

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061920\
 Data File : VX016889.D
 Acq On : 19 Jun 2020 18:53
 Operator : JC/SP
 Sample : L3020-23
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-27

Quant Time: Jun 22 01:41:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 19 12:07:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	230666	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	363264	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	464546	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	243878	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	128834	46.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.88%	
35) Dibromofluoromethane	5.47	113	126694	54.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.04%	
50) Toluene-d8	8.70	98	448808	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
62) 4-Bromofluorobenzene	11.12	95	243264	68.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	136.58%	

Target Compounds

					Qvalue	
3) Chloromethane	1.31	50	15911	5.543	ug/l	98
10) Methyl Iodide	2.50	142	492	0.214	ug/l #	87
11) Tert butyl alcohol	3.02	59	2452	5.228	ug/l #	72
13) Acrolein	2.25	56	24116	84.815	ug/l #	1
14) Allyl chloride	2.82	41	25563	7.840	ug/l #	25
15) Acrylonitrile	3.16	53	3959	3.684	ug/l #	45
16) Acetone	2.42	43	72771	72.260	ug/l	99
17) Carbon Disulfide	2.55	76	1643	0.258	ug/l #	74
18) Methyl Acetate	2.75	43	8307	3.244	ug/l	93
20) Methylene Chloride	2.76	84	1696	0.702	ug/l #	17
23) Vinyl Acetate	3.79	43	7609	1.477	ug/l #	82
25) 2-Butanone	4.64	43	46717	33.707	ug/l	98
27) cis-1,2-Dichloroethene	4.57	96	720	0.275	ug/l	63
29) Tetrahydrofuran	5.10	42	328	0.376	ug/l #	58
30) Chloroform	5.18	83	3370	0.818	ug/l	97
31) Cyclohexane	5.55	56	557987	162.649	ug/l	98
36) 1,1-Dichloropropene	5.63	75	15230	4.541	ug/l #	49
37) Ethyl Acetate	4.64	43	46717	15.764	ug/l #	65
38) Carbon Tetrachloride	5.64	117	21610	5.742	ug/l #	15
39) Methylcyclohexane	7.44	83	1151225	295.187	ug/l	99
40) Benzene	6.11	78	13817	1.373	ug/l	98
41) Methacrylonitrile	5.03	41	4488	2.790	ug/l #	21
43) Isopropyl Acetate	6.43	43	15245	2.946	ug/l #	59
44) Trichloroethene	7.19	130	781	0.253	ug/l	68
46) Dibromomethane	7.62	93	968	0.564	ug/l #	1
47) Bromodichloromethane	7.88	83	1699	0.466	ug/l #	78
48) Methyl methacrylate	7.71	41	53547	21.973	ug/l #	47
51) 4-Methyl-2-Pentanone	8.65	43	28144	9.042	ug/l #	50
52) Toluene	8.76	92	122272	18.314	ug/l	99
55) 1,1,2-Trichloroethane	9.15	97	132589	52.598	ug/l #	20
56) Ethyl methacrylate	9.15	69	37037	10.149	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.35	63	798	0.470	ug/l #	42
59) 2-Hexanone	9.47	43	4836	2.145	ug/l	94
60) Dibromochloromethane	9.56	129	2972	0.983	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

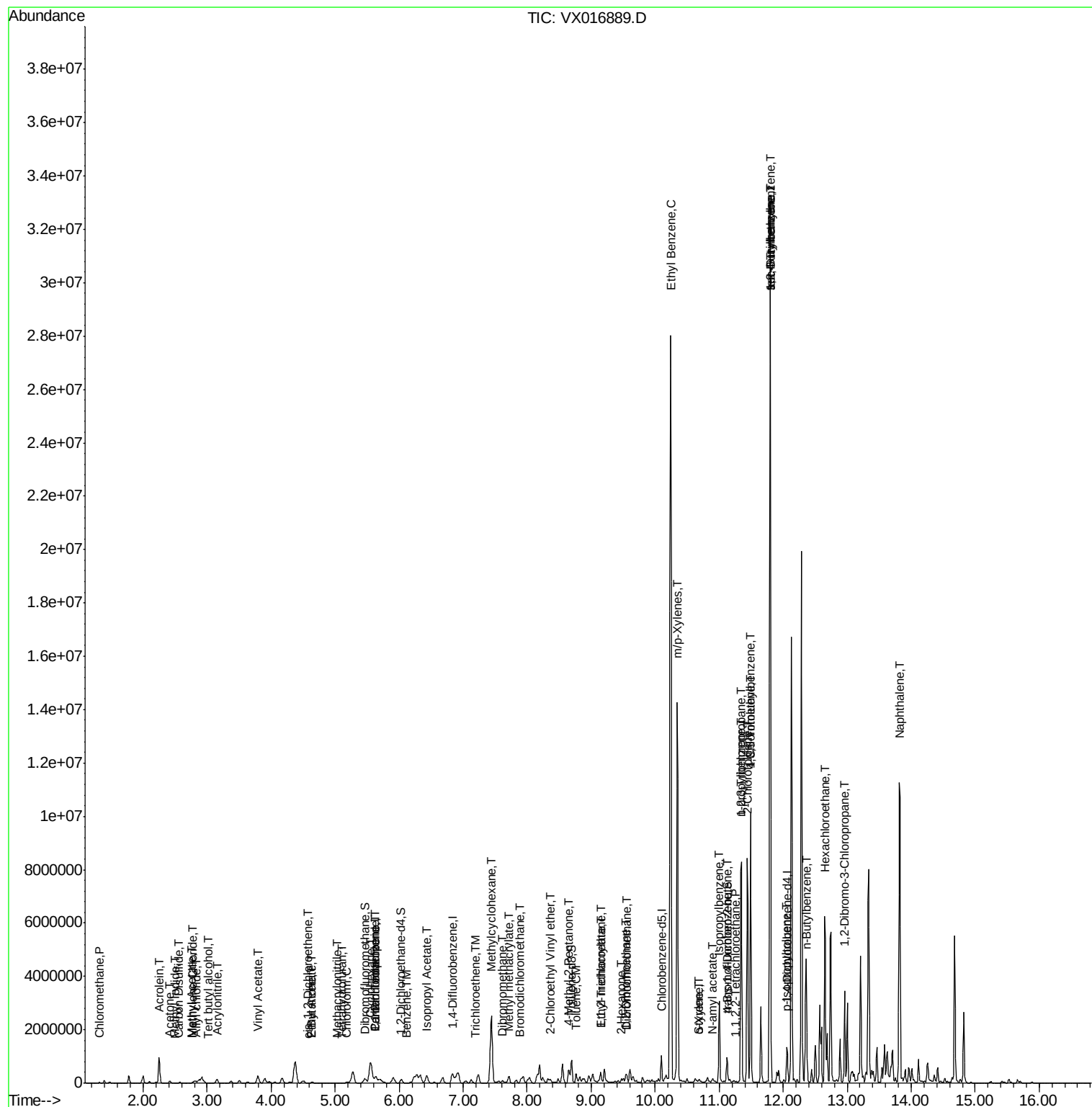
61) 1,2-Dibromoethane	9.56	107	1595	0.583	ug/l	92
67) Ethyl Benzene	10.24	91	14699242	926.126	ug/l #	70
68) m/p-Xylenes	10.35	106	3234968	523.777	ug/l	97
69) o-Xylene	10.68	106	24495	4.289	ug/l	98
70) Styrene	10.69	104	2707	0.279	ug/l #	1
73) Isopropylbenzene	11.00	105	1667486	106.195	ug/l	100
74) N-amyl acetate	10.90	43	4656	0.849	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.26	83	2903	0.655	ug/l #	50
76) 1,2,3-Trichloropropane	11.34	75	32997	7.408	ug/l #	1
78) n-propylbenzene	11.35	91	5264686	300.428	ug/l	99
79) 2-Chlorotoluene	11.44	91	457824	42.700	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.49	105	4221821	311.623	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.12	75	114465	62.934	ug/l #	14
82) 4-Chlorotoluene	11.49	91	442943	34.435	ug/l #	45
83) tert-Butylbenzene	11.80	119	2096102	156.372	ug/l #	60
84) 1,2,4-Trimethylbenzene	11.80	105	13495147	966.997	ug/l	85
85) sec-Butylbenzene	11.80	105	13495147	866.855	ug/l #	55
86) p-Isopropyltoluene	12.05	119	130042	9.117	ug/l #	77
89) n-Butylbenzene	12.37	91	768984	62.869	ug/l #	29
90) Hexachloroethane	12.65	117	239830	93.340	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	12.96	75	10642	10.123	ug/l #	1
95) Naphthalene	13.82	128	7156727	480.641	ug/l	98

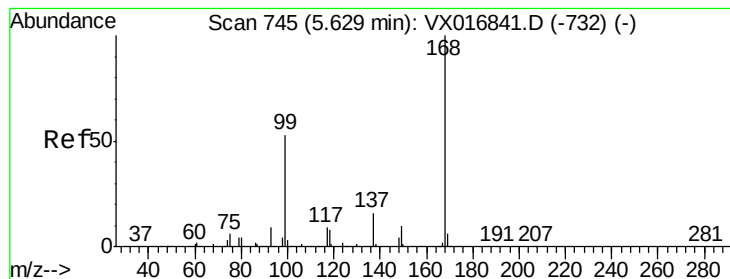
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX016889.D

Acq: 19 Jun 2020 18:53

Instrument :

MSVOA_X

ClientSampled :

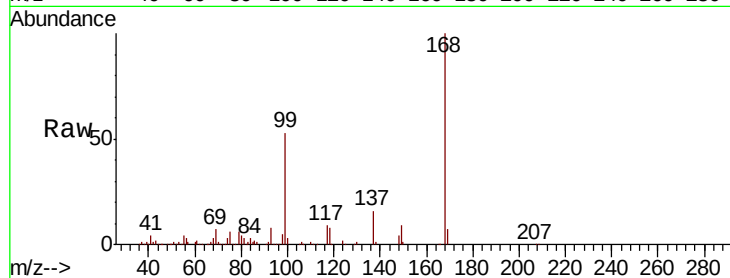
MW-27

Tot Ion:168 Resp: 230666

Ion Ratio Lower Upper

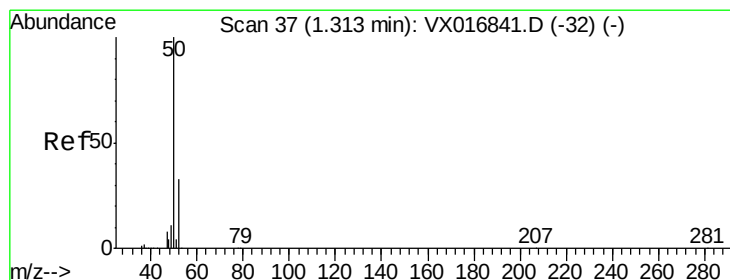
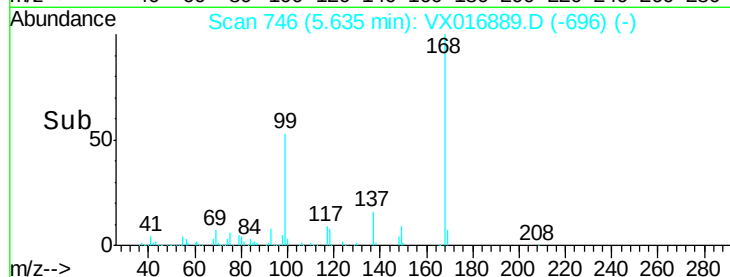
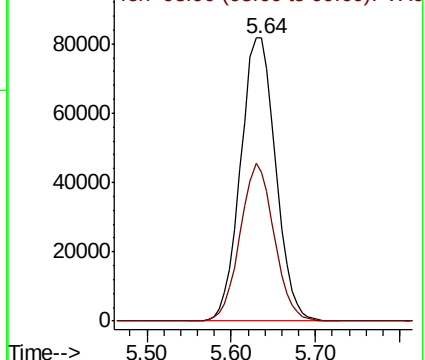
168 100

99 52.8 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 5.543 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016889.D

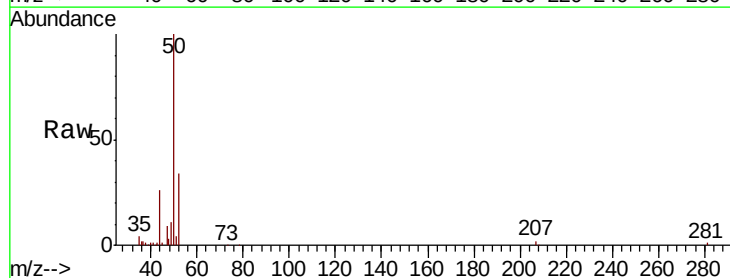
Acq: 19 Jun 2020 18:53

Tgt Ion: 50 Resp: 15911

Ion Ratio Lower Upper

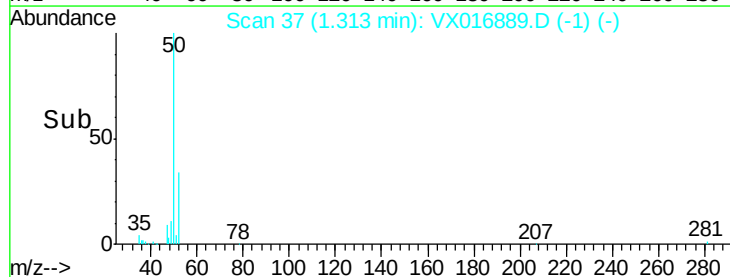
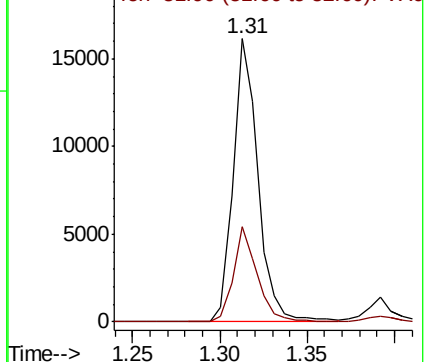
50 100

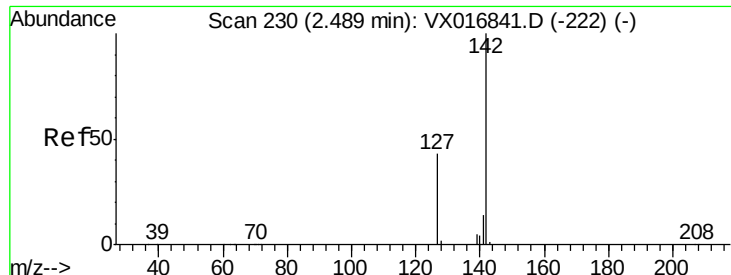
52 33.8 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

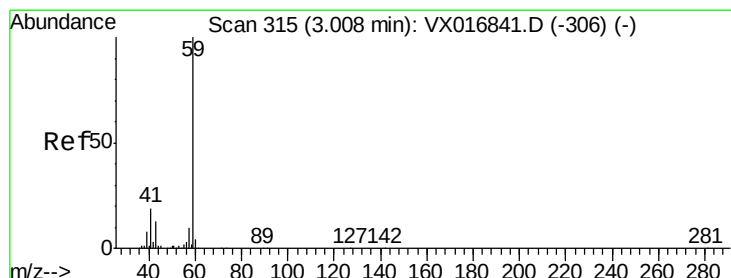
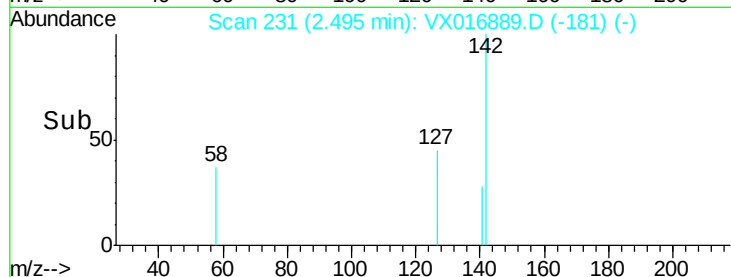
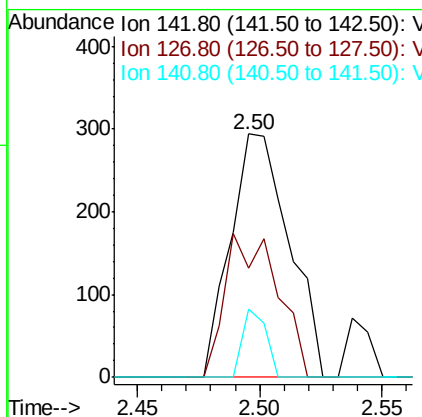
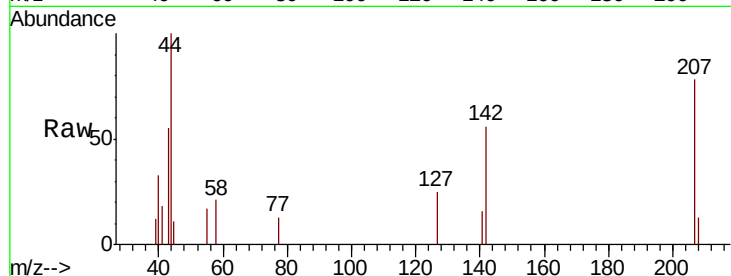




#10
Methvl Iodide
Concen: 0.214 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX016889.D
Acq: 19 Jun 2020 18:53

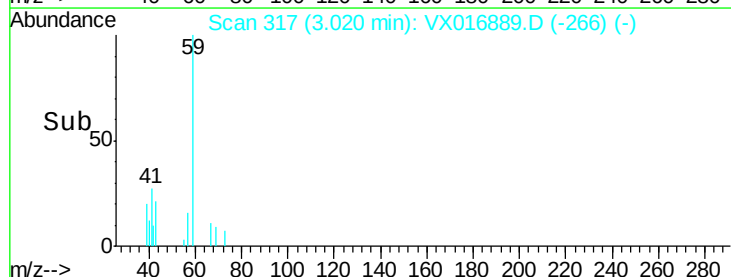
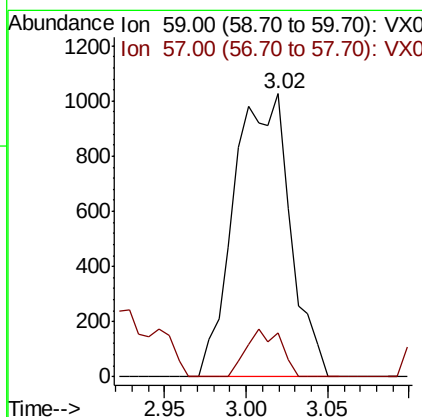
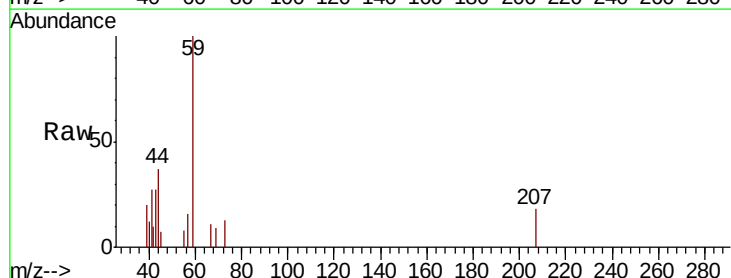
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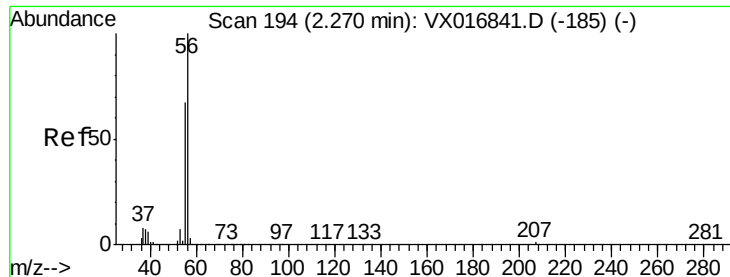
Tot Ion:142 Resp: 492
Ion Ratio Lower Upper
142 100
127 52.8 35.1 52.7#
141 11.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 5.228 ug/l
RT: 3.02 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX016889.D
Acq: 19 Jun 2020 18:53

Tgt Ion: 59 Resp: 2452
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#





#13

Acrolein

Concen: 84.815 ug/l

RT: 2.25 min Scan# 191

Delta R.T. -0.02 min

Lab File: VX016889.D

Acq: 19 Jun 2020 18:53

Instrument :

MSVOA_X

ClientSampleId :

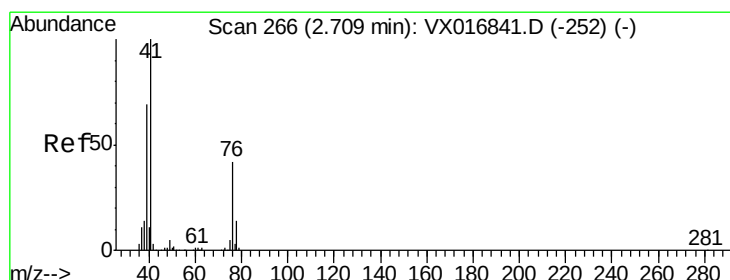
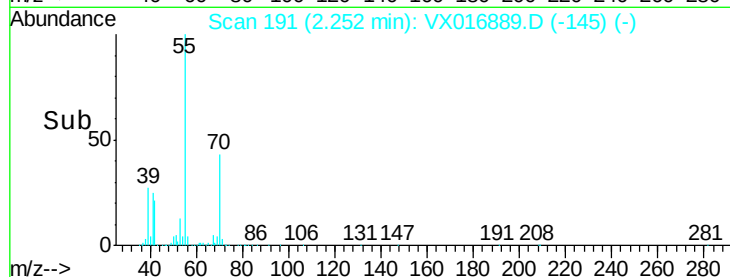
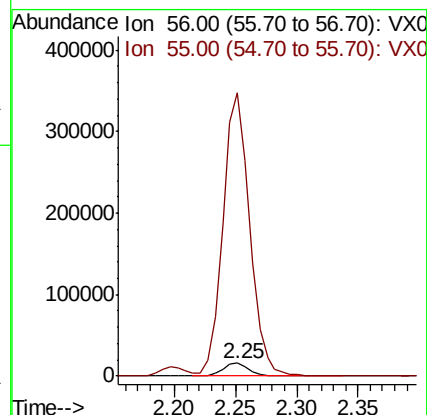
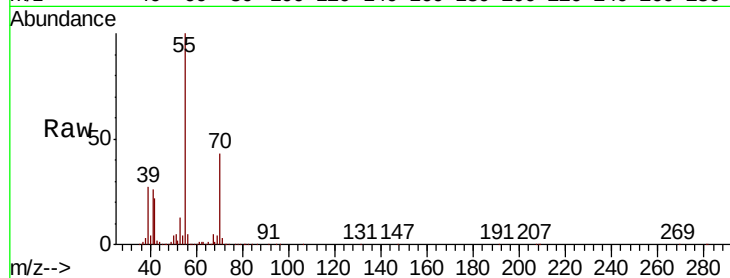
MW-27

Tot Ion: 56 Resp: 24116

Ion Ratio Lower Upper

56 100

55 2187.2 55.7 83.5#



#14

Allyl chloride

Concen: 7.840 ug/l

RT: 2.82 min Scan# 285

Delta R.T. 0.12 min

Lab File: VX016889.D

Acq: 19 Jun 2020 18:53

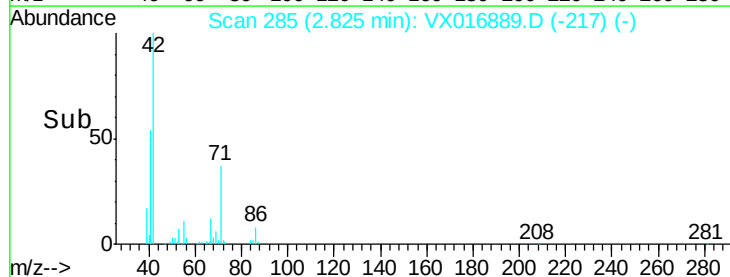
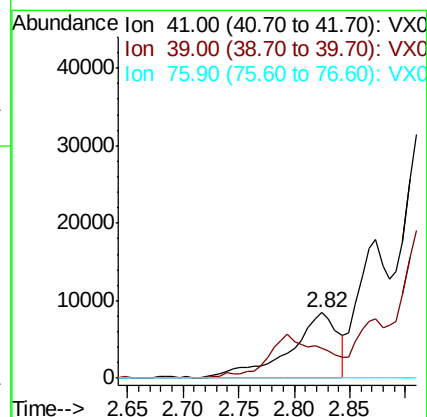
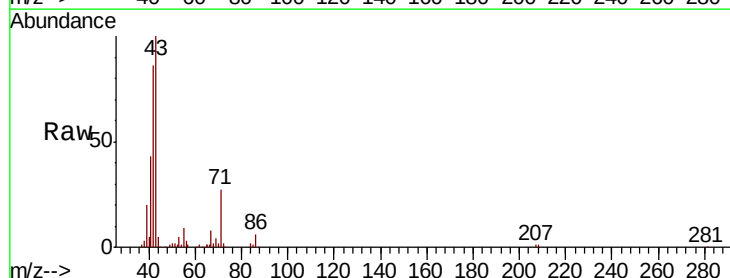
Tgt Ion: 41 Resp: 25563

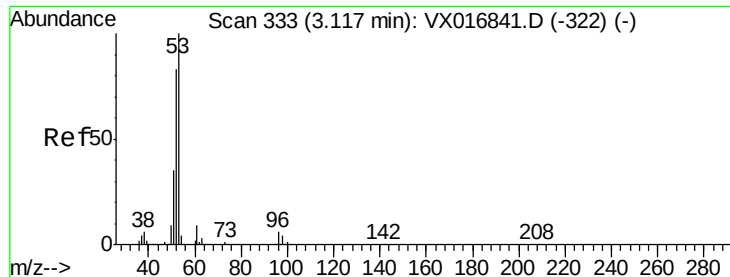
Ion Ratio Lower Upper

41 100

39 0.0 50.7 76.1#

76 0.0 30.9 46.3#





#15

Acrylonitrile

Concen: 3.684 ug/l

RT: 3.16 min Scan# 340

Delta R.T. 0.04 min

Lab File: VX016889.D

Acq: 19 Jun 2020 18:53

Instrument :

MSVOA_X

ClientSampleId :

MW-27

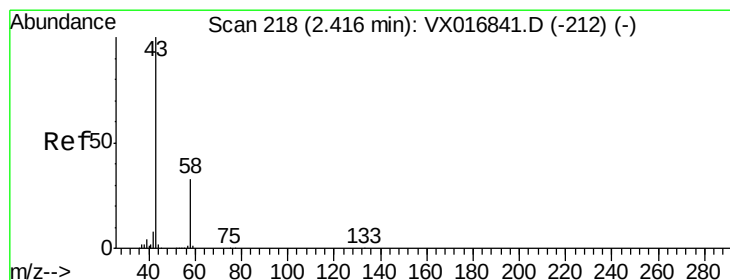
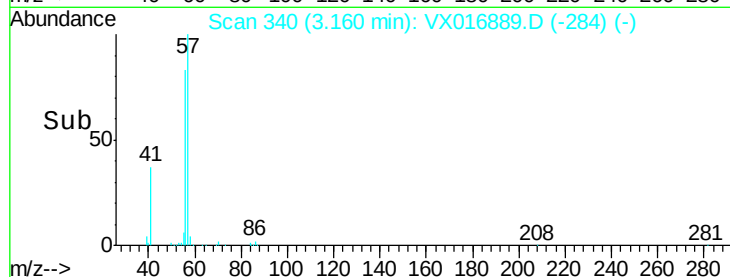
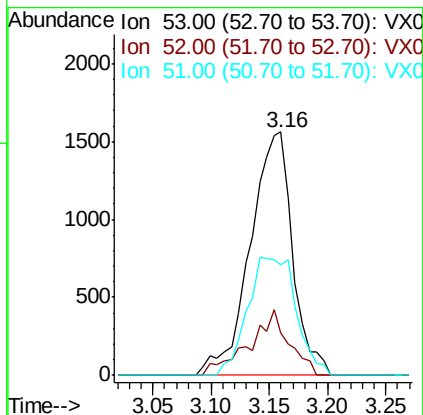
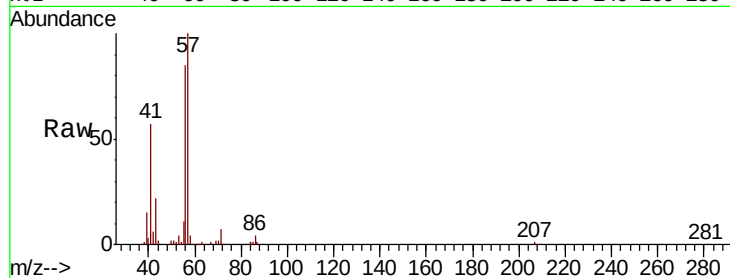
Tot Ion: 53 Resp: 3959

Ion Ratio Lower Upper

53 100

52 25.3 66.2 99.2#

51 55.5 28.7 43.1#



#16

Acetone

Concen: 72.260 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX016889.D

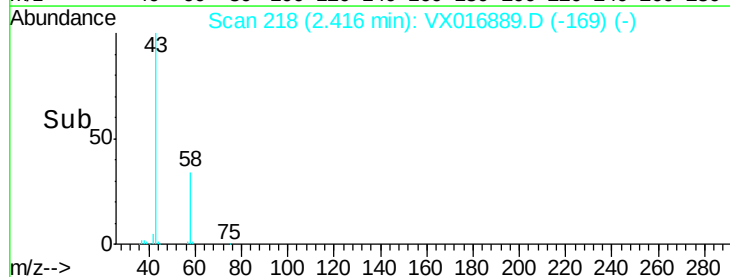
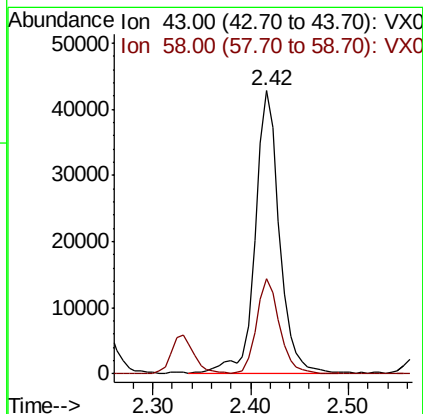
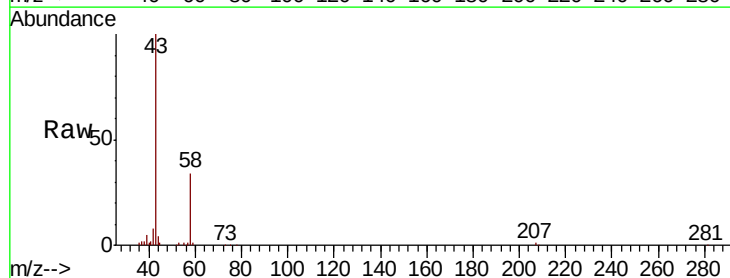
Acq: 19 Jun 2020 18:53

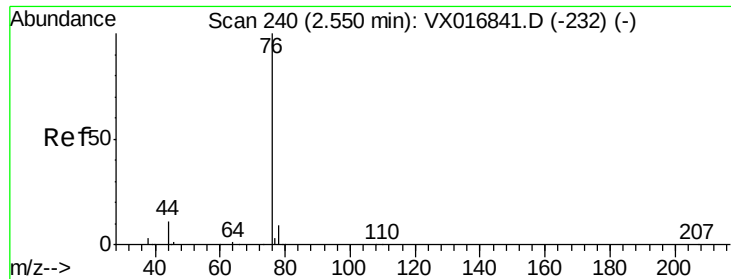
Tgt Ion: 43 Resp: 72771

Ion Ratio Lower Upper

43 100

58 33.7 26.6 39.8

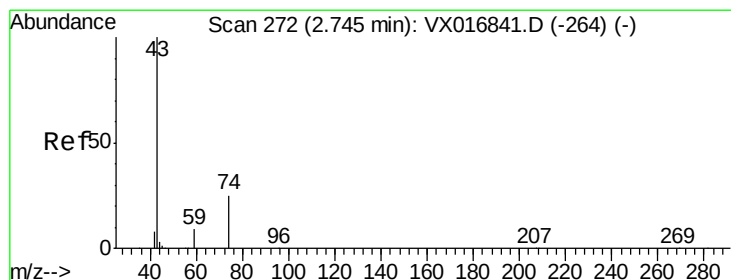
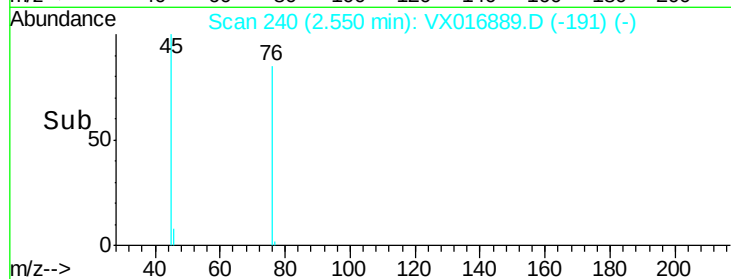
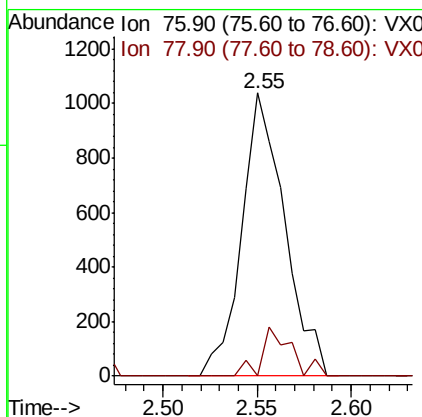
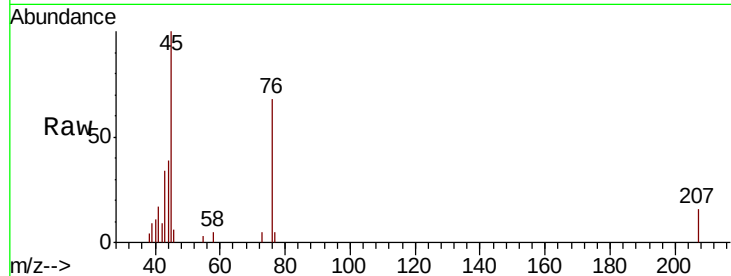




#17
Carbon Disulfide
Concen: 0.258 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX016889.D
Acq: 19 Jun 2020 18:53

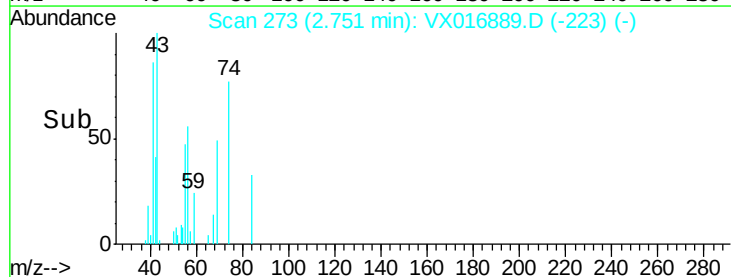
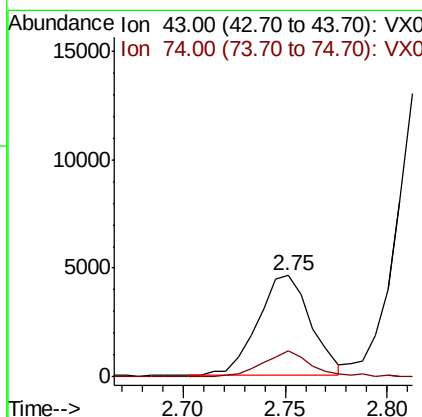
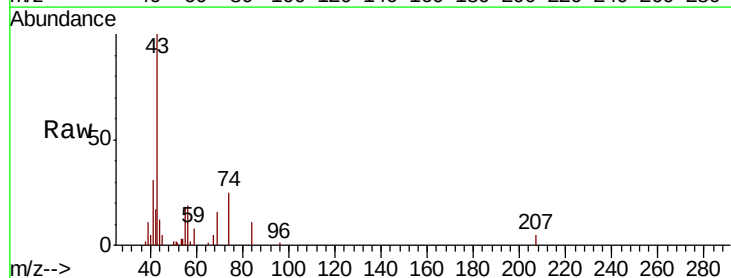
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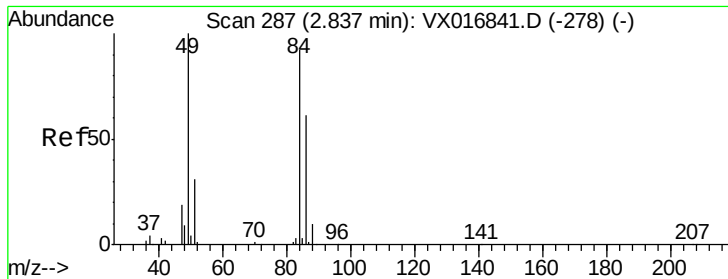
Tot Ion: 76 Resp: 1643
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#18
Methyl Acetate
Concen: 3.244 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX016889.D
Acq: 19 Jun 2020 18:53

Tgt Ion: 43 Resp: 8307
Ion Ratio Lower Upper
43 100
74 23.6 21.8 32.8

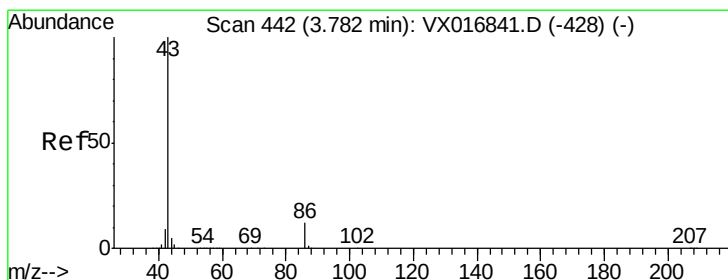
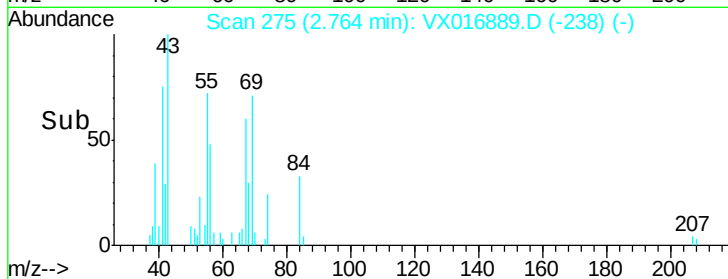
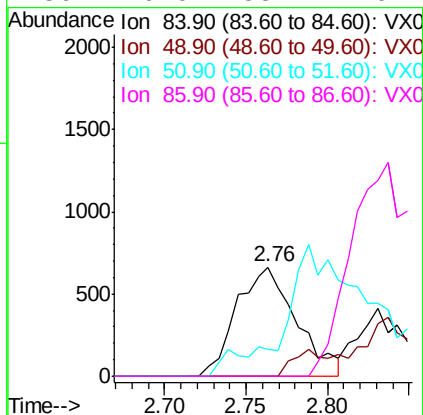
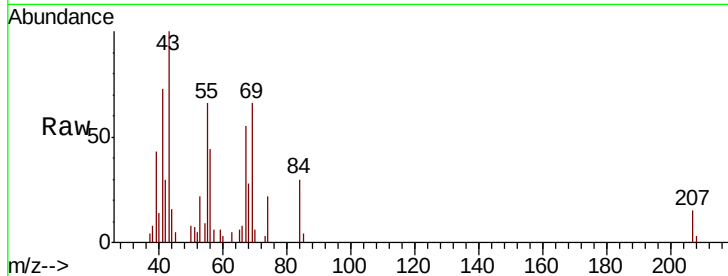




#20
Methylene Chloride
Concen: 0.702 ug/l
RT: 2.76 min Scan# 275
Delta R.T. -0.07 min
Lab File: VX016889.D
Acq: 19 Jun 2020 18:53

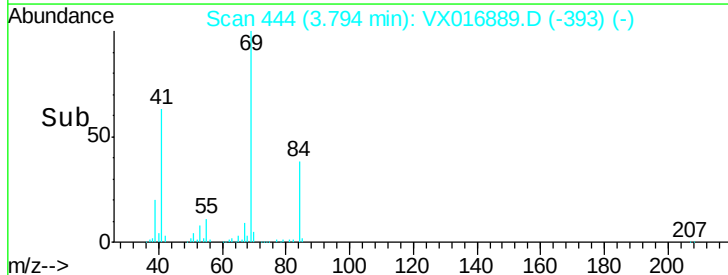
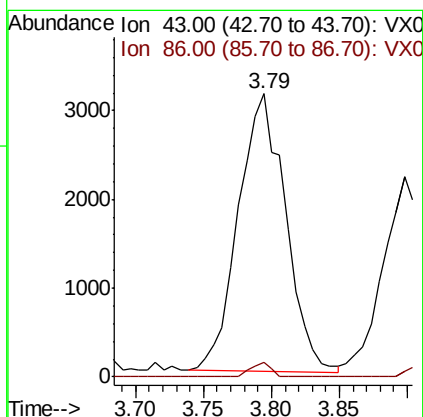
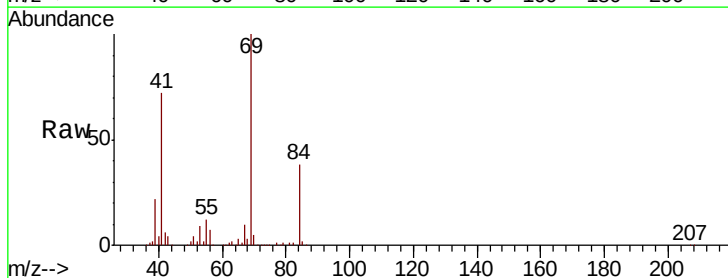
Instrument :
MSVOA_X
ClientSampleId :
MW-27

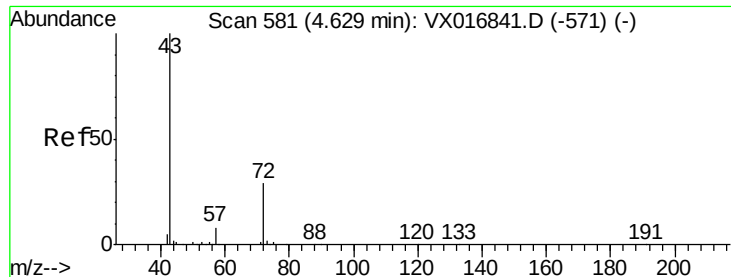
Tot Ion	84	Resp	1696
Ion	Ratio	Lower	Upper
84	100		
49	0.0	86.6	129.8#
51	24.6	27.1	40.7#
86	0.0	53.1	79.7#



#23
Vinyl Acetate
Concen: 1.477 ug/l
RT: 3.79 min Scan# 444
Delta R.T. 0.01 min
Lab File: VX016889.D
Acq: 19 Jun 2020 18:53

Tgt Ion	43	Resp	7609
Ion	Ratio	Lower	Upper
43	100		
86	5.3	9.9	14.9#





#25

2-Butanone

Concen: 33.707 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX016889.D

Acq: 19 Jun 2020 18:53

Instrument :

MSVOA_X

ClientSampled :

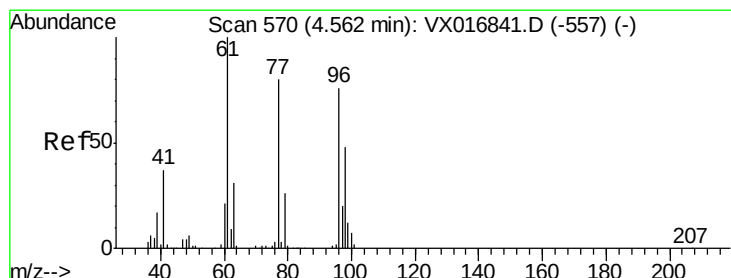
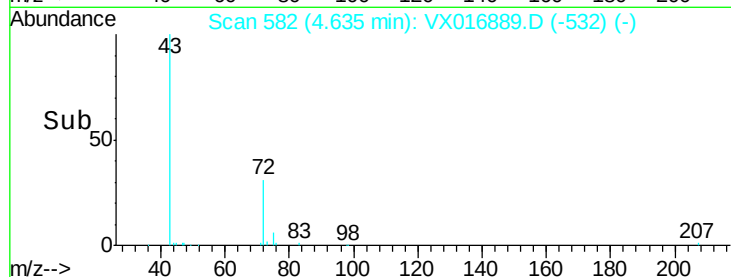
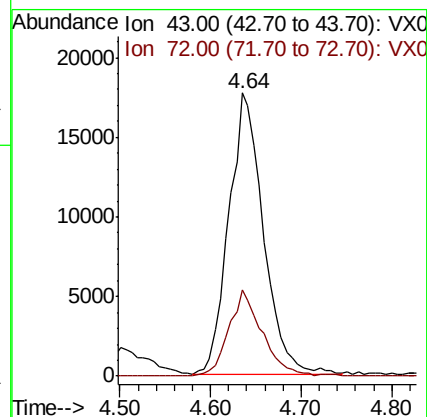
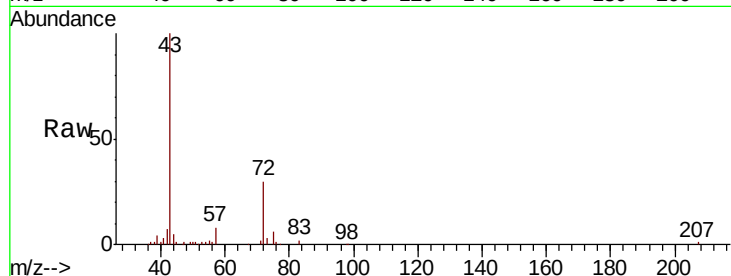
MW-27

Tot Ion: 43 Resp: 46717

Ion Ratio Lower Upper

43 100

72 30.5 23.5 35.3



#27

cis-1,2-Dichloroethene

Concen: 0.275 ug/l

RT: 4.57 min Scan# 572

Delta R.T. 0.01 min

Lab File: VX016889.D

Acq: 19 Jun 2020 18:53

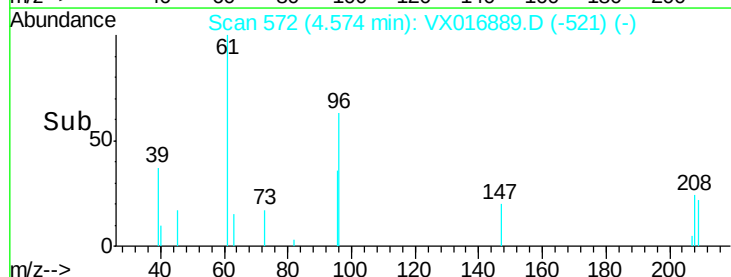
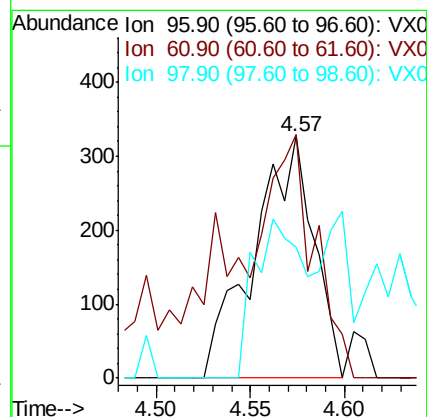
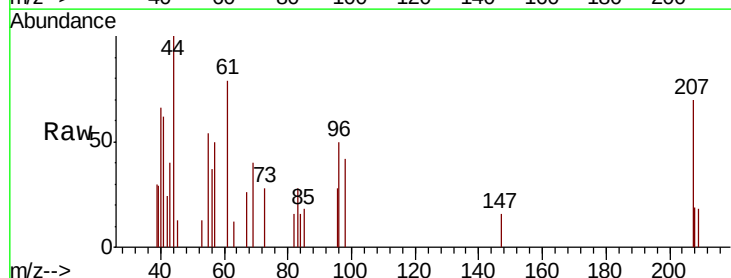
Tgt Ion: 96 Resp: 720

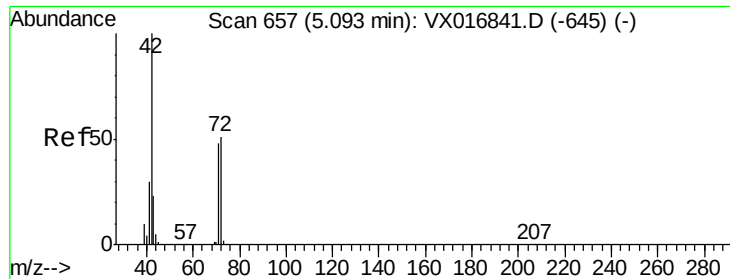
Ion Ratio Lower Upper

96 100

61 80.3 0.0 273.8

98 52.5 0.0 129.0





#29

Tetrahydrofuran

Concen: 0.376 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX016889.D

Acq: 19 Jun 2020 18:53

Instrument :

MSVOA_X

ClientSampleId :

MW-27

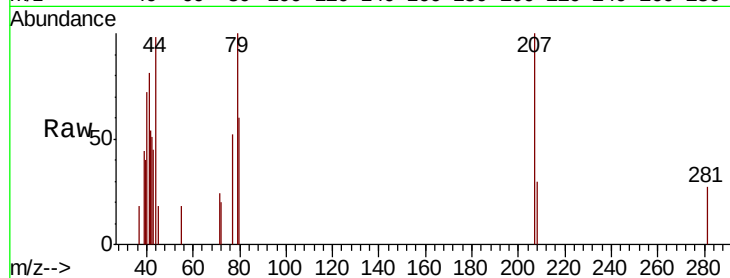
Tot Ion: 42 Resp: 328

Ion Ratio Lower Upper

42 100

72 40.9 41.1 61.7#

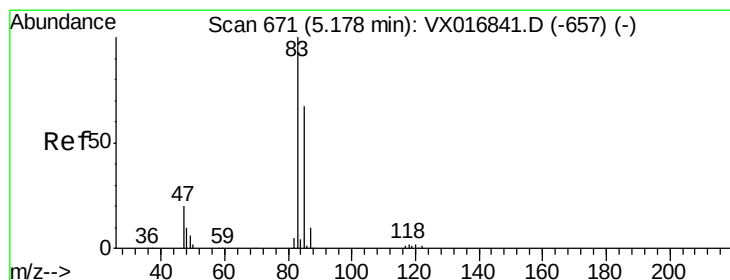
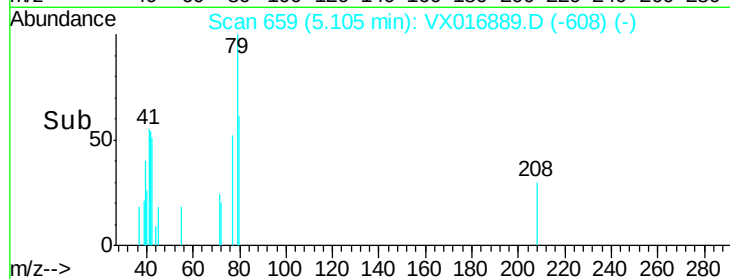
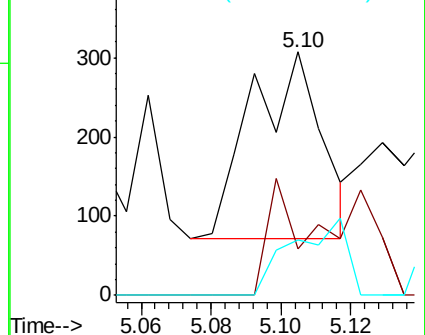
71 0.0 38.4 57.6#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 0.818 ug/l

RT: 5.18 min Scan# 671

Delta R.T. -0.00 min

Lab File: VX016889.D

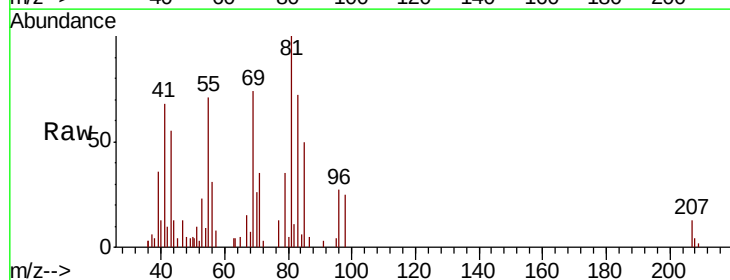
Acq: 19 Jun 2020 18:53

Tgt Ion: 83 Resp: 3370

Ion Ratio Lower Upper

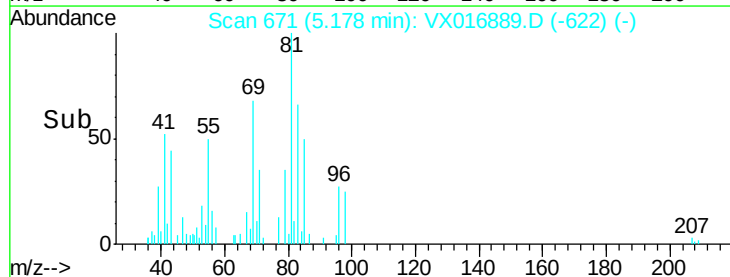
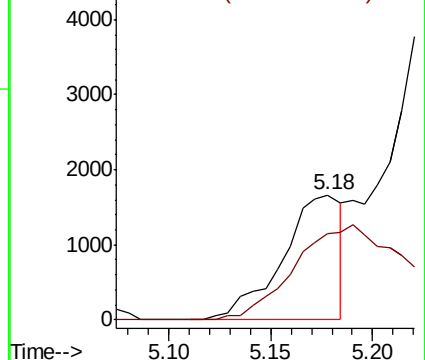
83 100

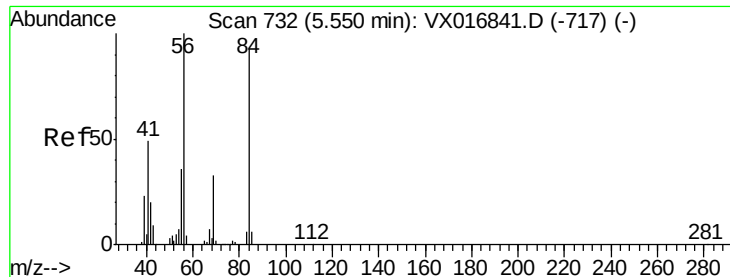
85 69.1 53.4 80.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

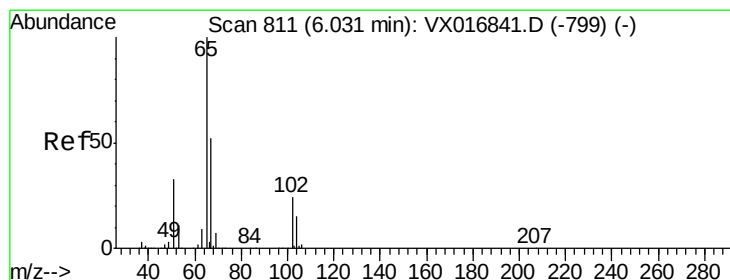
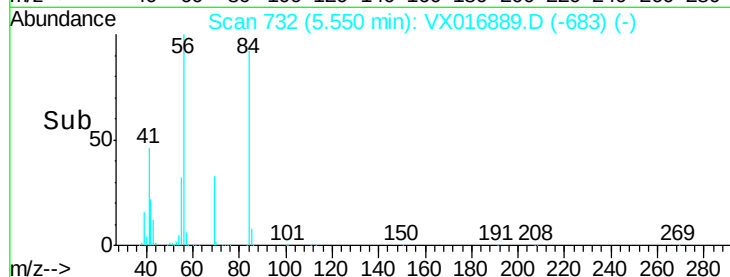
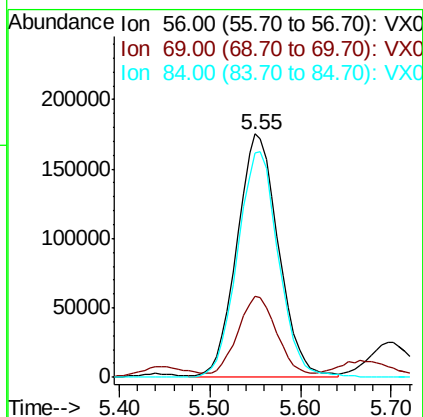
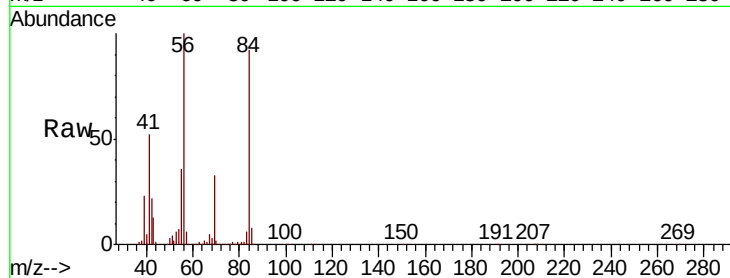




#31
Cyclohexane
Concen: 162.649 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: VX016889.D
Acq: 19 Jun 2020 18:53

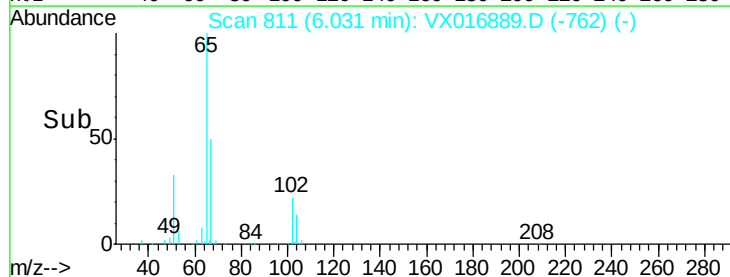
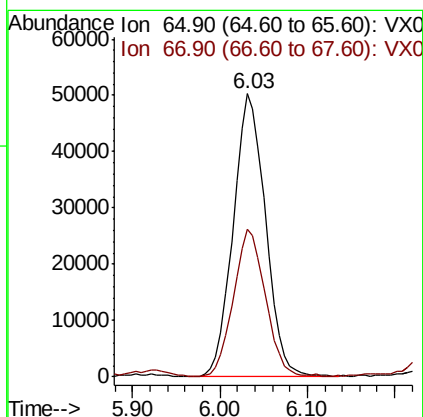
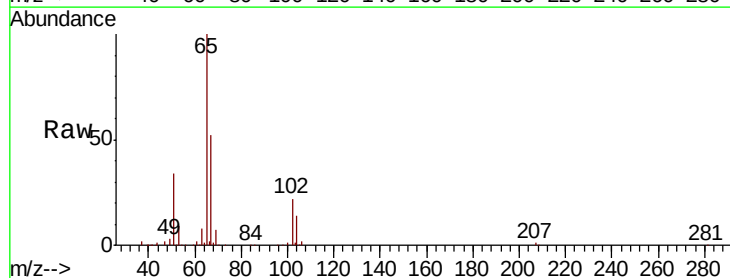
Instrument :
MSVOA_X
ClientSampleId :
MW-27

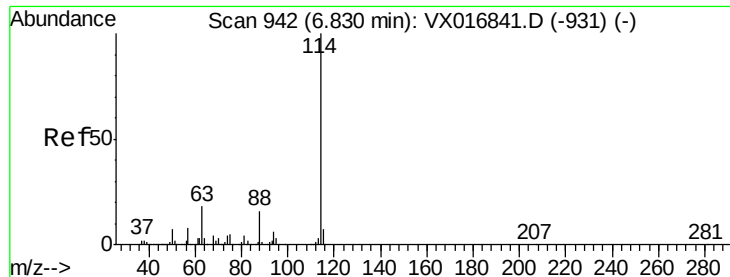
Tot Ion: 56 Resp: 557987
Ion Ratio Lower Upper
56 100
69 31.0 26.1 39.1
84 92.5 73.0 109.6



#33
1,2-Dichloroethane-d4
Concen: 46.441 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016889.D
Acq: 19 Jun 2020 18:53

Tgt Ion: 65 Resp: 128834
Ion Ratio Lower Upper
65 100
67 50.7 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016889.D

Acq: 19 Jun 2020 18:53

Instrument :

MSVOA_X

ClientSampleId :

MW-27

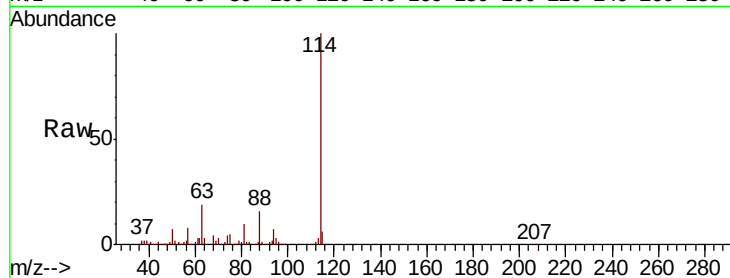
Tot Ion:114 Resp: 363264

Ion Ratio Lower Upper

114 100

63 18.7 0.0 37.0

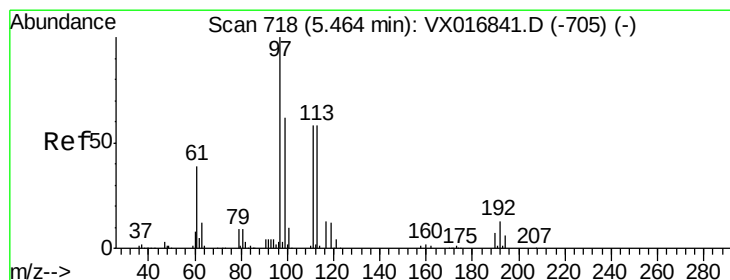
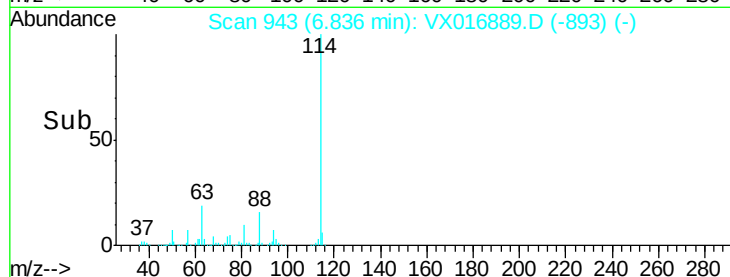
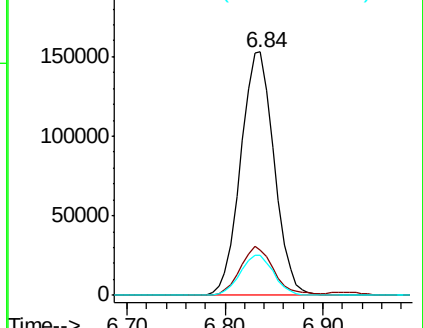
88 16.3 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 54.520 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016889.D

Acq: 19 Jun 2020 18:53

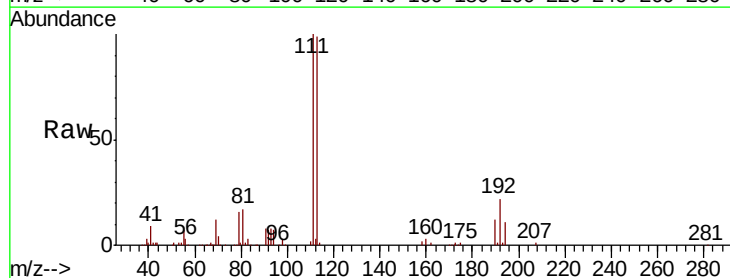
Tgt Ion:113 Resp: 126694

Ion Ratio Lower Upper

113 100

111 101.6 81.0 121.4

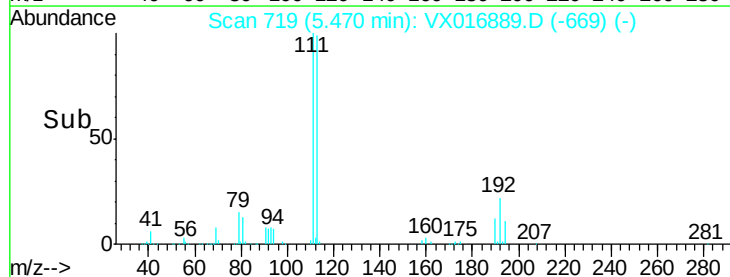
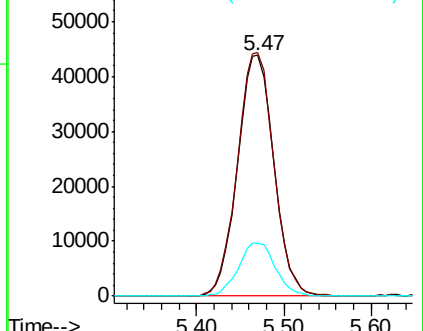
192 22.5 18.5 27.7

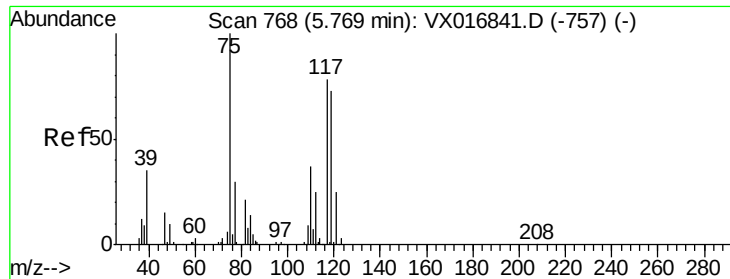


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

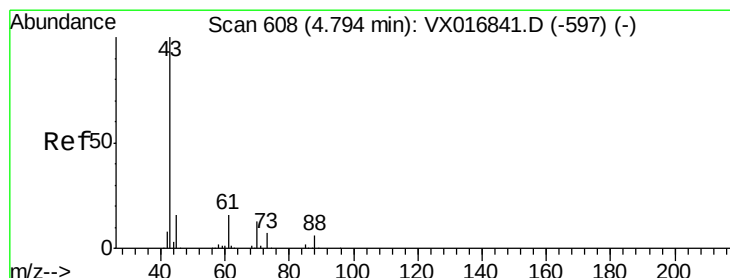
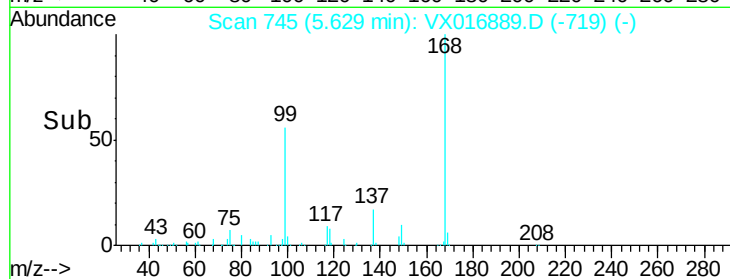
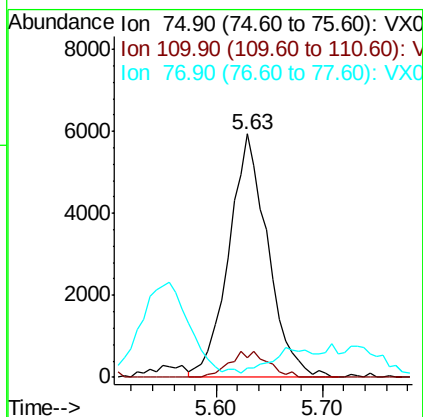
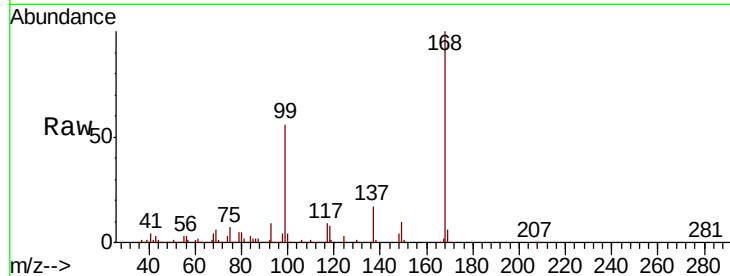




#36
 1,1-Dichloropropene
 Concen: 4.541 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016889.D
 Acq: 19 Jun 2020 18:53

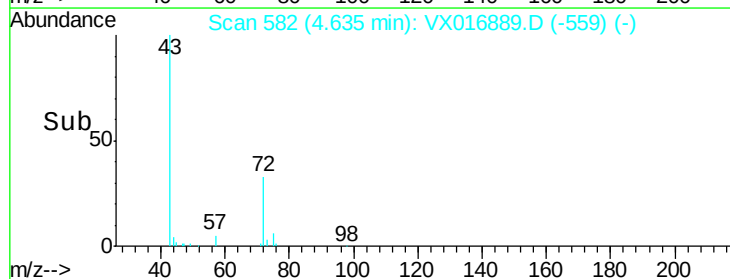
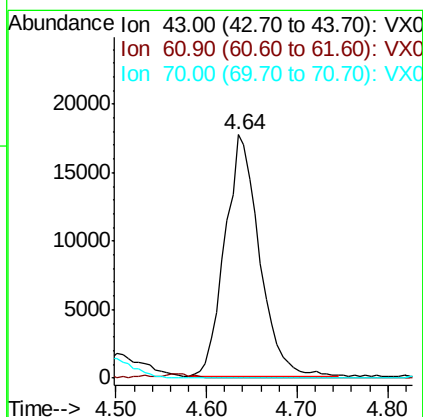
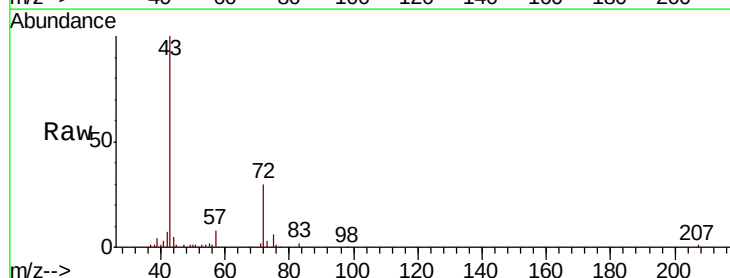
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-27

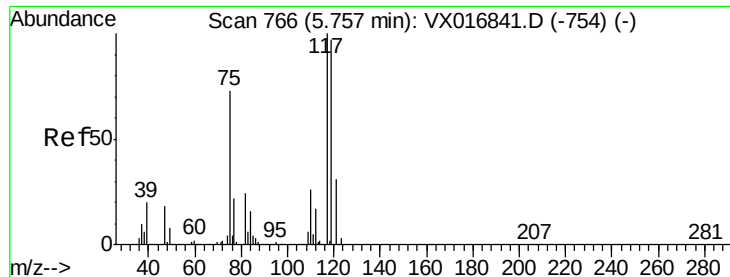
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.5	18.9	56.9#
77	0.0	25.6	38.4#



#37
 Ethyl Acetate
 Concen: 15.764 ug/l
 RT: 4.64 min Scan# 582
 Delta R.T. -0.16 min
 Lab File: VX016889.D
 Acq: 19 Jun 2020 18:53

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.2	18.2#
70	0.0	10.5	15.7#





#38

Carbon Tetrachloride

Concen: 5.742 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016889.D

Acq: 19 Jun 2020 18:53

Instrument :

MSVOA_X

ClientSampled :

MW-27

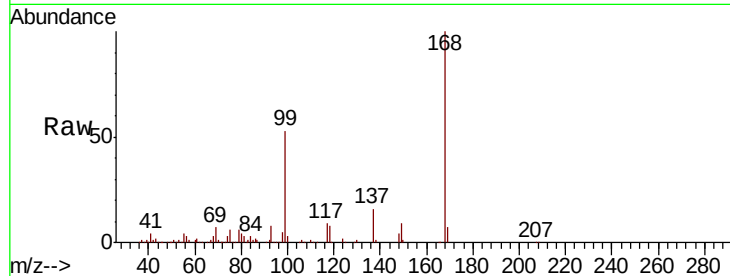
Tot Ion:117 Resp: 21610

Ion Ratio Lower Upper

117 100

119 5.0 77.4 116.2#

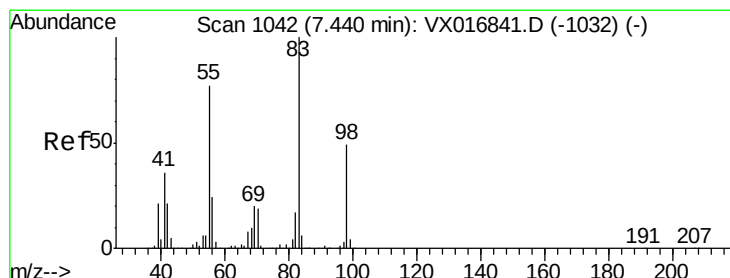
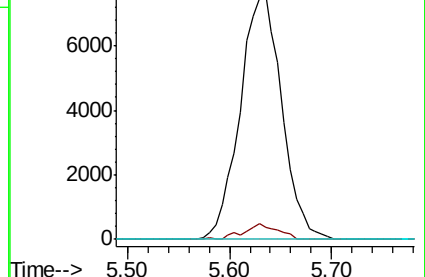
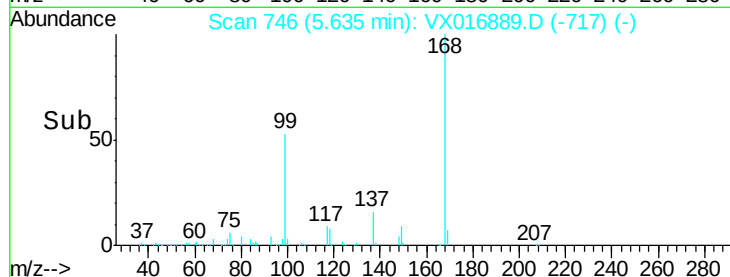
121 0.0 24.7 37.1#



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: 295.187 ug/l

RT: 7.44 min Scan# 1042

Delta R.T. -0.00 min

Lab File: VX016889.D

Acq: 19 Jun 2020 18:53

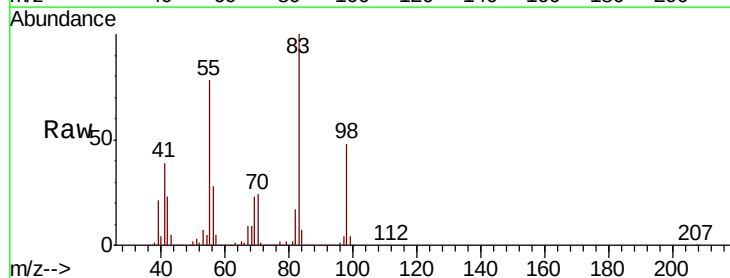
Tgt Ion: 83 Resp: 1151225

Ion Ratio Lower Upper

83 100

55 78.1 61.7 92.5

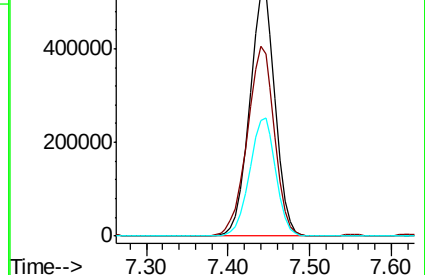
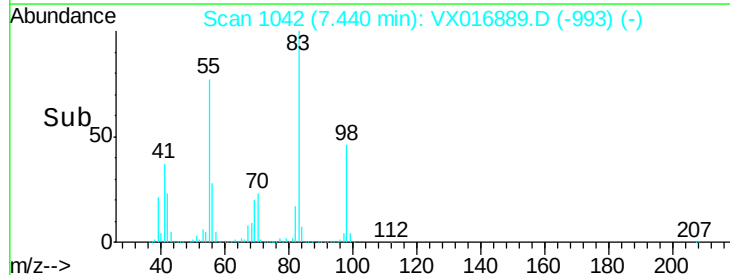
98 47.7 39.0 58.6

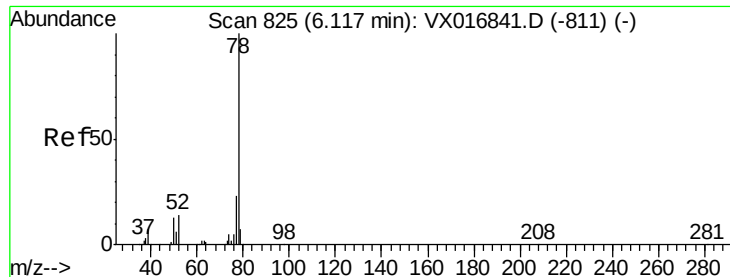


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 1.373 ug/l

RT: 6.11 min Scan# 824

Delta R.T. -0.01 min

Lab File: VX016889.D

Acq: 19 Jun 2020 18:53

Instrument :

MSVOA_X

ClientSampled :

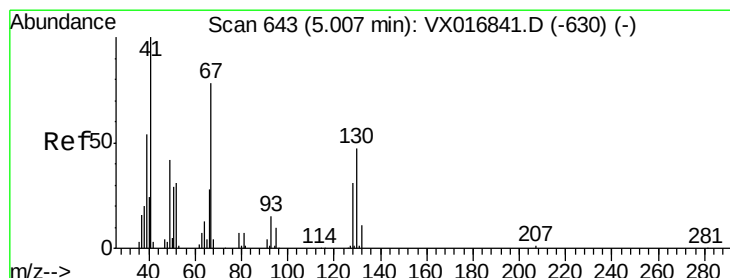
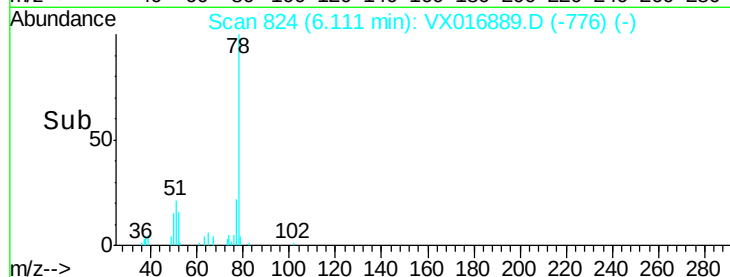
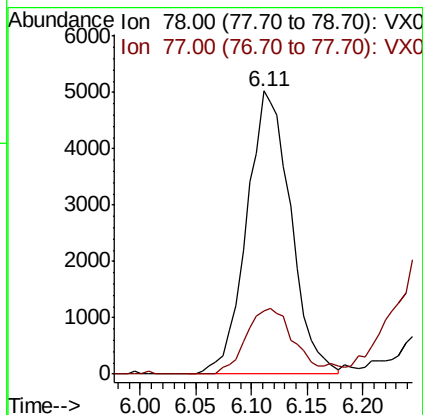
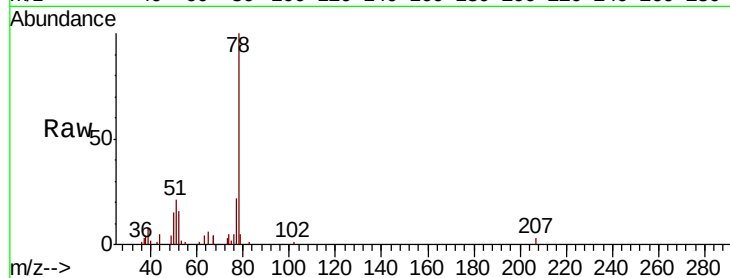
MW-27

Tot Ion: 78 Resp: 13817

Ion Ratio Lower Upper

78 100

77 22.3 18.6 27.8



#41

Methacrylonitrile

Concen: 2.790 ug/l

RT: 5.03 min Scan# 647

Delta R.T. 0.02 min

Lab File: VX016889.D

Acq: 19 Jun 2020 18:53

Tgt Ion: 41 Resp: 4488

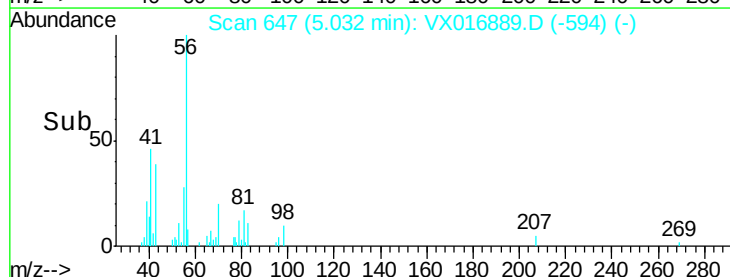
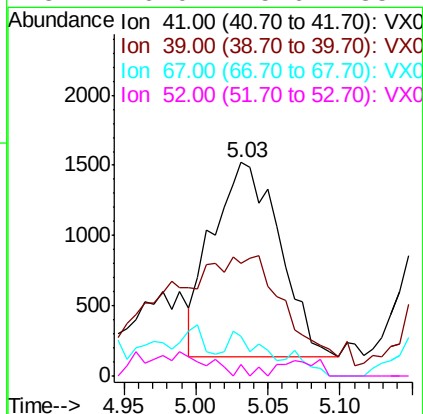
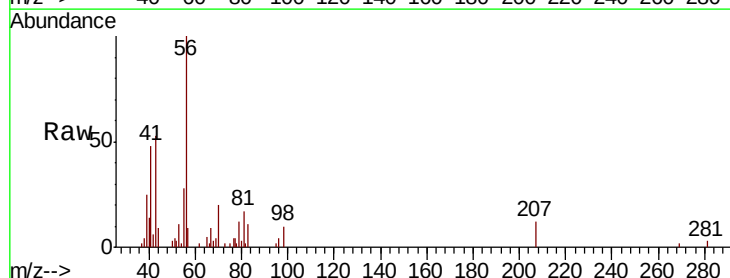
Ion Ratio Lower Upper

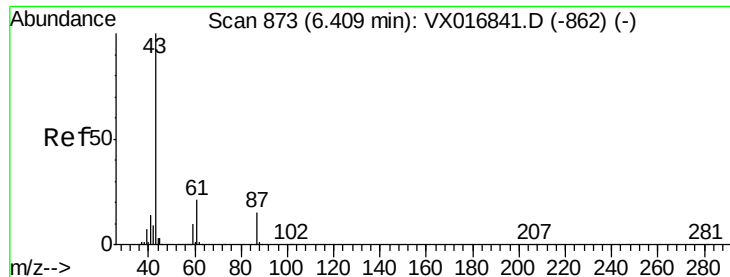
41 100

39 0.0 42.6 64.0#

67 0.0 64.2 96.2#

52 0.0 25.6 38.4#





#43

Isopropyl Acetate

Concen: 2.946 ug/l

RT: 6.43 min Scan# 877

Delta R.T. 0.02 min

Lab File: VX016889.D

Acq: 19 Jun 2020 18:53

Instrument :

MSVOA_X

ClientSampleId :

MW-27

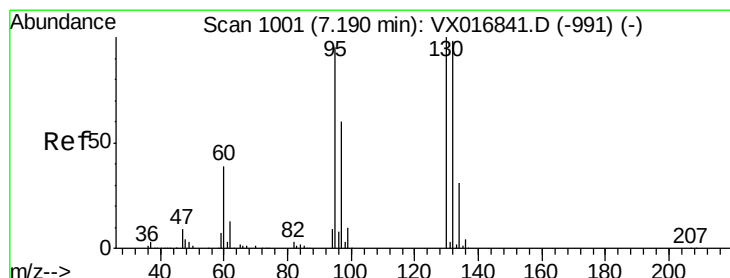
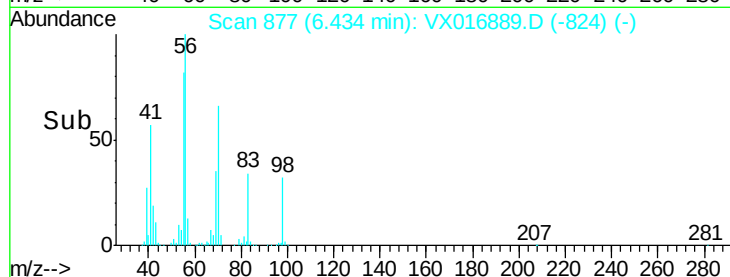
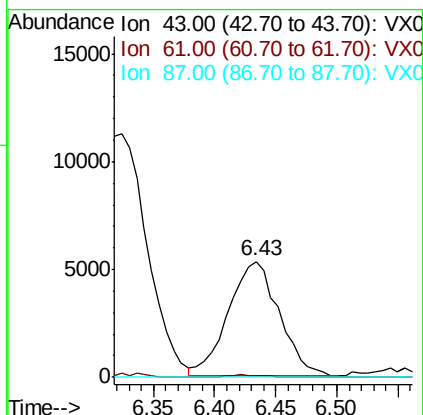
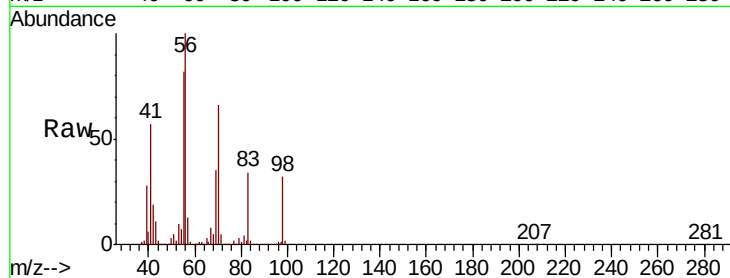
Tot Ion: 43 Resp: 15245

Ion Ratio Lower Upper

43 100

61 1.6 17.9 26.9#

87 0.0 12.4 18.6#



#44

Trichloroethene

Concen: 0.253 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016889.D

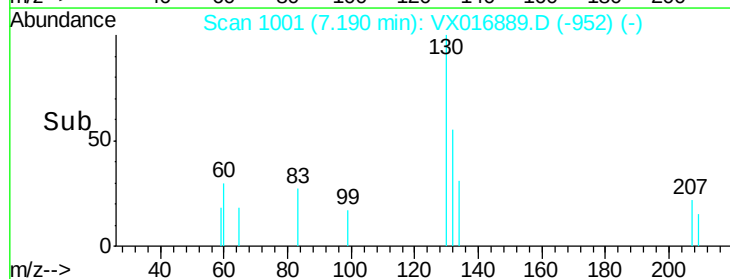
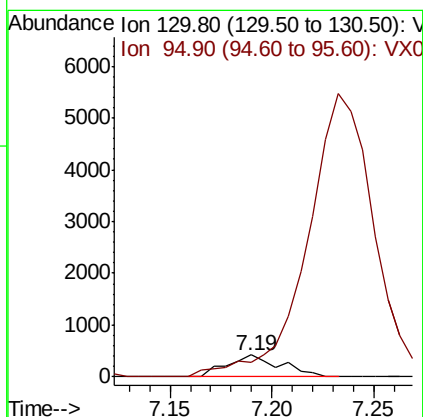
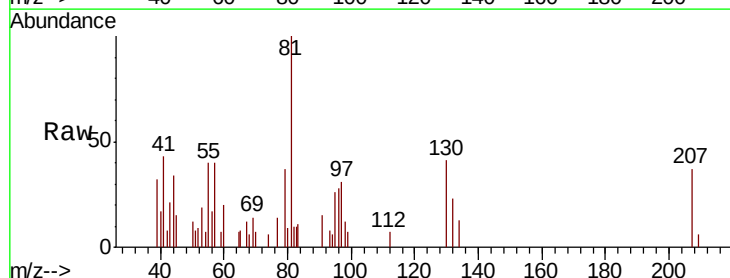
Acq: 19 Jun 2020 18:53

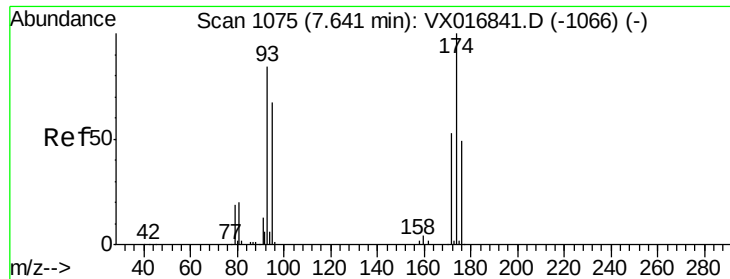
Tgt Ion: 130 Resp: 781

Ion Ratio Lower Upper

130 100

95 64.6 0.0 190.8





#46

Dibromomethane

Concen: 0.564 ug/l

RT: 7.62 min Scan# 1071

Delta R.T. -0.02 min

Lab File: VX016889.D

Acq: 19 Jun 2020 18:53

Instrument :

MSVOA_X

ClientSampled :

MW-27

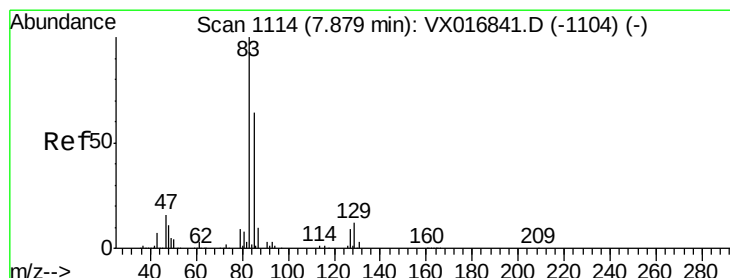
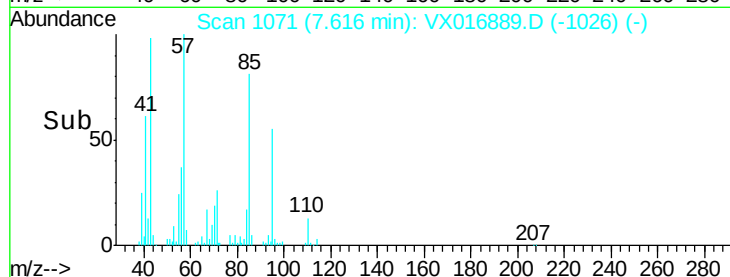
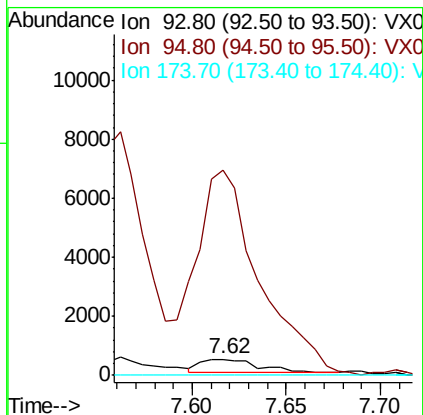
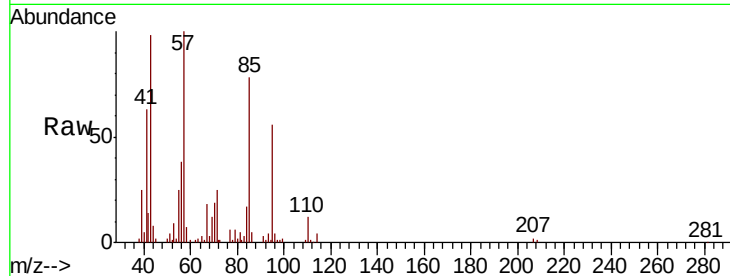
Tot Ion: 93 Resp: 968

Ion Ratio Lower Upper

93 100

95 1725.6 65.7 98.5#

174 0.0 92.8 139.2#



#47

Bromodichloromethane

Concen: 0.466 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX016889.D

Acq: 19 Jun 2020 18:53

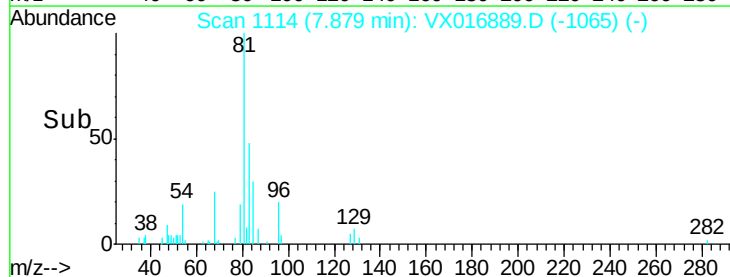
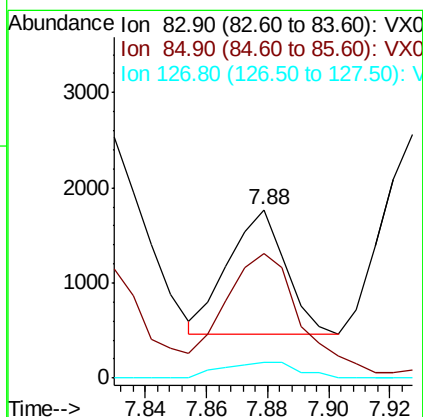
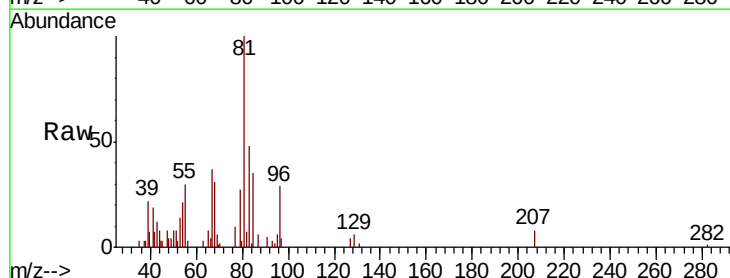
Tgt Ion: 83 Resp: 1699

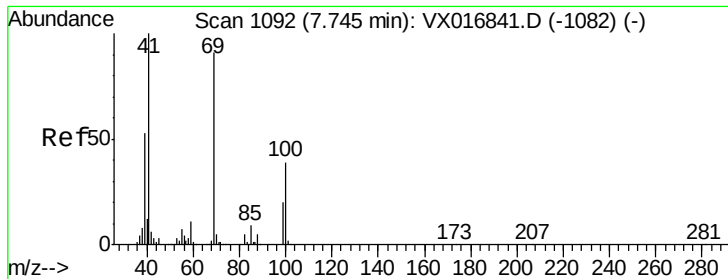
Ion Ratio Lower Upper

83 100

85 82.0 50.9 76.3#

127 12.6 7.4 11.0#

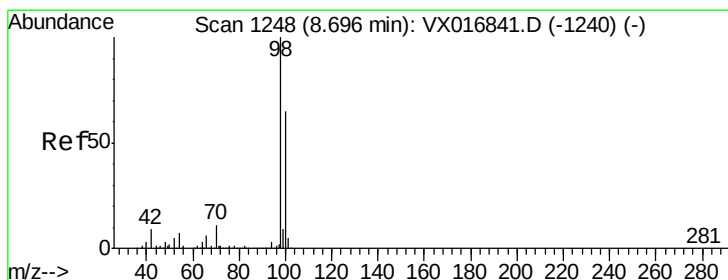
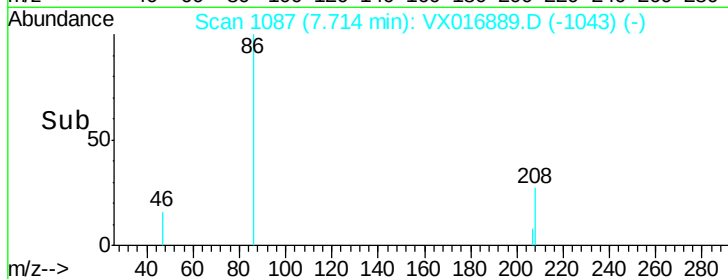
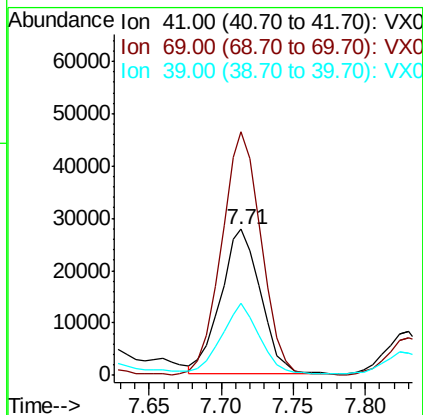
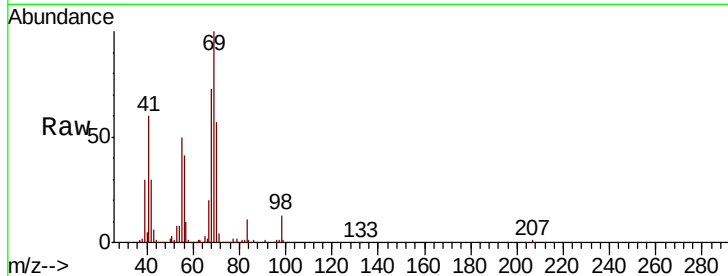




#48
Methvl methacrylate
Concen: 21.973 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.03 min
Lab File: VX016889.D
Acq: 19 Jun 2020 18:53

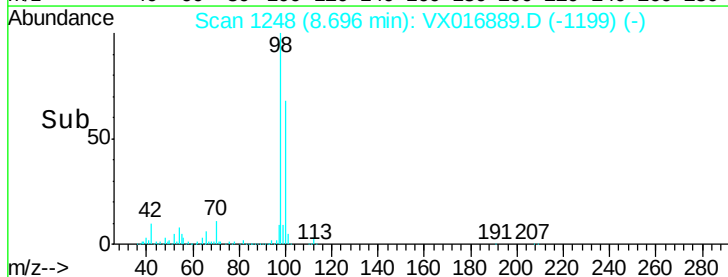
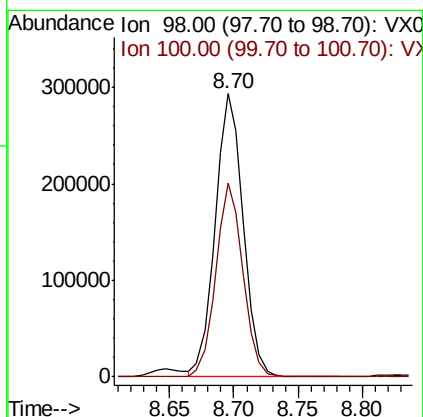
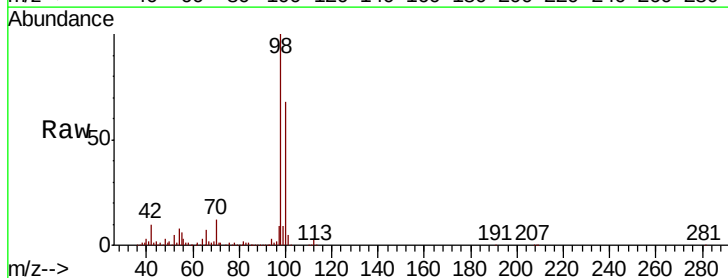
Instrument :
MSVOA_X
ClientSampled :
MW-27

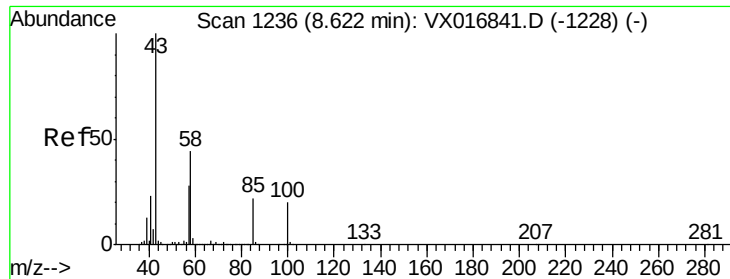
Tot Ion: 41 Resp: 53547
Ion Ratio Lower Upper
41 100
69 165.6 73.3 109.9#
39 46.5 42.4 63.6



#50
Toluene-d8
Concen: 48.273 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016889.D
Acq: 19 Jun 2020 18:53

Tgt Ion: 98 Resp: 448808
Ion Ratio Lower Upper
98 100
100 66.3 54.0 81.0

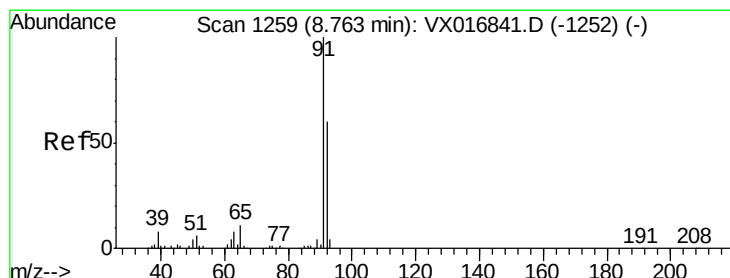
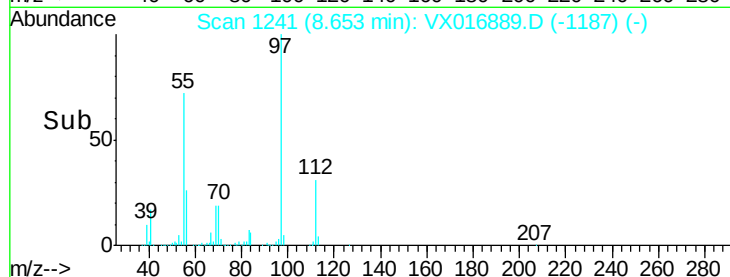
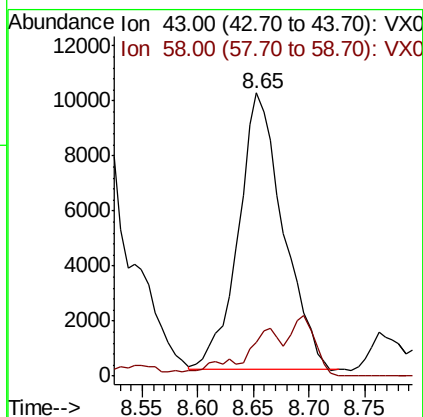
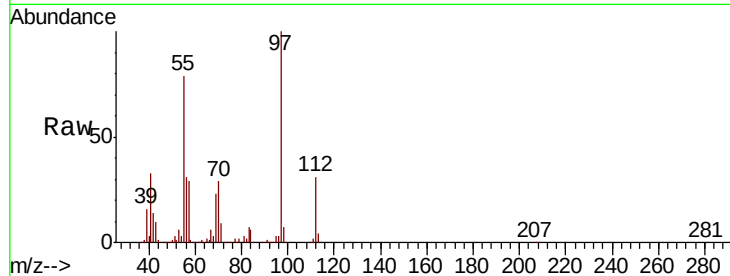




#51
 4-Methyl-2-Pentanone
 Concen: 9.042 ug/l
 RT: 8.65 min Scan# 1241
 Delta R.T. 0.03 min
 Lab File: VX016889.D
 Acq: 19 Jun 2020 18:53

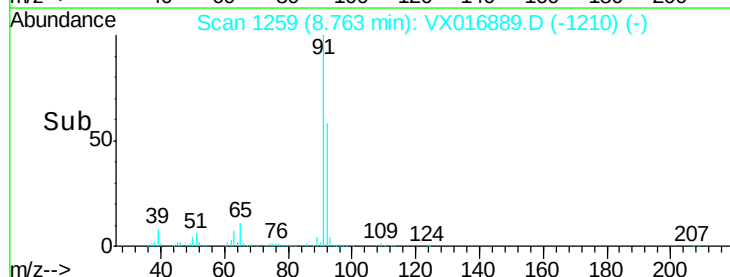
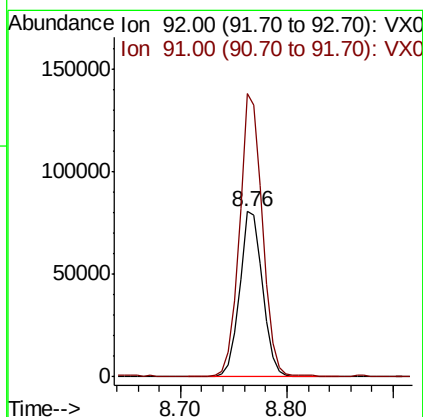
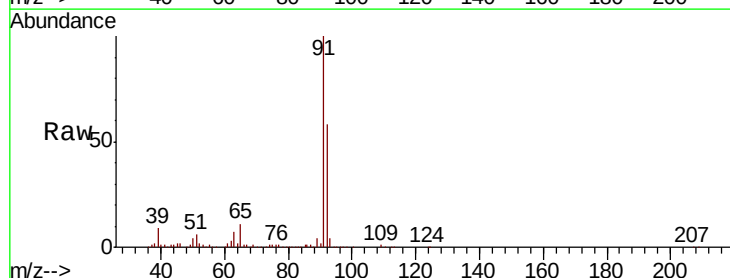
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-27

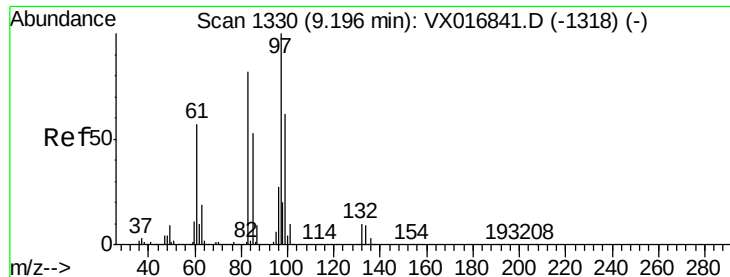
Tot Ion: 43 Resp: 28144
 Ion Ratio Lower Upper
 43 100
 58 11.1 34.3 51.5#



#52
 Toluene
 Concen: 18.314 ug/l
 RT: 8.76 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VX016889.D
 Acq: 19 Jun 2020 18:53

Tgt Ion: 92 Resp: 122272
 Ion Ratio Lower Upper
 92 100
 91 169.7 134.2 201.2





#55

1,1,2-Trichloroethane

Concen: 52.598 ug/l

RT: 9.15 min Scan# 1322

Delta R.T. -0.05 min

Lab File: VX016889.D

Acq: 19 Jun 2020 18:53

Instrument :

MSVOA_X

ClientSampleId :

MW-27

Tot Ion: 97 Resp: 132589

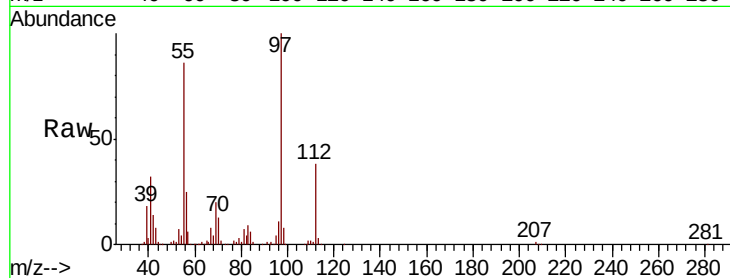
Ion Ratio Lower Upper

97 100

83 7.4 65.5 98.3#

85 0.5 42.6 63.8#

99 0.3 49.4 74.0#

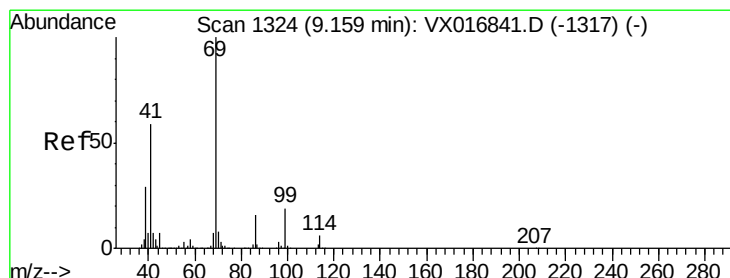
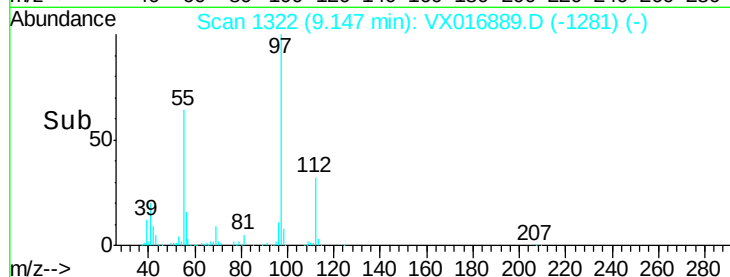
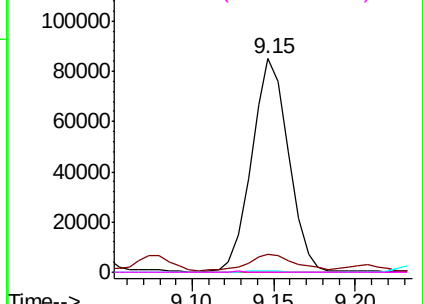


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 10.149 ug/l

RT: 9.15 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VX016889.D

Acq: 19 Jun 2020 18:53

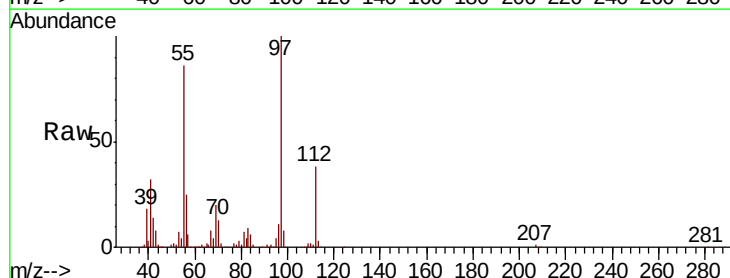
Tgt Ion: 69 Resp: 37037

Ion Ratio Lower Upper

69 100

41 143.0 47.9 71.9#

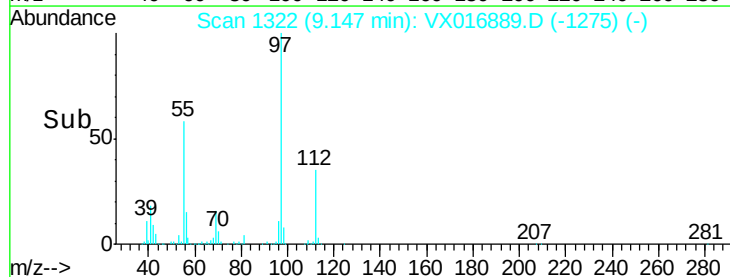
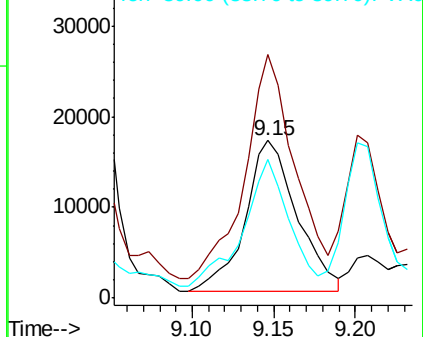
39 72.6 24.2 36.4#

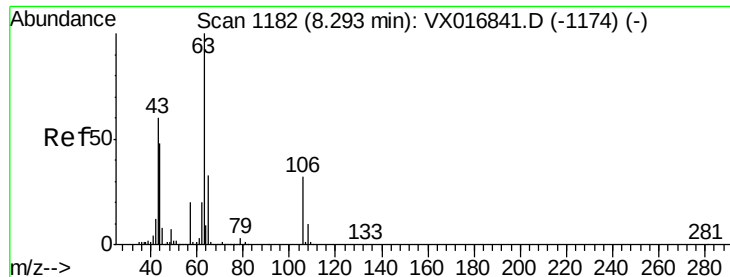


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

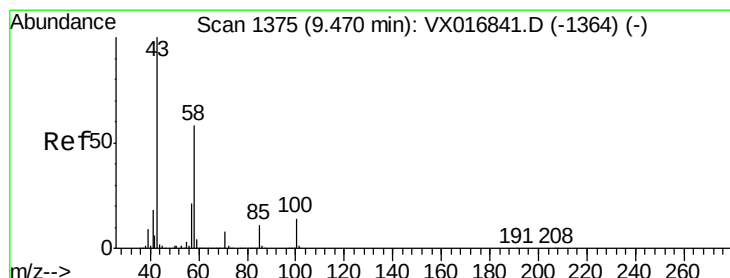
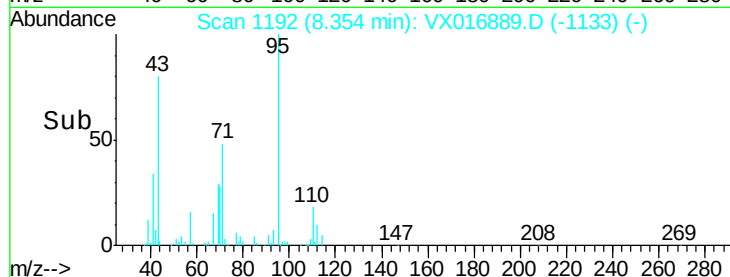
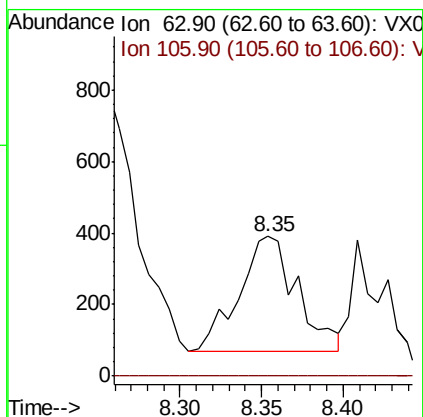
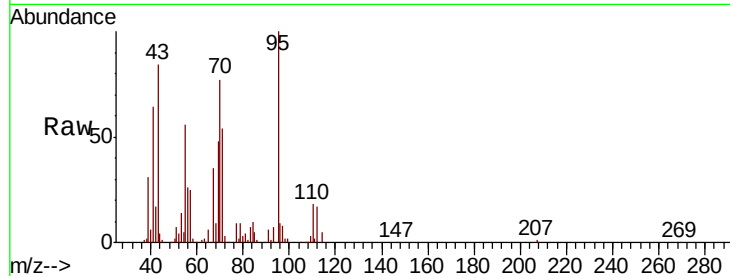




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.470 ug/l
 RT: 8.35 min Scan# 1192
 Delta R.T. 0.06 min
 Lab File: VX016889.D
 Acq: 19 Jun 2020 18:53

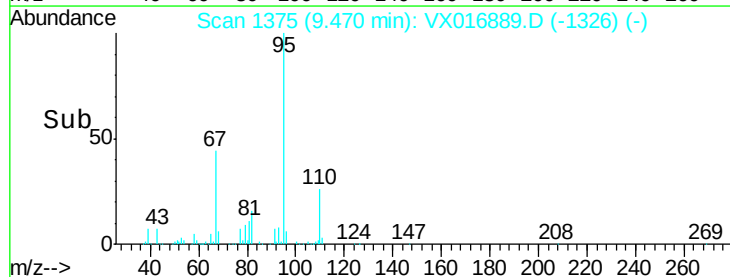
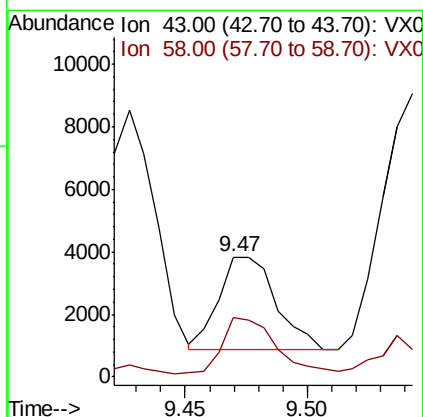
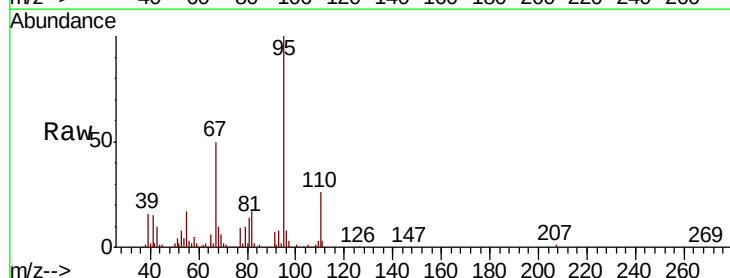
Instrument :
 MSVOA_X
 ClientSampled :
 MW-27

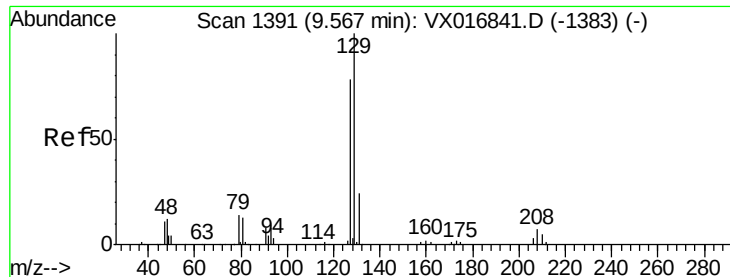
Tot Ion: 63 Resp: 798
 Ion Ratio Lower Upper
 63 100
 106 0.0 25.8 38.6#



#59
 2-Hexanone
 Concen: 2.145 ug/l
 RT: 9.47 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VX016889.D
 Acq: 19 Jun 2020 18:53

Tgt Ion: 43 Resp: 4836
 Ion Ratio Lower Upper
 43 100
 58 64.2 29.8 89.4





#60

Dibromochloromethane

Concen: 0.983 ug/l

RT: 9.56 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX016889.D

Acq: 19 Jun 2020 18:53

Instrument :

MSVOA_X

ClientSampleId :

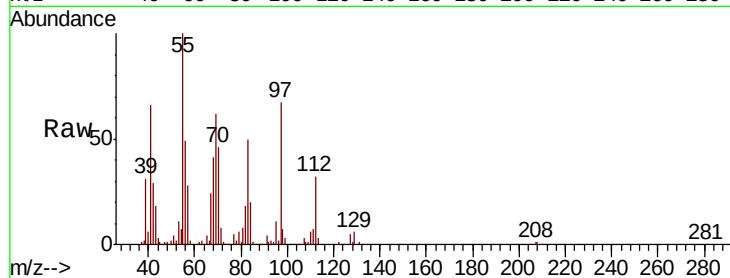
MW-27

Tot Ion:129 Resp: 2972

Ion Ratio Lower Upper

129 100

127 90.5 38.5 115.5



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.56

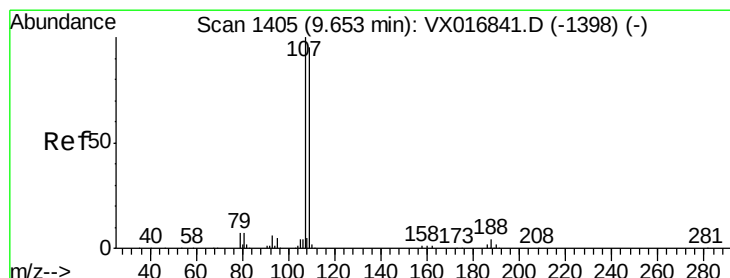
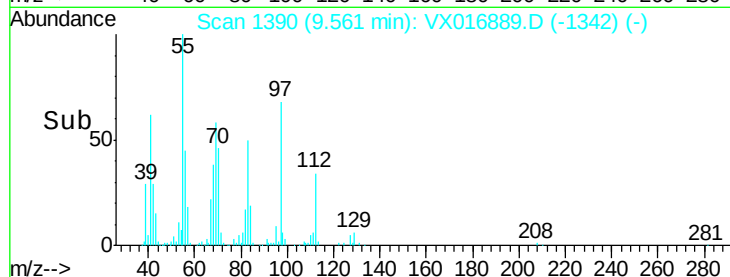
1500

1000

500

0

Time--> 9.50 9.55 9.60



#61

1,2-Dibromoethane

Concen: 0.583 ug/l

RT: 9.56 min Scan# 1389

Delta R.T. -0.10 min

Lab File: VX016889.D

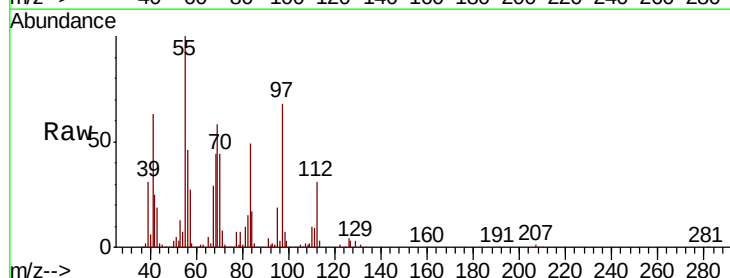
Acq: 19 Jun 2020 18:53

Tgt Ion:107 Resp: 1595

Ion Ratio Lower Upper

107 100

109 101.9 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.56

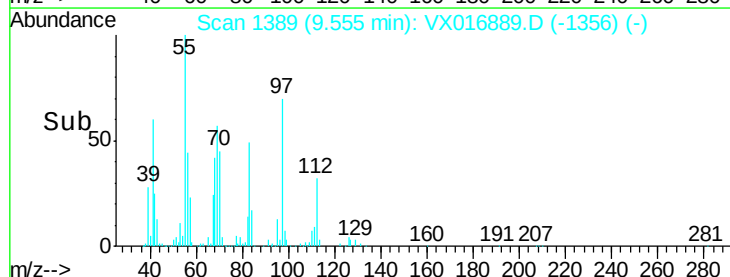
1500

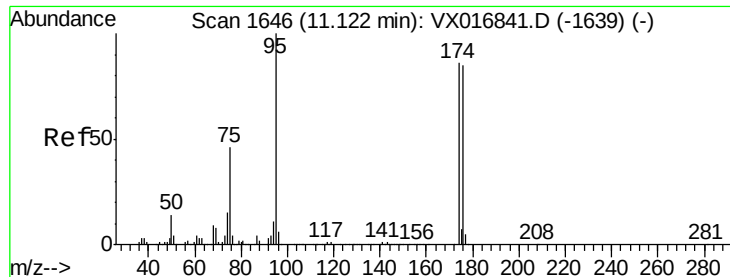
1000

500

0

Time--> 9.50 9.55 9.60





#62

4-Bromofluorobenzene

Concen: 68.291 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016889.D

Acq: 19 Jun 2020 18:53

Instrument :

MSVOA_X

ClientSampled :

MW-27

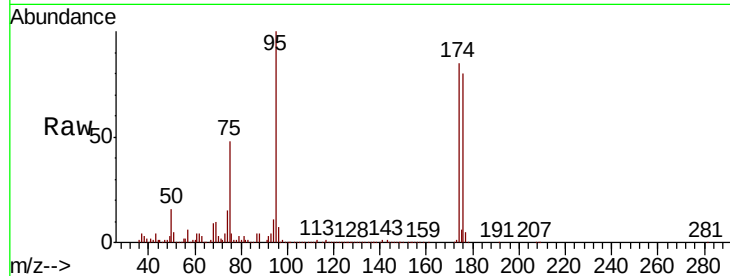
Tot Ion: 95 Resp: 243264

Ion Ratio Lower Upper

95 100

174 82.4 0.0 174.2

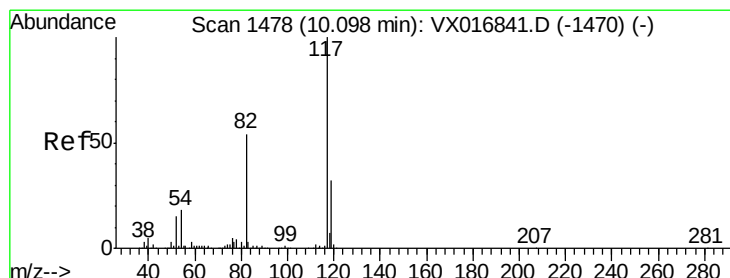
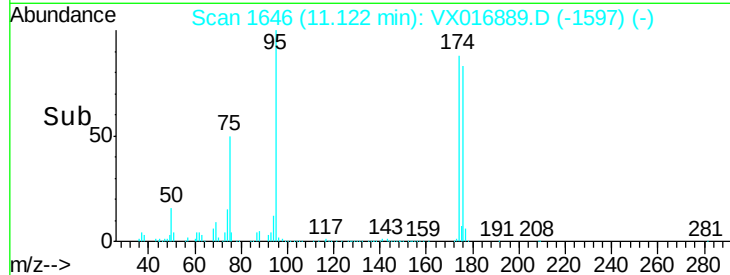
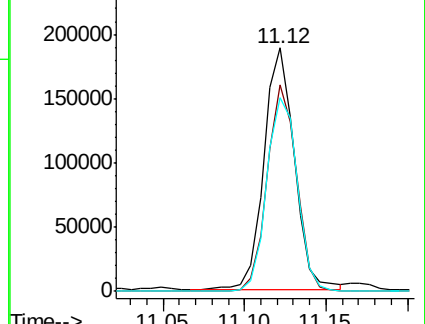
176 80.8 0.0 170.0



Abundance Ion 94.90 (94.60 to 95.60): VX016889.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016889.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016889.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016889.D

Acq: 19 Jun 2020 18:53

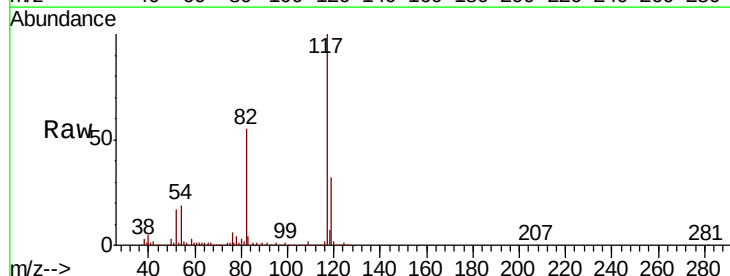
Tgt Ion: 117 Resp: 464546

Ion Ratio Lower Upper

117 100

82 54.6 43.4 65.0

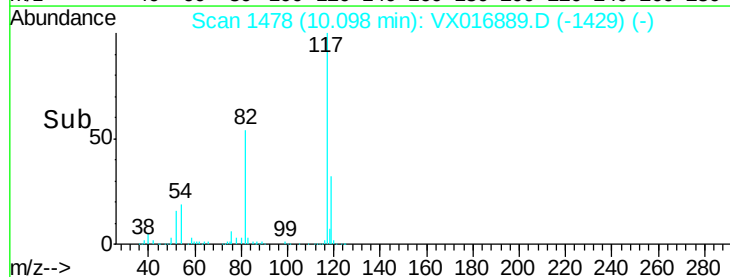
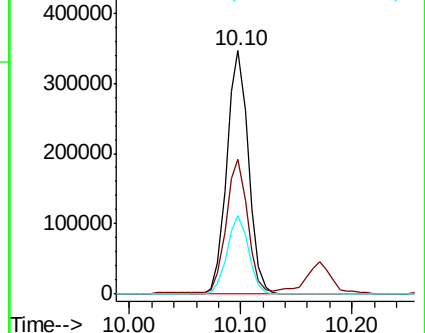
119 32.2 25.7 38.5

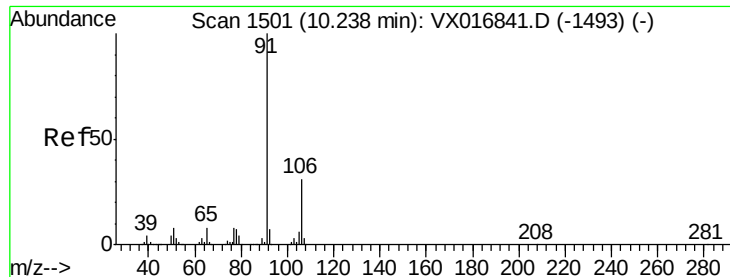


Abundance Ion 116.90 (116.60 to 117.60): VX016889.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016889.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016889.D (-1429) (-)





#67

Ethyl Benzene

Concen: 926.126 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VX016889.D

Acq: 19 Jun 2020 18:53

Instrument :

MSVOA_X

ClientSampleId :

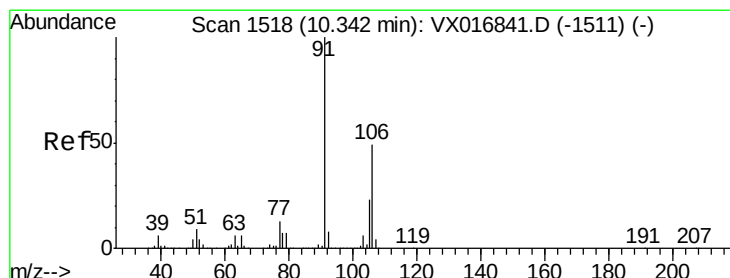
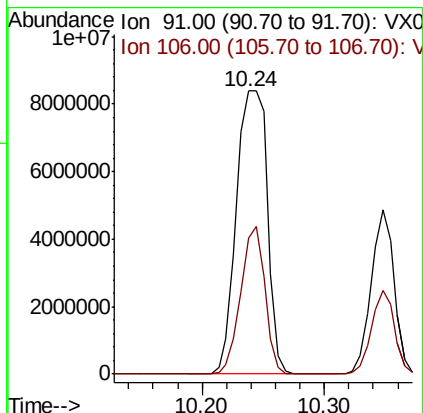
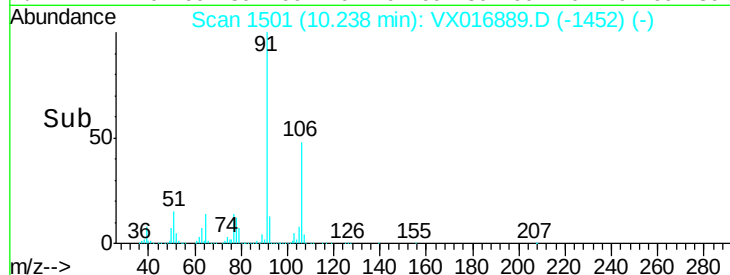
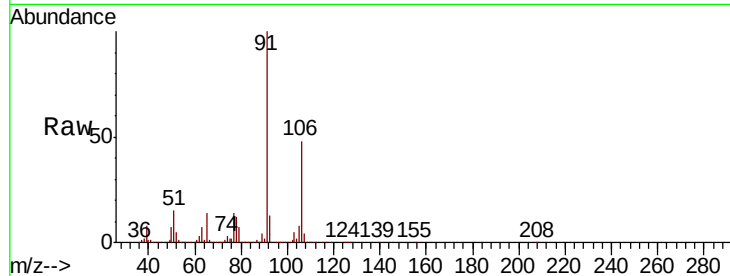
MW-27

Tot Ion: 91 Resp:14699242

Ion Ratio Lower Upper

91 100

106 48.1 25.1 37.7#



#68

m/p-Xylenes

Concen: 523.777 ug/l

RT: 10.35 min Scan# 1519

Delta R.T. 0.01 min

Lab File: VX016889.D

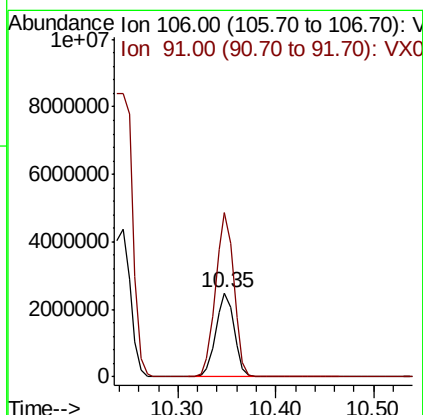
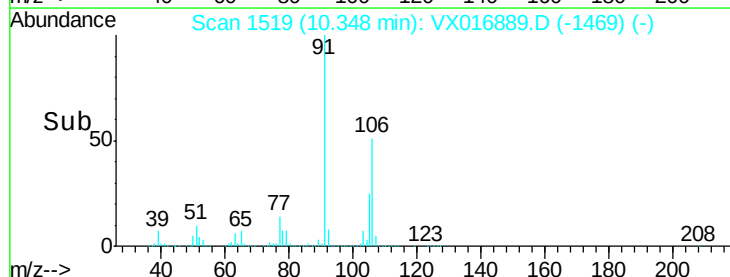
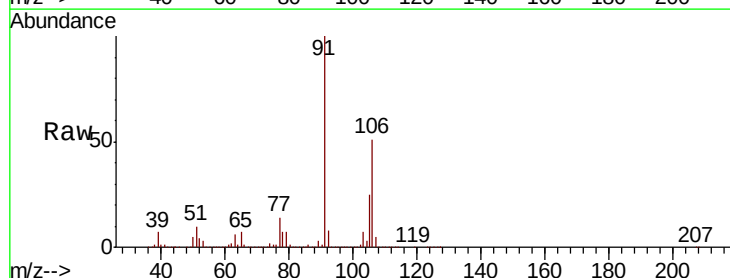
Acq: 19 Jun 2020 18:53

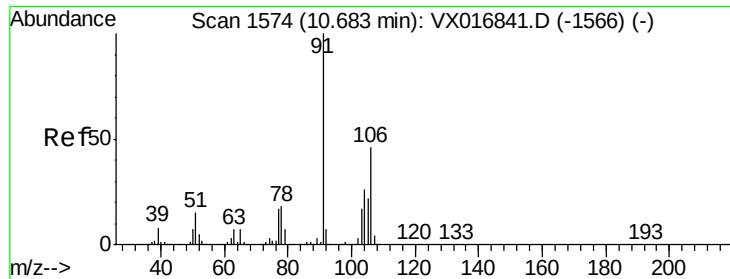
Tgt Ion:106 Resp: 3234968

Ion Ratio Lower Upper

106 100

91 196.6 161.5 242.3

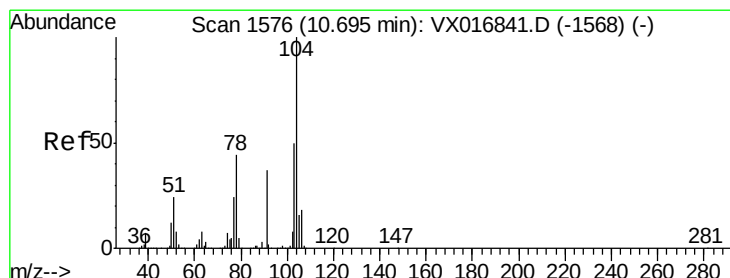
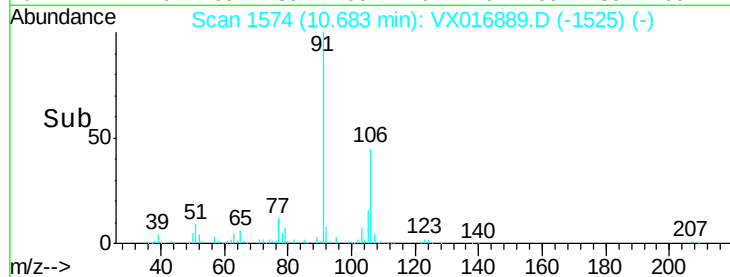
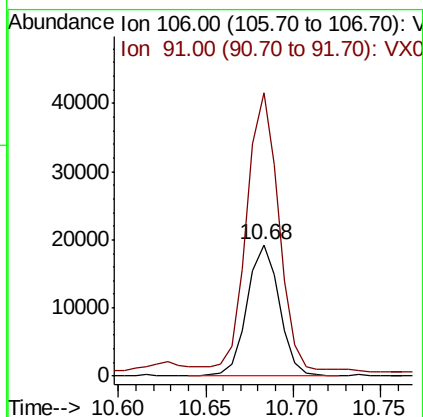
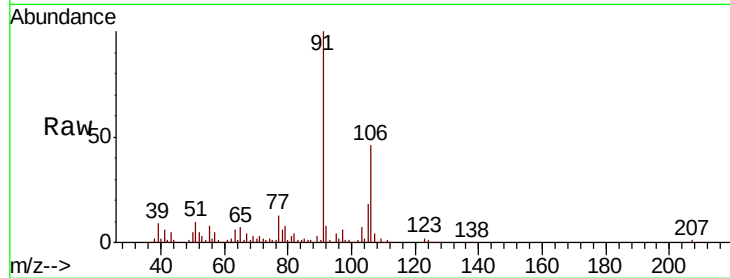




#69
o-Xylene
Concen: 4.289 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016889.D
Acq: 19 Jun 2020 18:53

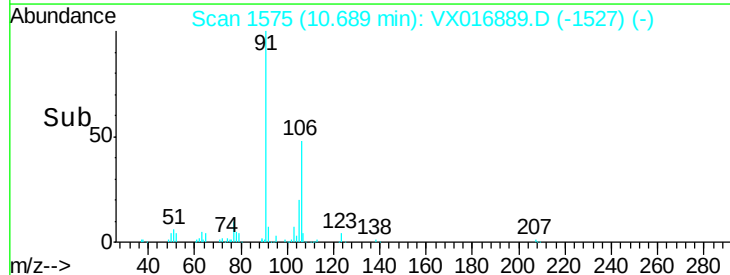
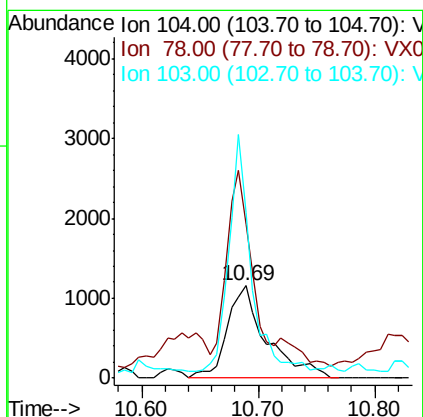
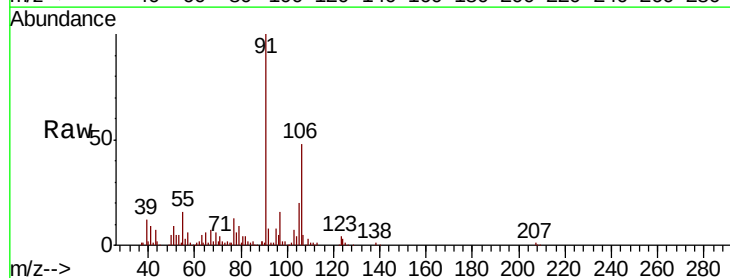
Instrument :
MSVOA_X
ClientSampled :
MW-27

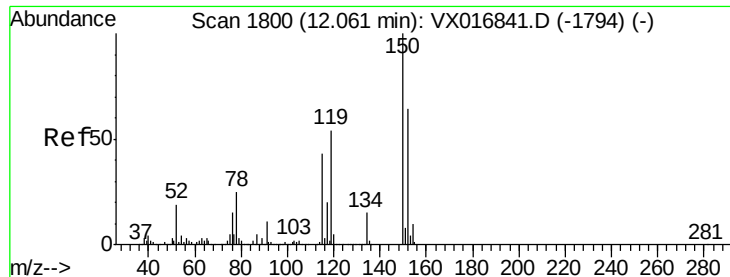
Tot Ion:106 Resp: 24495
Ion Ratio Lower Upper
106 100
91 218.2 107.9 323.7



#70
Styrene
Concen: 0.279 ug/l
RT: 10.69 min Scan# 1575
Delta R.T. -0.01 min
Lab File: VX016889.D
Acq: 19 Jun 2020 18:53

Tgt Ion:104 Resp: 2707
Ion Ratio Lower Upper
104 100
78 116.9 39.6 59.4#
103 146.5 43.3 64.9#



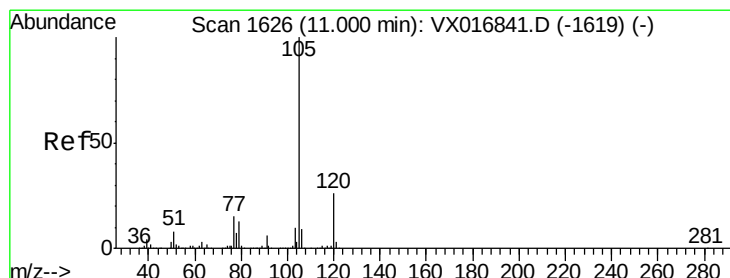
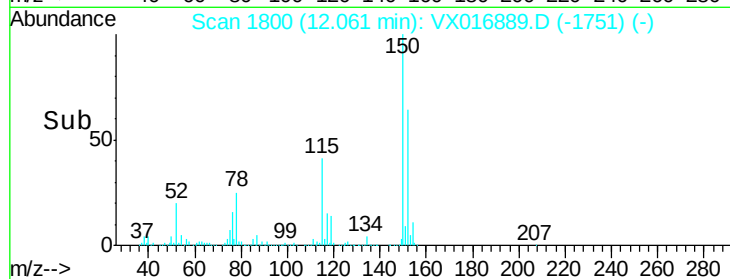
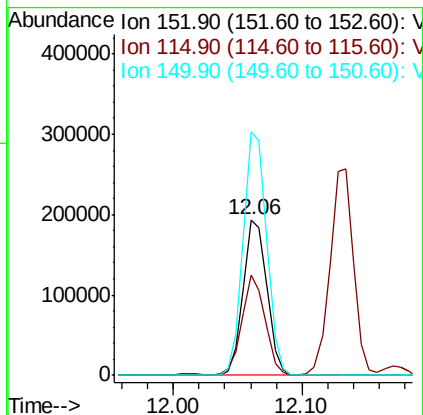
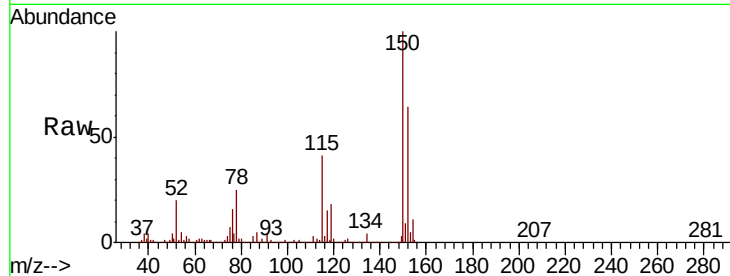


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016889.D
Acq: 19 Jun 2020 18:53

Instrument :
MSVOA_X
ClientSampleId :
MW-27

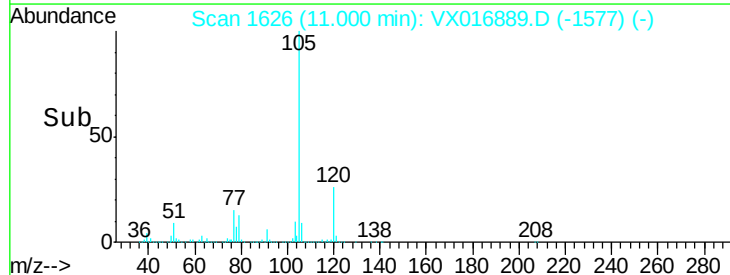
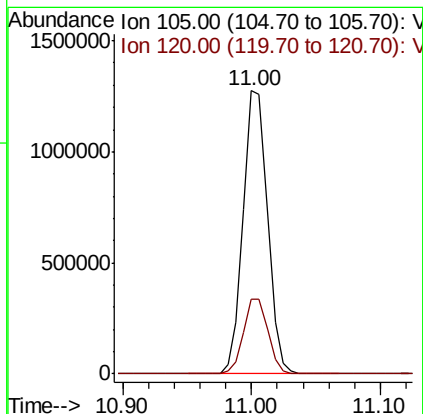
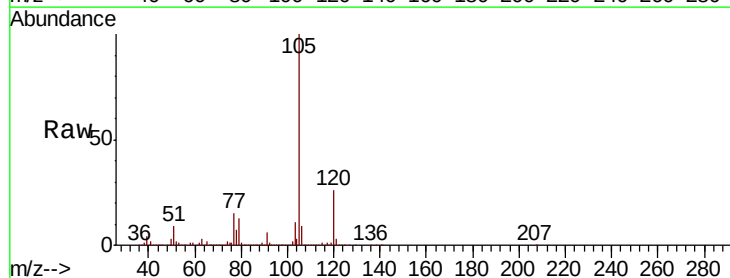
Tot Ion:152 Resp: 243878
Ion Ratio Lower Upper
152 100
115 62.3 40.9 122.8
150 156.3 0.0 344.2

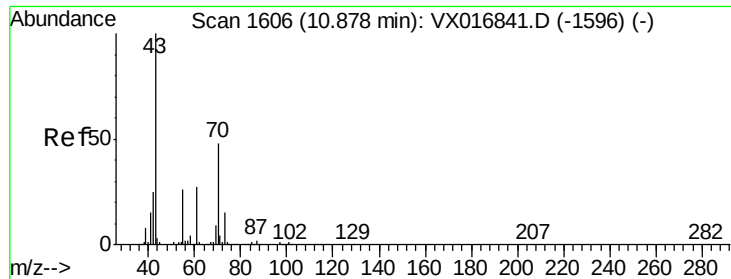


#73

Isopropylbenzene
Concen: 106.195 ug/l
RT: 11.00 min Scan# 1626
Delta R.T. -0.00 min
Lab File: VX016889.D
Acq: 19 Jun 2020 18:53

Tgt Ion:105 Resp: 1667486
Ion Ratio Lower Upper
105 100
120 26.6 13.2 39.6





#74

N-amvl acetate

Concen: 0.849 ug/l

RT: 10.90 min Scan# 1609

Delta R.T. 0.02 min

Lab File: VX016889.D

Acq: 19 Jun 2020 18:53

Instrument :

MSVOA_X

ClientSampleId :

MW-27

Tot Ion: 43 Resp: 4656

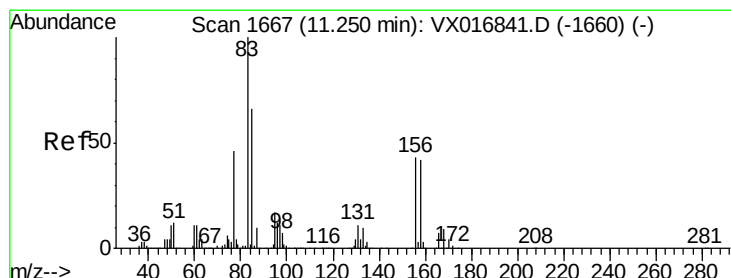
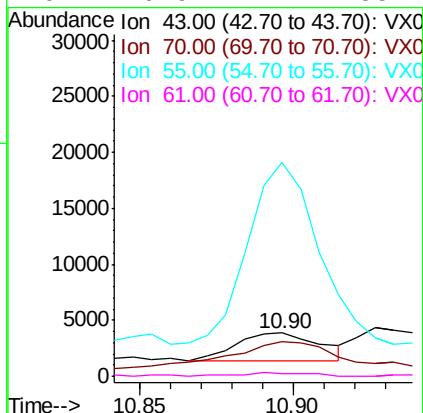
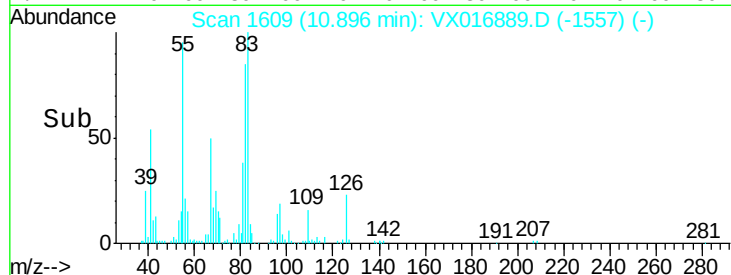
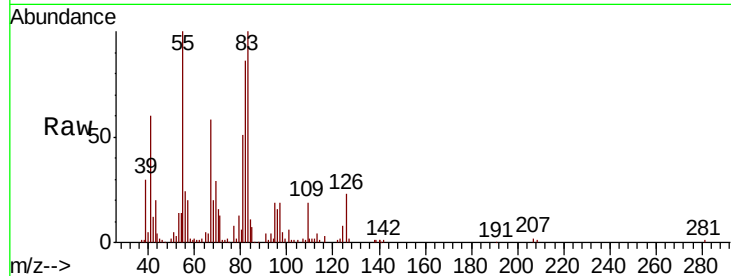
Ion Ratio Lower Upper

43 100

70 151.1 39.9 59.9#

55 650.8 21.8 32.6#

61 10.9 22.2 33.4#



#75

1,1,2,2-Tetrachloroethane

Concen: 0.655 ug/l

RT: 11.26 min Scan# 1669

Delta R.T. 0.01 min

Lab File: VX016889.D

Acq: 19 Jun 2020 18:53

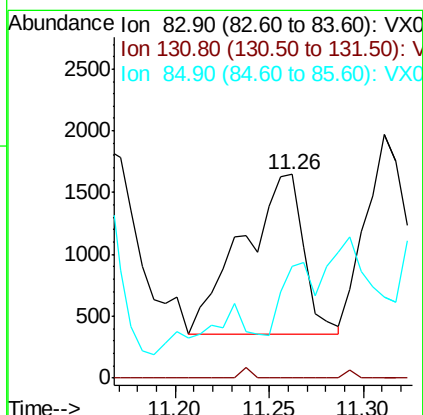
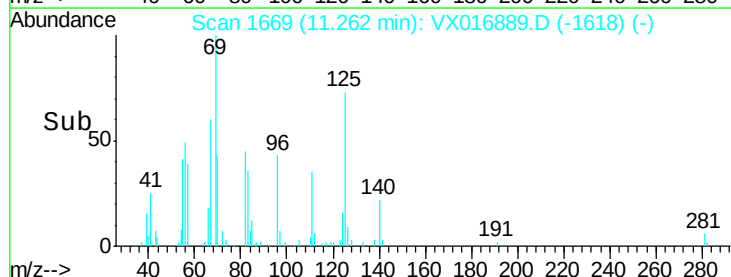
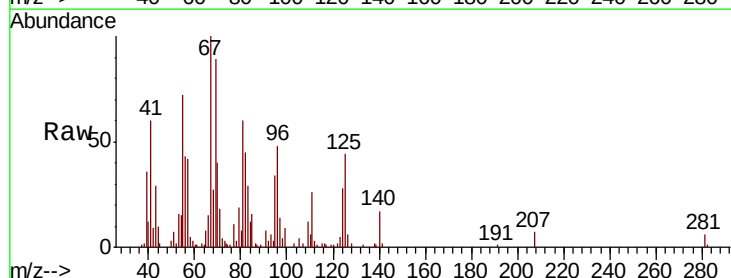
Tgt Ion: 83 Resp: 2903

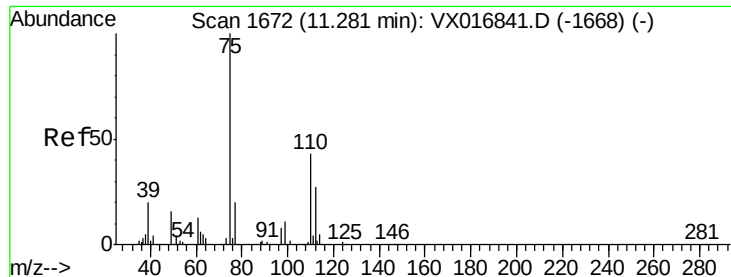
Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.1#

85 23.1 32.6 97.8#





#76

1,2,3-Trichloropropane

Concen: 7.408 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.06 min

Lab File: VX016889.D

Acq: 19 Jun 2020 18:53

Instrument :

MSVOA_X

ClientSampleId :

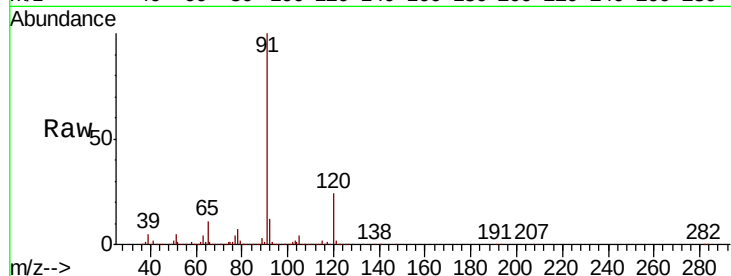
MW-27

Tot Ion: 75 Resp: 32997

Ion Ratio Lower Upper

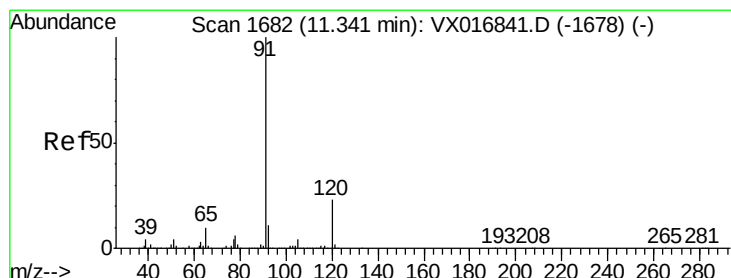
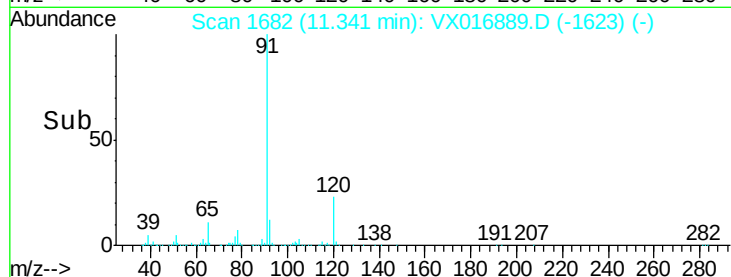
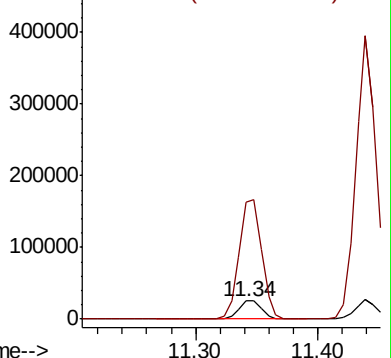
75 100

77 644.1 20.5 61.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#78

n-propylbenzene

Concen: 300.428 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VX016889.D

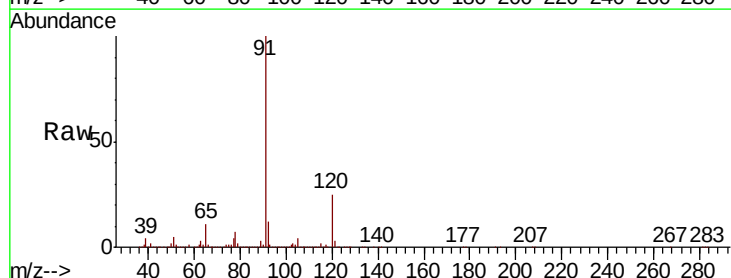
Acq: 19 Jun 2020 18:53

Tgt Ion: 91 Resp: 5264686

Ion Ratio Lower Upper

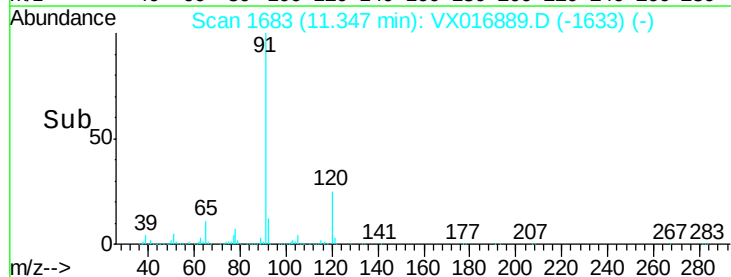
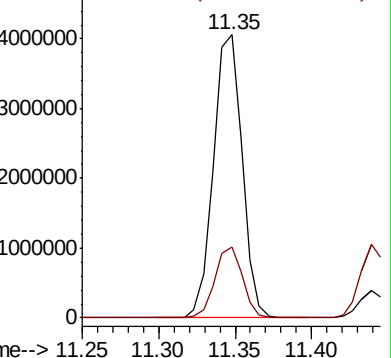
91 100

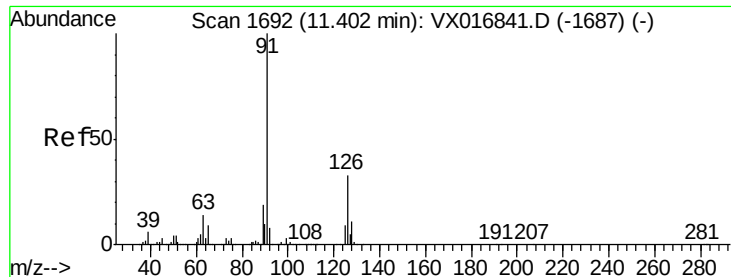
120 24.2 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 42.700 ug/l

RT: 11.44 min Scan# 1698

Delta R.T. 0.04 min

Lab File: VX016889.D

Acq: 19 Jun 2020 18:53

Instrument :

MSVOA_X

ClientSampleId :

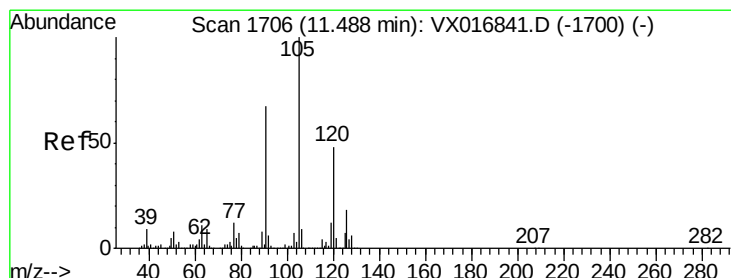
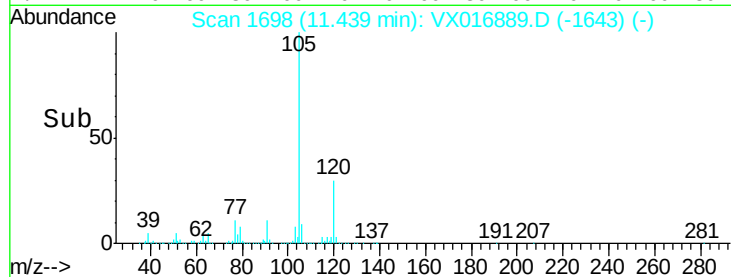
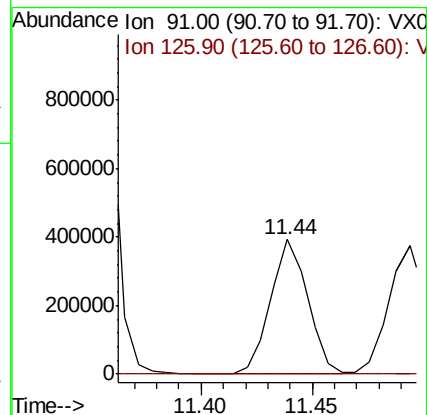
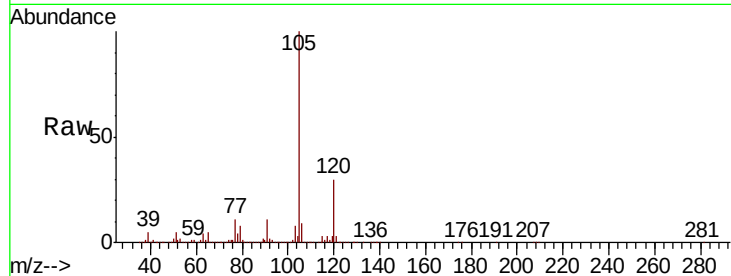
MW-27

Tot Ion: 91 Resp: 457824

Ion Ratio Lower Upper

91 100

126 0.0 17.2 51.5#



#80

1,3,5-Trimethylbenzene

Concen: 311.623 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX016889.D

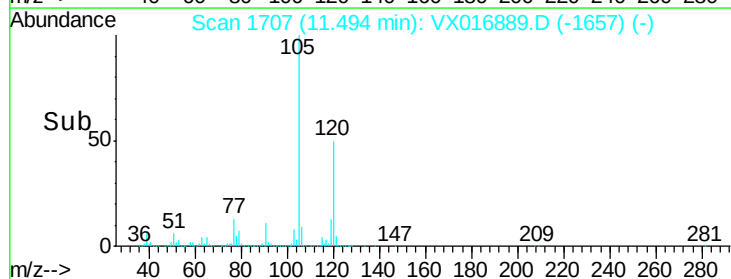
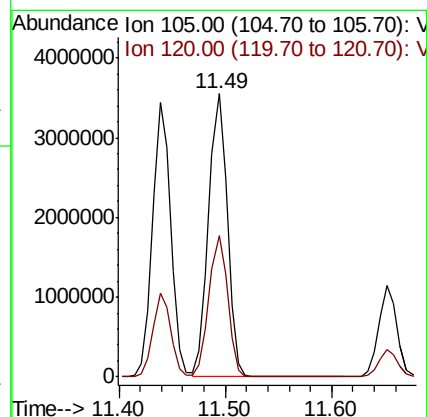
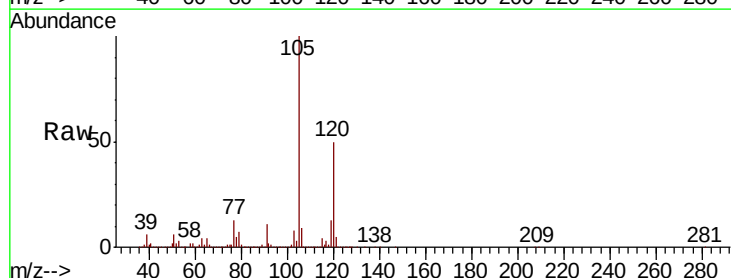
Acq: 19 Jun 2020 18:53

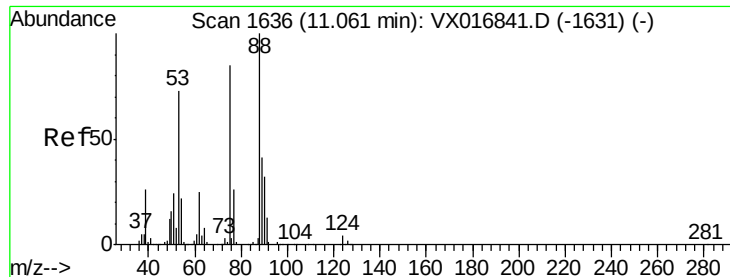
Tgt Ion:105 Resp: 4221821

Ion Ratio Lower Upper

105 100

120 50.2 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 62.934 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016889.D

Acq: 19 Jun 2020 18:53

Instrument :

MSVOA_X

ClientSampleId :

MW-27

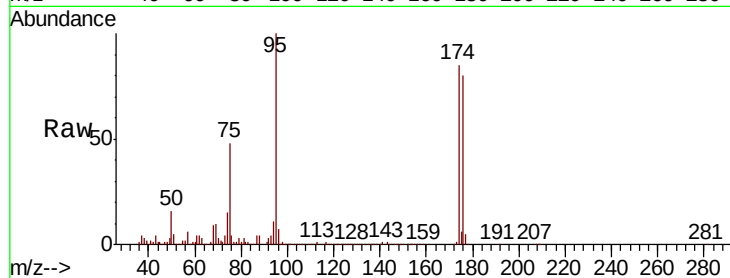
Tot Ion: 75 Resp: 114465

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

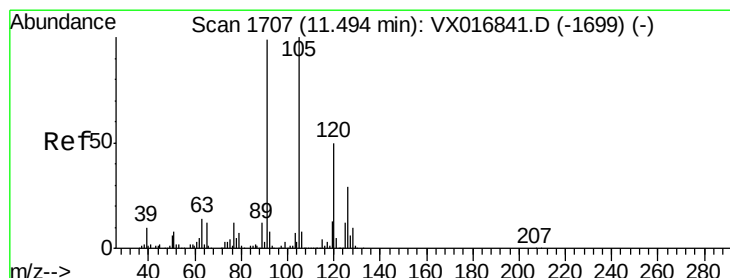
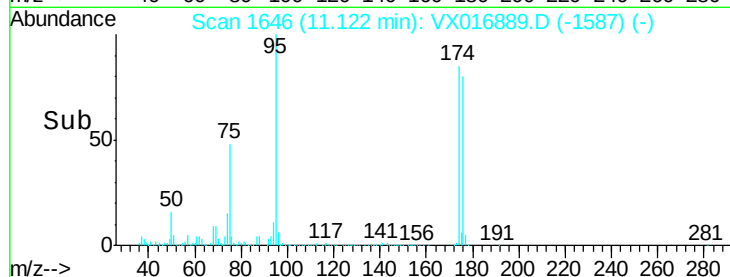
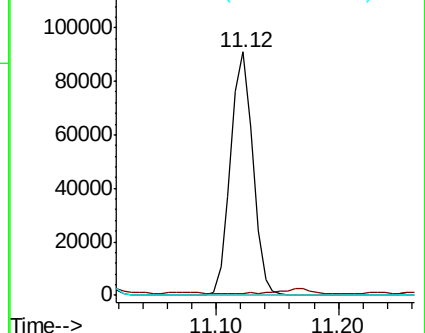
89 0.0 38.3 57.5#



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: 34.435 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX016889.D

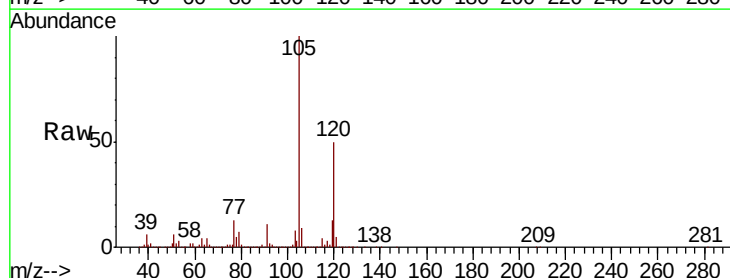
Acq: 19 Jun 2020 18:53

Tgt Ion: 91 Resp: 442943

Ion Ratio Lower Upper

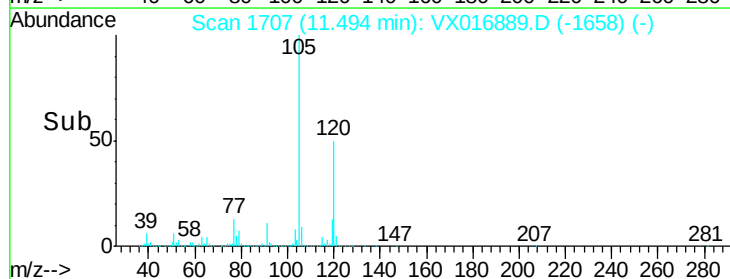
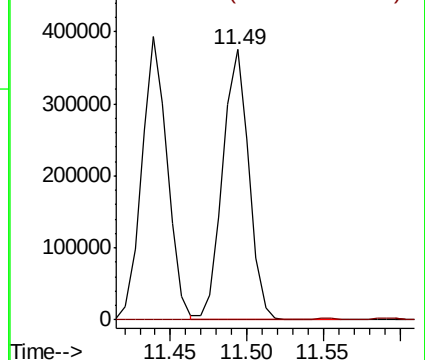
91 100

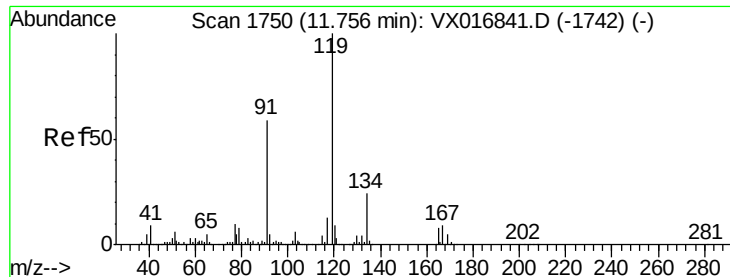
126 0.1 15.0 45.0#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

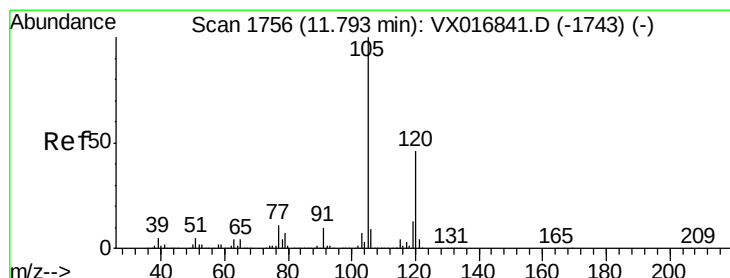
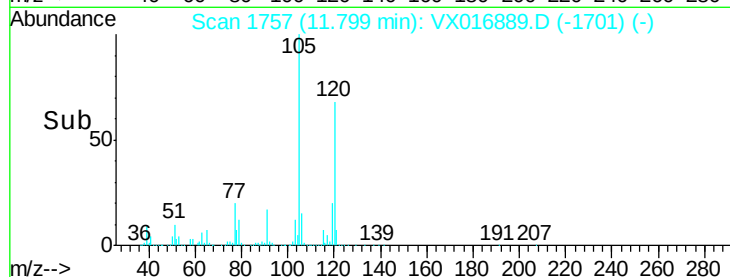
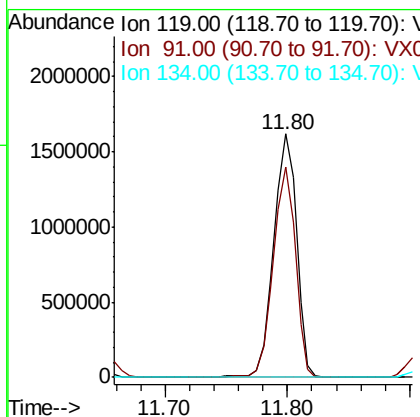
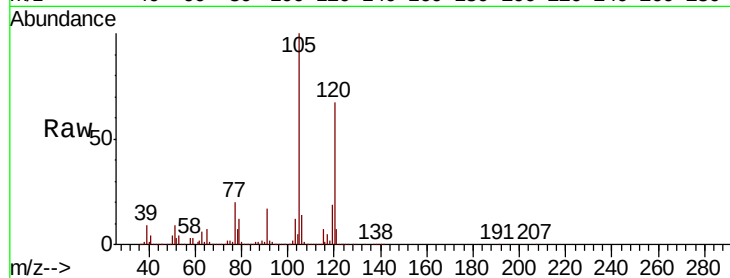




#83
 tert-Butylbenzene
 Concen: 156.372 ug/l
 RT: 11.80 min Scan# 1757
 Delta R.T. 0.04 min
 Lab File: VX016889.D
 Acq: 19 Jun 2020 18:53

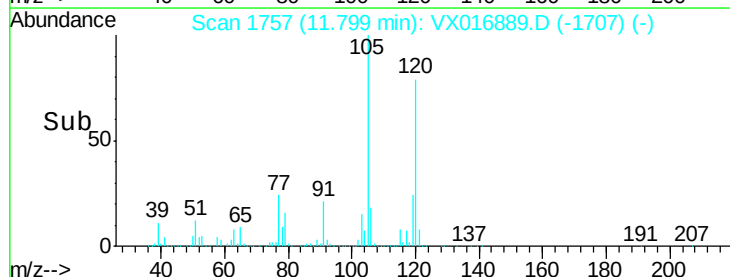
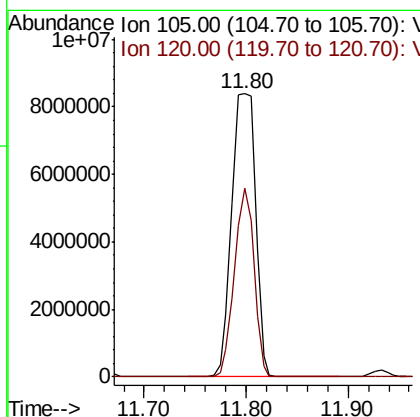
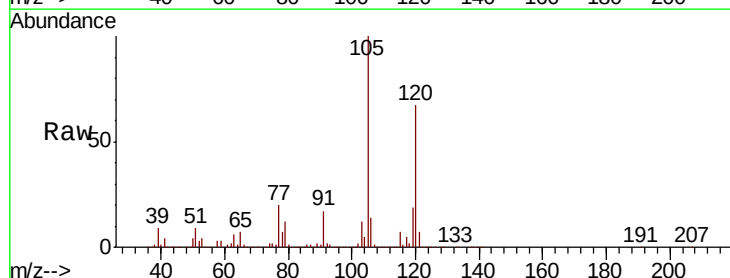
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-27

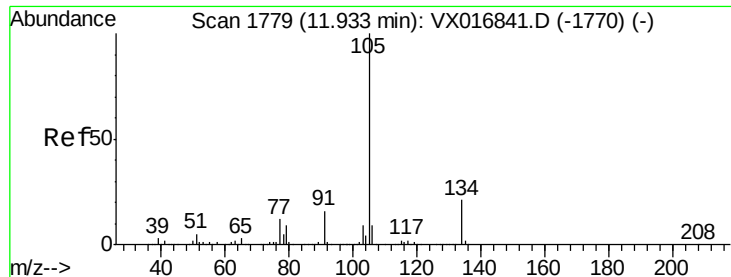
Tot Ion:119 Resp: 2096102
 Ion Ratio Lower Upper
 119 100
 91 84.0 28.5 85.5
 134 0.0 11.7 35.1#



#84
 1,2,4-Trimethylbenzene
 Concen: 966.997 ug/l
 RT: 11.80 min Scan# 1757
 Delta R.T. 0.01 min
 Lab File: VX016889.D
 Acq: 19 Jun 2020 18:53

Tgt Ion:105 Resp:13495147
 Ion Ratio Lower Upper
 105 100
 120 54.7 22.3 66.9





#85

sec-Butylbenzene

Concen: 866.855 ug/l

RT: 11.80 min Scan# 1757

Delta R.T. -0.13 min

Lab File: VX016889.D

Acq: 19 Jun 2020 18:53

Instrument :

MSVOA_X

ClientSampleId :

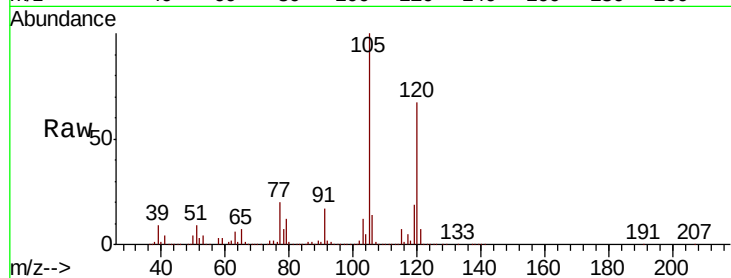
MW-27

Tot Ion:105 Resp:13495147

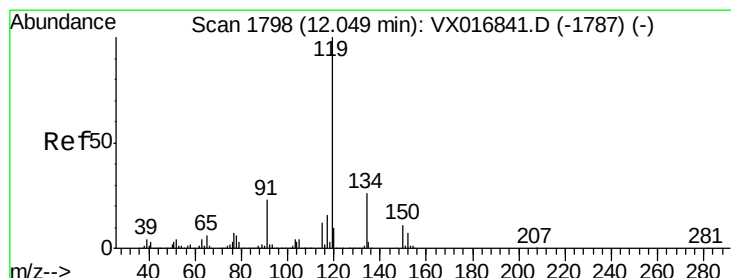
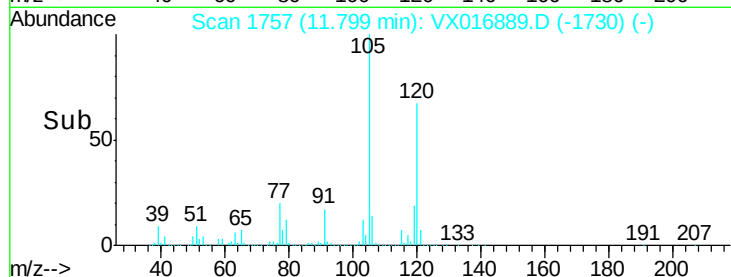
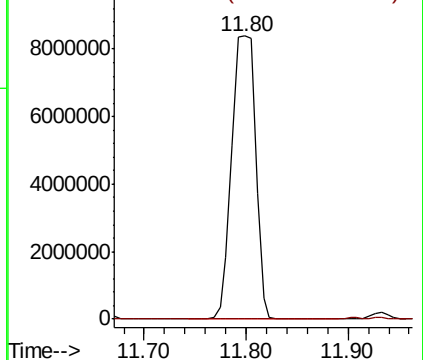
Ion Ratio Lower Upper

105 100

134 0.0 10.4 31.2#



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 9.117 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX016889.D

Acq: 19 Jun 2020 18:53

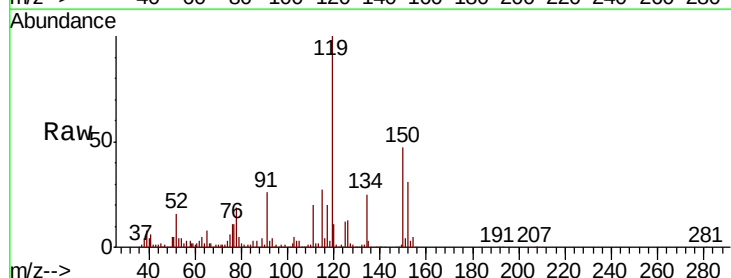
Tgt Ion:119 Resp: 130042

Ion Ratio Lower Upper

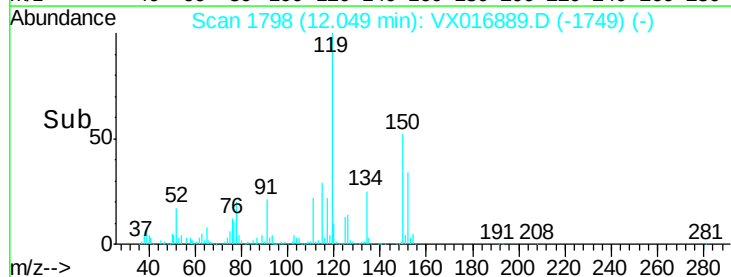
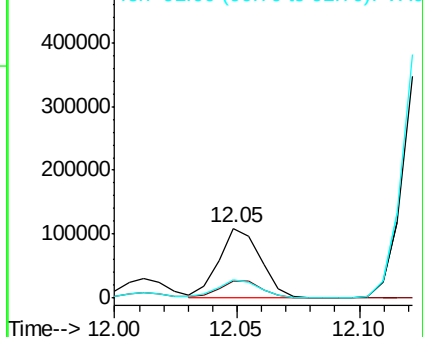
119 100

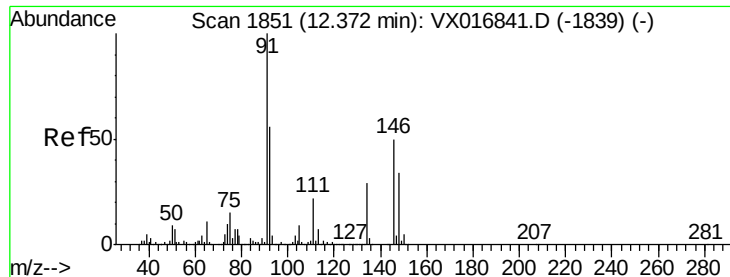
134 25.7 12.9 38.7

91 0.0 11.6 34.8#



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

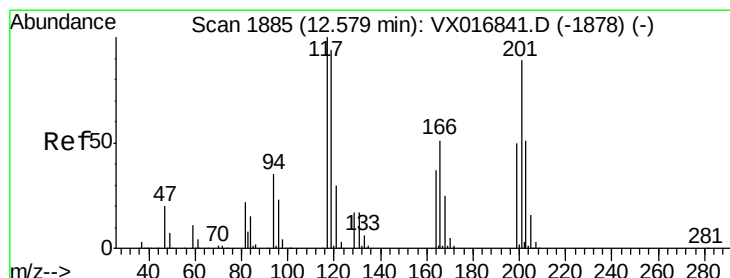
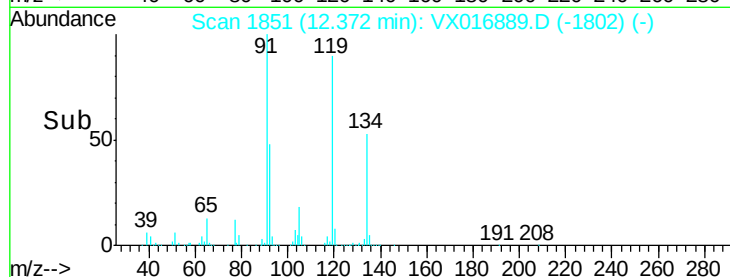
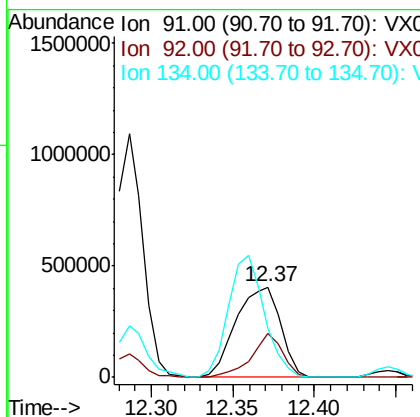
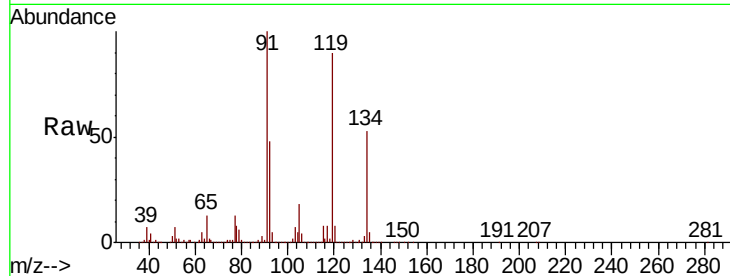




#89
n-Butylbenzene
Concen: 62.869 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX016889.D
Acq: 19 Jun 2020 18:53

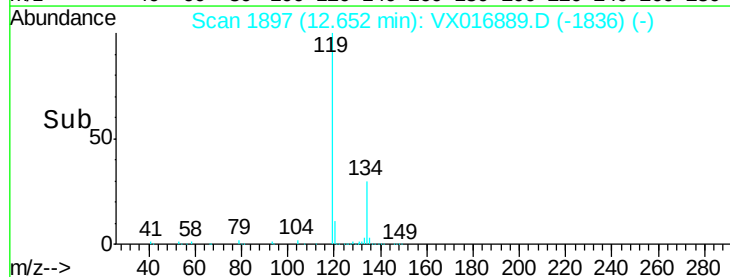
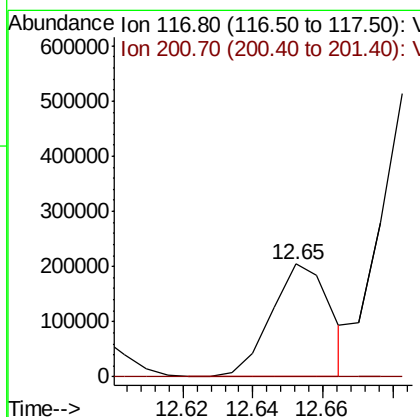
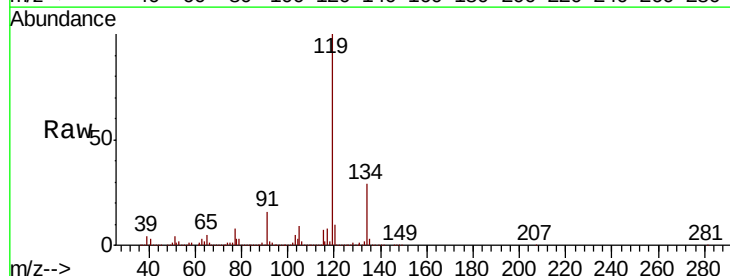
Instrument :
MSVOA_X
ClientSampled :
MW-27

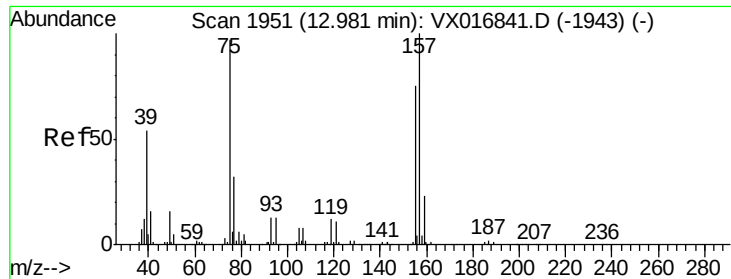
Tot Ion: 91 Resp: 768984
Ion Ratio Lower Upper
91 100
92 34.1 27.4 82.2
134 109.2 13.9 41.6#



#90
Hexachloroethane
Concen: 93.340 ug/l
RT: 12.65 min Scan# 1897
Delta R.T. 0.07 min
Lab File: VX016889.D
Acq: 19 Jun 2020 18:53

Tgt Ion: 117 Resp: 239830
Ion Ratio Lower Upper
117 100
201 0.0 44.9 134.5#





#92

1,2-Dibromo-3-Chloropropane

Concen: 10.123 ug/l

RT: 12.96 min Scan# 1948

Delta R.T. -0.02 min

Lab File: VX016889.D

Acq: 19 Jun 2020 18:53

Instrument :

MSVOA_X

ClientSampled :

MW-27

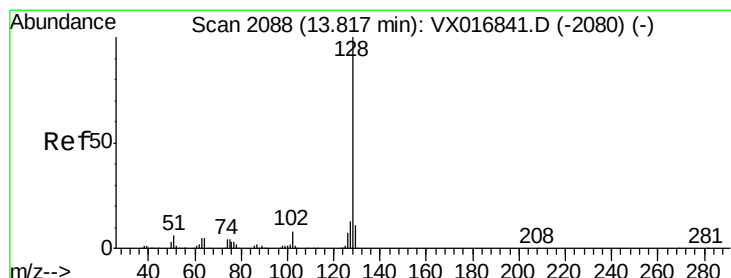
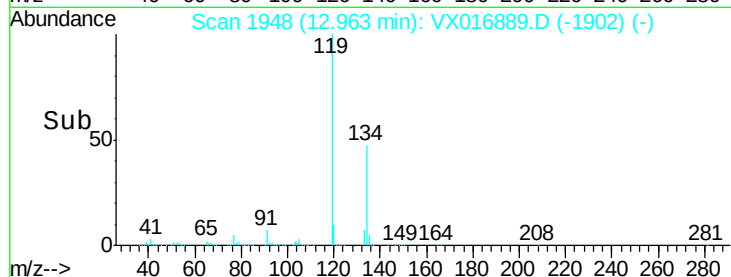
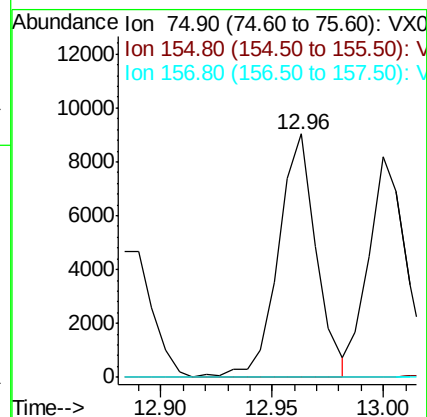
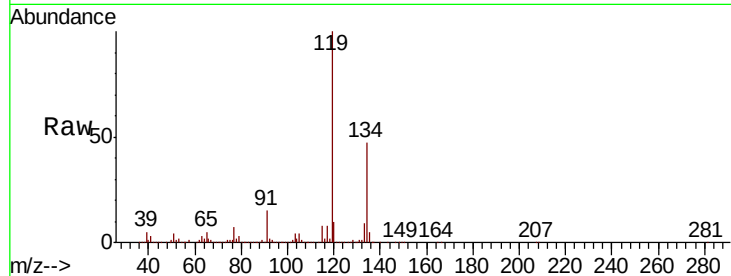
Tot Ion: 75 Resp: 10642

Ion Ratio Lower Upper

75 100

155 0.0 46.4 139.1#

157 0.0 58.6 175.8#



#95

Naphthalene

Concen: 480.641 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016889.D

Acq: 19 Jun 2020 18:53

Tgt Ion:128 Resp: 7156727

Ion Ratio Lower Upper

128 100

127 13.7 10.4 15.6

129 11.8 8.6 13.0

