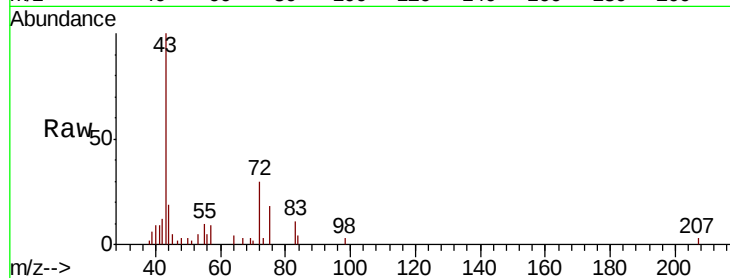
MW-5

Tot Ion: 43 Resp: 6836

Ion Ratio Lower Upper

43 100

72 32.1 27.8 41.6



#29

Tetrahydrofuran

Concen: 11.563 ug/l

RT: 5.28 min Scan# 687

Delta R.T. 0.18 min

Lab File: VX019039.D

Acq: 22 Oct 2020 19:44

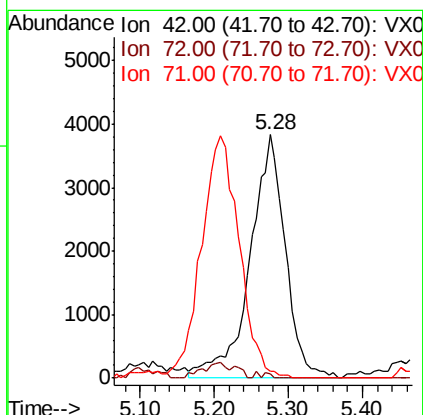
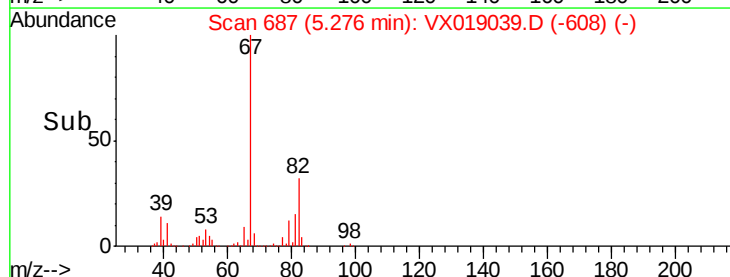
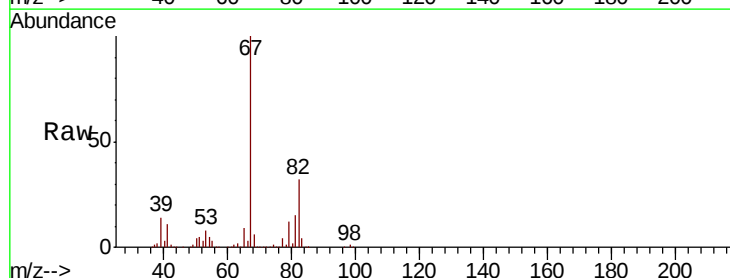
Tgt Ion: 42 Resp: 12741

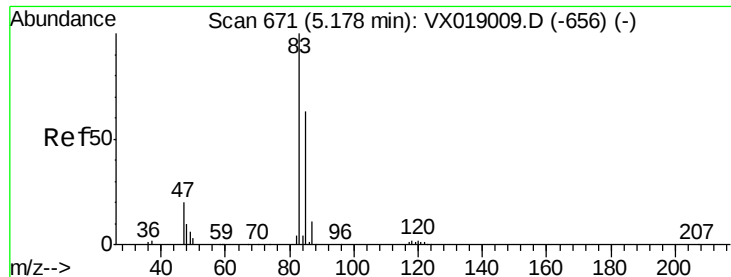
Ion Ratio Lower Upper

42 100

72 0.3 49.1 73.7#

71 0.0 44.2 66.4#

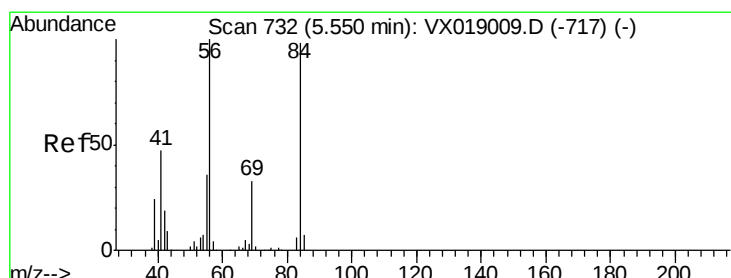
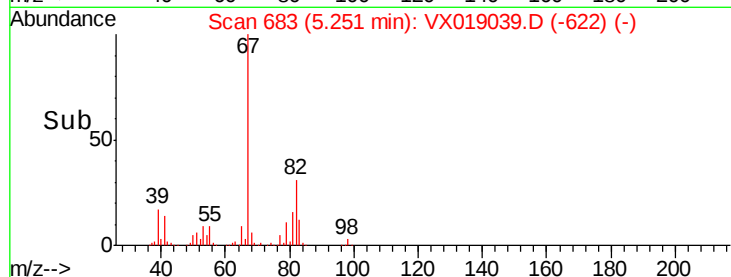
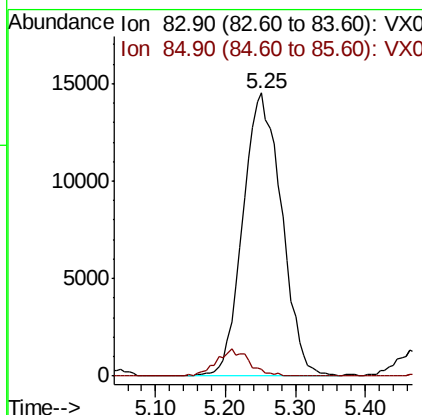
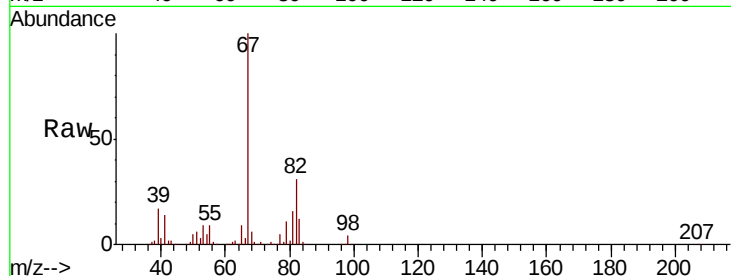




#30
Chloroform
Concen: 9.940 ug/l
RT: 5.25 min Scan# 683
Delta R.T. 0.07 min
Lab File: VX019039.D
Acq: 22 Oct 2020 19:44

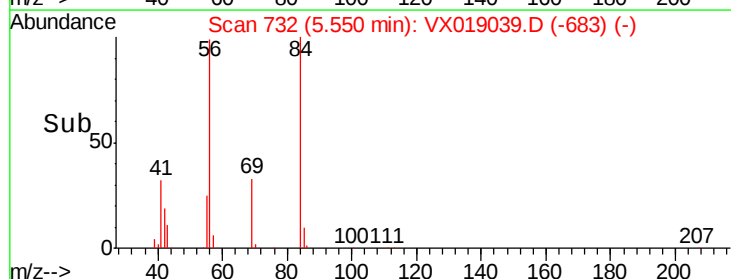
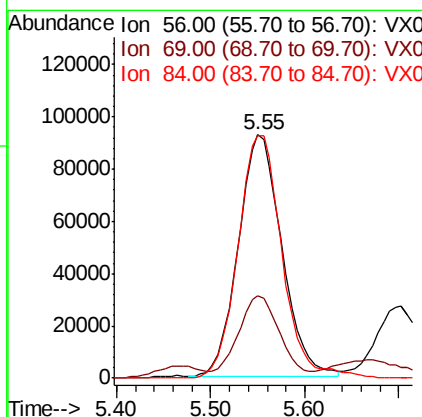
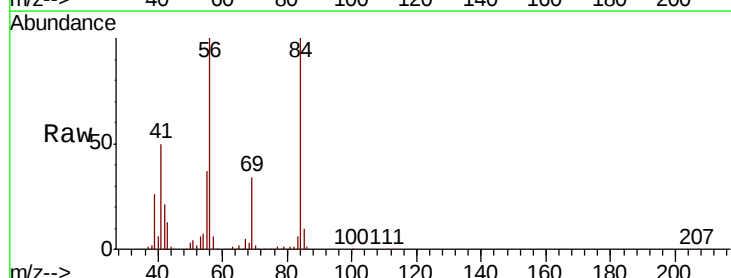
Instrument :
MSVOA_X
ClientSampleId :
MW-5

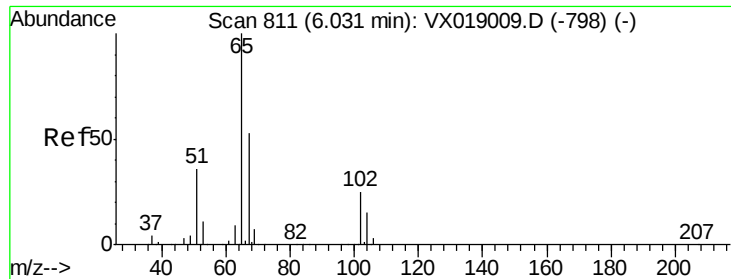
Tot Ion: 83 Resp: 55798
Ion Ratio Lower Upper
83 100
85 2.4 50.5 75.7#



#31
Cyclohexane
Concen: 74.404 ug/l
RT: 5.55 min Scan# 732
Delta R.T. 0.00 min
Lab File: VX019039.D
Acq: 22 Oct 2020 19:44

Tgt Ion: 56 Resp: 298444
Ion Ratio Lower Upper
56 100
69 29.1 26.2 39.2
84 100.3 78.3 117.5

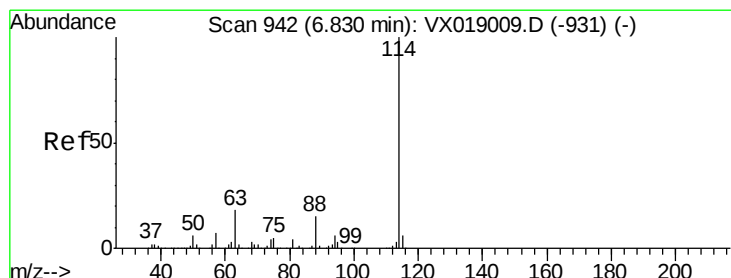
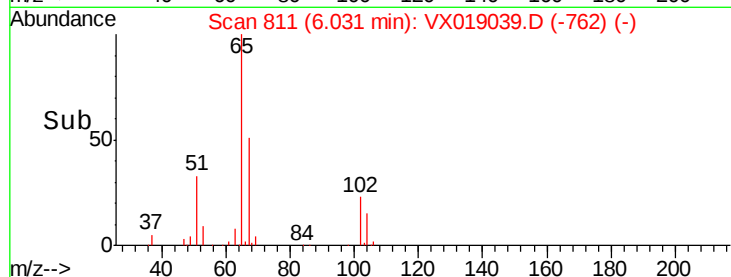
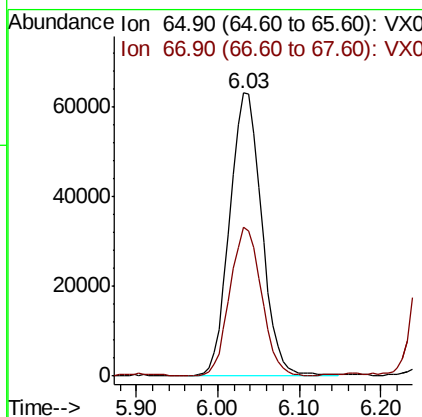
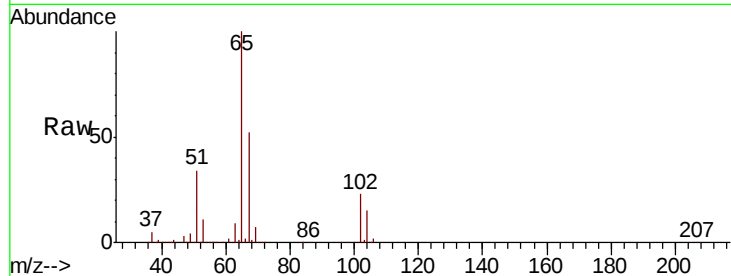




#33
 1,2-Dichloroethane-d4
 Concen: 50.251 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX019039.D
 Acq: 22 Oct 2020 19:44

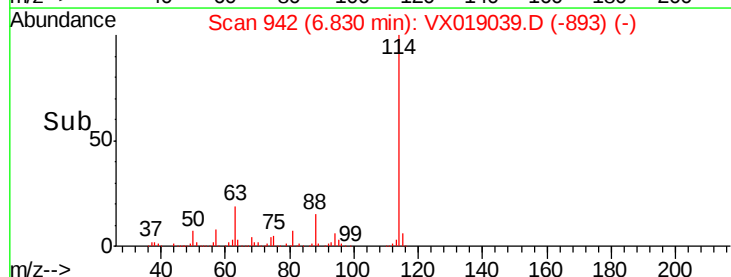
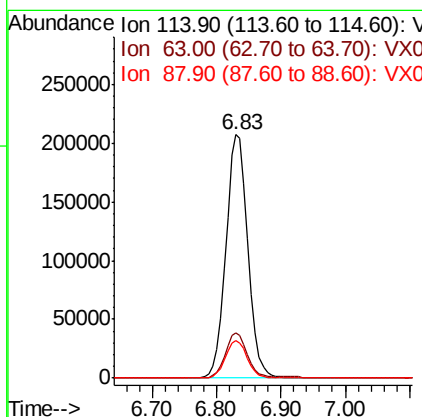
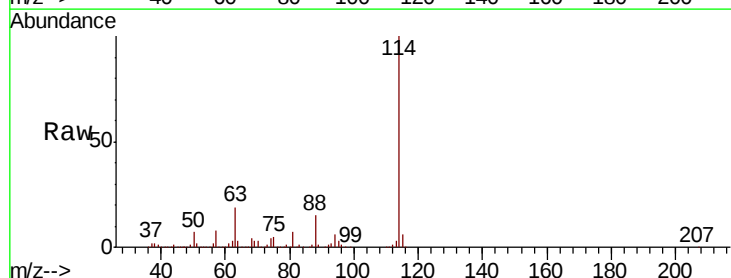
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5

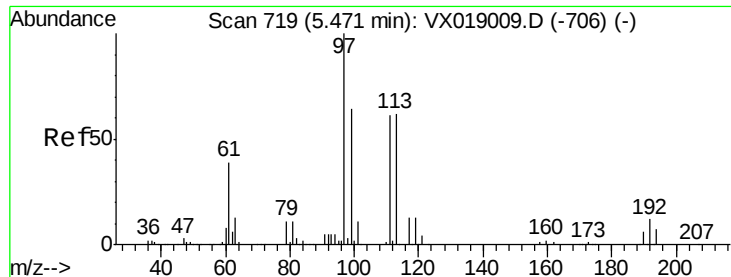
Tot Ion: 65 Resp: 172122
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX019039.D
 Acq: 22 Oct 2020 19:44

Tgt Ion: 114 Resp: 497027
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 36.8
 88 15.5 0.0 30.2





#35

Dibromofluoromethane

Concen: 48.655 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX019039.D

Acq: 22 Oct 2020 19:44

Instrument :

MSVOA_X

ClientSampleId :

MW-5

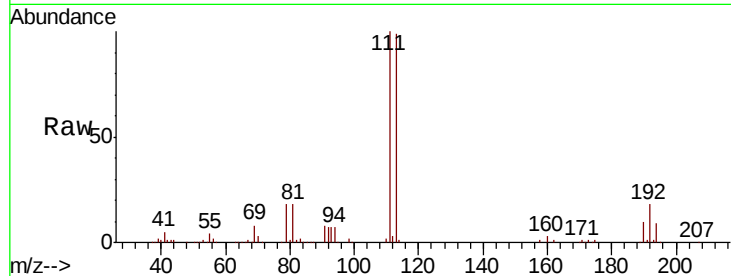
Tot Ion:113 Resp: 153110

Ion Ratio Lower Upper

113 100

111 102.4 81.5 122.3

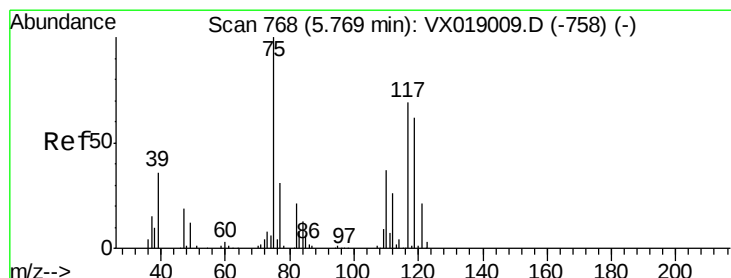
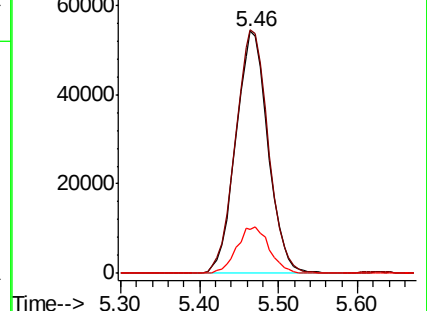
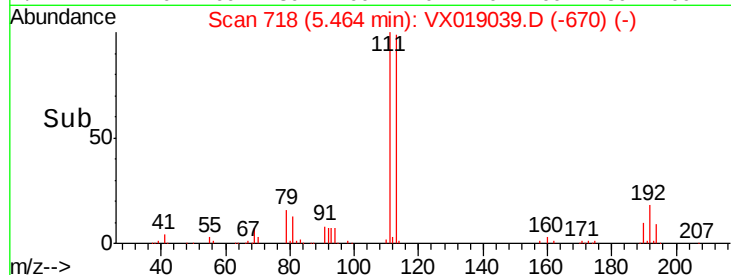
192 19.5 16.3 24.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.665 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX019039.D

Acq: 22 Oct 2020 19:44

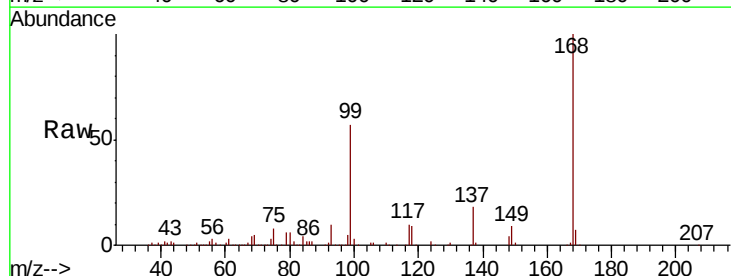
Tgt Ion: 75 Resp: 20804

Ion Ratio Lower Upper

75 100

110 9.0 19.4 58.2#

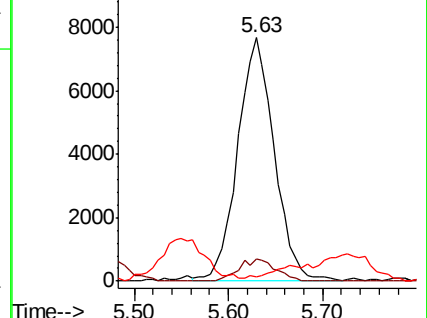
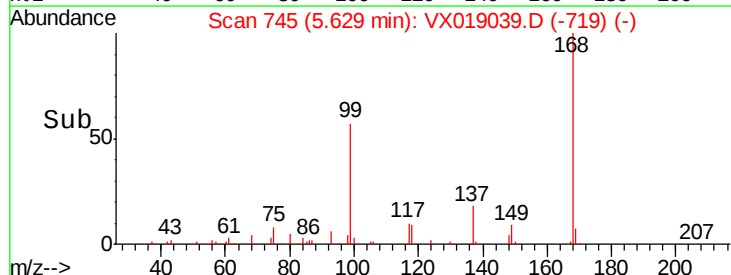
77 0.0 25.2 37.8#

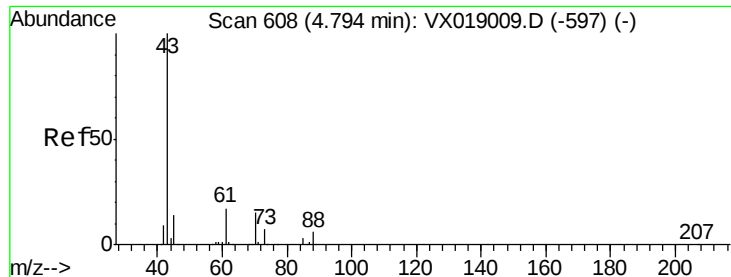


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

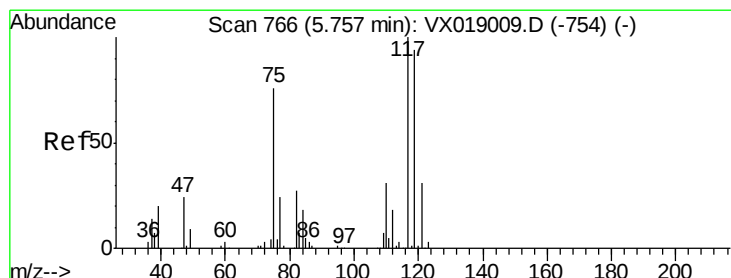
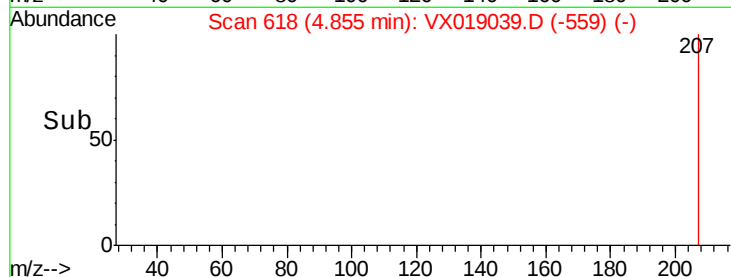
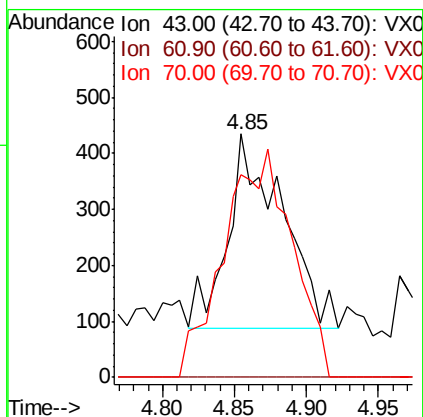
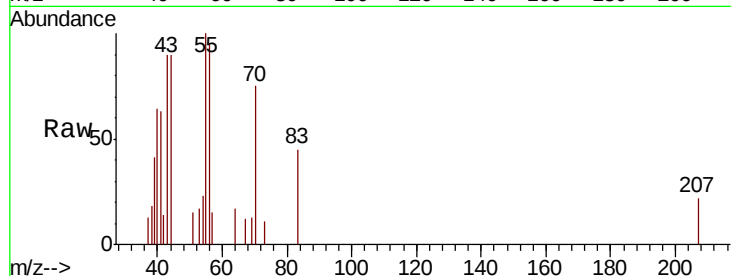




#37
Ethyl Acetate
Concen: 0.243 ug/l
RT: 4.85 min Scan# 618
Delta R.T. 0.06 min
Lab File: VX019039.D
Acq: 22 Oct 2020 19:44

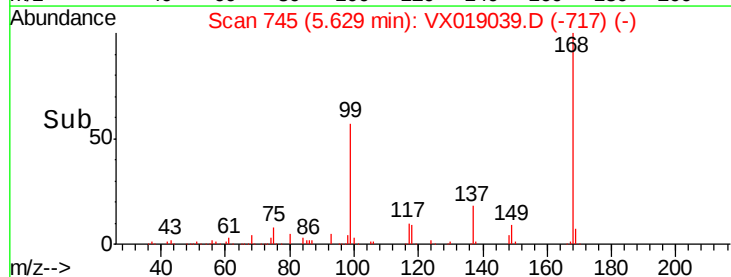
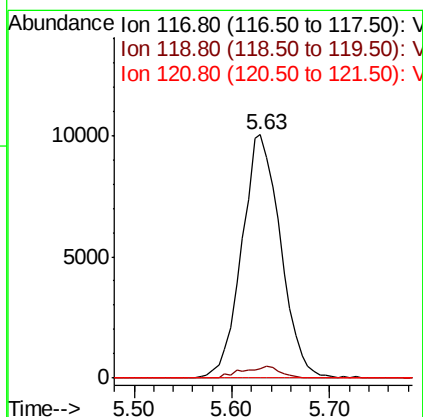
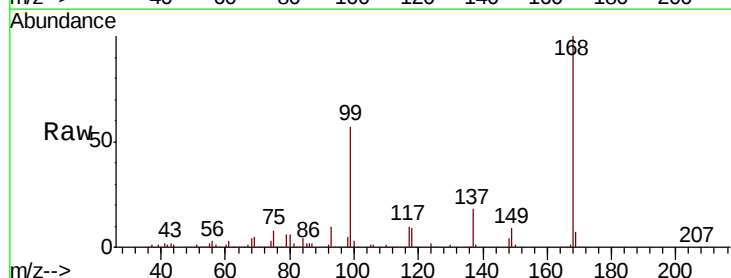
Instrument :
MSVOA_X
ClientSampleId :
MW-5

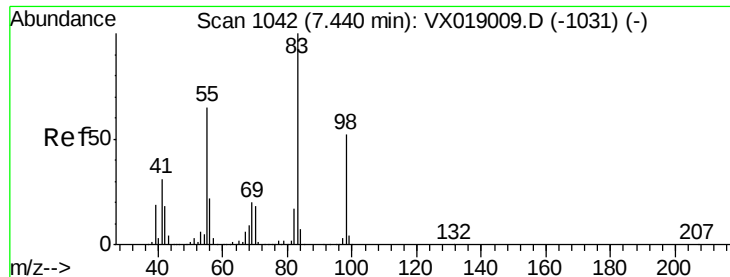
Tot Ion: 43 Resp: 926
Ion Ratio Lower Upper
43 100
61 0.0 13.8 20.8#
70 144.8 11.4 17.2#



#38
Carbon Tetrachloride
Concen: 5.920 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.13 min
Lab File: VX019039.D
Acq: 22 Oct 2020 19:44

Tgt Ion: 117 Resp: 27710
Ion Ratio Lower Upper
117 100
119 3.8 75.4 113.0#
121 0.0 25.0 37.6#

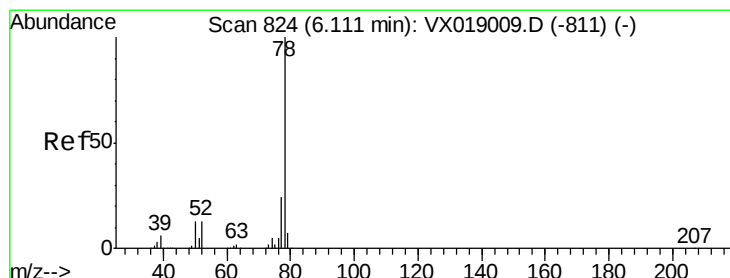
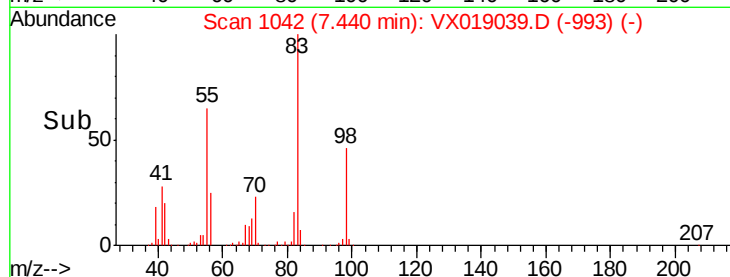
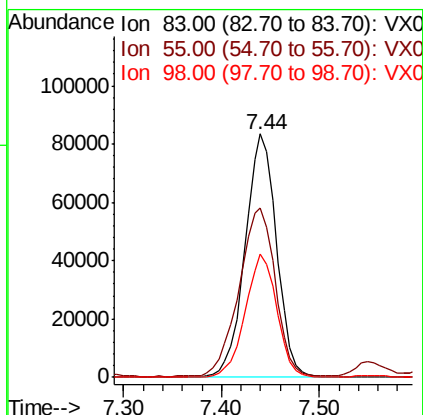
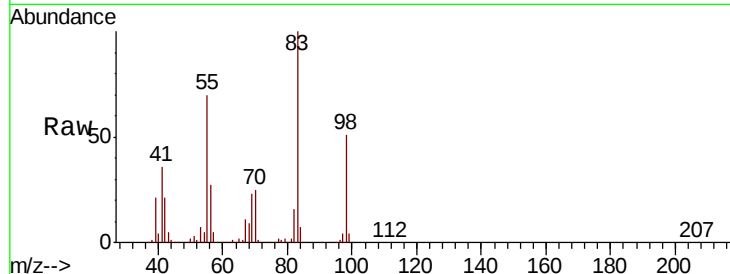




#39
Methvlcvclohexane
Concen: 37.371 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX019039.D
Acq: 22 Oct 2020 19:44

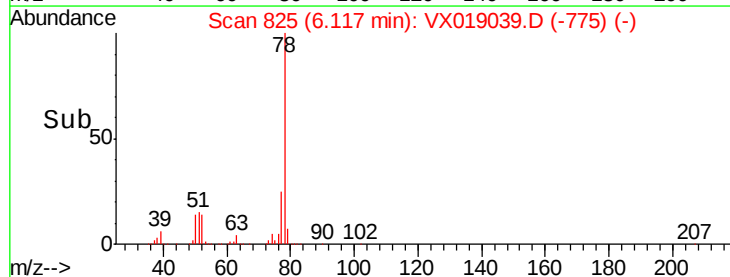
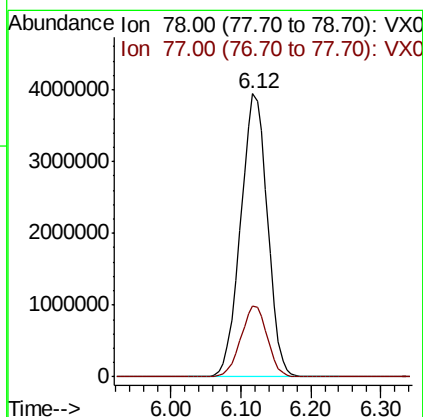
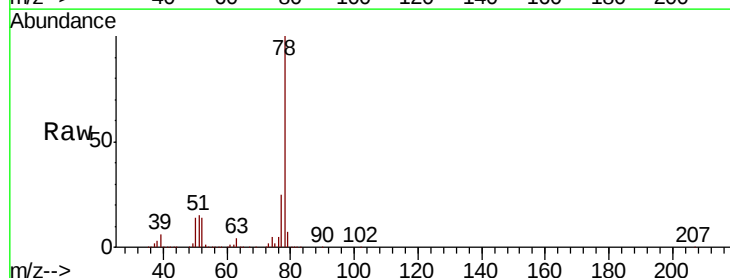
Instrument :
MSVOA_X
ClientSampleId :
MW-5

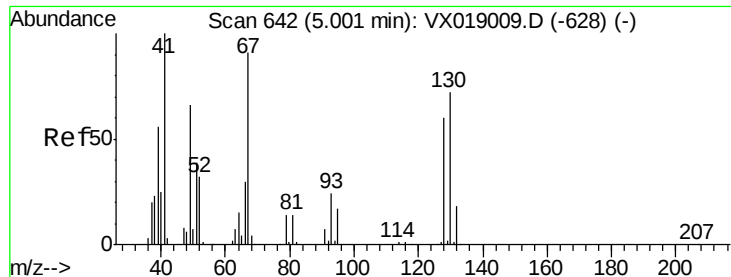
Tot Ion: 83 Resp: 186728
Ion Ratio Lower Upper
83 100
55 69.1 51.8 77.6
98 50.6 41.4 62.2



#40
Benzene
Concen: 799.312 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX019039.D
Acq: 22 Oct 2020 19:44

Tgt Ion: 78 Resp:10498707
Ion Ratio Lower Upper
78 100
77 25.1 19.3 28.9

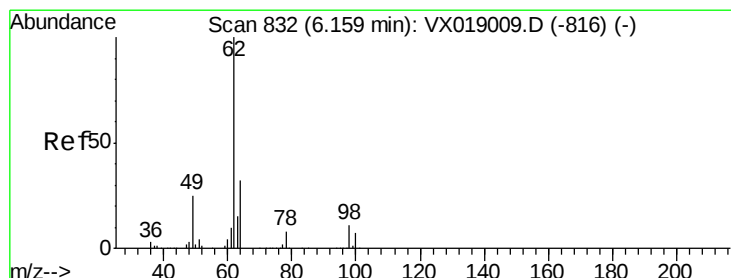
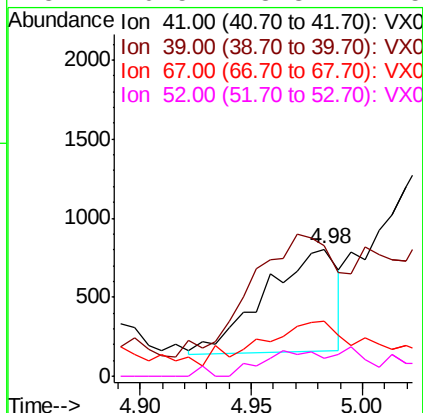
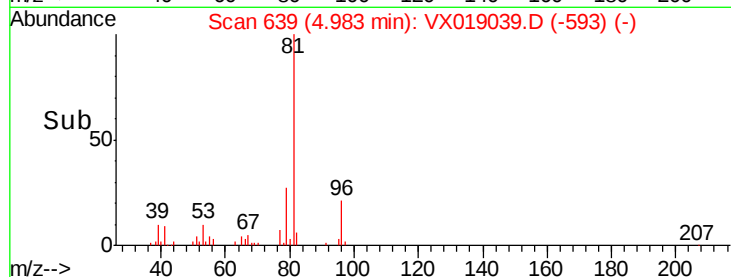
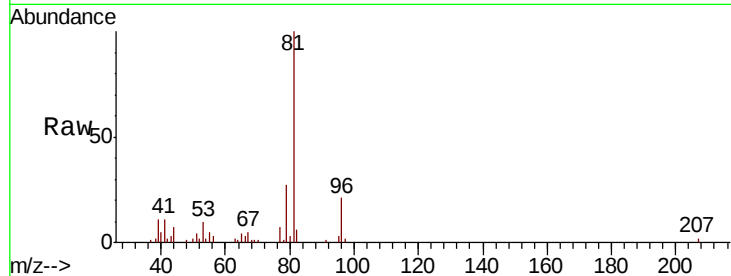




#41
Methacrylonitrile
Concen: 0.731 ug/l
RT: 4.98 min Scan# 639
Delta R.T. -0.02 min
Lab File: VX019039.D
Acq: 22 Oct 2020 19:44

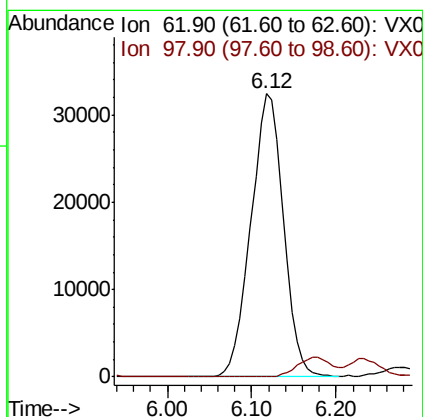
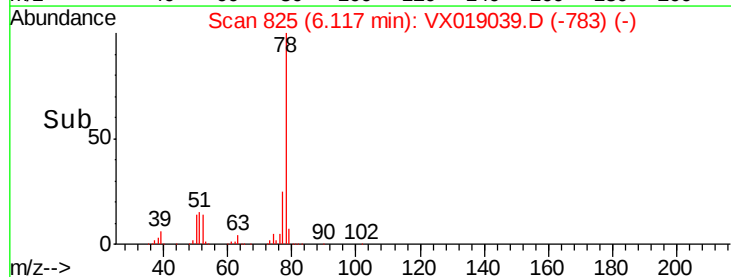
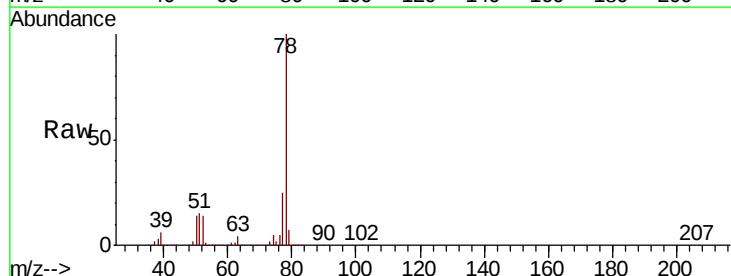
Instrument :
MSVOA_X
ClientSampled :
MW-5

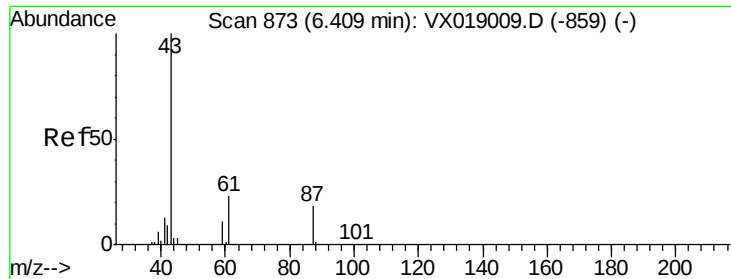
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	0.0	44.6	67.0#	
67	0.0	76.1	114.1#	
52	20.5	28.3	42.5#	



#42
1,2-Dichloroethane
Concen: 19.127 ug/l
RT: 6.12 min Scan# 825
Delta R.T. -0.04 min
Lab File: VX019039.D
Acq: 22 Oct 2020 19:44

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	0.0	0.0	20.8	



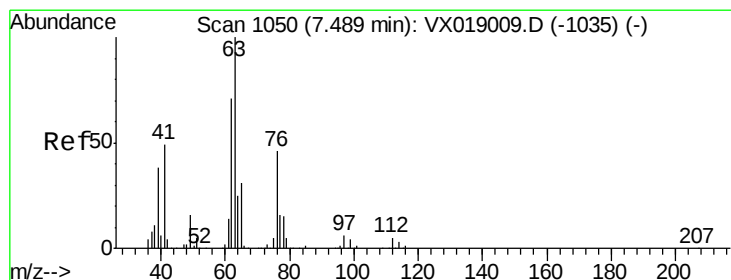
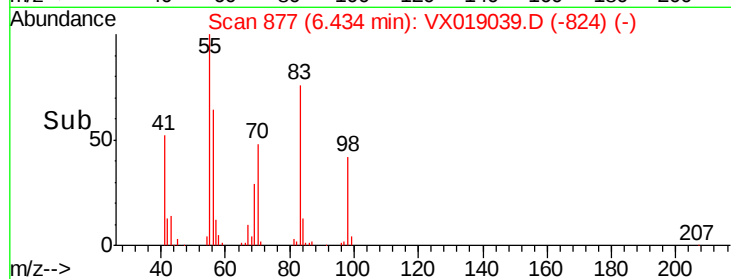
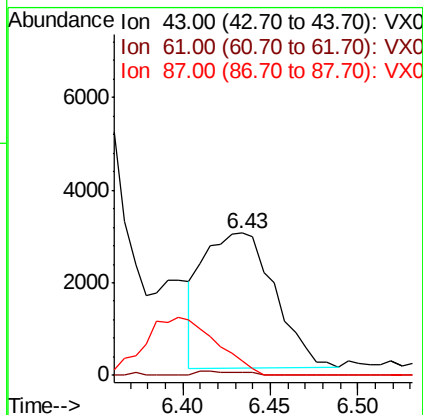
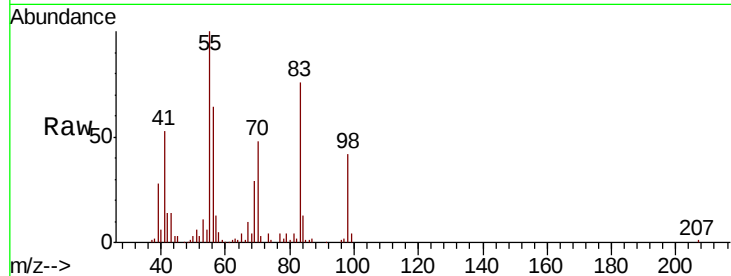


#43

Isopropyl Acetate
 Concen: 1.274 ug/l
 RT: 6.43 min Scan# 877
 Delta R.T. 0.02 min
 Lab File: VX019039.D
 Acq: 22 Oct 2020 19:44

Instrument :
 MSVOA_X
 ClientSampled :
 MW-5

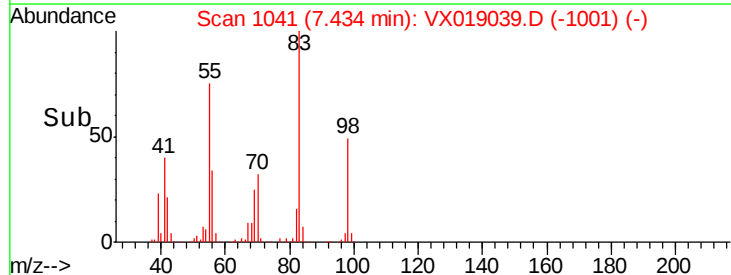
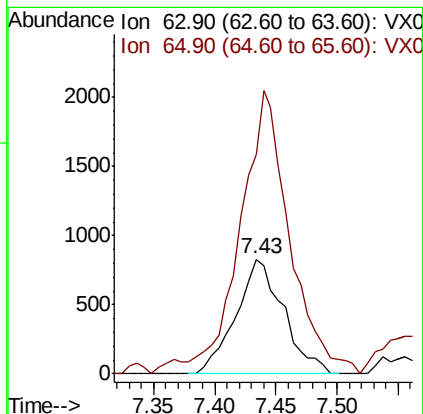
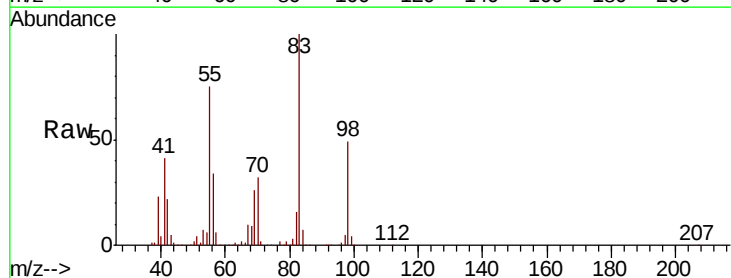
Tot Ion: 43 Resp: 8211
 Ion Ratio Lower Upper
 43 100
 61 0.0 18.7 28.1#
 87 0.0 14.2 21.4#

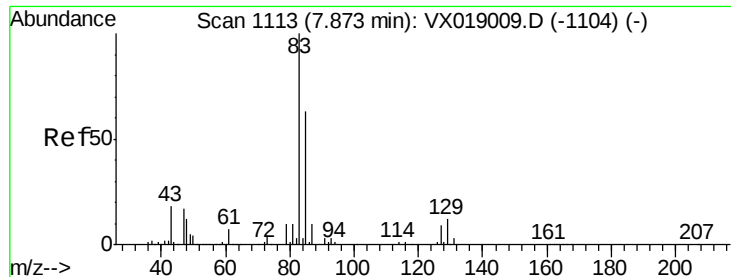


#45

1,2-Dichloropropane
 Concen: 0.709 ug/l
 RT: 7.43 min Scan# 1041
 Delta R.T. -0.05 min
 Lab File: VX019039.D
 Acq: 22 Oct 2020 19:44

Tgt Ion: 63 Resp: 2234
 Ion Ratio Lower Upper
 63 100
 65 181.4 24.9 37.3#





#47

Bromodichloromethane

Concen: 3.391 ug/l

RT: 7.93 min Scan# 1122

Delta R.T. 0.05 min

Lab File: VX019039.D

Acq: 22 Oct 2020 19:44

Instrument :

MSVOA_X

ClientSampled :

MW-5

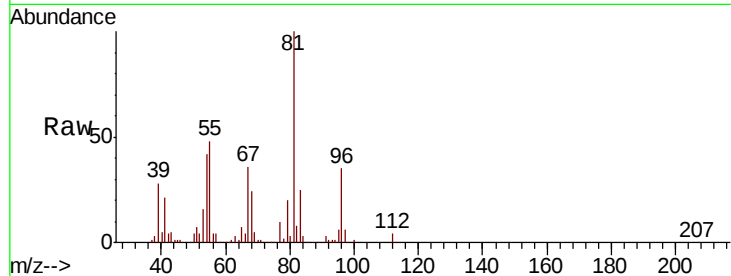
Tot Ion: 83 Resp: 15955

Ion Ratio Lower Upper

83 100

85 1.2 50.7 76.1#

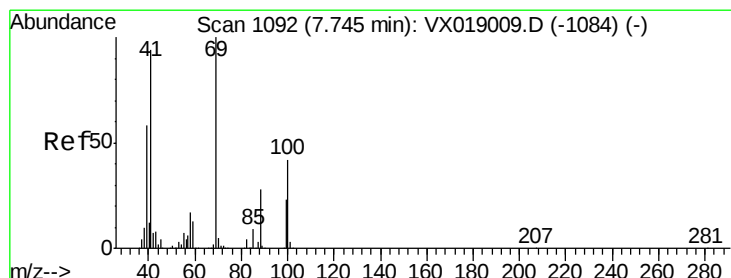
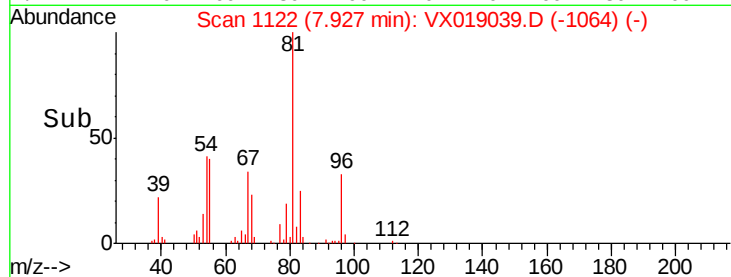
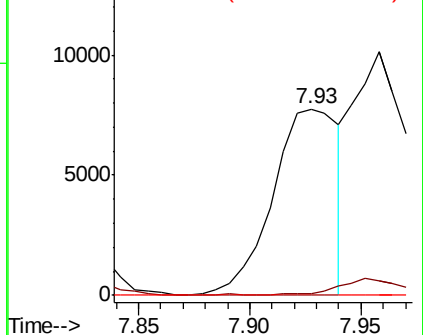
127 0.0 6.8 10.2#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 1.649 ug/l

RT: 7.76 min Scan# 1095

Delta R.T. 0.02 min

Lab File: VX019039.D

Acq: 22 Oct 2020 19:44

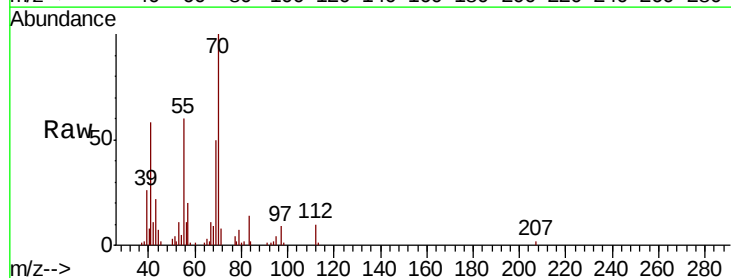
Tgt Ion: 41 Resp: 5237

Ion Ratio Lower Upper

41 100

69 86.2 85.5 128.3

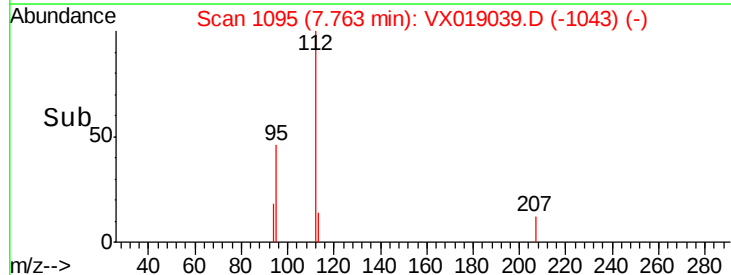
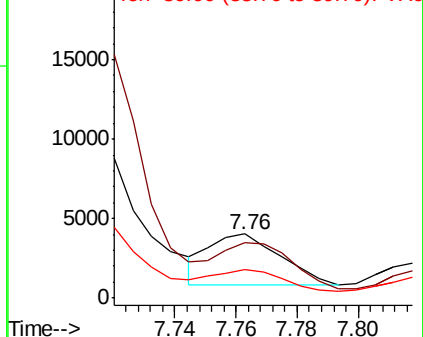
39 43.0 49.3 73.9#

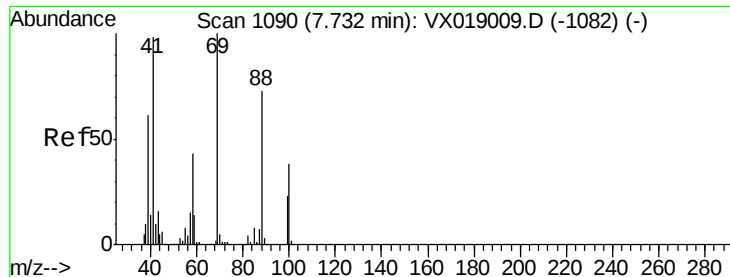


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 0.543 ug/l

RT: 7.59 min Scan# 1066

Delta R.T. -0.15 min

Lab File: VX019039.D

Acq: 22 Oct 2020 19:44

Instrument :

MSVOA_X

ClientSampleId :

MW-5

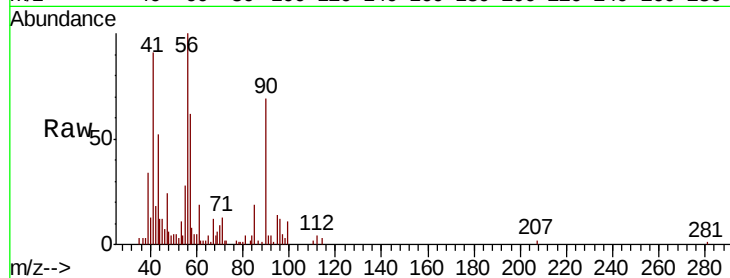
Tot Ion: 88 Resp: 39

Ion Ratio Lower Upper

88 100

43 0.0 20.3 30.5#

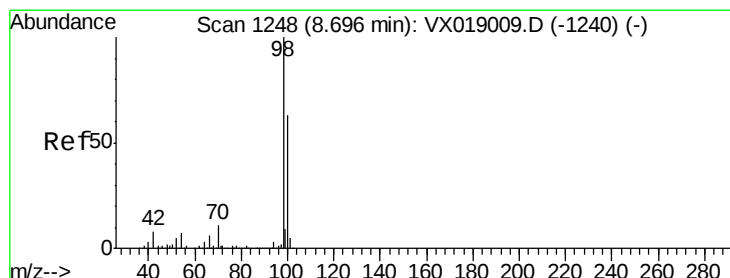
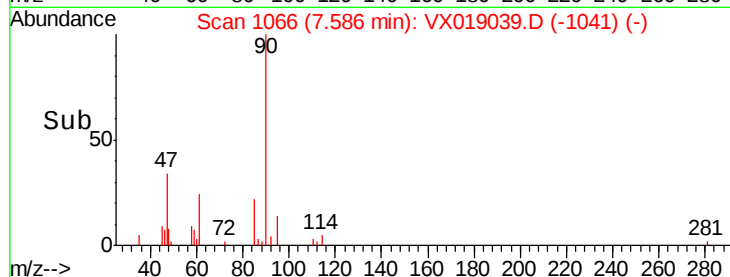
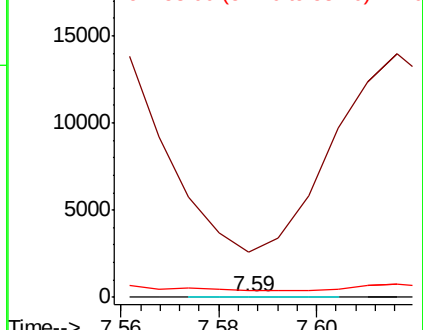
58 0.0 48.4 72.6#



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: 53.156 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019039.D

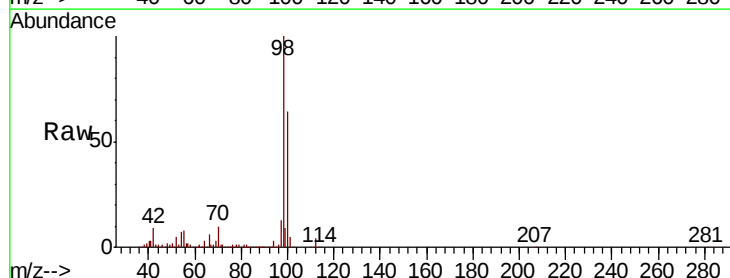
Acq: 22 Oct 2020 19:44

Tgt Ion: 98 Resp: 638321

Ion Ratio Lower Upper

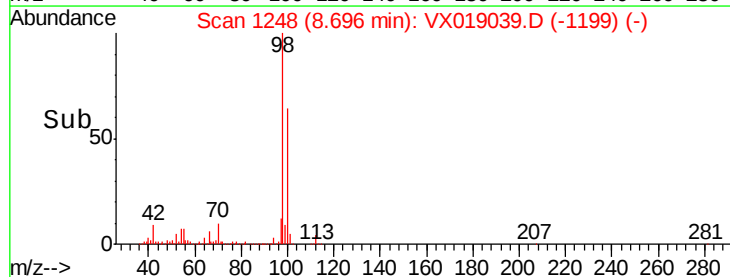
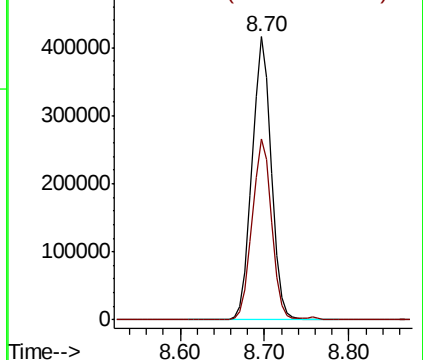
98 100

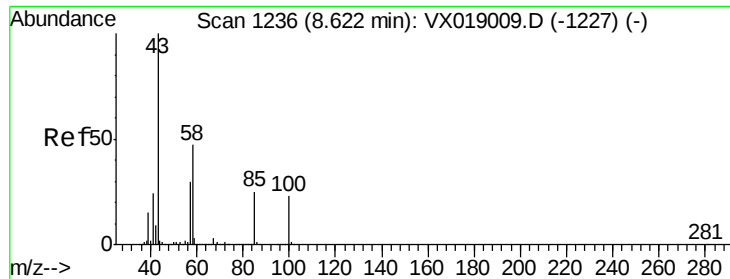
100 64.4 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.878 ug/l

RT: 8.60 min Scan# 1233

Delta R.T. -0.02 min

Lab File: VX019039.D

Acq: 22 Oct 2020 19:44

Instrument :

MSVOA_X

ClientSampled :

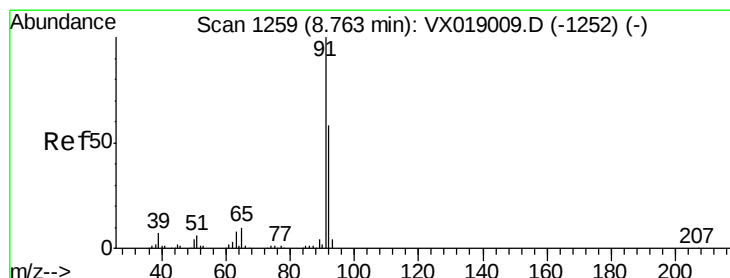
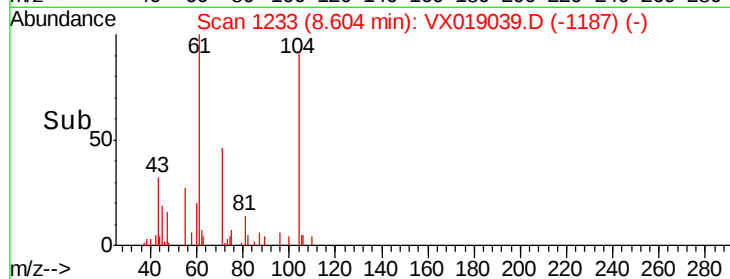
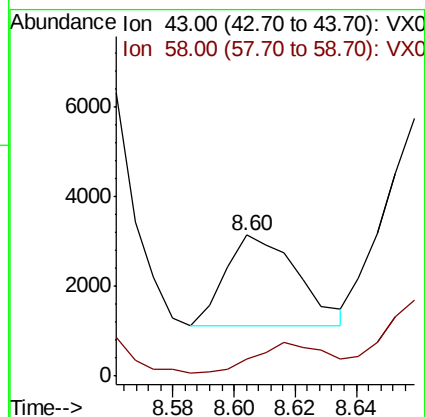
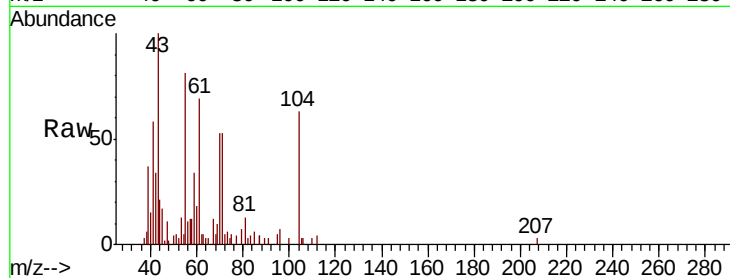
MW-5

Tot Ion: 43 Resp: 3335

Ion Ratio Lower Upper

43 100

58 31.9 37.4 56.0#



#52

Toluene

Concen: 71.998 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX019039.D

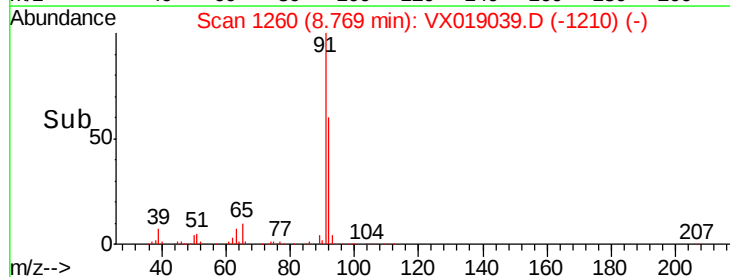
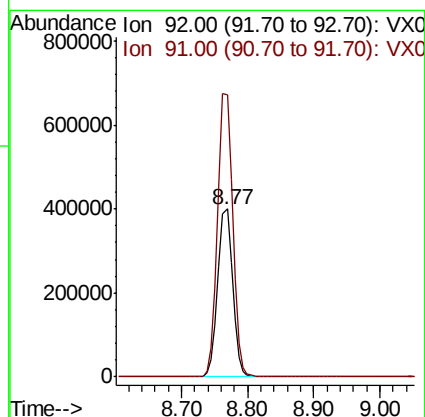
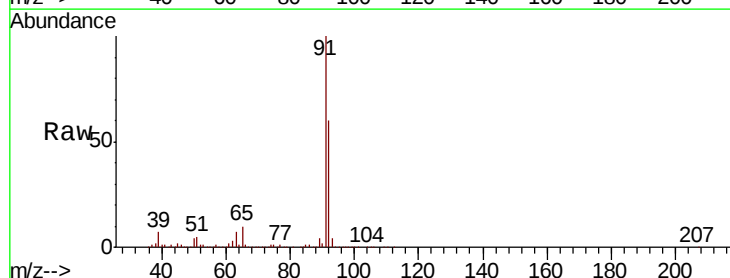
Acq: 22 Oct 2020 19:44

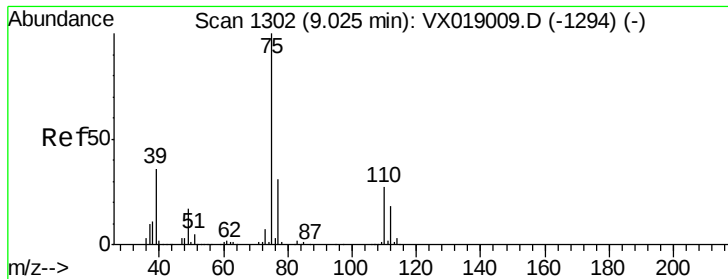
Tgt Ion: 92 Resp: 624605

Ion Ratio Lower Upper

92 100

91 170.8 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 0.713 ug/l

RT: 9.10 min Scan# 1314

Delta R.T. 0.07 min

Lab File: VX019039.D

Acq: 22 Oct 2020 19:44

Instrument :

MSVOA_X

ClientSampleId :

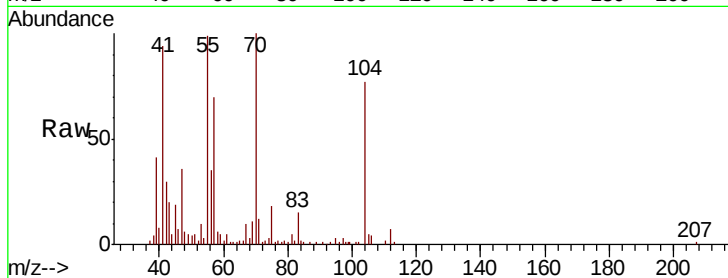
MW-5

Tot Ion: 75 Resp: 3788

Ion Ratio Lower Upper

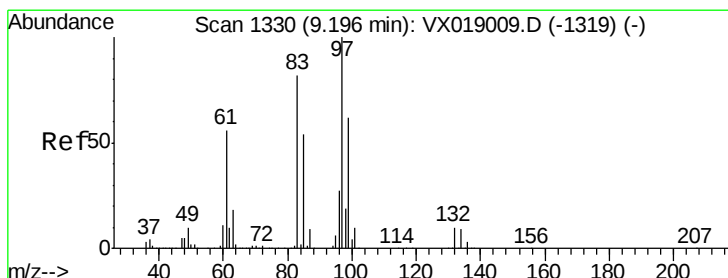
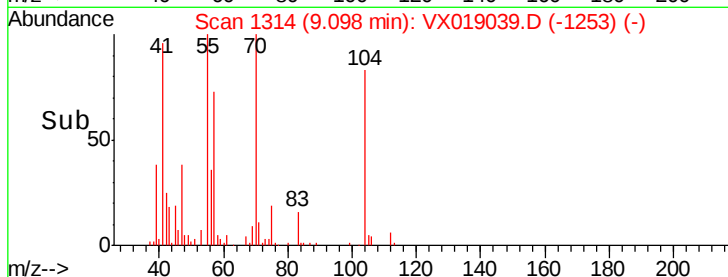
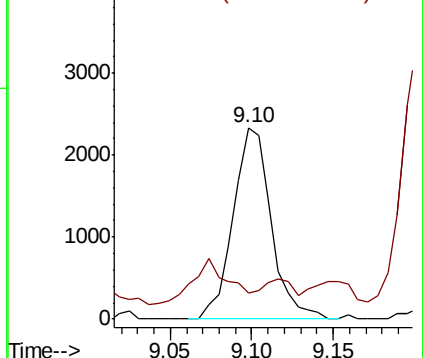
75 100

77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#55

1,1,2-Trichloroethane

Concen: 5.999 ug/l

RT: 9.15 min Scan# 1322

Delta R.T. -0.05 min

Lab File: VX019039.D

Acq: 22 Oct 2020 19:44

Tgt Ion: 97 Resp: 21216

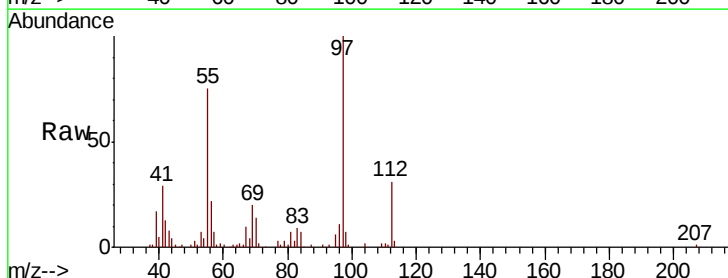
Ion Ratio Lower Upper

97 100

83 6.8 65.4 98.2#

85 0.4 43.3 64.9#

99 0.5 50.0 75.0#

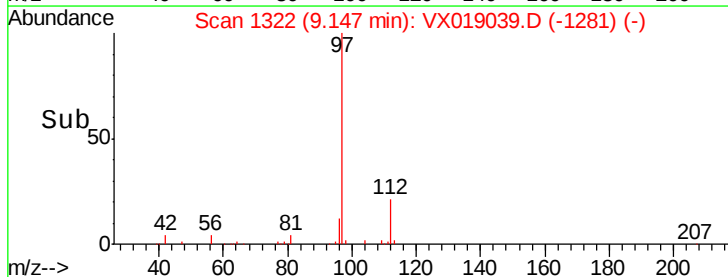
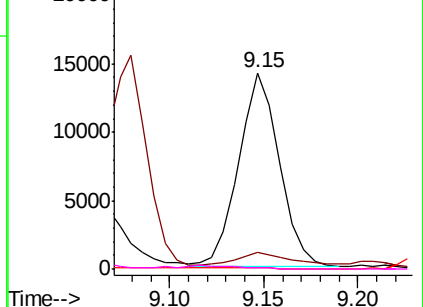


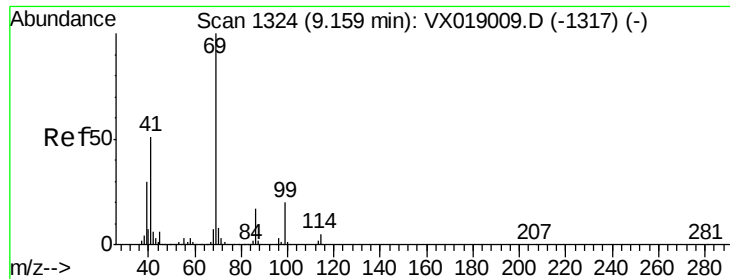
Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

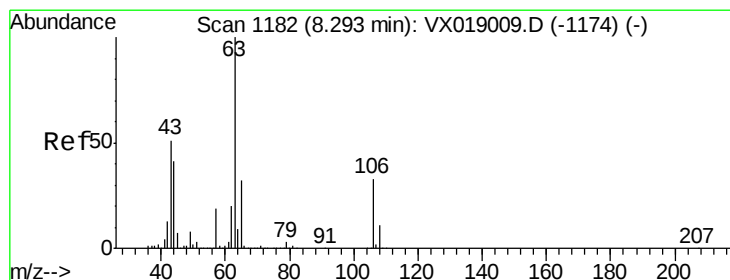
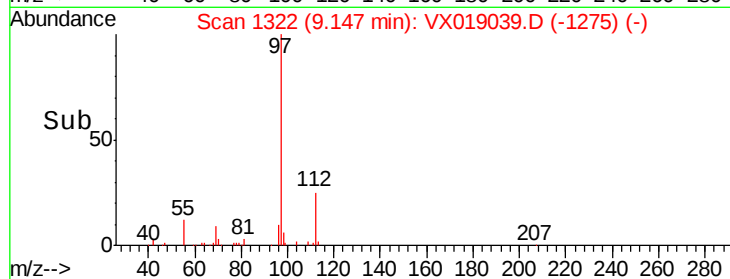
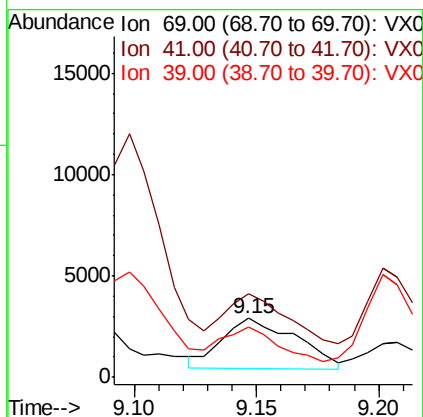
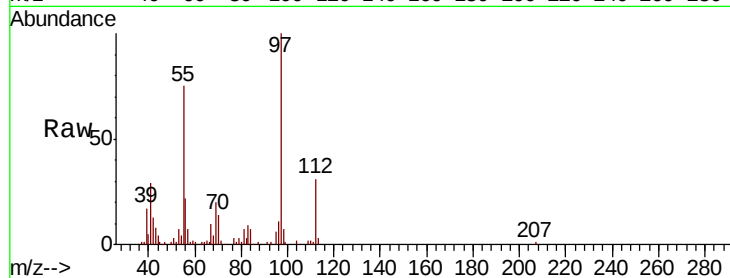




#56
Ethyl methacrylate
Concen: 1.013 ug/l
RT: 9.15 min Scan# 1322
Delta R.T. -0.01 min
Lab File: VX019039.D
Acq: 22 Oct 2020 19:44

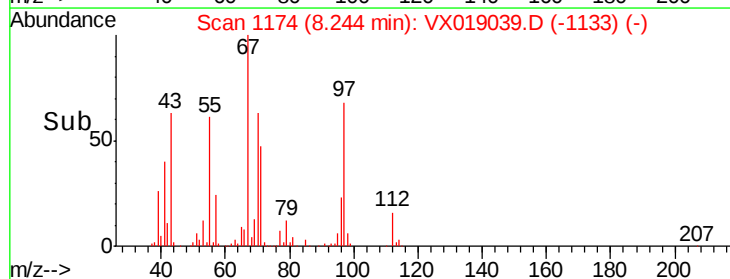
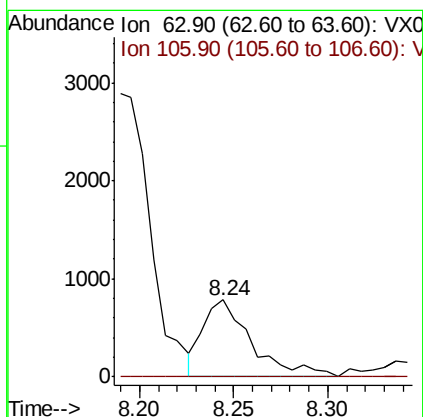
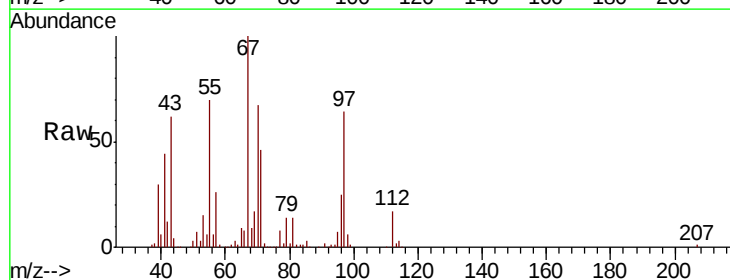
Instrument :
MSVOA_X
ClientSampled :
MW-5

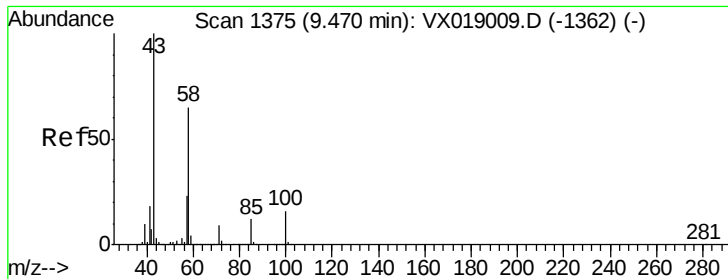
Tot Ion: 69 Resp: 5155
Ion Ratio Lower Upper
69 100
41 78.4 41.1 61.7#
39 50.0 24.6 37.0#



#58
2-Chloroethyl Vinyl ether
Concen: 0.524 ug/l
RT: 8.24 min Scan# 1174
Delta R.T. -0.05 min
Lab File: VX019039.D
Acq: 22 Oct 2020 19:44

Tgt Ion: 63 Resp: 1401
Ion Ratio Lower Upper
63 100
106 0.0 26.0 39.0#

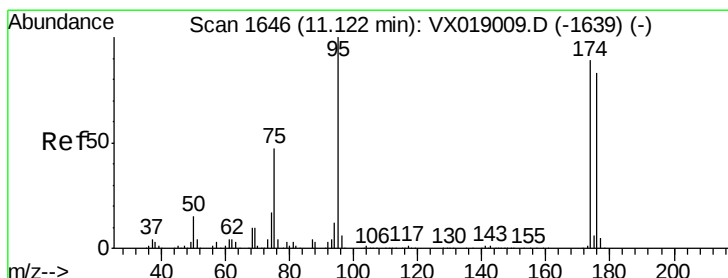
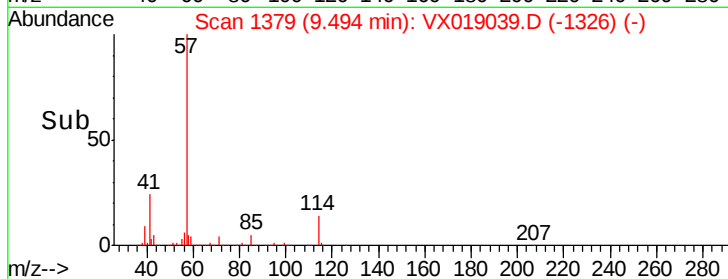
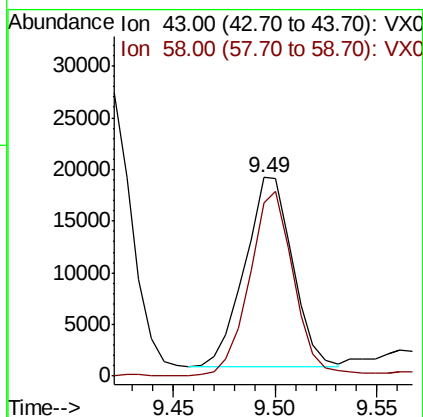
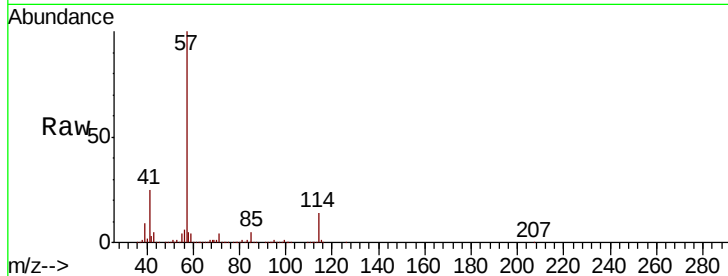




#59
2-Hexanone
Concen: 10.498 ug/l
RT: 9.49 min Scan# 1379
Delta R.T. 0.02 min
Lab File: VX019039.D
Acq: 22 Oct 2020 19:44

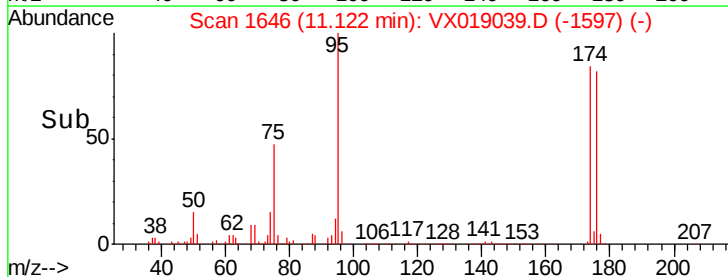
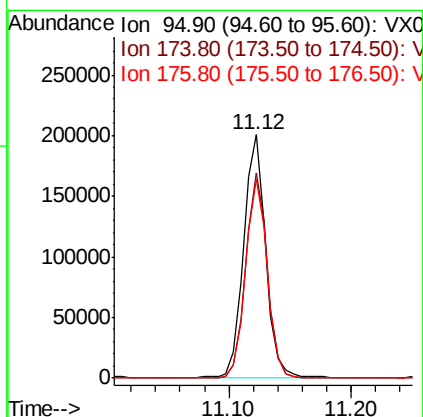
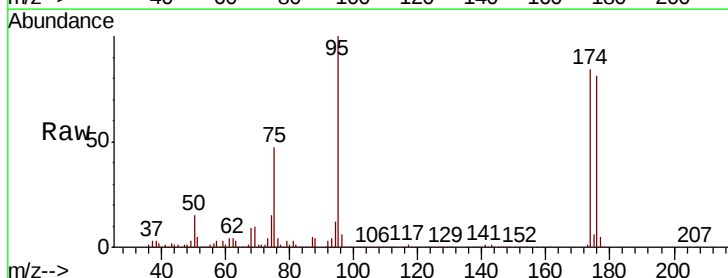
Instrument :
MSVOA_X
ClientSampleId :
MW-5

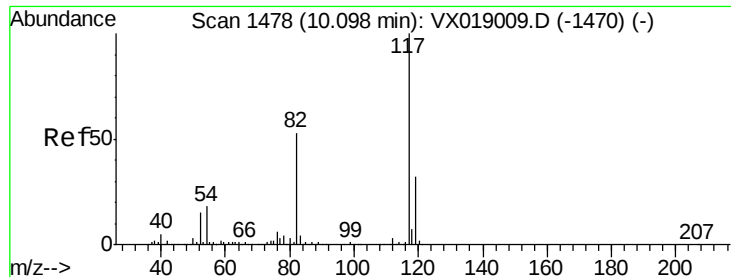
Tot Ion: 43 Resp: 29718
Ion Ratio Lower Upper
43 100
58 91.0 32.8 98.4



#62
4-Bromofluorobenzene
Concen: 58.218 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019039.D
Acq: 22 Oct 2020 19:44

Tgt Ion: 95 Resp: 248675
Ion Ratio Lower Upper
95 100
174 82.7 0.0 167.6
176 80.6 0.0 165.2

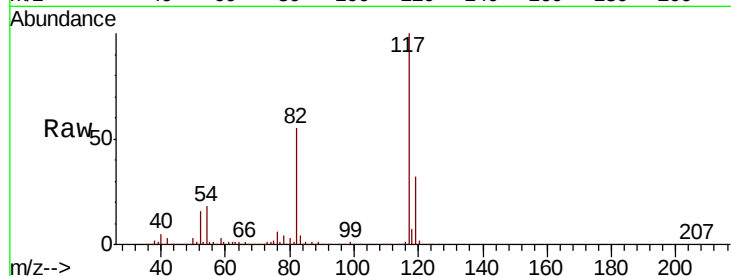




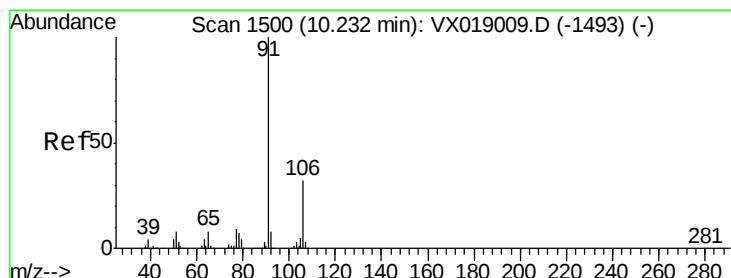
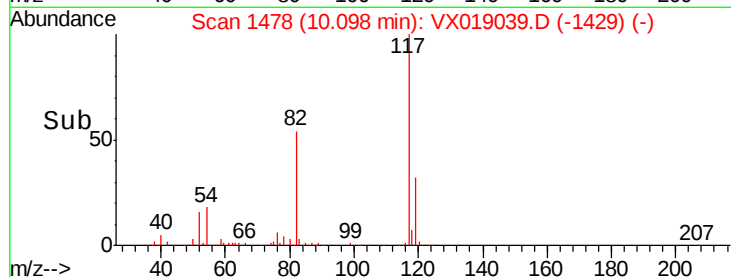
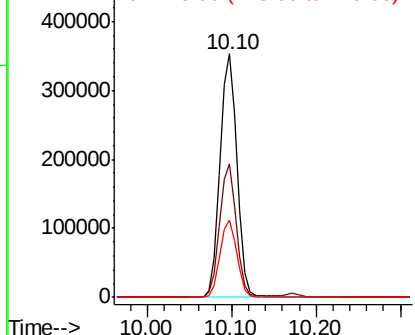
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX019039.D
Acq: 22 Oct 2020 19:44

Instrument :
MSVOA_X
ClientSampleId :
MW-5

Tot Ion:117 Resp: 494654
Ion Ratio Lower Upper
117 100
82 54.6 42.4 63.6
119 31.8 25.6 38.4

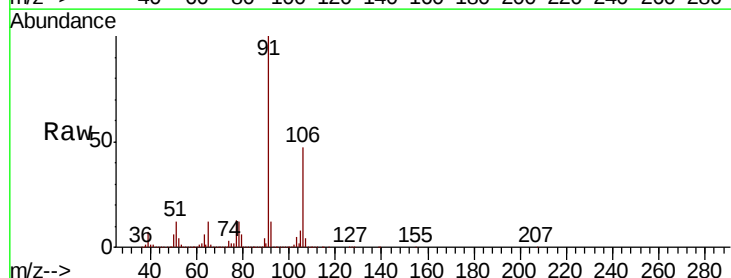


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

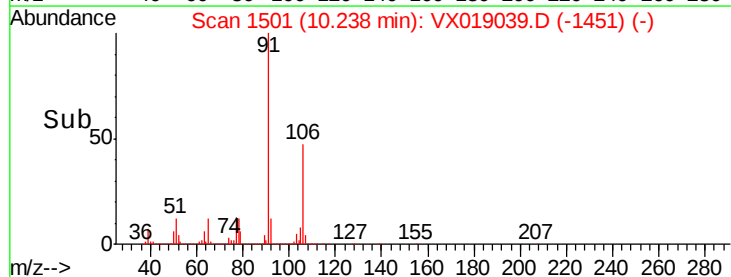
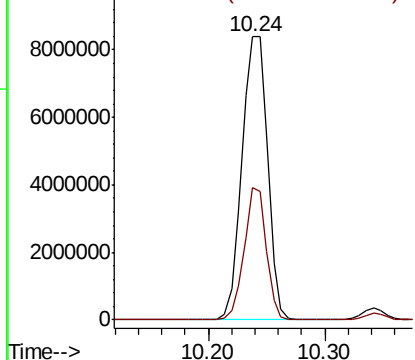


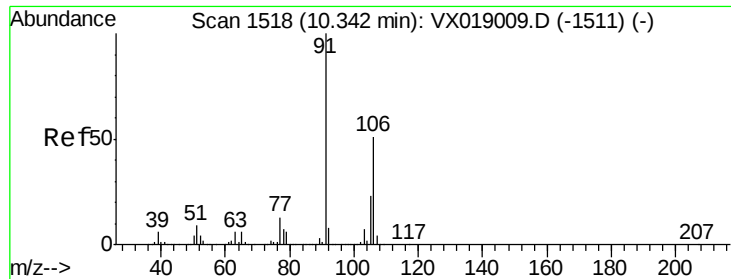
#67
Ethyl Benzene
Concen: 722.540 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.01 min
Lab File: VX019039.D
Acq: 22 Oct 2020 19:44

Tgt Ion: 91 Resp:12922782
Ion Ratio Lower Upper
91 100
106 46.7 25.3 37.9#



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V

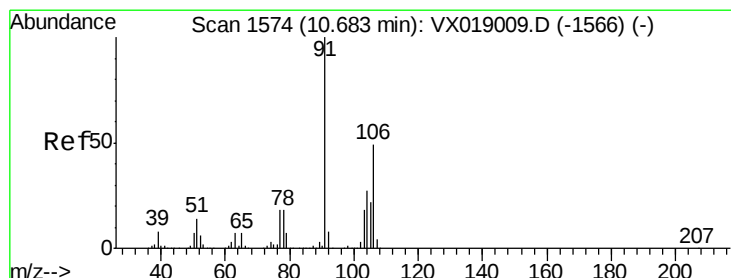
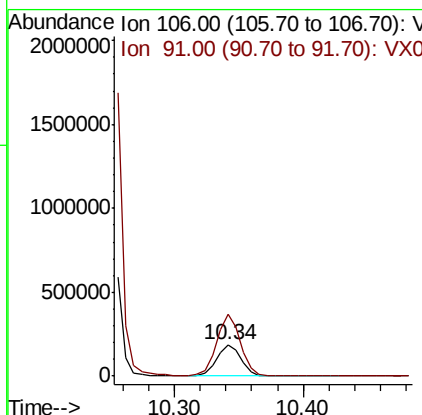
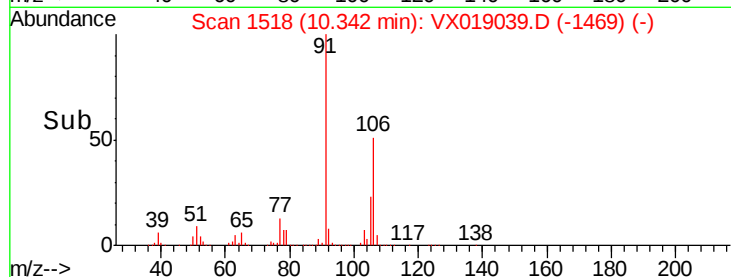
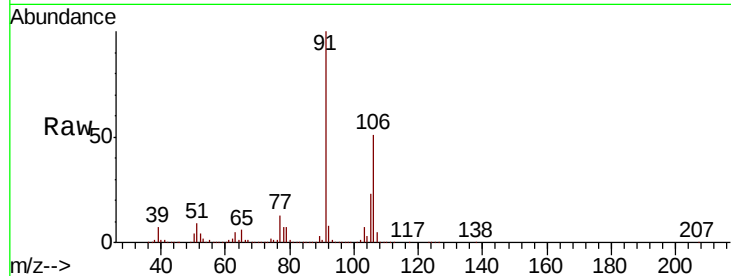




#68
m/p-Xylenes
Concen: 35.951 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX019039.D
Acq: 22 Oct 2020 19:44

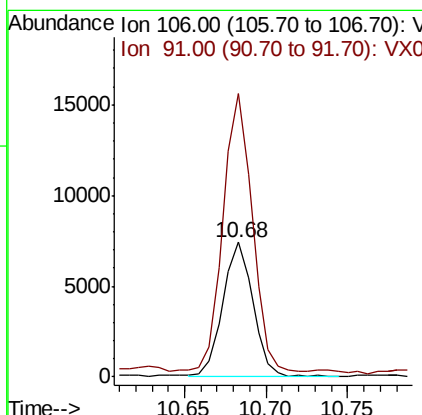
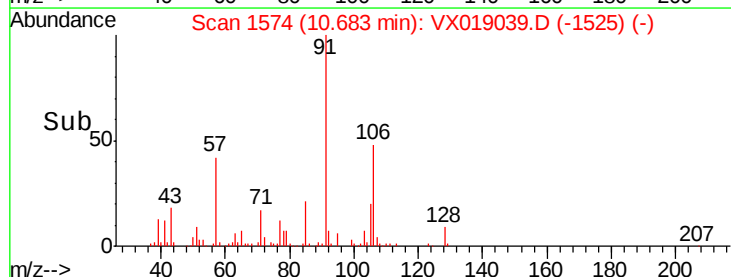
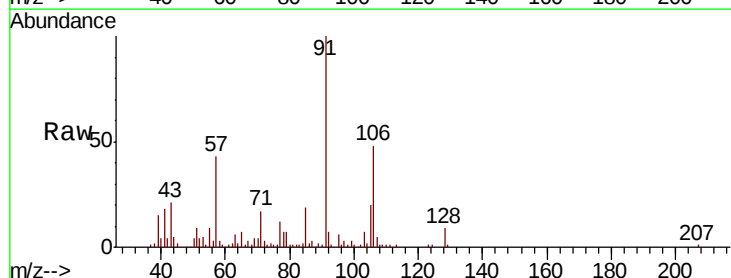
Instrument :
MSVOA_X
ClientSampleId :
MW-5

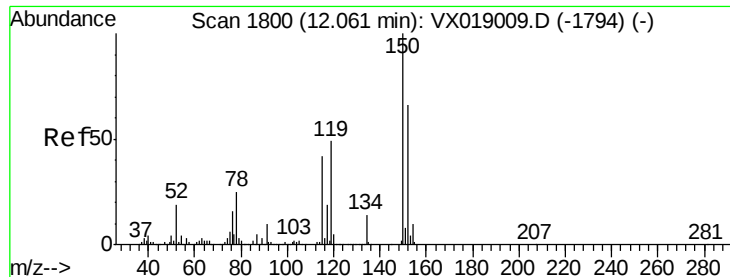
Tot Ion:106 Resp: 246304
Ion Ratio Lower Upper
106 100
91 195.6 156.9 235.3



#69
o-Xylene
Concen: 1.475 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX019039.D
Acq: 22 Oct 2020 19:44

Tgt Ion:106 Resp: 9670
Ion Ratio Lower Upper
106 100
91 195.8 104.0 312.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX019039.D

Acq: 22 Oct 2020 19:44

Instrument :

MSVOA_X

ClientSampled :

MW-5

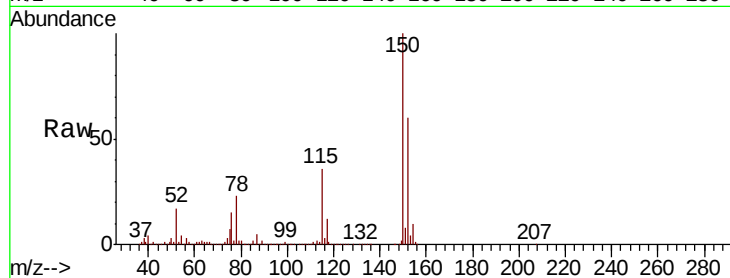
Tot Ion:152 Resp: 268007

Ion Ratio Lower Upper

152 100

115 58.4 40.8 122.5

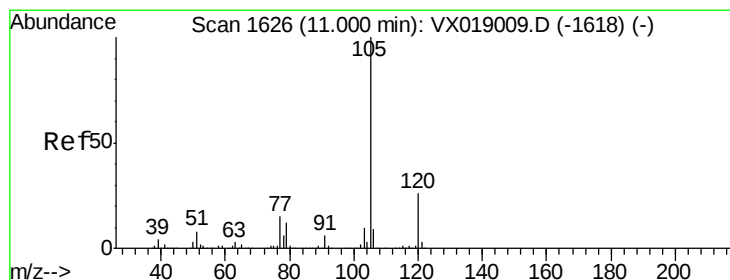
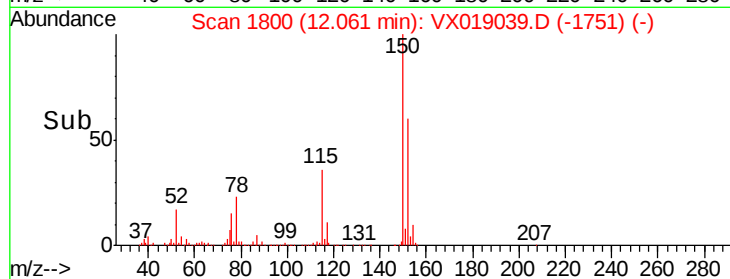
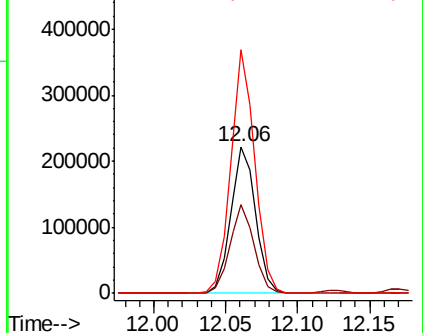
150 160.8 0.0 345.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 212.158 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX019039.D

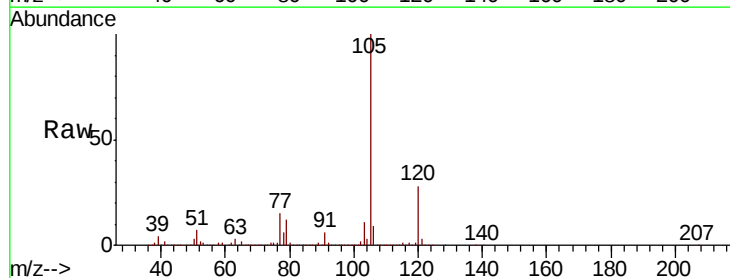
Acq: 22 Oct 2020 19:44

Tgt Ion:105 Resp: 4090366

Ion Ratio Lower Upper

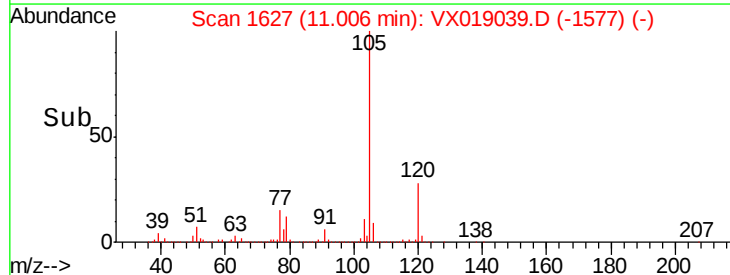
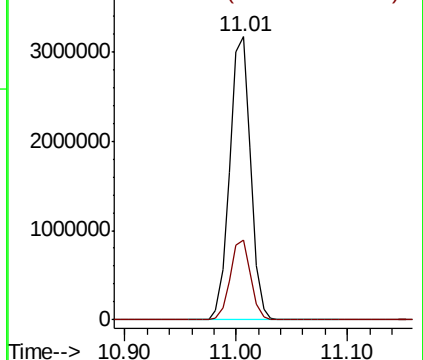
105 100

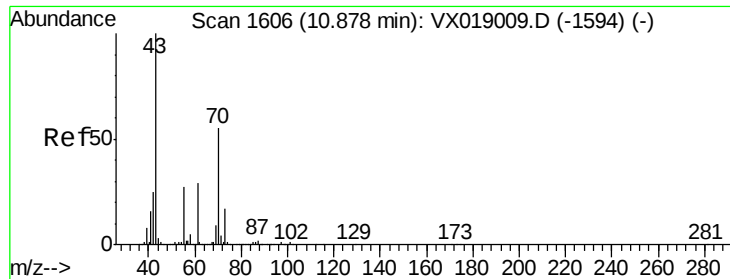
120 27.8 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 3.714 ug/l

RT: 10.93 min Scan# 1614

Delta R.T. 0.05 min

Lab File: VX019039.D

Acq: 22 Oct 2020 19:44

Instrument :

MSVOA_X

ClientSampled :

MW-5

Tot Ion: 43 Resp: 22943

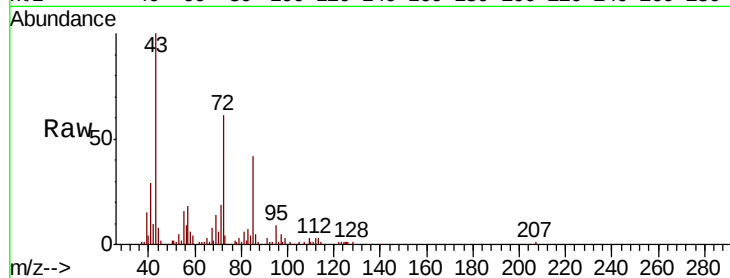
Ion Ratio Lower Upper

43 100

70 21.8 44.5 66.7#

55 29.6 21.9 32.9

61 0.0 23.9 35.9#

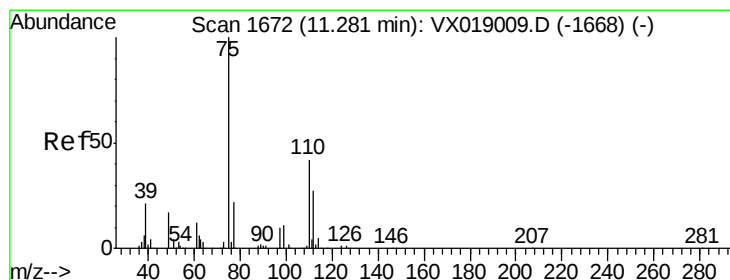
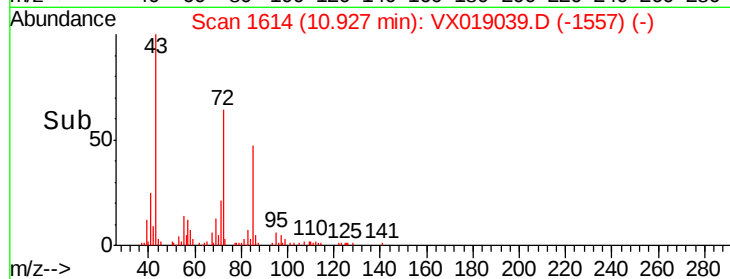
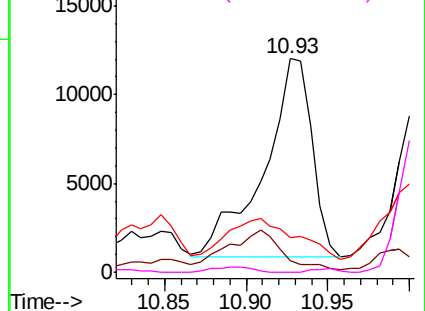


Abundance Ion 43.00 (42.70 to 43.70): VX0

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



#76

1,2,3-Trichloropropane

Concen: 5.740 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. 0.07 min

Lab File: VX019039.D

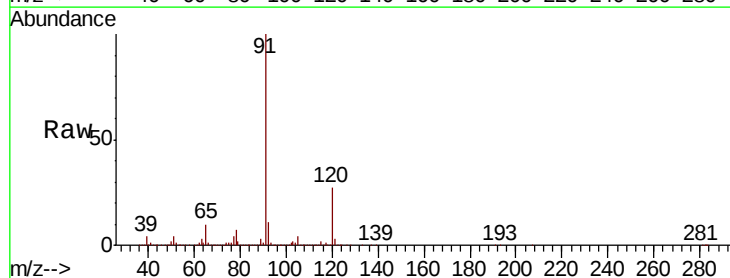
Acq: 22 Oct 2020 19:44

Tgt Ion: 75 Resp: 30746

Ion Ratio Lower Upper

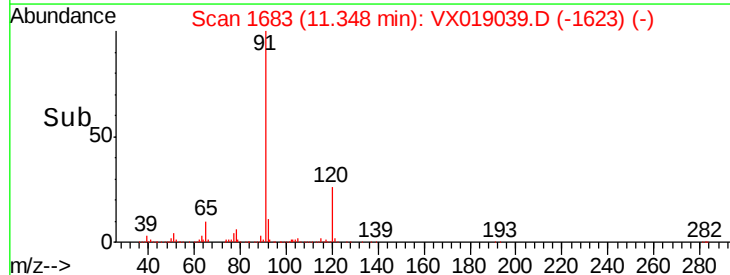
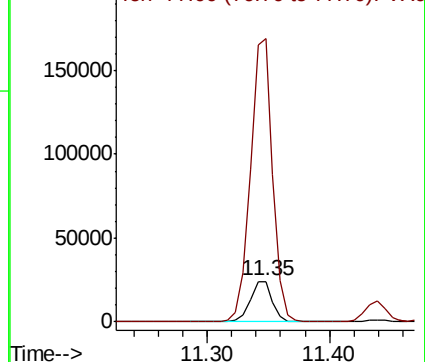
75 100

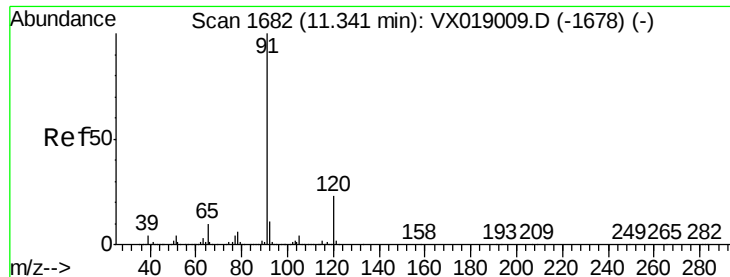
77 688.8 20.7 62.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

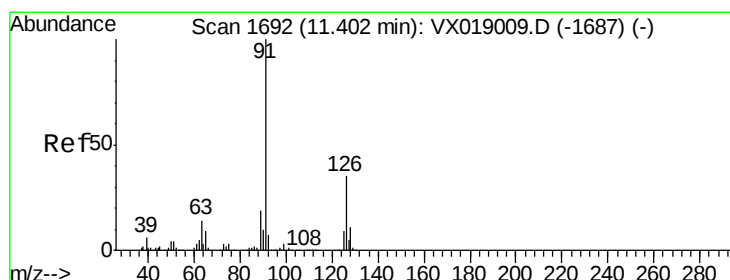
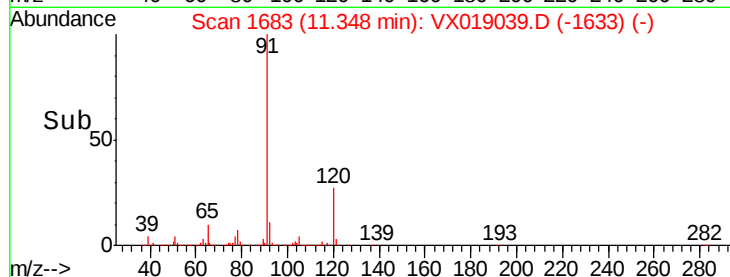
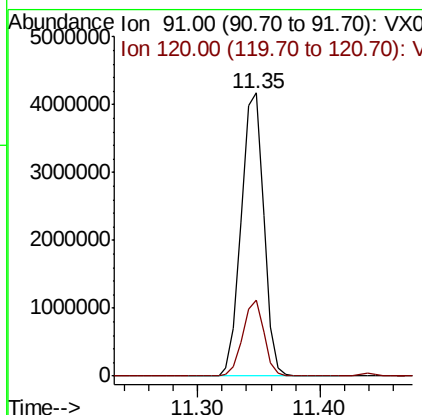
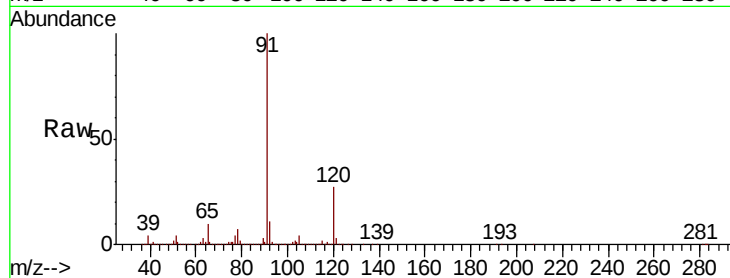




#78
n-propylbenzene
Concen: 242.967 ug/l
RT: 11.35 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VX019039.D
Acq: 22 Oct 2020 19:44

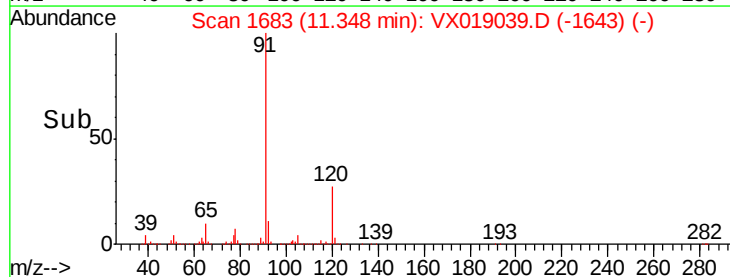
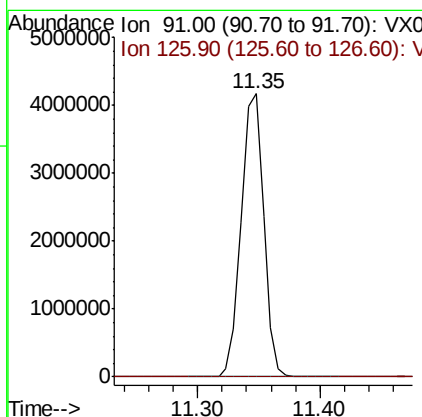
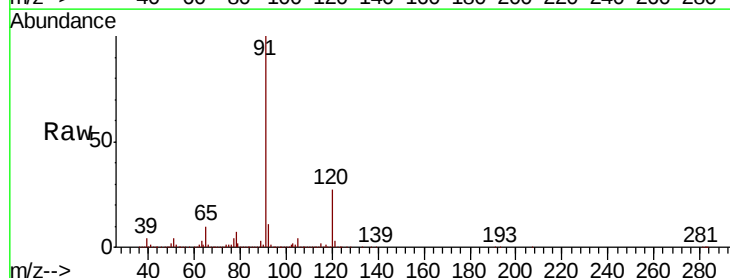
Instrument :
MSVOA_X
ClientSampleId :
MW-5

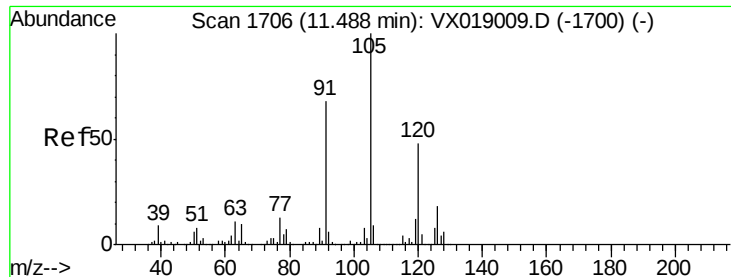
Tot Ion: 91 Resp: 5307978
Ion Ratio Lower Upper
91 100
120 25.3 12.1 36.3



#79
2-Chlorotoluene
Concen: 416.479 ug/l
RT: 11.35 min Scan# 1683
Delta R.T. -0.05 min
Lab File: VX019039.D
Acq: 22 Oct 2020 19:44

Tgt Ion: 91 Resp: 5307978
Ion Ratio Lower Upper
91 100
126 0.0 17.5 52.5#





#80

1,3,5-Trimethylbenzene

Concen: 10.933 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX019039.D

Acq: 22 Oct 2020 19:44

Instrument :

MSVOA_X

ClientSampleId :

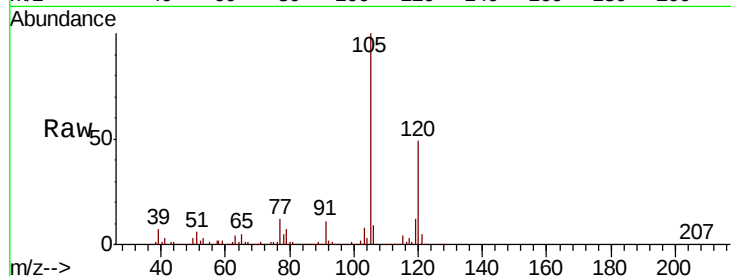
MW-5

Tot Ion:105 Resp: 174062

Ion Ratio Lower Upper

105 100

120 50.6 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.49

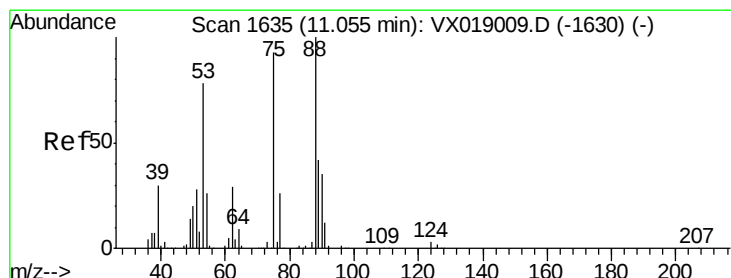
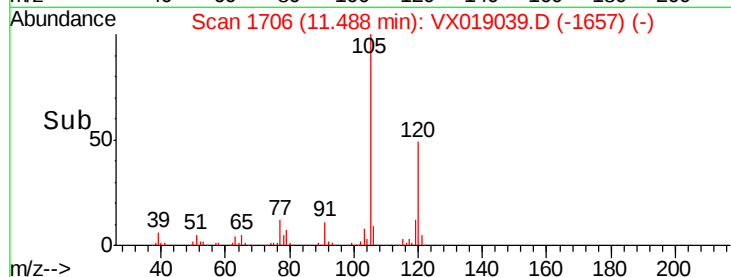
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 20.487 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.05 min

Lab File: VX019039.D

Acq: 22 Oct 2020 19:44

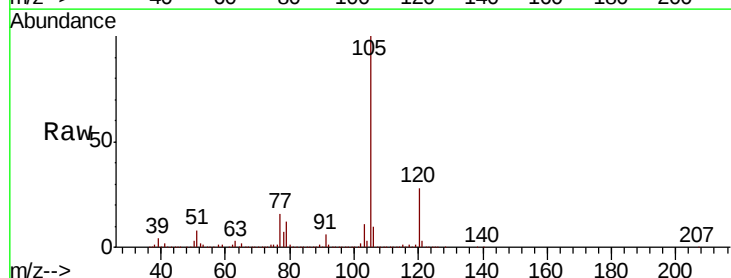
Tgt Ion: 75 Resp: 43073

Ion Ratio Lower Upper

75 100

53 95.1 67.4 101.2

89 114.7 37.2 55.8#



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

120000

100000

80000

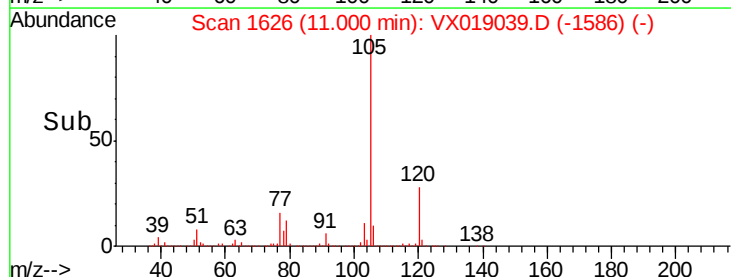
60000

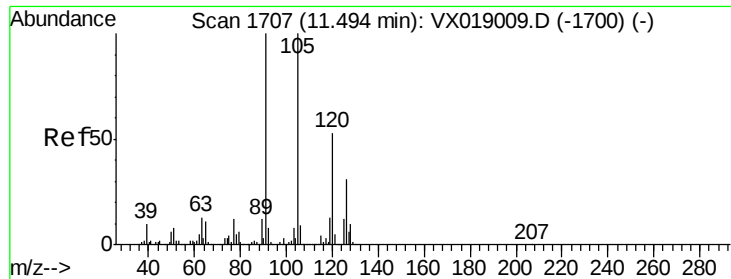
40000

20000

0

Time-->





#82

4-Chlorotoluene

Concen: 350.019 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. -0.15 min

Lab File: VX019039.D

Acq: 22 Oct 2020 19:44

Instrument :

MSVOA_X

ClientSampleId :

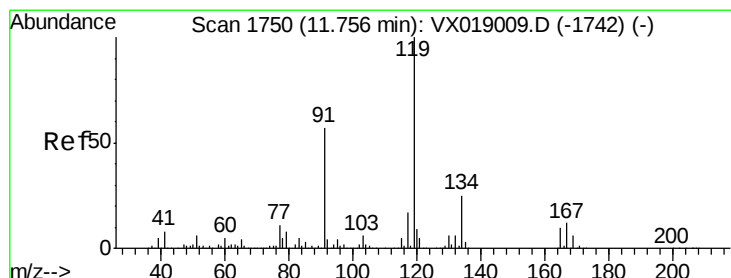
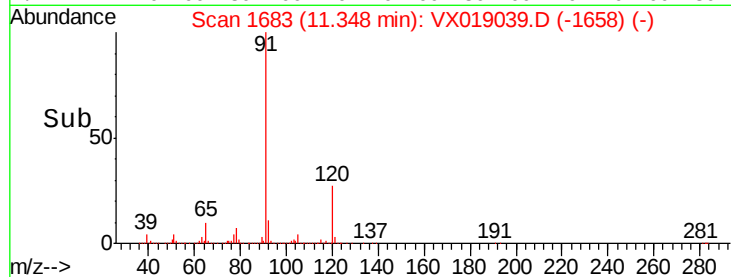
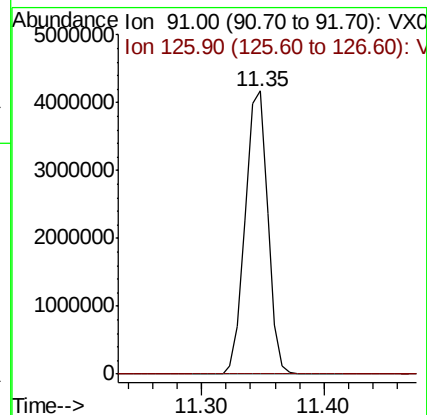
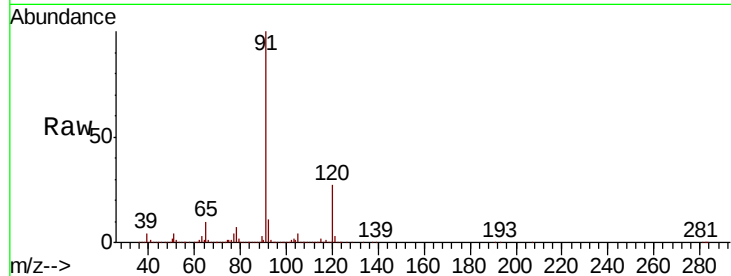
MW-5

Tot Ion: 91 Resp: 5307978

Ion Ratio Lower Upper

91 100

126 0.0 15.6 46.7#



#83

tert-Butylbenzene

Concen: 0.229 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX019039.D

Acq: 22 Oct 2020 19:44

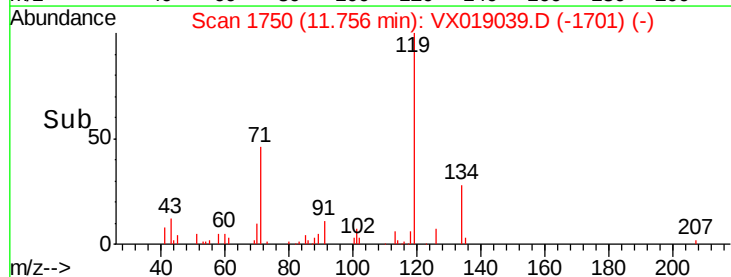
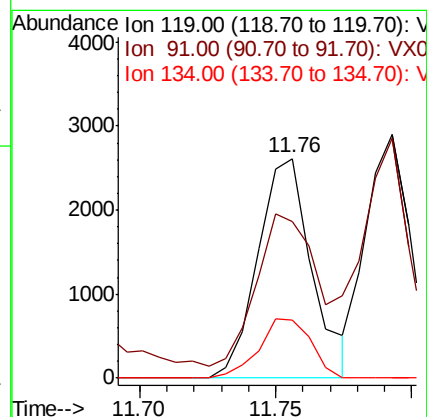
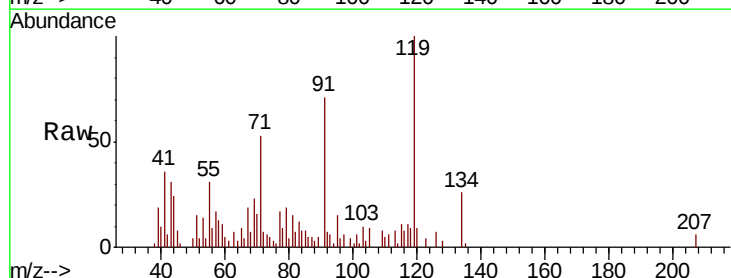
Tgt Ion: 119 Resp: 3597

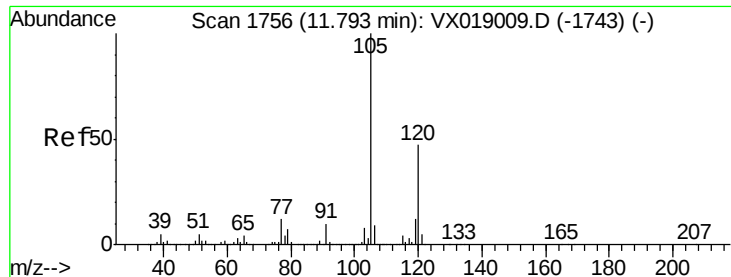
Ion Ratio Lower Upper

119 100

91 0.0 28.1 84.4#

134 0.0 11.8 35.3#

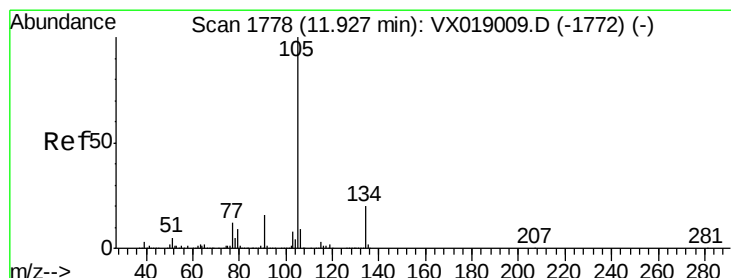
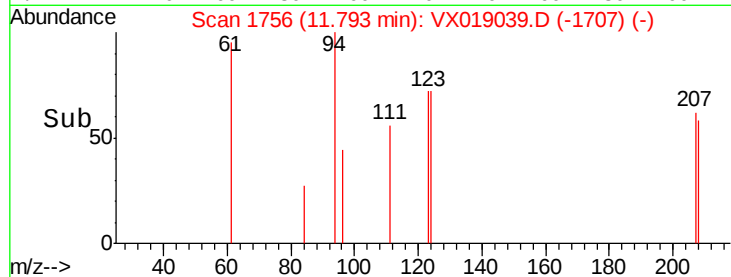
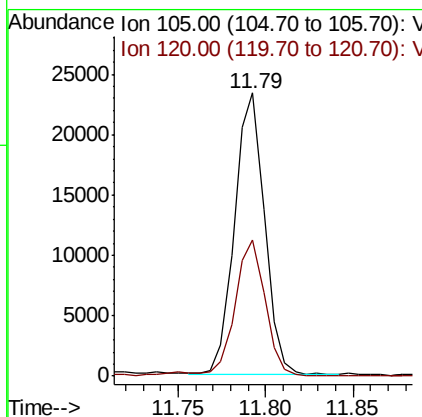
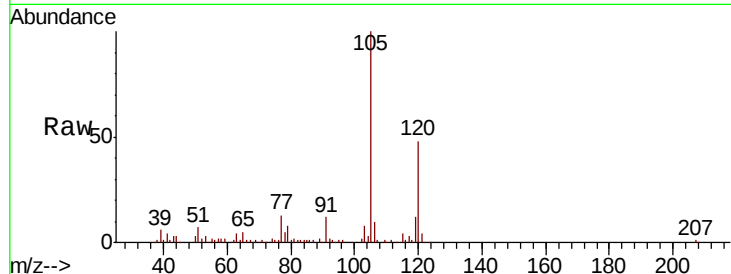




#84
 1,2,4-Trimethylbenzene
 Concen: 1.743 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX019039.D
 Acq: 22 Oct 2020 19:44

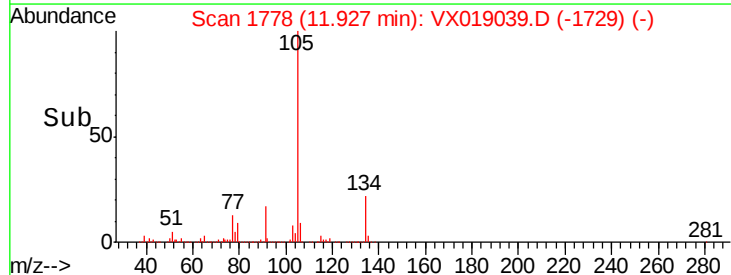
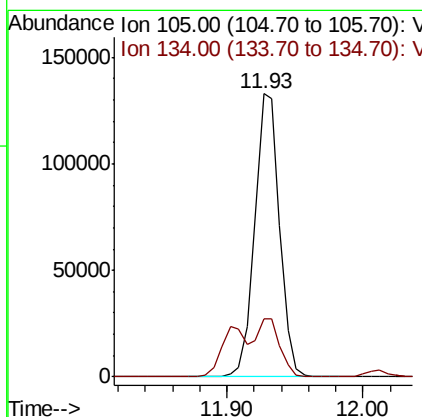
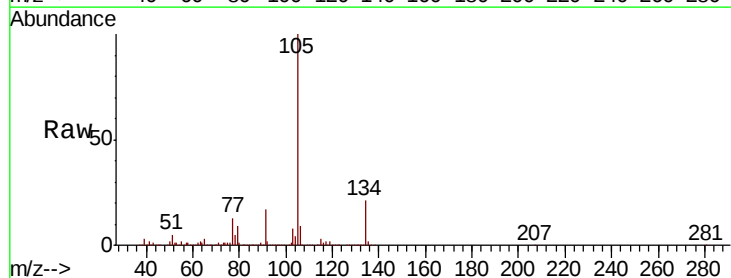
Instrument :
 MSVOA_X
 ClientSampled :
 MW-5

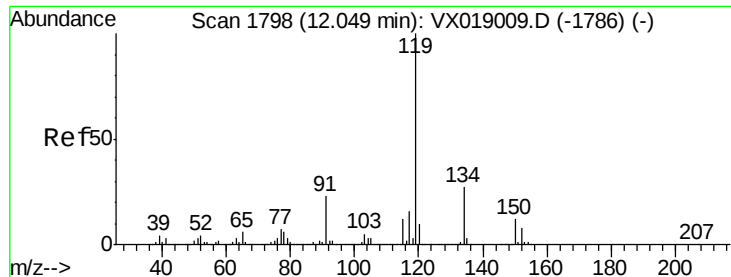
Tot Ion:105 Resp: 27788
 Ion Ratio Lower Upper
 105 100
 120 48.6 22.9 68.8



#85
 sec-Butylbenzene
 Concen: 8.968 ug/l
 RT: 11.93 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX019039.D
 Acq: 22 Oct 2020 19:44

Tgt Ion:105 Resp: 170202
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.4 31.1

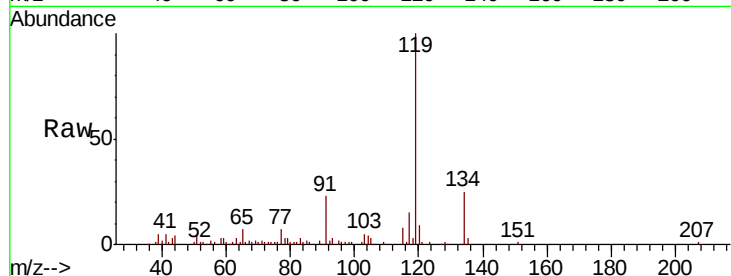




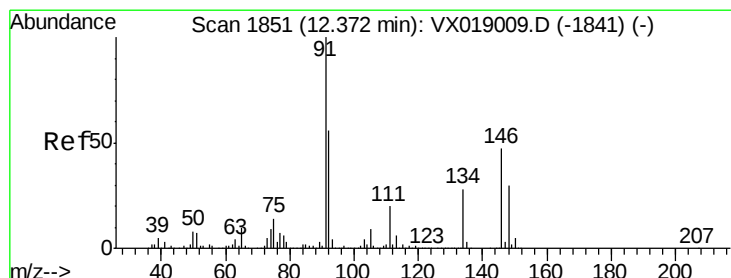
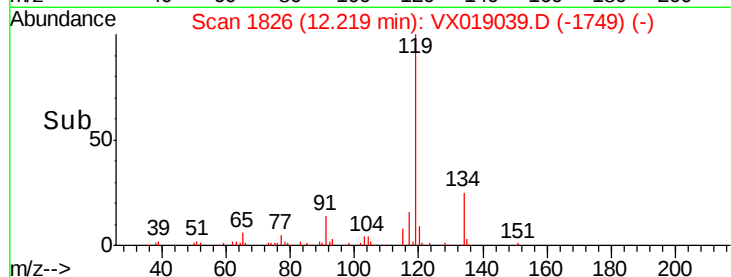
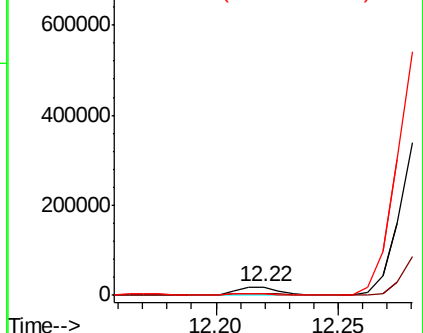
#86
p-Isopropyltoluene
Concen: 1.218 ug/l
RT: 12.22 min Scan# 1826
Delta R.T. 0.17 min
Lab File: VX019039.D
Acq: 22 Oct 2020 19:44

Instrument :
MSVOA_X
ClientSampleId :
MW-5

Tot Ion: 119 Resp: 21116
Ion Ratio Lower Upper
119 100
134 27.9 13.3 39.8
91 0.0 11.4 34.2#

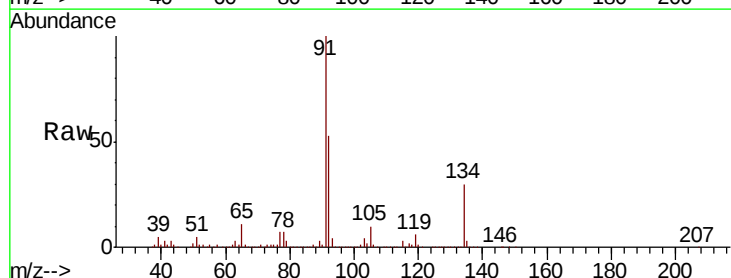


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

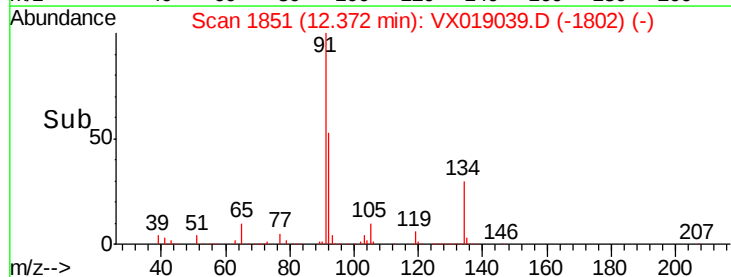
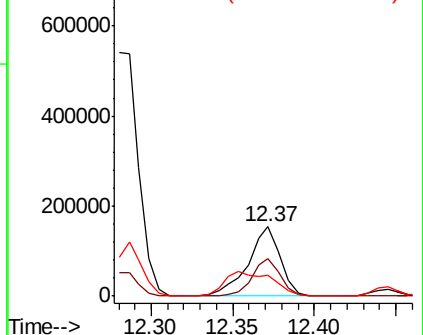


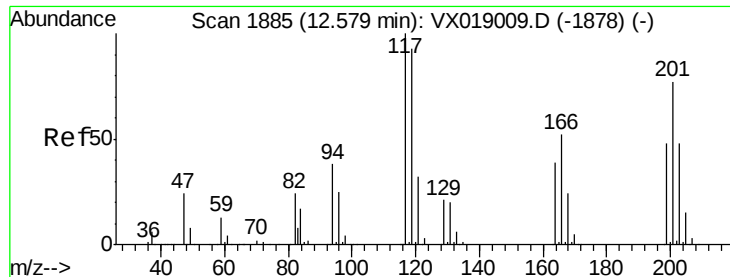
#89
n-Butylbenzene
Concen: 13.361 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX019039.D
Acq: 22 Oct 2020 19:44

Tgt Ion: 91 Resp: 212081
Ion Ratio Lower Upper
91 100
92 46.3 27.3 81.9
134 51.7 13.6 40.7#



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: 46.015 ug/l

RT: 12.65 min Scan# 1897

Delta R.T. 0.07 min

Lab File: VX019039.D

Acq: 22 Oct 2020 19:44

Instrument :

MSVOA_X

ClientSampled :

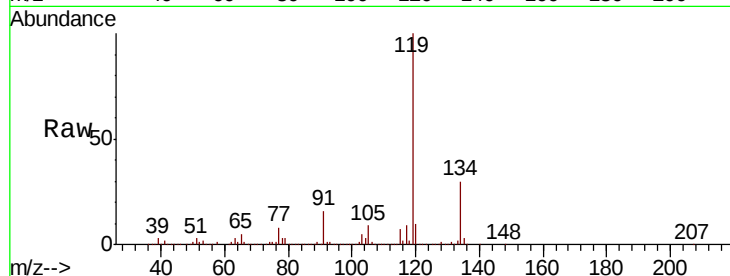
MW-5

Tot Ion:117 Resp: 122161

Ion Ratio Lower Upper

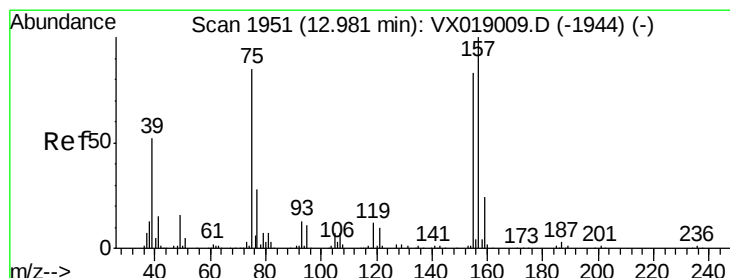
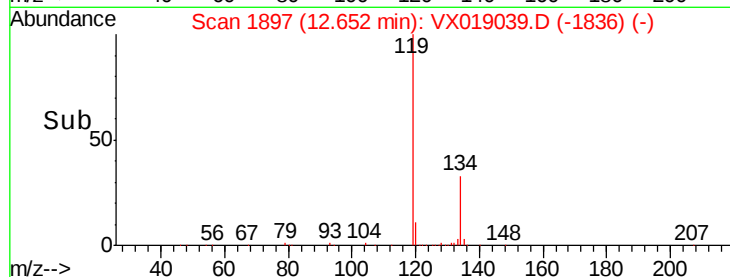
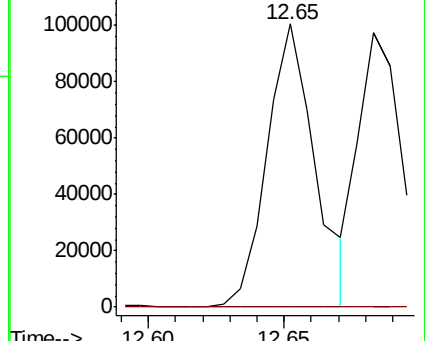
117 100

201 0.0 37.1 111.3#



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: 3.758 ug/l

RT: 12.96 min Scan# 1947

Delta R.T. -0.02 min

Lab File: VX019039.D

Acq: 22 Oct 2020 19:44

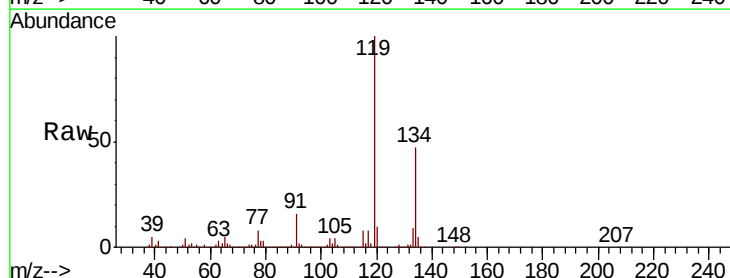
Tgt Ion: 75 Resp: 4970

Ion Ratio Lower Upper

75 100

155 0.0 47.3 142.0#

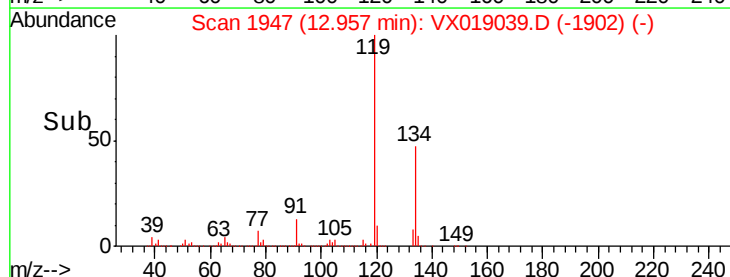
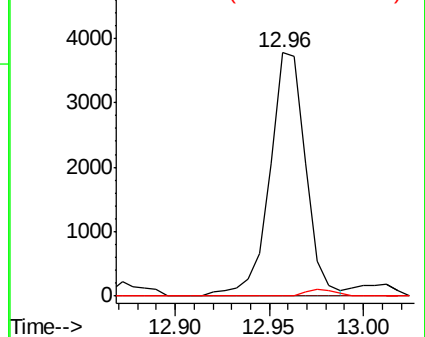
157 2.2 59.7 179.0#

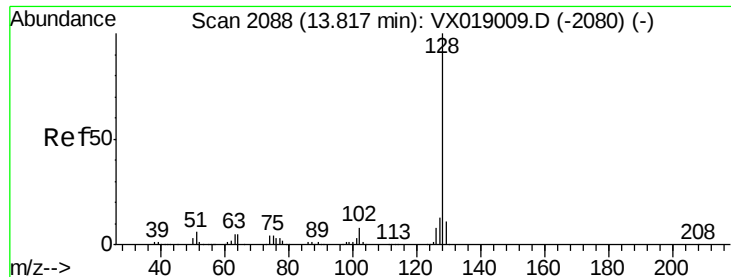


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



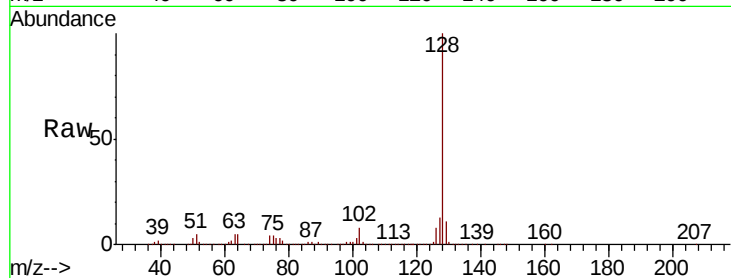


#95
 Naphthalene
 Concen: 231.558 ug/l
 RT: 13.82 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VX019039.D
 Acq: 22 Oct 2020 19:44

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5

Tot Ion:128 Resp: 4438953

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	11.4	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V
 5000000 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

