

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050619\
 Data File : VX009363.D
 Acq On : 06 May 2019 20:10
 Operator : JC/SP
 Sample : K2697-05MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MS

Quant Time: May 07 06:38:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 04 07:18:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	162181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	266385	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	244286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	120376	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	109652	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
35) Dibromofluoromethane	5.49	113	82238	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
50) Toluene-d8	8.71	98	331433	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
62) 4-Bromofluorobenzene	11.13	95	120295	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	67939	45.459	ug/l	100
3) Chloromethane	1.32	50	95192	46.653	ug/l	98
4) Vinyl Chloride	1.41	62	93652	47.069	ug/l	97
5) Bromomethane	1.64	94	46997	39.354	ug/l	98
6) Chloroethane	1.71	64	60646	47.475	ug/l	99
7) Trichlorofluoromethane	1.92	101	117290	48.496	ug/l	99
8) Diethyl Ether	2.19	74	56495	49.314	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	71684	47.199	ug/l	99
10) Methyl Iodide	2.51	142	63703	37.377	ug/l	99
11) Tert butyl alcohol	3.06	59	147377	287.577	ug/l	98
12) 1,1-Dichloroethene	2.37	96	72710	47.781	ug/l	99
13) Acrolein	2.29	56	102456	220.755	ug/l	100
14) Allyl chloride	2.73	41	171767	46.318	ug/l	99
15) Acrylonitrile	3.14	53	321693	256.728	ug/l	100
16) Acetone	2.45	43	275222	231.510	ug/l	99
17) Carbon Disulfide	2.56	76	188912	44.217	ug/l	100
18) Methyl Acetate	2.78	43	133376	47.175	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	292619	49.519	ug/l	99
20) Methylene Chloride	2.85	84	90446	46.988	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	78301	47.446	ug/l	100
22) Diisopropyl ether	3.86	45	350479	49.143	ug/l	93
23) Vinyl Acetate	3.82	43	1459332	238.959	ug/l	100
24) 1,1-Dichloroethane	3.70	63	169428	48.158	ug/l	100
25) 2-Butanone	4.68	43	477843	258.660	ug/l	99
26) 2,2-Dichloropropane	4.58	77	98648	37.670	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	95461	48.461	ug/l	96
28) Bromochloromethane	5.02	49	71742	50.695	ug/l	100
29) Tetrahydrofuran	5.13	42	315117	265.076	ug/l	100
30) Chloroform	5.21	83	157887	49.619	ug/l	99
31) Cyclohexane	5.58	56	153028	46.752	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	128704	48.588	ug/l	99
36) 1,1-Dichloropropene	5.80	75	115092	46.491	ug/l	99
37) Ethyl Acetate	4.84	43	163516	47.407	ug/l	100
38) Carbon Tetrachloride	5.79	117	105744	47.014	ug/l	100

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Quant Time: May 07 06:38:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 04 07:18:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	136625	44.939	ug/l	99
40) Benzene	6.14	78	363218	47.409	ug/l	98
41) Methacrylonitrile	5.04	41	100228	48.816	ug/l	99
42) 1,2-Dichloroethane	6.20	62	133480	48.569	ug/l	99
43) Isopropyl Acetate	6.45	43	266803	48.359	ug/l	100
44) Trichloroethene	7.21	130	84694	45.727	ug/l	98
45) 1,2-Dichloropropane	7.51	63	105019	48.409	ug/l	98
46) Dibromomethane	7.66	93	59986	47.616	ug/l	99
47) Bromodichloromethane	7.90	83	121525	48.360	ug/l	98
48) Methyl methacrylate	7.77	41	139856	51.095	ug/l	99
49) 1,4-Dioxane	7.74	88	55970	1008.290	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	946914	262.585	ug/l	100
52) Toluene	8.79	92	223127	47.911	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	134947	47.564	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	147762	47.054	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	92696	48.788	ug/l	96
56) Ethyl methacrylate	9.18	69	169720	50.041	ug/l	100
57) 1,3-Dichloropropane	9.37	76	161237	48.224	ug/l	100
59) 2-Hexanone	9.49	43	743101	262.376	ug/l	100
60) Dibromochloromethane	9.58	129	92728	49.969	ug/l	100
61) 1,2-Dibromoethane	9.67	107	93538	48.771	ug/l	99
64) Tetrachloroethene	9.34	164	77244	46.097	ug/l	96
65) Chlorobenzene	10.14	112	230524	47.173	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	84575	47.737	ug/l	99
67) Ethyl Benzene	10.25	91	426480	47.420	ug/l	100
68) m/p-Xylenes	10.36	106	312397	95.053	ug/l	99
69) o-Xylene	10.70	106	154209	47.556	ug/l	100
70) Stvrene	10.71	104	269256	47.774	ug/l	99
71) Bromoform	10.86	173	72271	50.197	ug/l #	99
73) Isopropylbenzene	11.02	105	409827	46.818	ug/l	99
74) N-amyl acetate	10.90	43	240492	47.123	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	162945	49.934	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	183728	65.798	ug/l	82
77) Bromobenzene	11.26	156	102072	46.980	ug/l	99
78) n-propylbenzene	11.36	91	471441	47.158	ug/l	100
79) 2-Chlorotoluene	11.42	91	282838	45.858	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	348240	47.247	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	49756	45.593	ug/l	99
82) 4-Chlorotoluene	11.51	91	324114	46.517	ug/l	99
83) tert-Butylbenzene	11.77	119	338747	47.245	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	351416	47.500	ug/l	100
85) sec-Butylbenzene	11.94	105	397499	46.761	ug/l	100
86) p-Isopropyltoluene	12.06	119	362998	47.500	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	183169	47.291	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	183788	47.066	ug/l	99
89) n-Butylbenzene	12.38	91	328786	47.601	ug/l	100
90) Hexachloroethane	12.60	117	61815	47.479	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	189318	47.989	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	37430	51.132	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	132233	49.016	ug/l	98

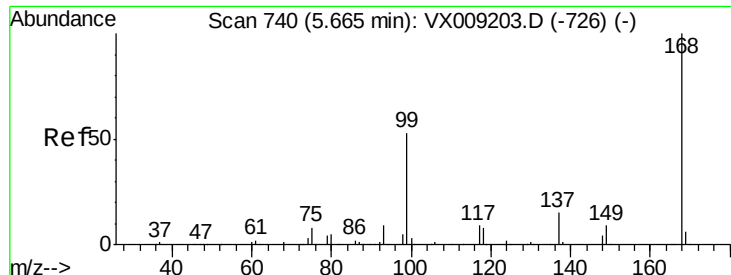
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Sat May 04 07:18:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	65964	47.882	ug/l	99
95) Naphthalene	13.83	128	445583	50.768	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	135451	49.532	ug/l	100

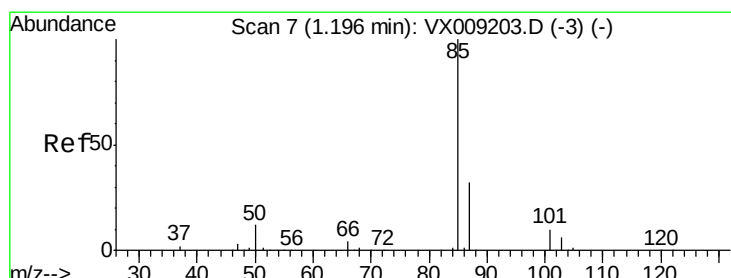
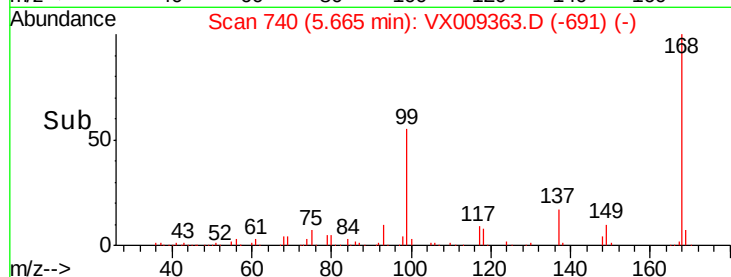
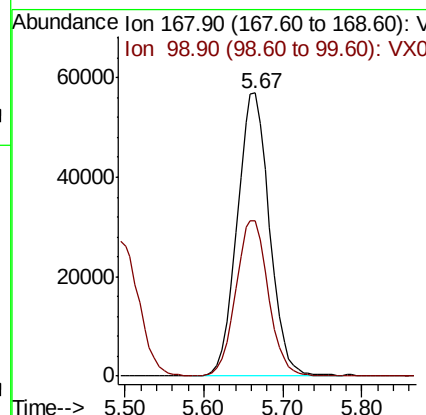
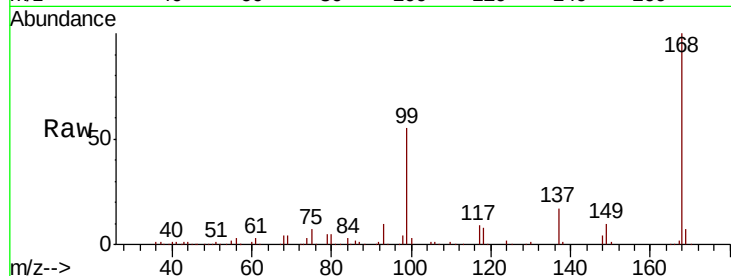
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.00 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

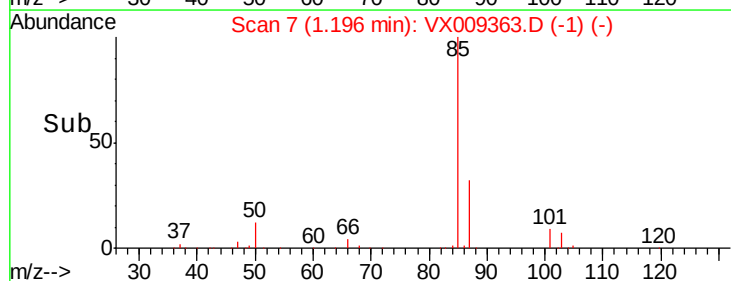
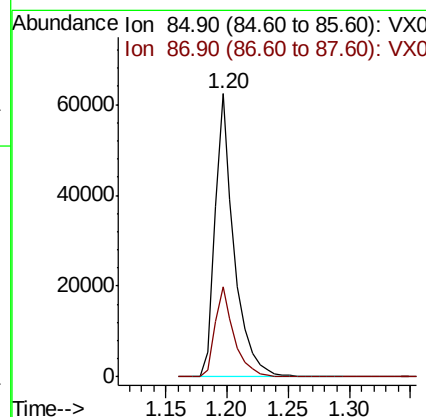
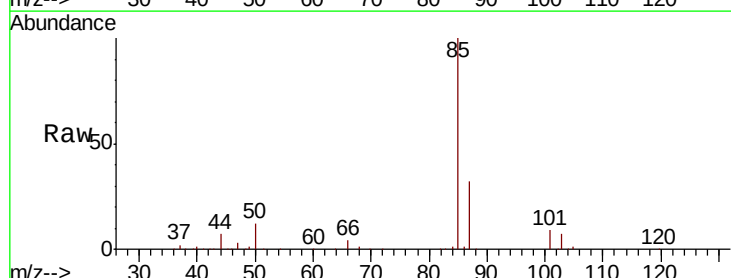
Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MS

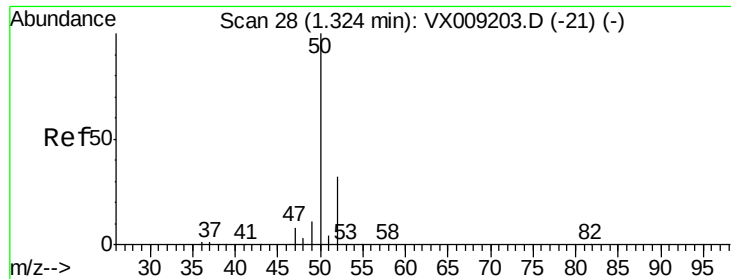
Tot Ion:168 Resp: 162181
Ion Ratio Lower Upper
168 100
99 54.8 42.3 63.5



#2
Dichlorodifluoromethane
Concen: 45.459 ug/l
RT: 1.20 min Scan# 7
Delta R.T. 0.00 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

Tgt Ion: 85 Resp: 67939
Ion Ratio Lower Upper
85 100
87 32.0 16.1 48.3





#3

Chloromethane

Concen: 46.653 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

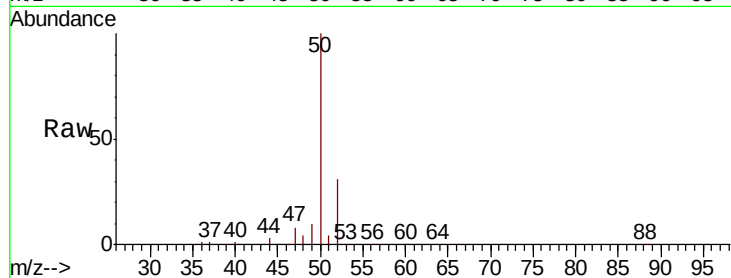
MW-4-20190502MS

Tot Ion: 50 Resp: 95192

Ion Ratio Lower Upper

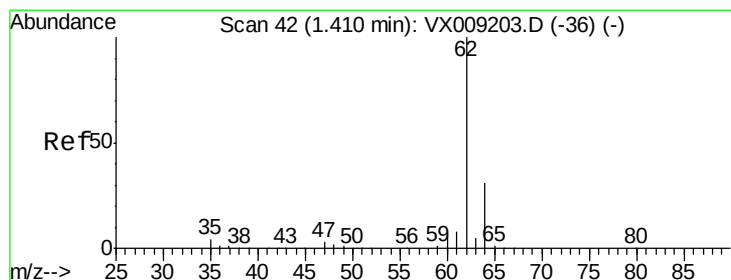
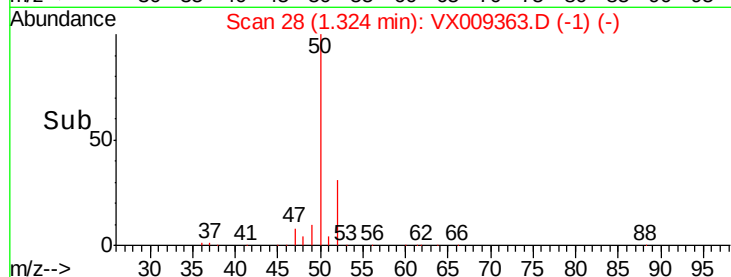
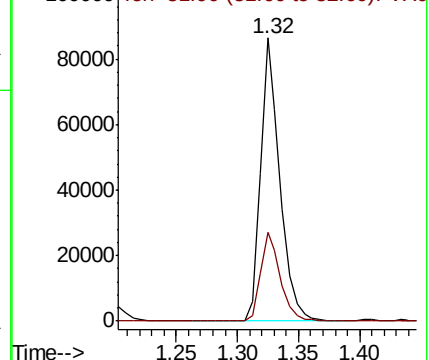
50 100

52 31.2 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 47.069 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009363.D

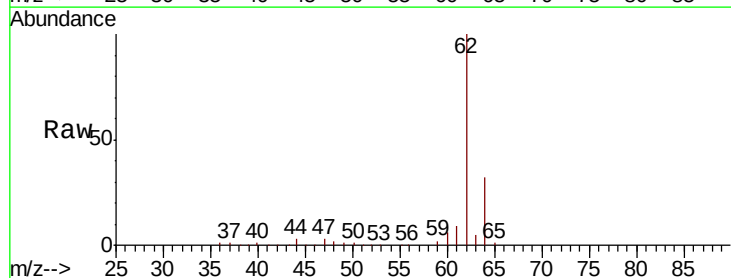
Acq: 06 May 2019 20:10

Tgt Ion: 62 Resp: 93652

Ion Ratio Lower Upper

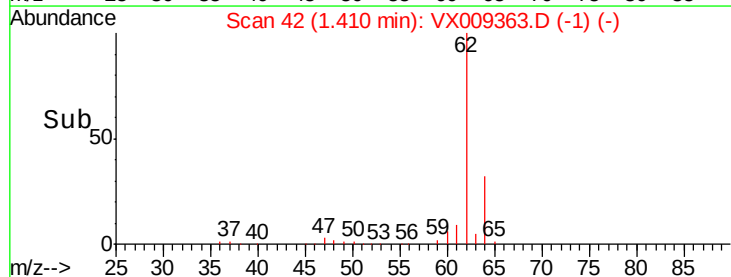
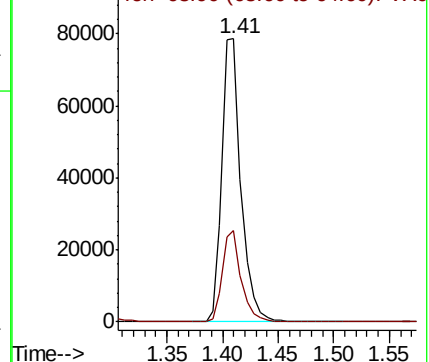
62 100

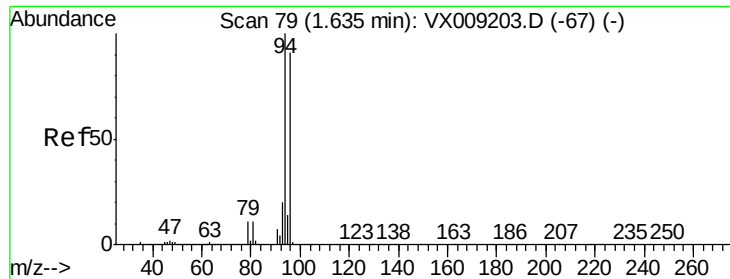
64 32.1 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 39.354 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

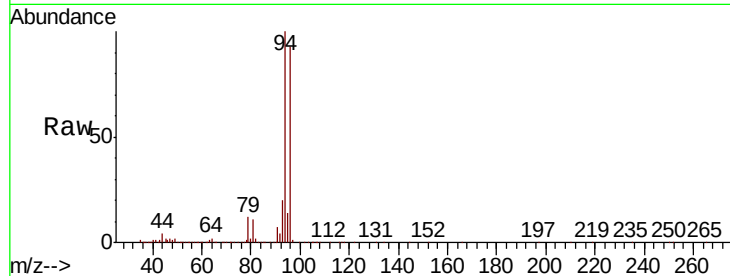
MW-4-20190502MS

Tot Ion: 94 Resp: 46997

Ion Ratio Lower Upper

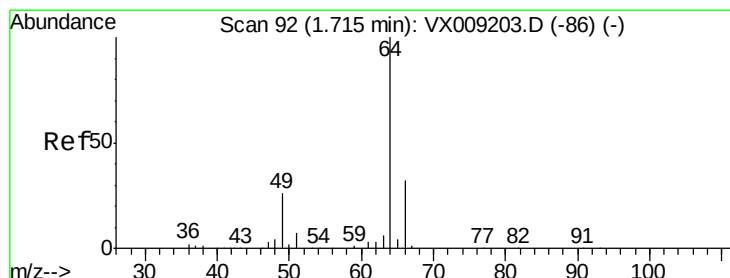
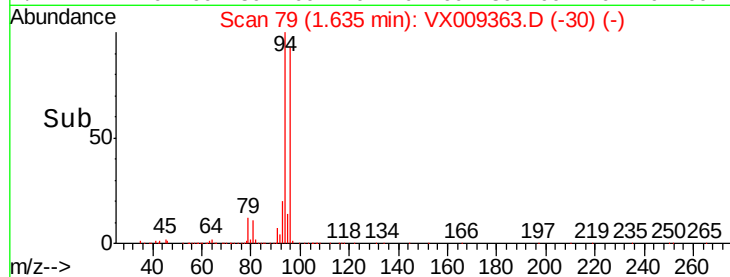
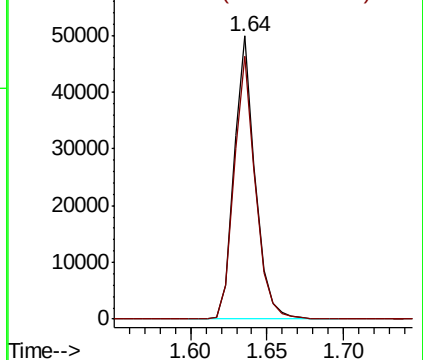
94 100

96 92.8 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 47.475 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX009363.D

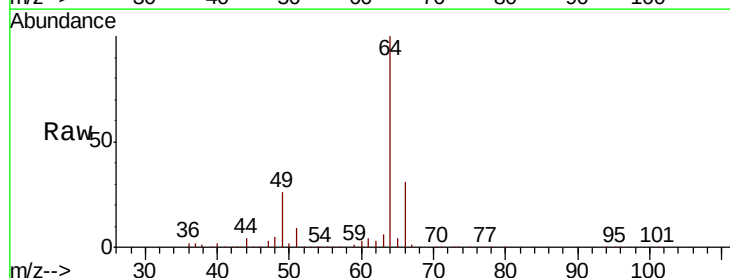
Acq: 06 May 2019 20:10

Tgt Ion: 64 Resp: 60646

Ion Ratio Lower Upper

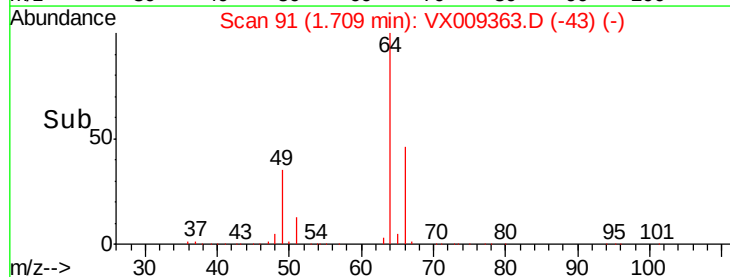
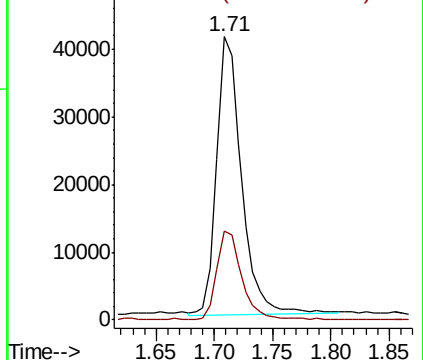
64 100

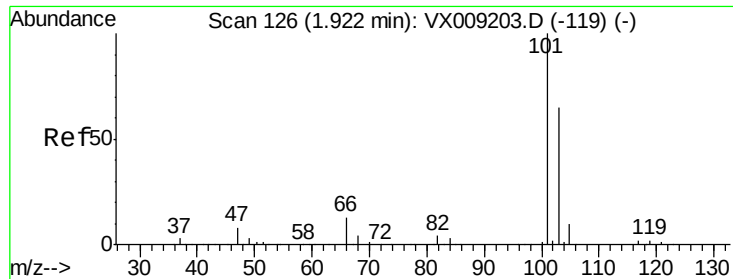
66 32.1 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



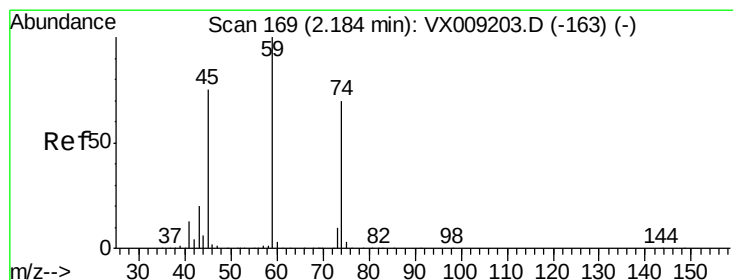
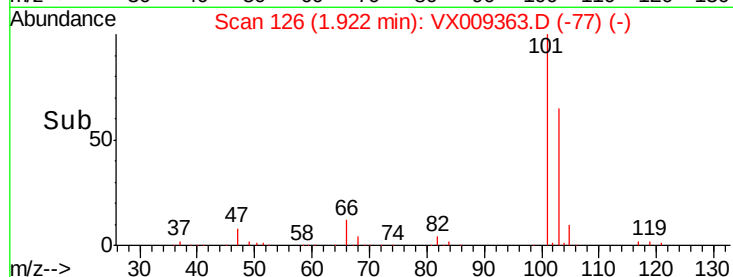
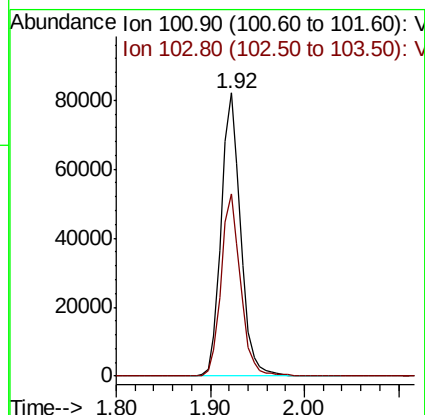
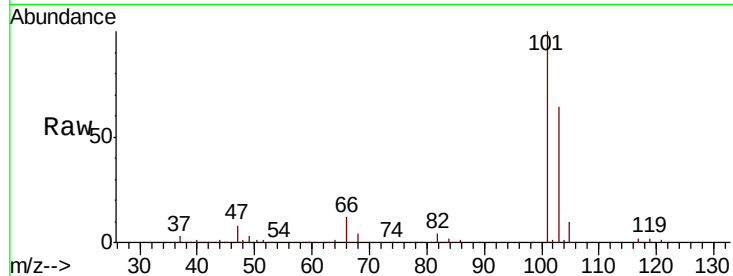


#7

Trichlorofluoromethane
Concen: 48.496 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

Instrument :
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ClientSampleId :
MW-4-20190502MS

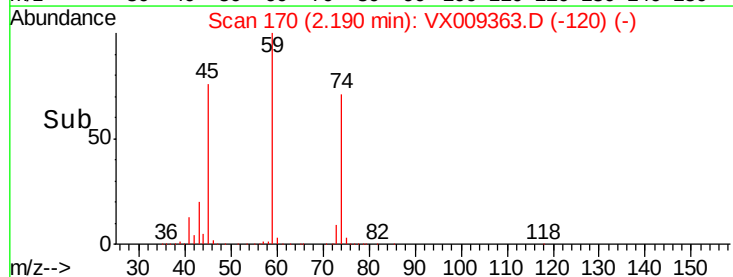
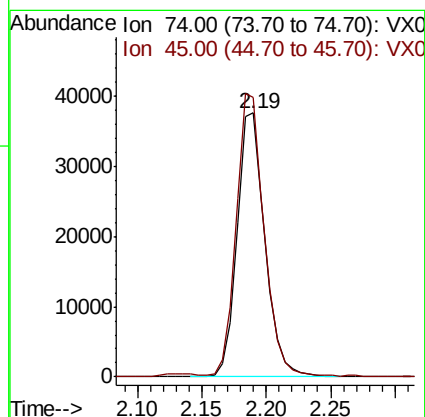
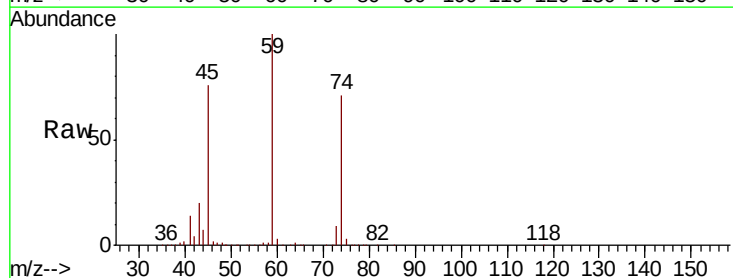
Tot Ion:101 Resp: 117290
Ion Ratio Lower Upper
101 100
103 64.5 52.4 78.6

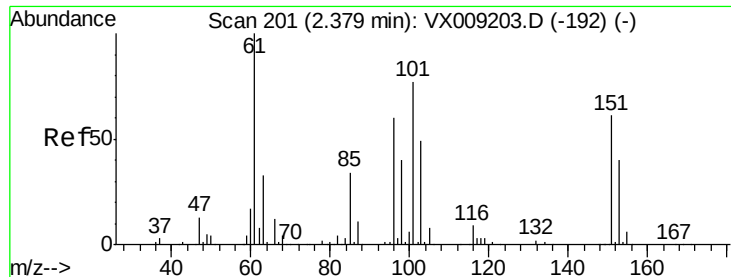


#8

Diethyl Ether
Concen: 49.314 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

Tgt Ion: 74 Resp: 56495
Ion Ratio Lower Upper
74 100
45 106.5 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.199 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MS

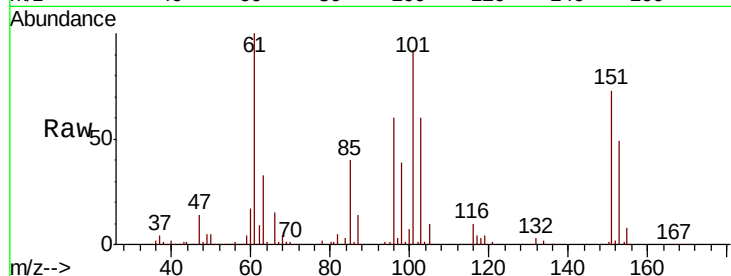
Tot Ion:101 Resp: 71684

Ion Ratio Lower Upper

101 100

85 44.3 35.7 53.5

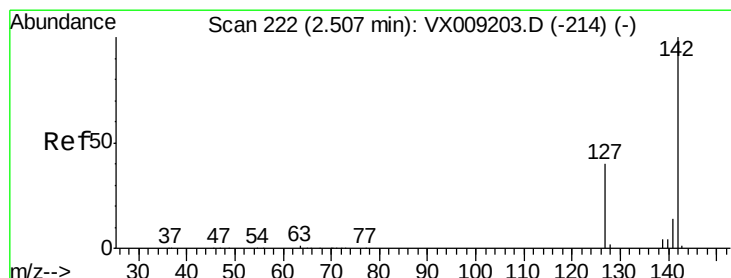
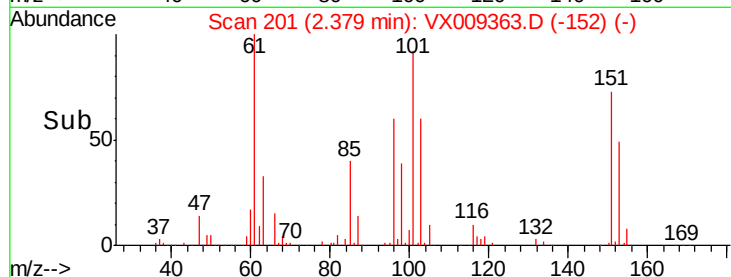
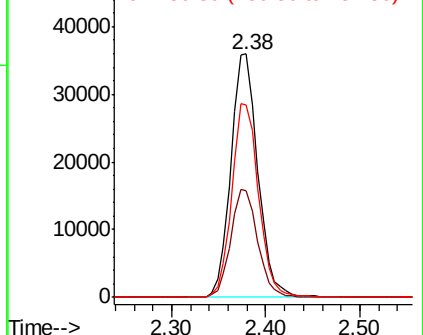
151 78.9 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 37.377 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

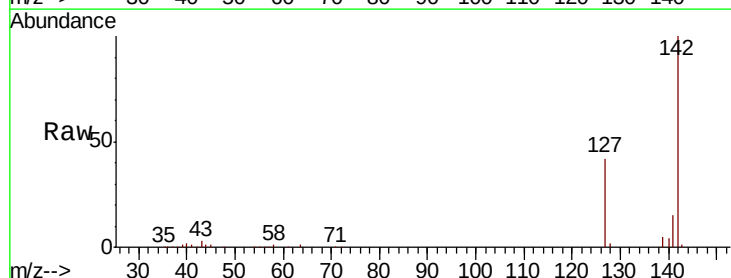
Tgt Ion:142 Resp: 63703

Ion Ratio Lower Upper

142 100

127 41.3 32.7 49.1

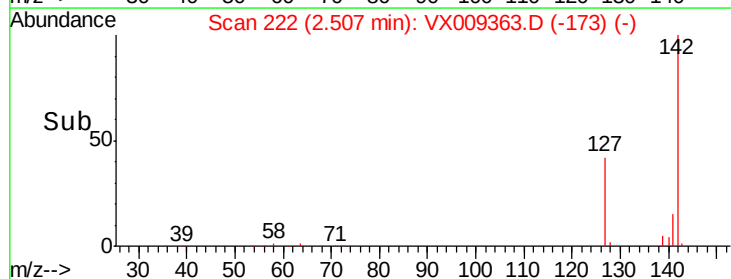
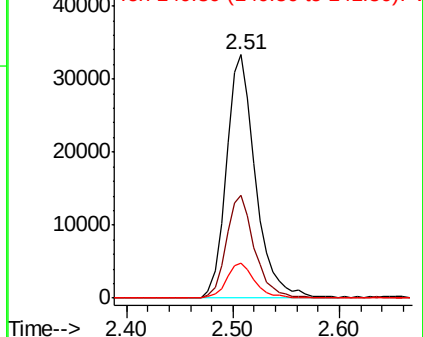
141 14.0 11.5 17.3

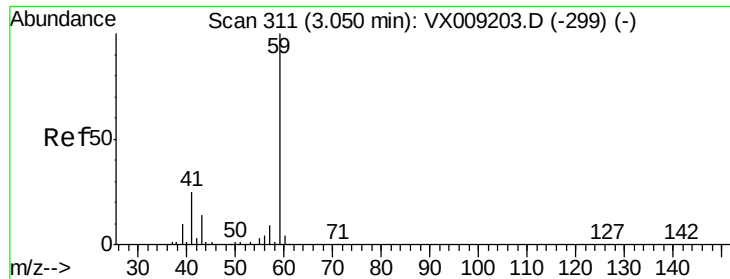


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

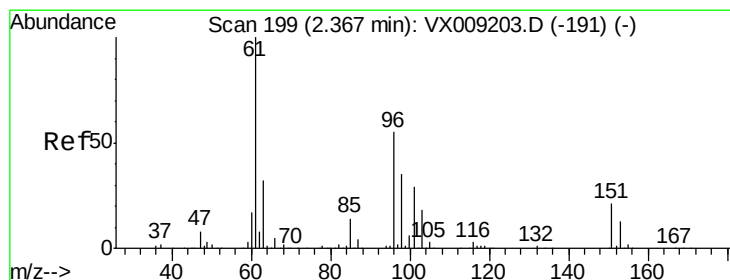
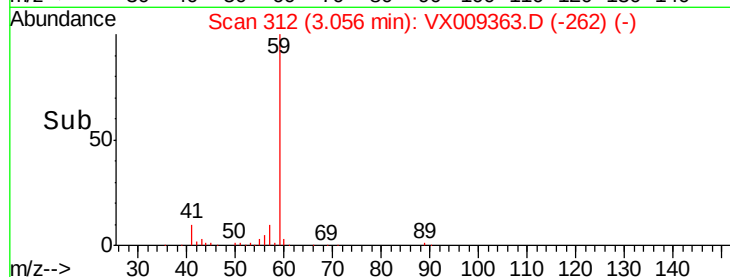
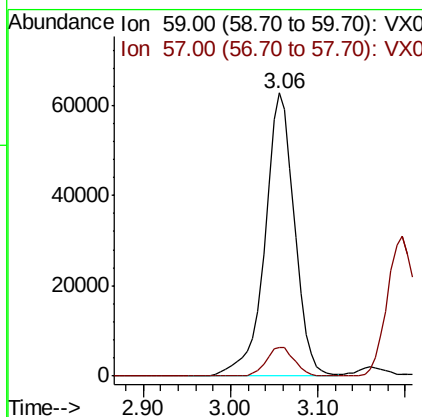
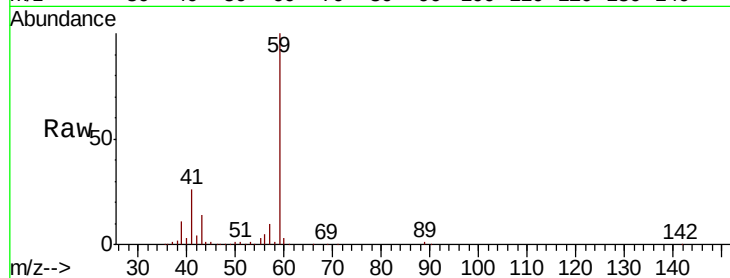




#11
Tert butyl alcohol
Concen: 287.577 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

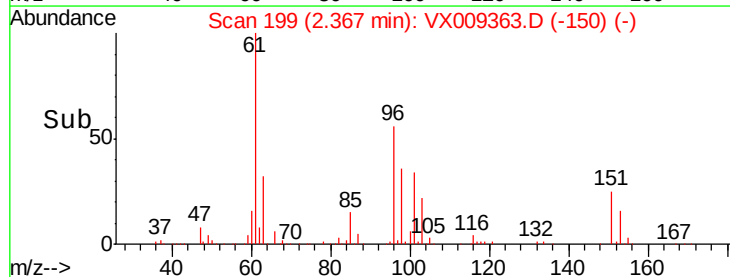
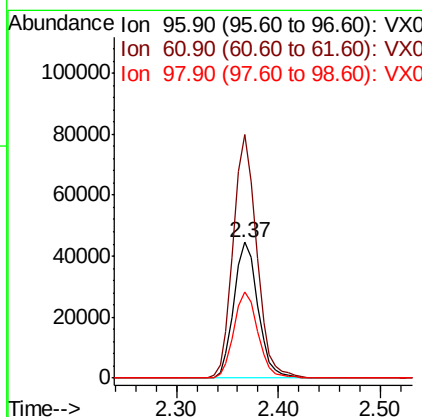
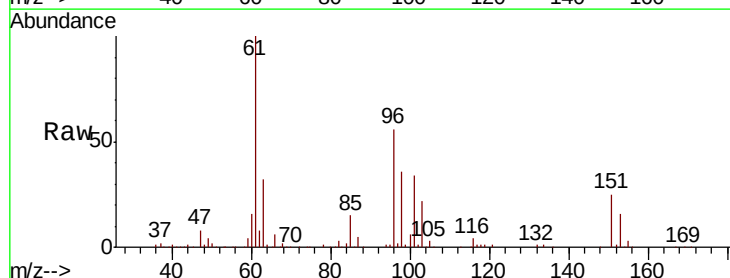
Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MS

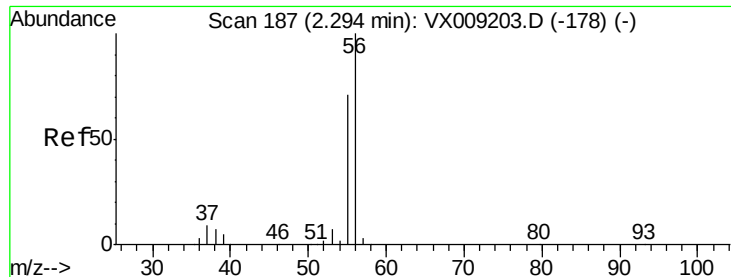
Tot Ion: 59 Resp: 147377
Ion Ratio Lower Upper
59 100
57 9.5 8.2 12.2



#12
1,1-Dichloroethene
Concen: 47.781 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

Tgt Ion: 96 Resp: 72710
Ion Ratio Lower Upper
96 100
61 179.0 144.3 216.5
98 63.8 50.3 75.5





#13

Acrolein

Concen: 220.755 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

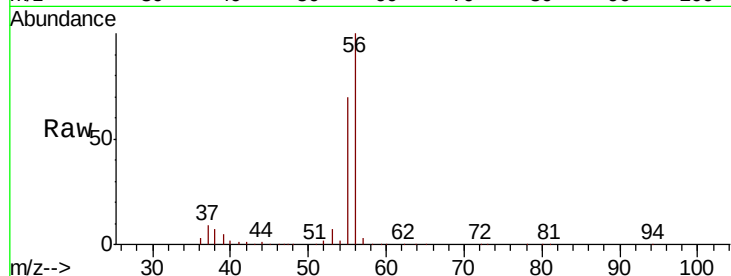
MW-4-20190502MS

Tot Ion: 56 Resp: 102456

Ion Ratio Lower Upper

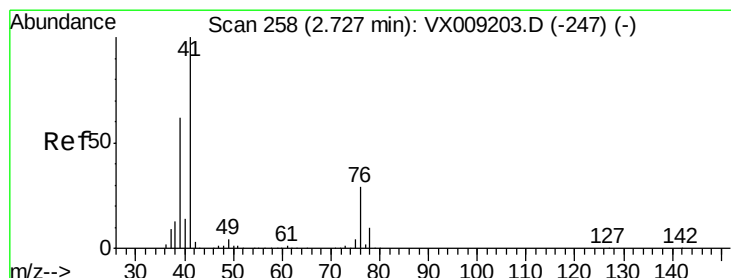
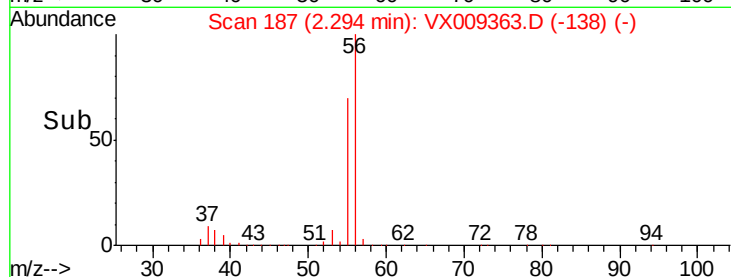
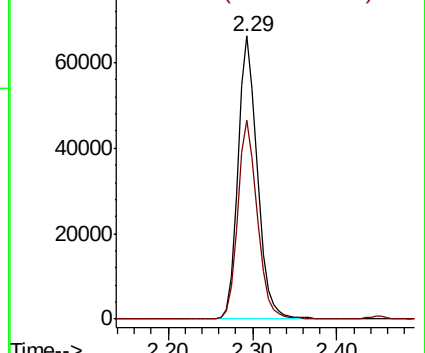
56 100

55 70.6 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 46.318 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

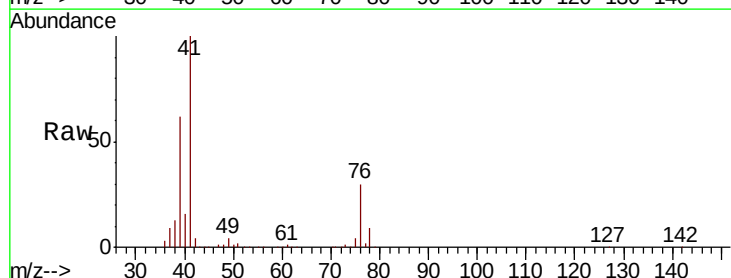
Tgt Ion: 41 Resp: 171767

Ion Ratio Lower Upper

41 100

39 57.3 46.7 70.1

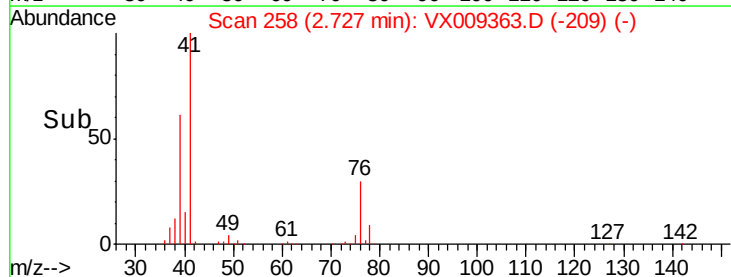
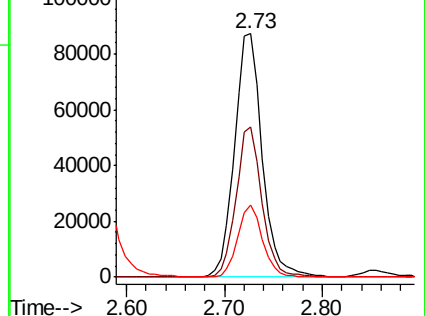
76 26.7 21.8 32.8

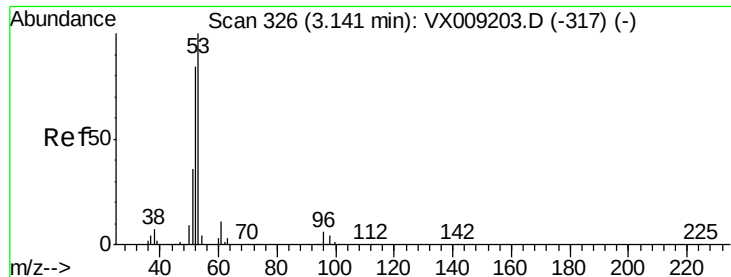


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 256.728 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MS

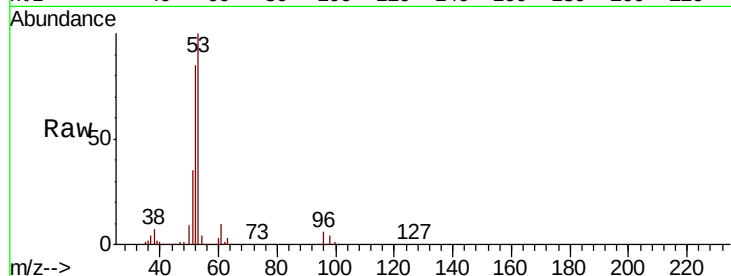
Tot Ion: 53 Resp: 321693

Ion Ratio Lower Upper

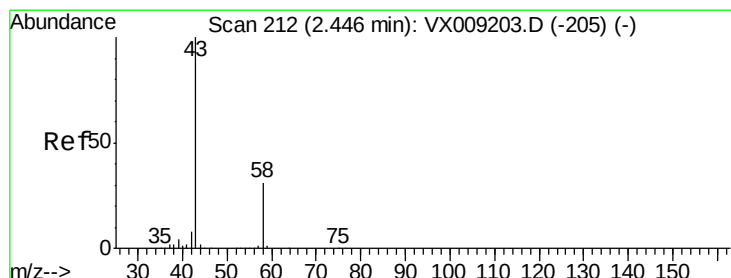
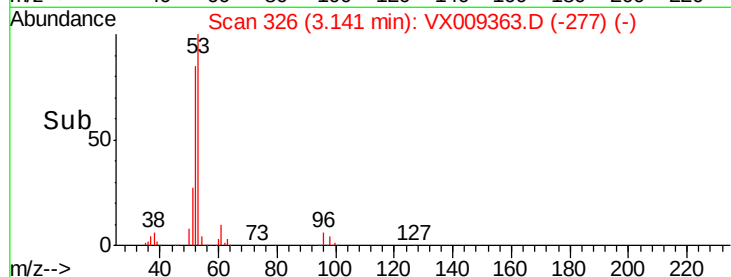
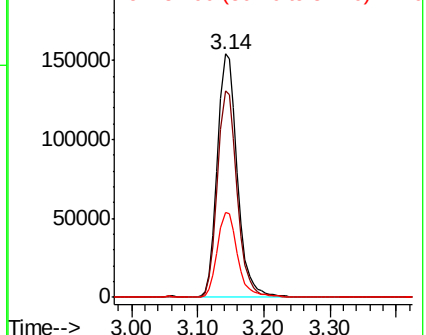
53 100

52 83.9 66.9 100.3

51 35.5 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 231.510 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009363.D

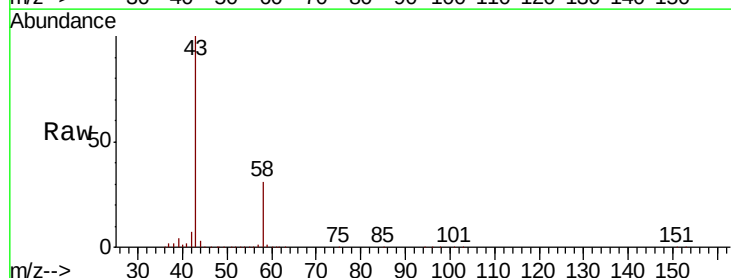
Acq: 06 May 2019 20:10

Tgt Ion: 43 Resp: 275222

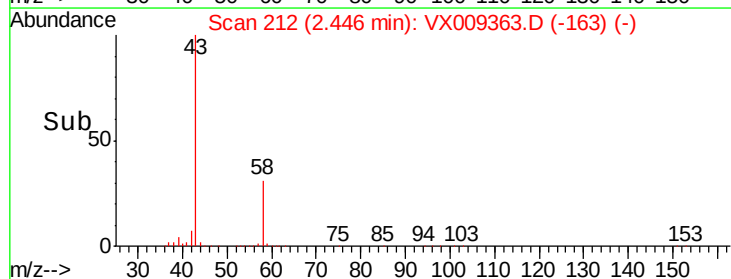
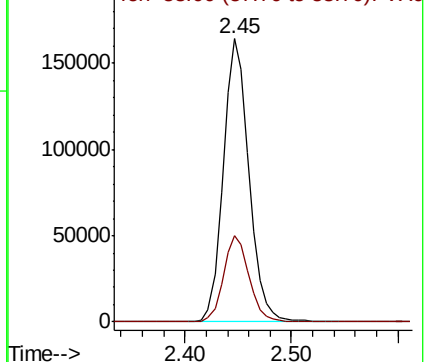
Ion Ratio Lower Upper

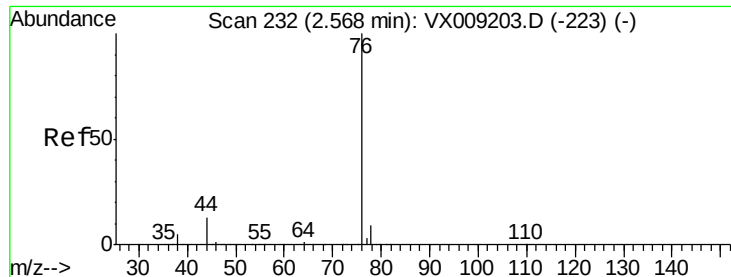
43 100

58 30.5 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 44.217 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

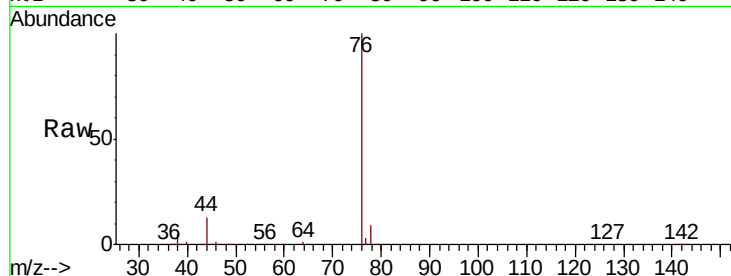
MW-4-20190502MS

Tot Ion: 76 Resp: 188912

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

100000

80000

60000

40000

20000

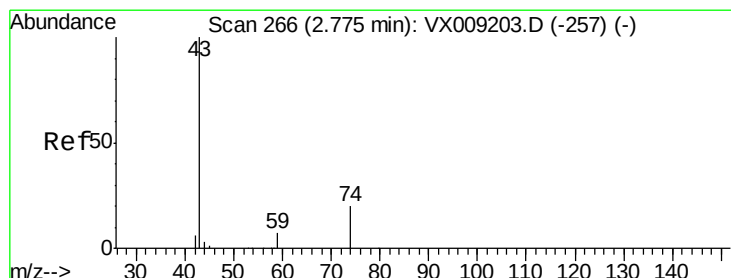
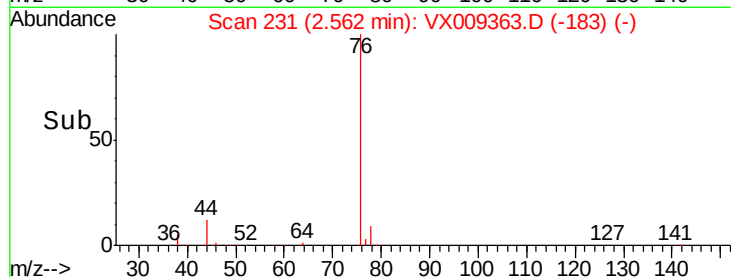
0

Time-->

2.50

2.60

2.70



#18

Methyl Acetate

Concen: 47.175 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009363.D

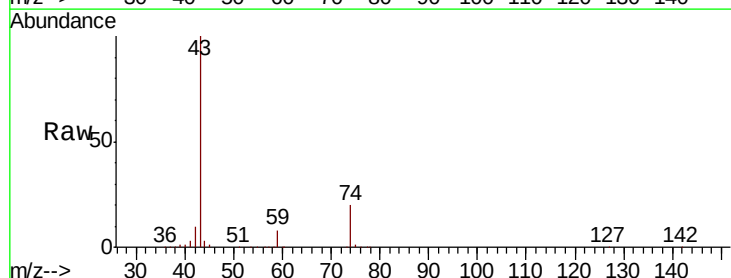
Acq: 06 May 2019 20:10

Tgt Ion: 43 Resp: 133376

Ion Ratio Lower Upper

43 100

74 20.6 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

80000

60000

40000

20000

0

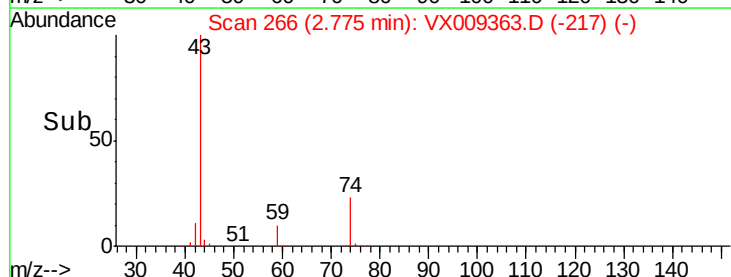
Time-->

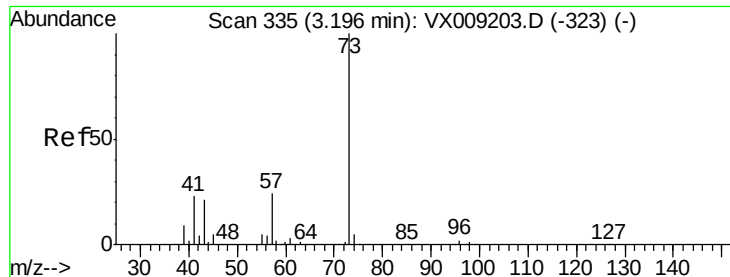
2.70

2.75

2.80

2.85

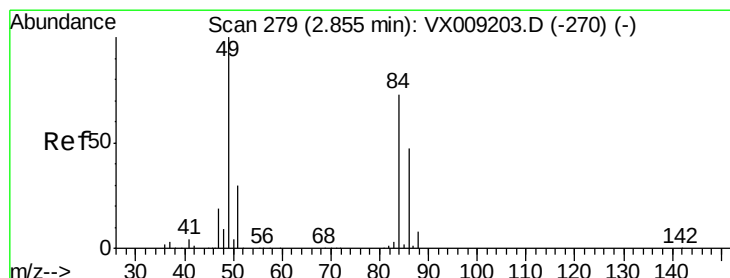
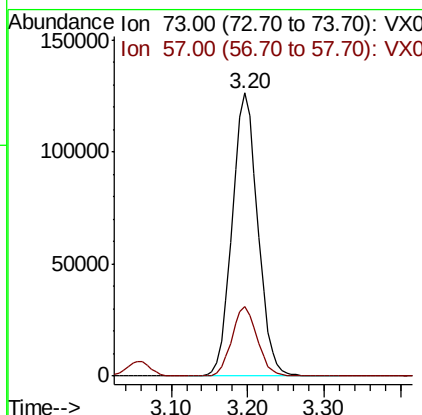
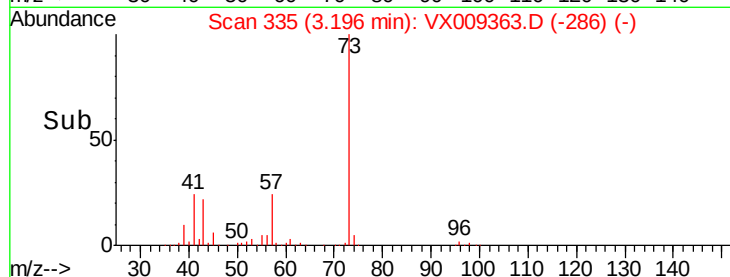
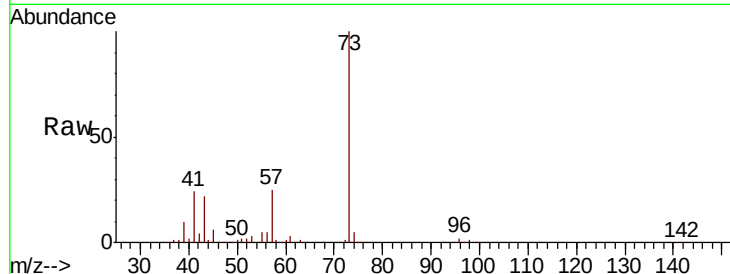




#19
Methyl tert-butyl Ether
Concen: 49.519 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

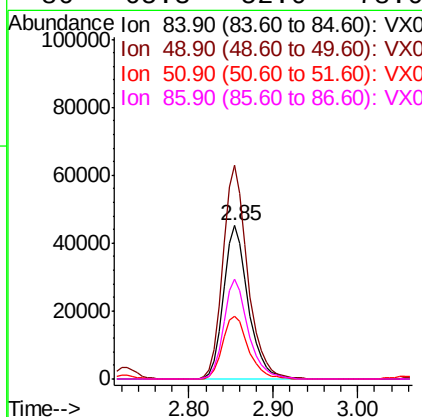
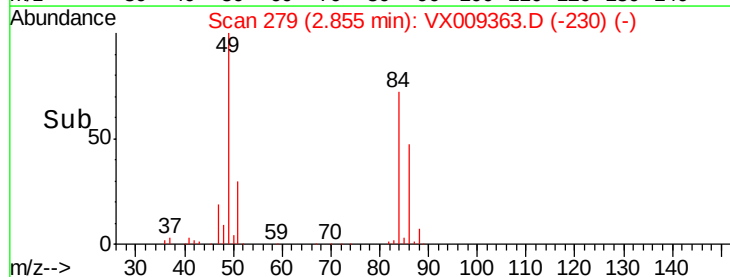
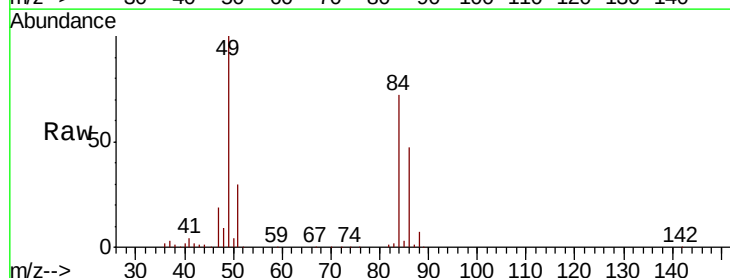
Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MS

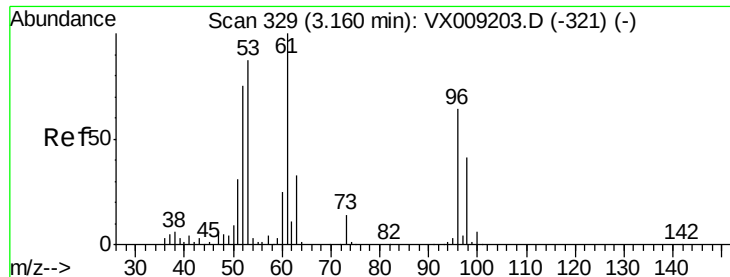
Tot Ion: 73 Resp: 292619
Ion Ratio Lower Upper
73 100
57 24.5 19.3 28.9



#20
Methylene Chloride
Concen: 46.988 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

Tgt Ion: 84 Resp: 90446
Ion Ratio Lower Upper
84 100
49 139.4 109.9 164.9
51 41.4 32.7 49.1
86 65.3 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 47.446 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MS

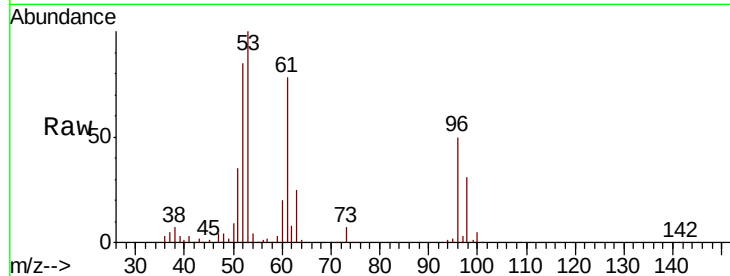
Tot Ion: 96 Resp: 78301

Ion Ratio Lower Upper

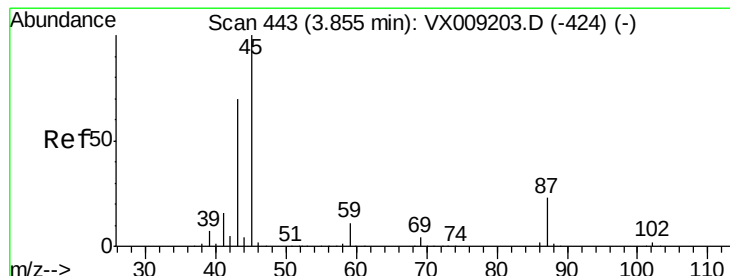
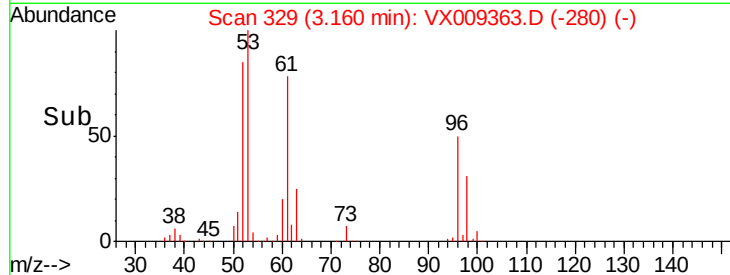
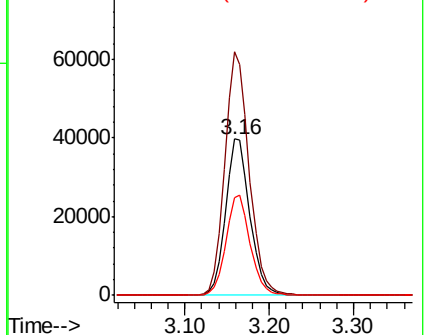
96 100

61 155.6 124.5 186.7

98 62.4 50.4 75.6



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 49.143 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Tgt Ion: 45 Resp: 350479

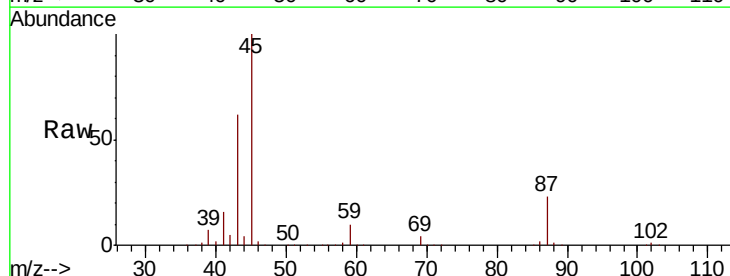
Ion Ratio Lower Upper

45 100

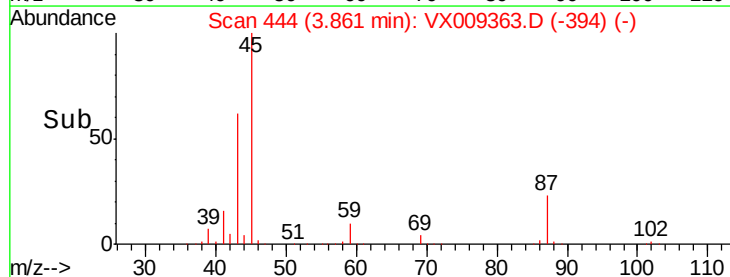
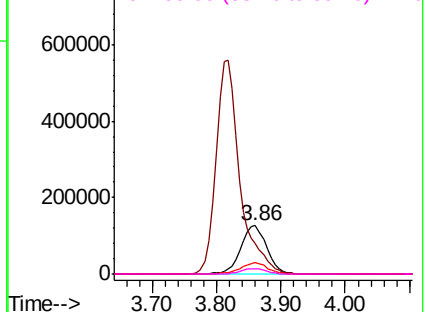
43 62.3 56.1 84.1

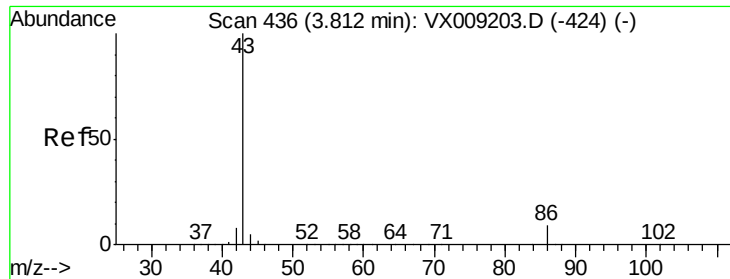
87 22.7 18.1 27.1

59 10.3 8.5 12.7



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 238.959 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

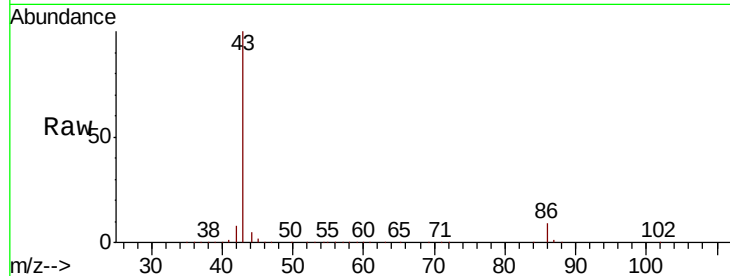
MW-4-20190502MS

Tot Ion: 43 Resp: 1459332

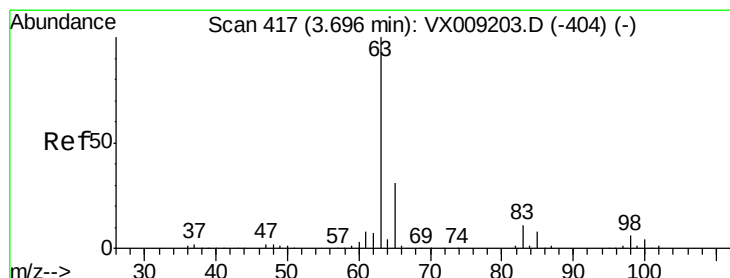
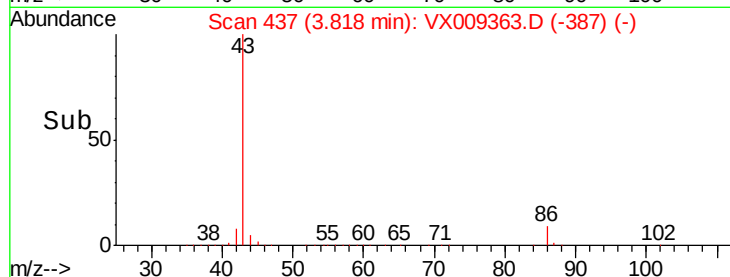
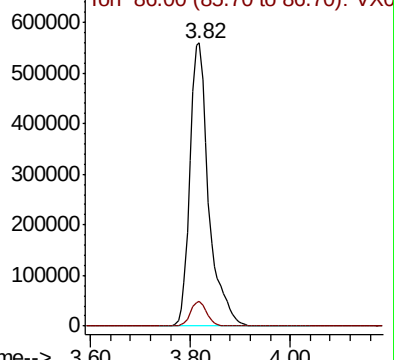
Ion Ratio Lower Upper

43 100

86 8.7 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VX009363.D (-387) (-)



#24

1,1-Dichloroethane

Concen: 48.158 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

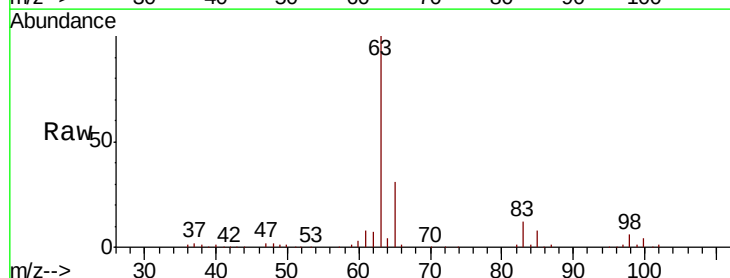
Tgt Ion: 63 Resp: 169428

Ion Ratio Lower Upper

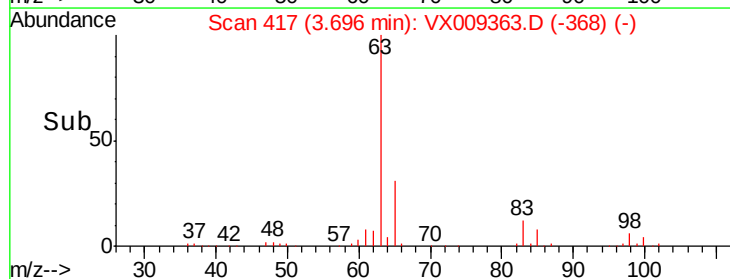
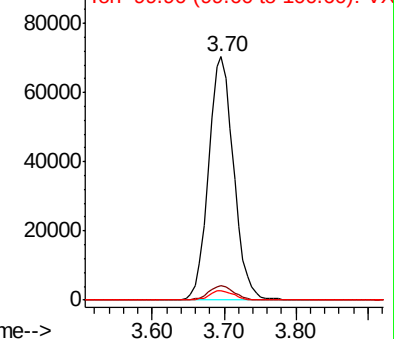
63 100

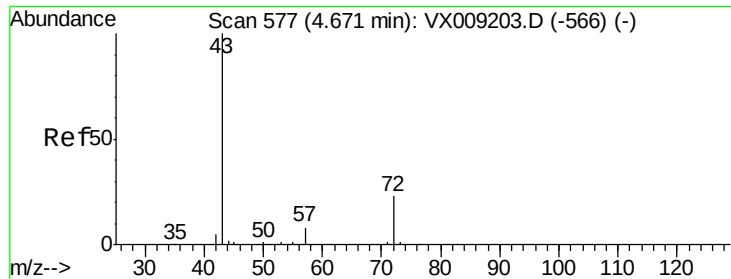
98 6.1 3.0 9.2

100 3.9 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX009363.D (-368) (-)





#25

2-Butanone

Concen: 258.660 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

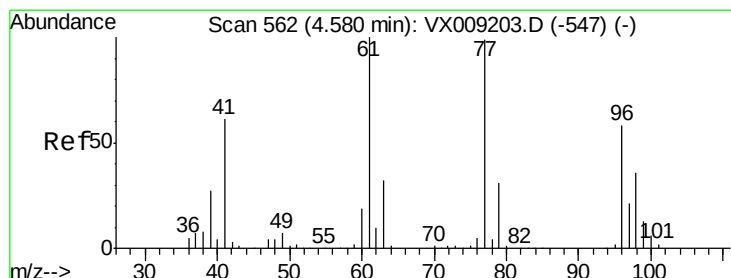
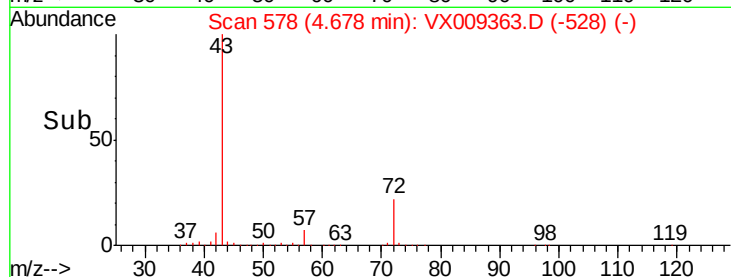
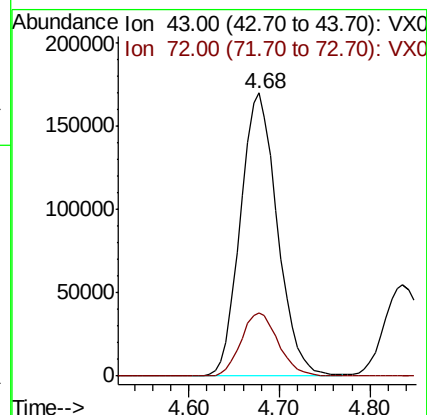
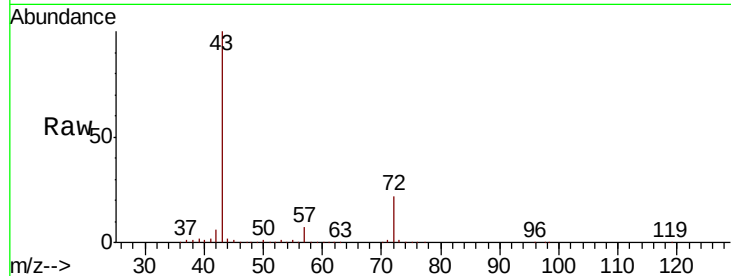
MW-4-20190502MS

Tot Ion: 43 Resp: 477843

Ion Ratio Lower Upper

43 100

72 22.2 18.2 27.2



#26

2,2-Dichloropropane

Concen: 37.670 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009363.D

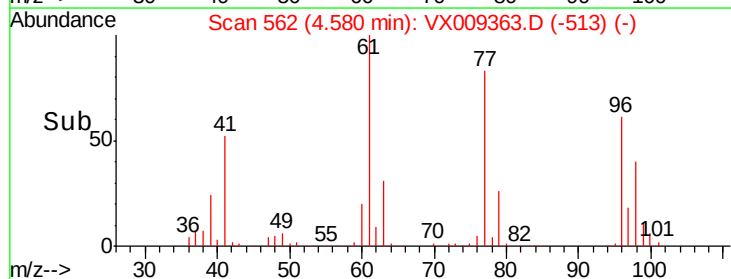
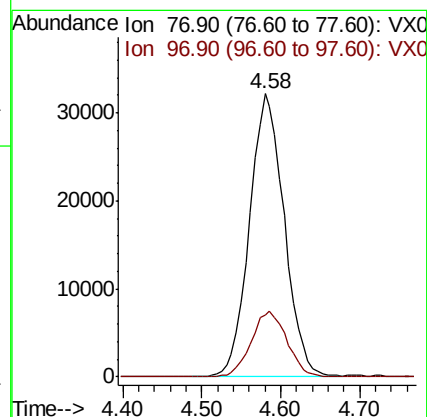
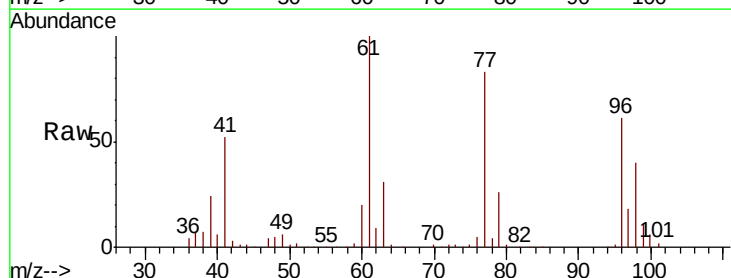
Acq: 06 May 2019 20:10

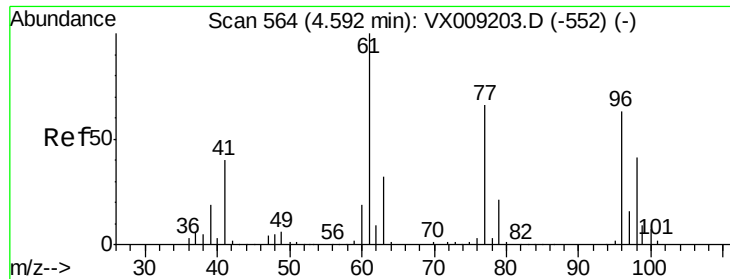
Tgt Ion: 77 Resp: 98648

Ion Ratio Lower Upper

77 100

97 23.8 11.5 34.4



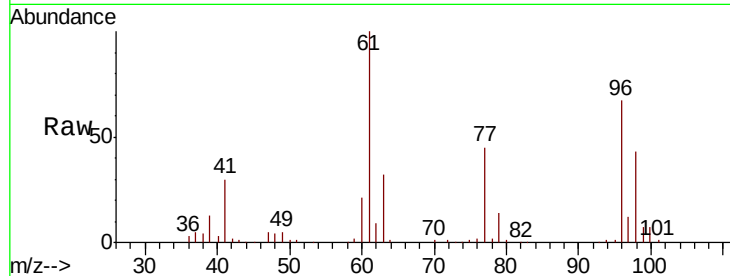


#27

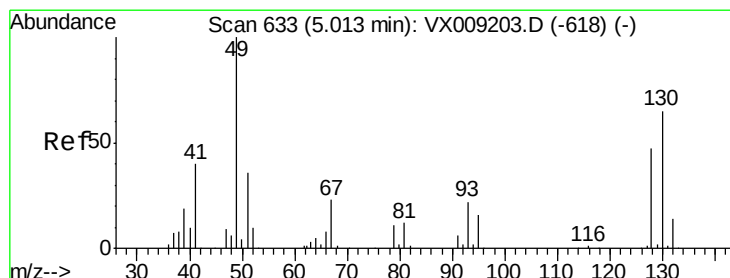
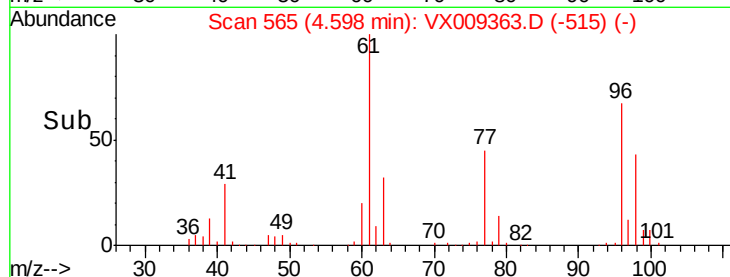
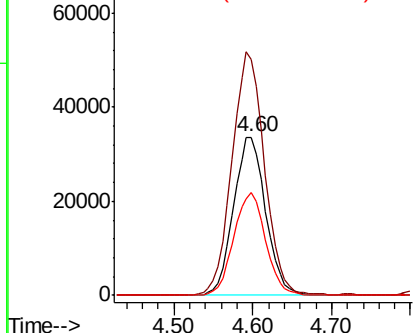
cis-1,2-Dichloroethene
 Concen: 48.461 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MS

Tot Ion: 96 Resp: 95461
 Ion Ratio Lower Upper
 96 100
 61 155.7 0.0 324.0
 98 64.4 0.0 130.4



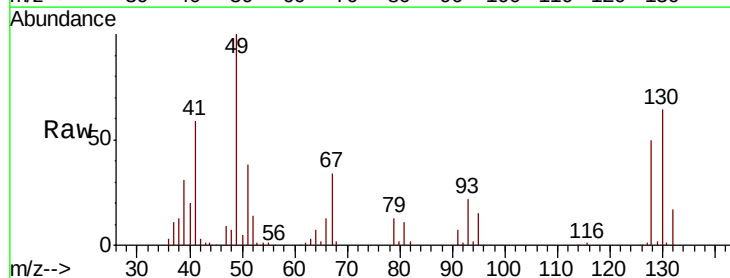
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



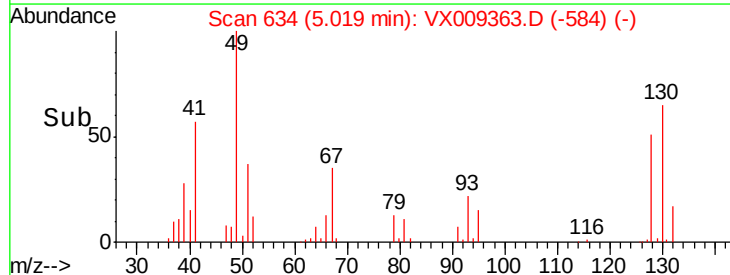
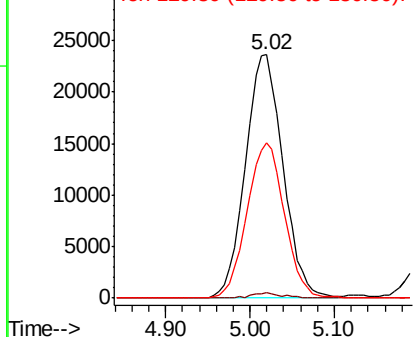
#28

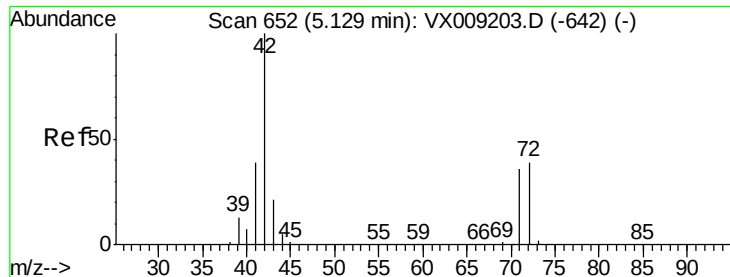
Bromochloromethane
 Concen: 50.695 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.01 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

Tgt Ion: 49 Resp: 71742
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 3.8
 130 63.6 51.2 76.8



Abundance Ion 48.90 (48.60 to 49.60): VX0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 265.076 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MS

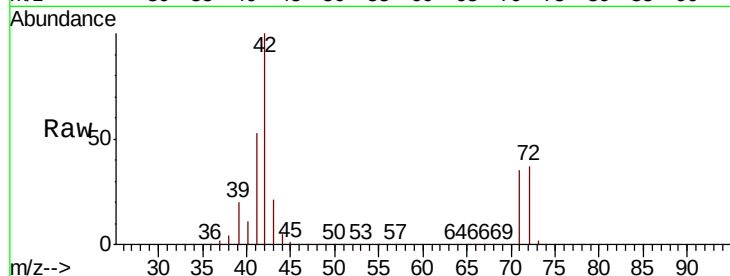
Tot Ion: 42 Resp: 315117

Ion Ratio Lower Upper

42 100

72 37.9 30.4 45.6

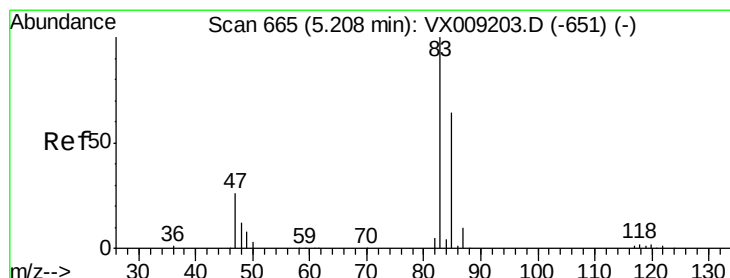
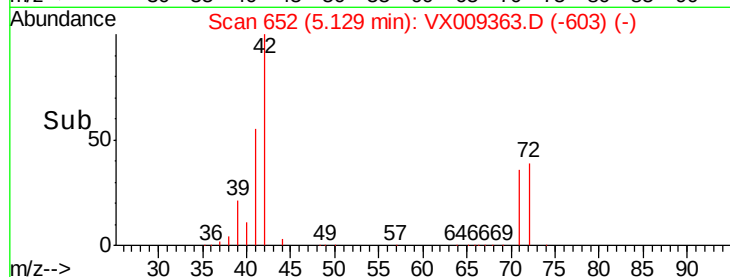
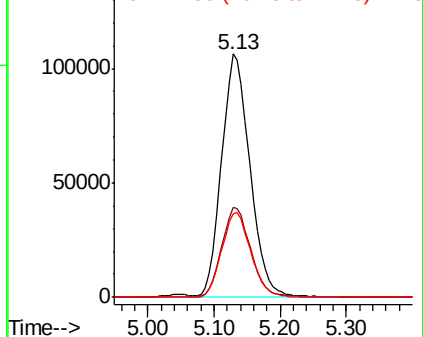
71 35.8 28.6 43.0



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: 49.619 ug/l

RT: 5.21 min Scan# 665

Delta R.T. 0.00 min

Lab File: VX009363.D

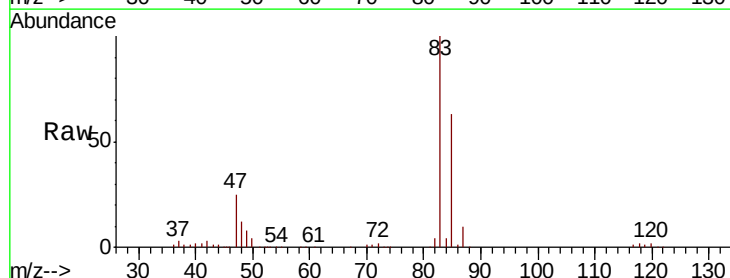
Acq: 06 May 2019 20:10

Tgt Ion: 83 Resp: 157887

Ion Ratio Lower Upper

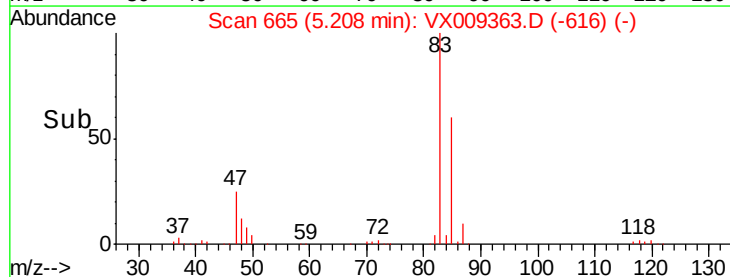
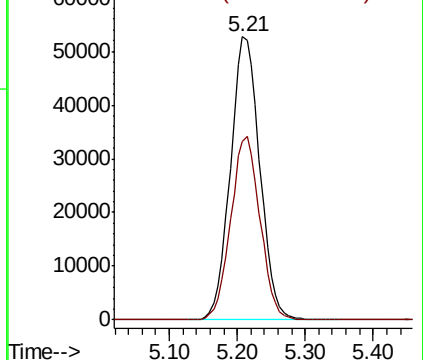
83 100

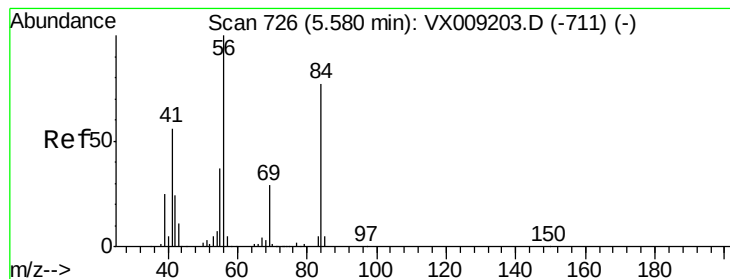
85 63.2 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 46.752 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MS

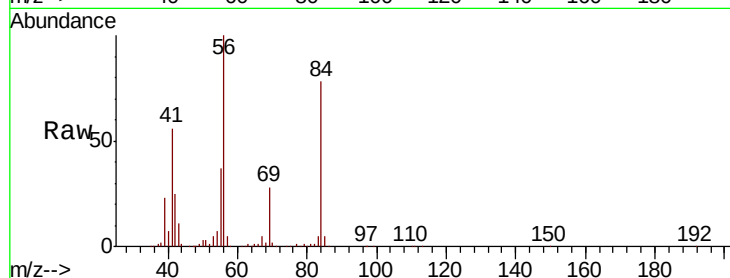
Tot Ion: 56 Resp: 153028

Ion Ratio Lower Upper

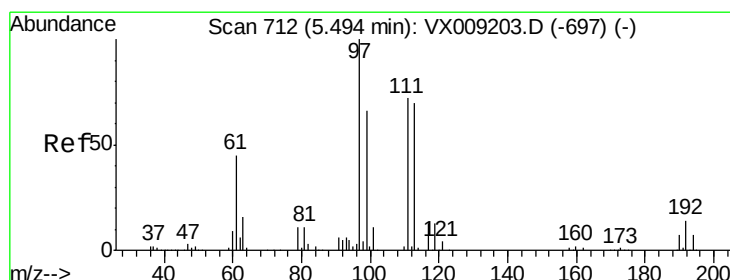
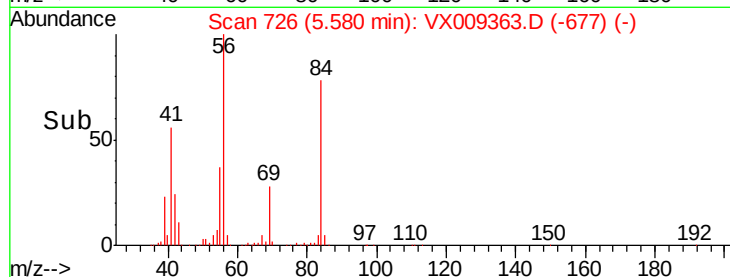
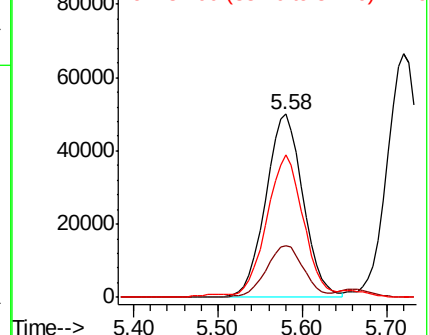
56 100

69 28.3 23.4 35.0

84 77.1 61.9 92.9



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



#32

1,1,1-Trichloroethane

Concen: 48.588 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

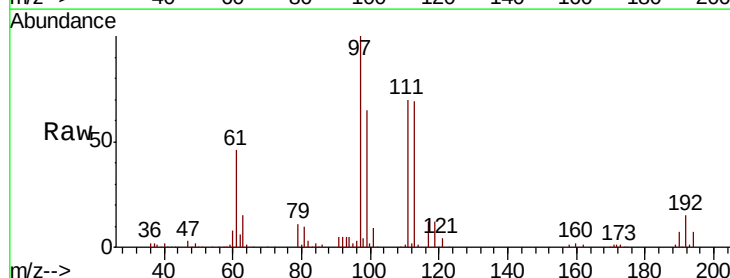
Tgt Ion: 97 Resp: 128704

Ion Ratio Lower Upper

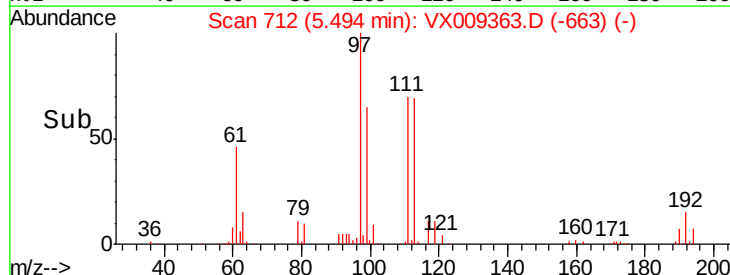
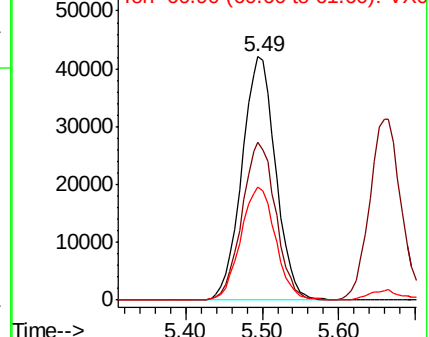
97 100

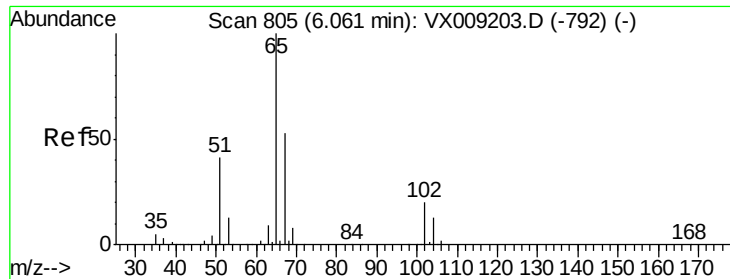
99 65.1 51.8 77.8

61 48.0 37.8 56.8



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

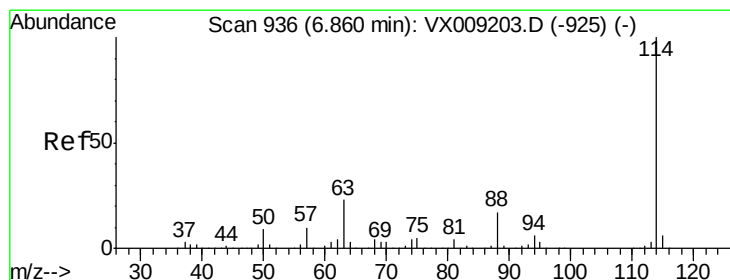
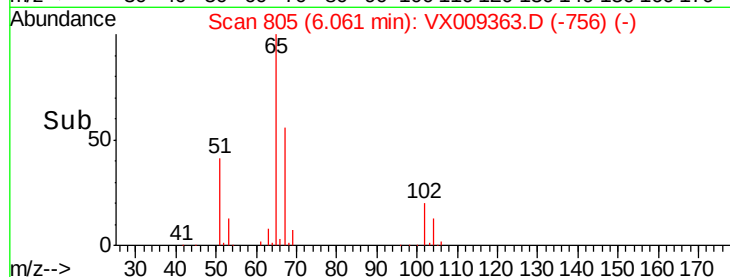
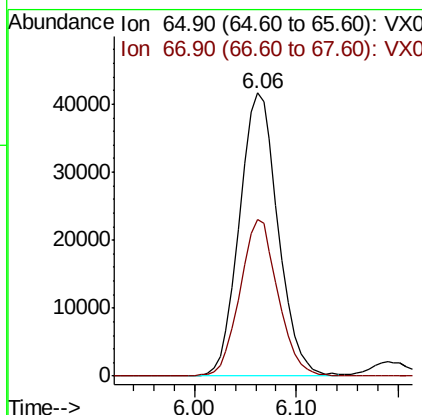
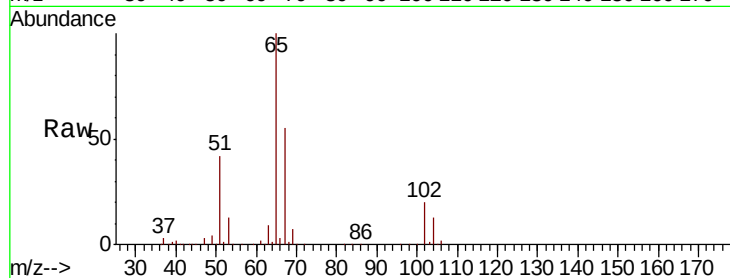




#33
 1,2-Dichloroethane-d4
 Concen: 49.527 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

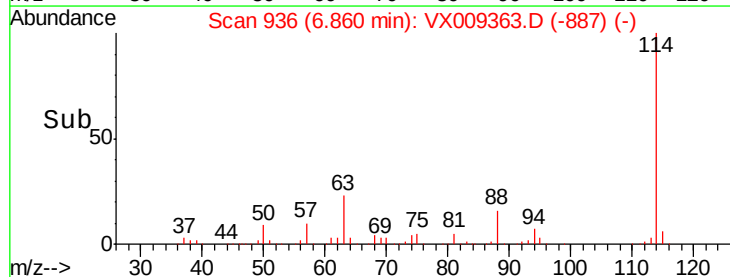
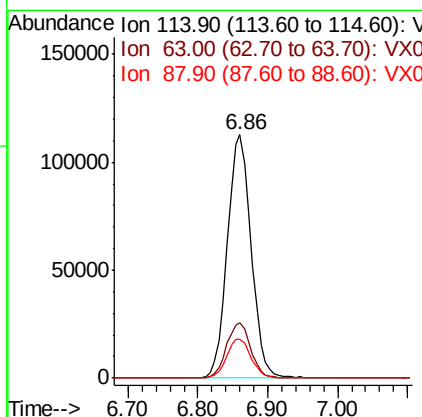
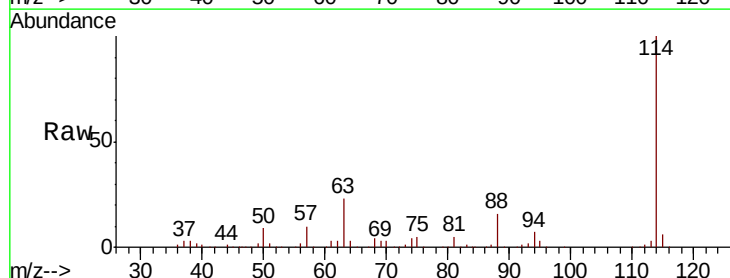
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MS

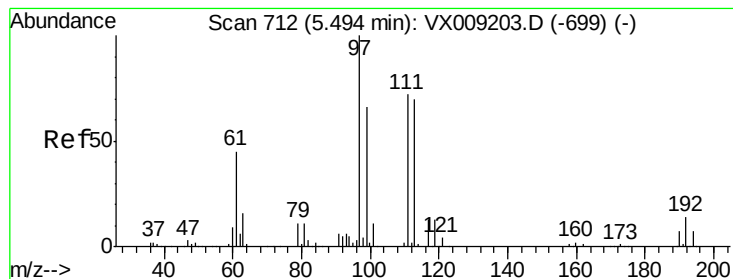
Tot Ion: 65 Resp: 109652
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

Tgt Ion: 114 Resp: 266385
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 45.6
 88 16.1 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.109 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MS

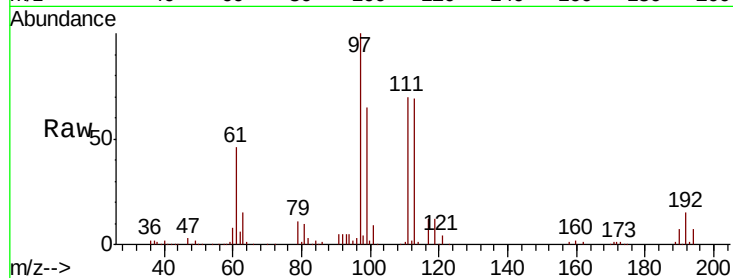
Tot Ion:113 Resp: 82238

Ion Ratio Lower Upper

113 100

111 103.4 82.8 124.2

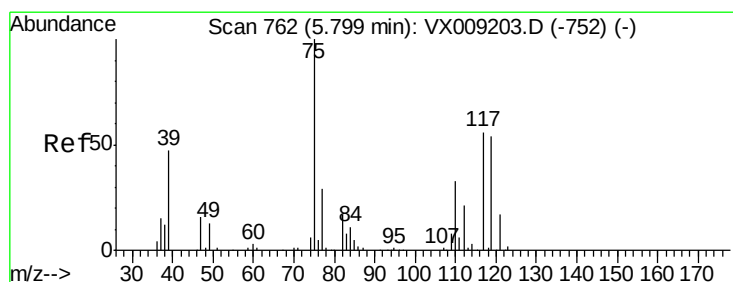
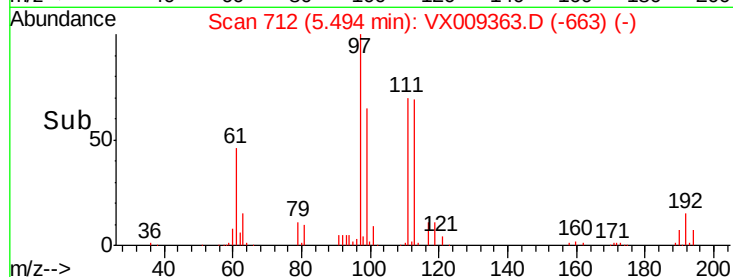
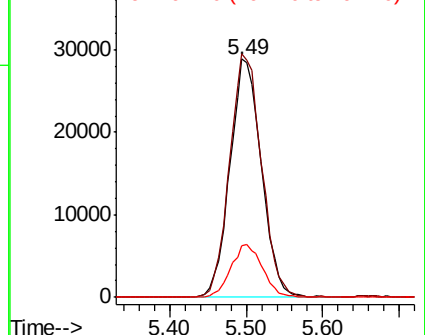
192 22.1 17.0 25.6



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: 46.491 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

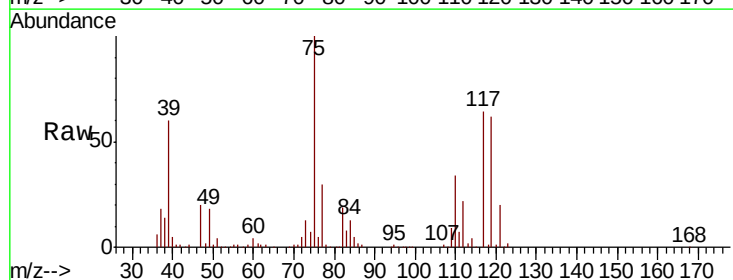
Tgt Ion: 75 Resp: 115092

Ion Ratio Lower Upper

75 100

110 33.7 16.9 50.6

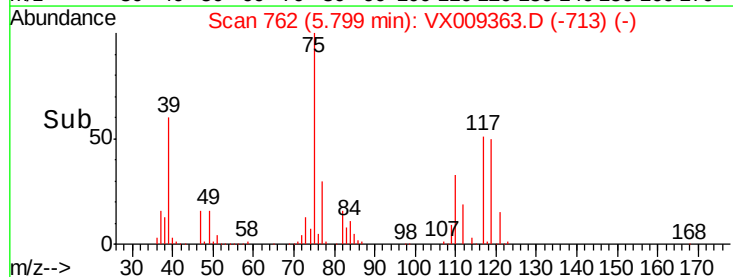
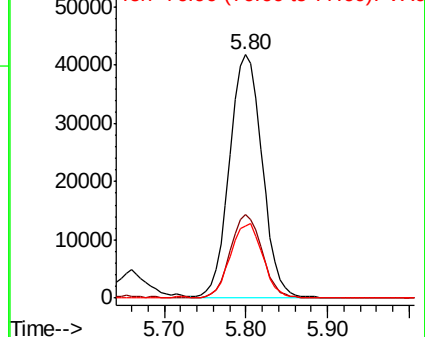
77 30.2 24.8 37.2

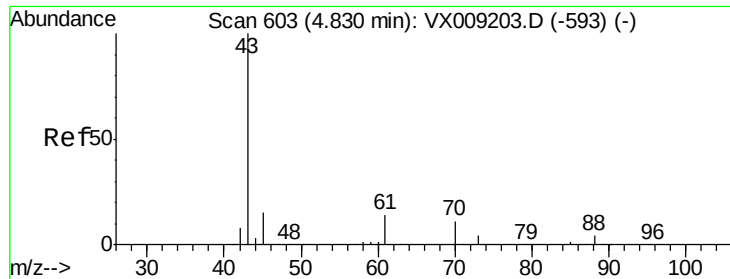


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

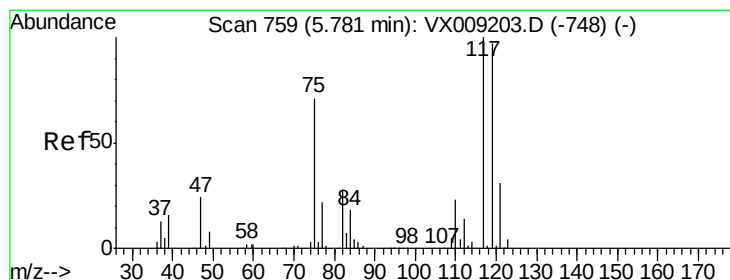
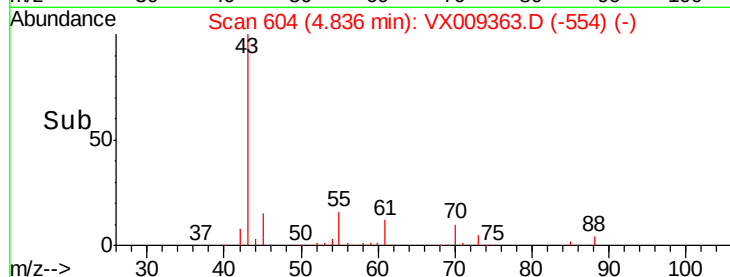
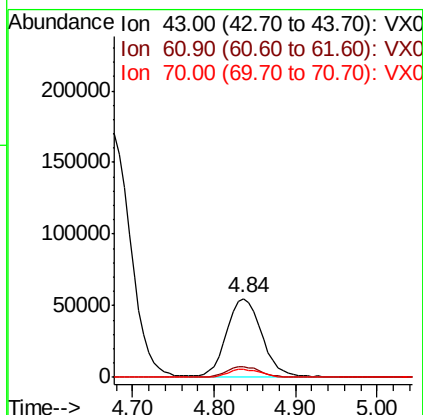
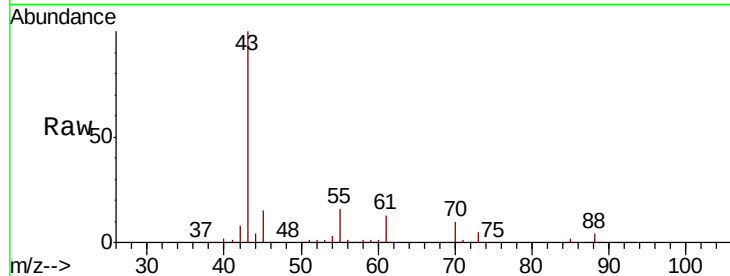




#37
Ethyl Acetate
Concen: 47.407 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

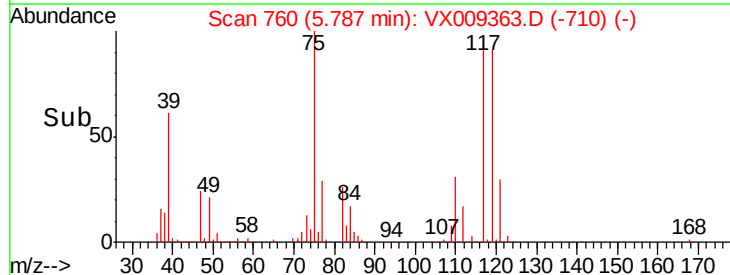
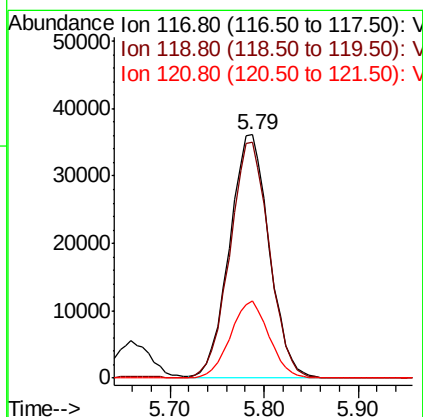
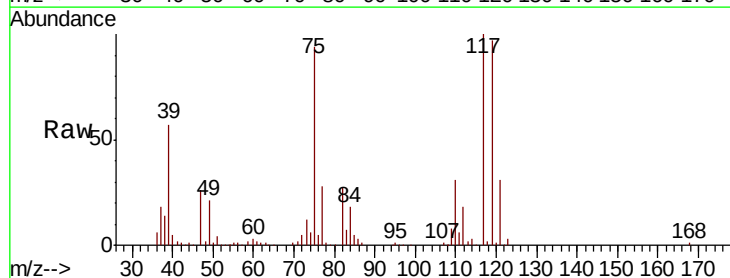
Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MS

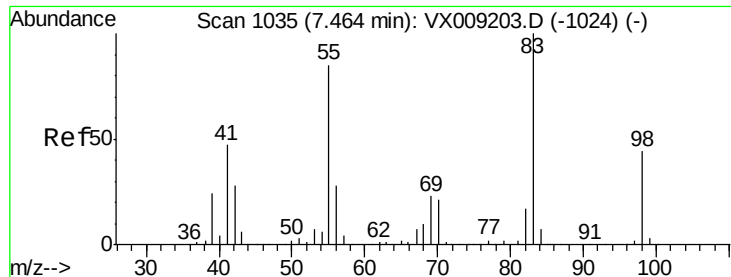
Tot Ion: 43 Resp: 163516
Ion Ratio Lower Upper
43 100
61 13.4 10.5 15.7
70 9.8 7.9 11.9



#38
Carbon Tetrachloride
Concen: 47.014 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

Tgt Ion: 117 Resp: 105744
Ion Ratio Lower Upper
117 100
119 97.1 77.5 116.3
121 31.5 24.7 37.1

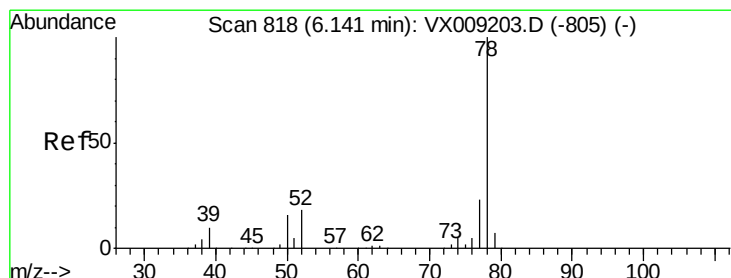
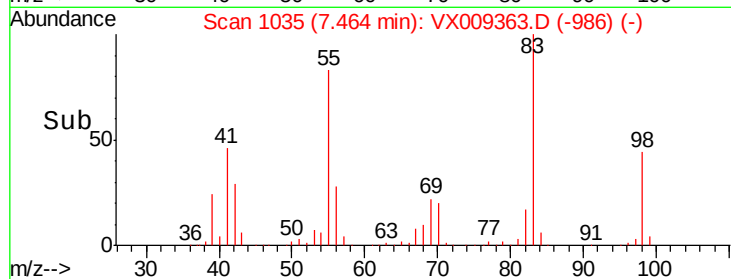
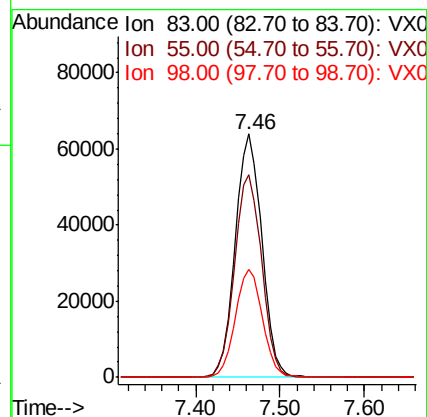
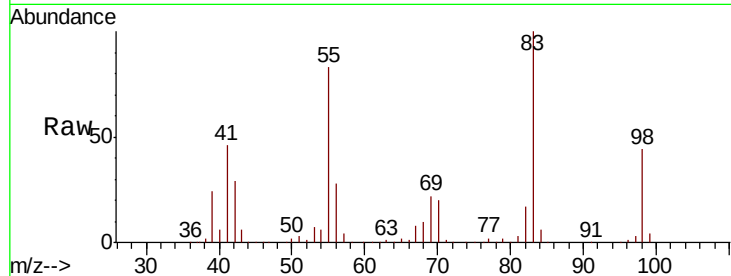




#39
Methylvlcyclohexane
Concen: 44.939 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

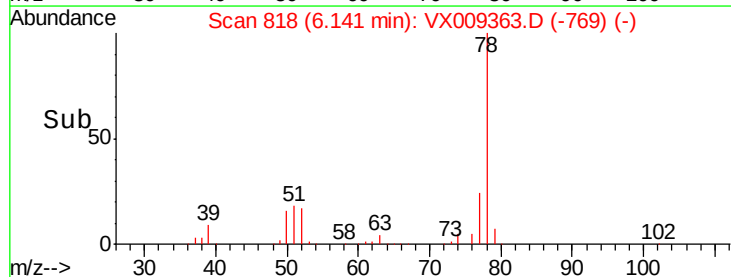
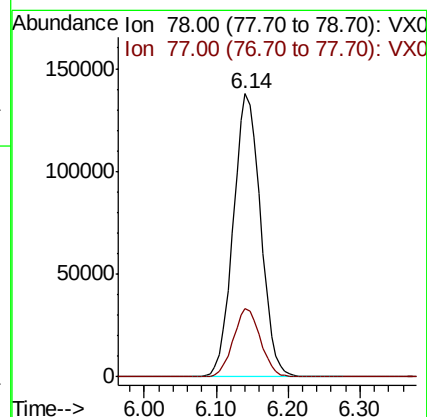
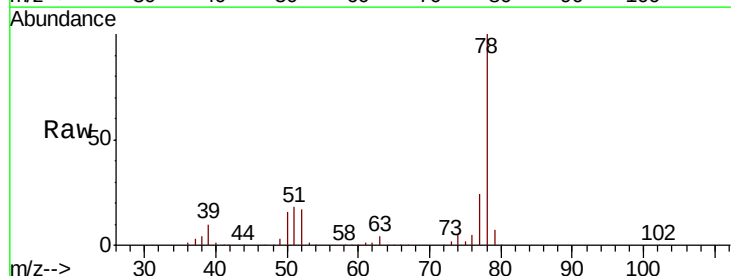
Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MS

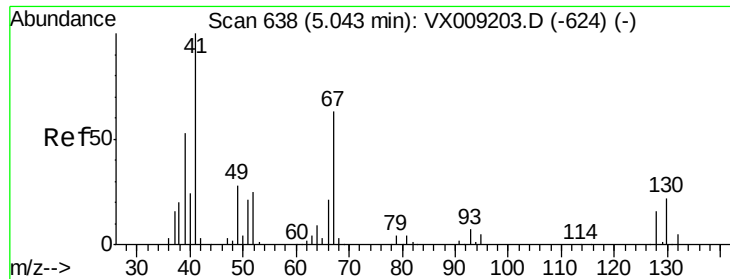
Tot Ion: 83 Resp: 136625
Ion Ratio Lower Upper
83 100
55 83.3 67.7 101.5
98 44.5 35.5 53.3



#40
Benzene
Concen: 47.409 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

Tgt Ion: 78 Resp: 363218
Ion Ratio Lower Upper
78 100
77 24.3 18.8 28.2





#41

Methacrylonitrile

Concen: 48.816 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MS

Tot Ion: 41 Resp: 100228

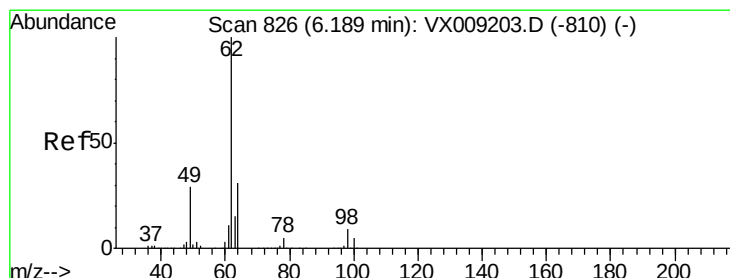
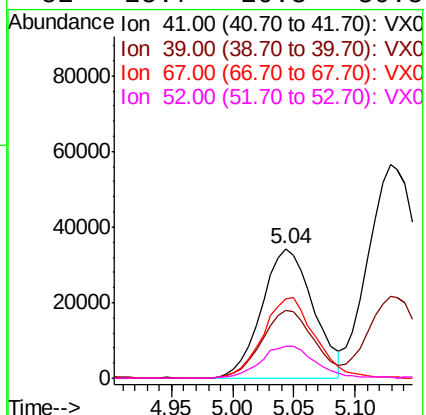
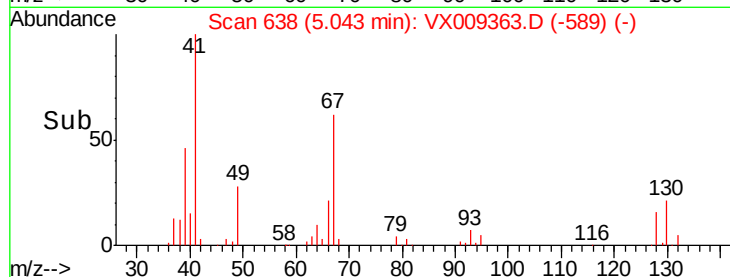
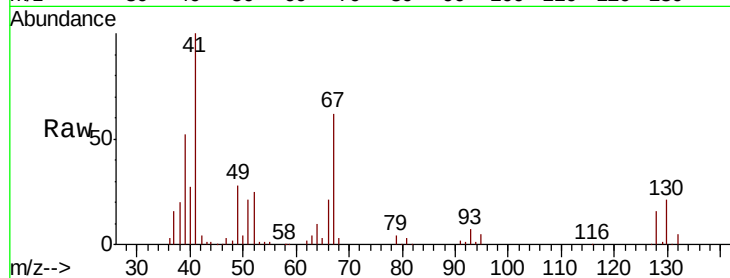
Ion Ratio Lower Upper

41 100

39 53.3 42.0 63.0

67 63.6 49.8 74.8

52 25.7 20.3 30.5



#42

1,2-Dichloroethane

Concen: 48.569 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.01 min

Lab File: VX009363.D

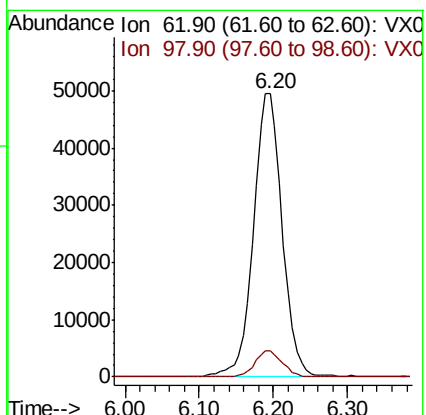
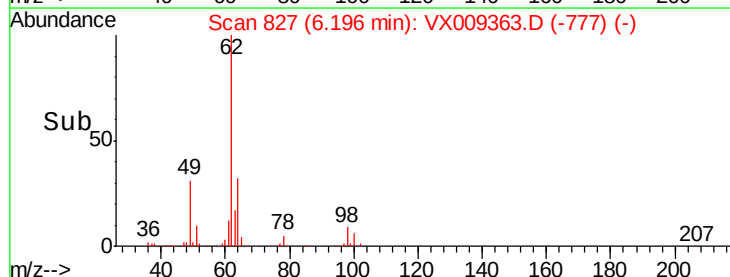
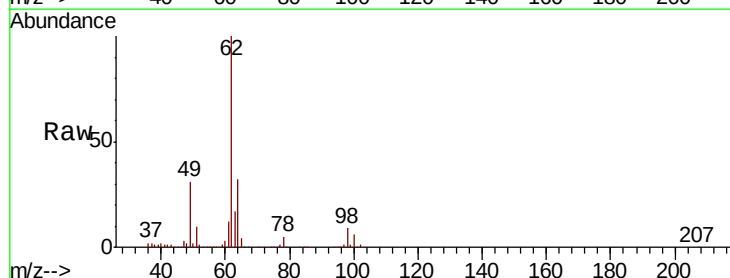
Acq: 06 May 2019 20:10

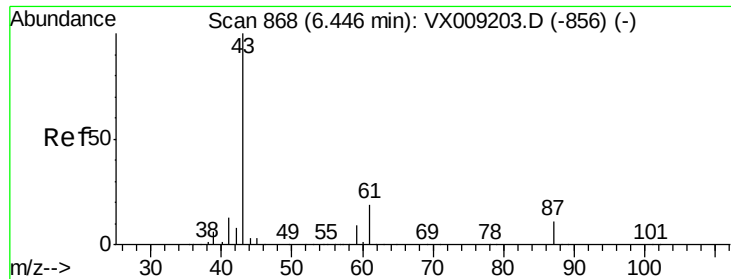
Tgt Ion: 62 Resp: 133480

Ion Ratio Lower Upper

62 100

98 8.8 0.0 18.2





#43

Isopropyl Acetate

Concen: 48.359 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MS

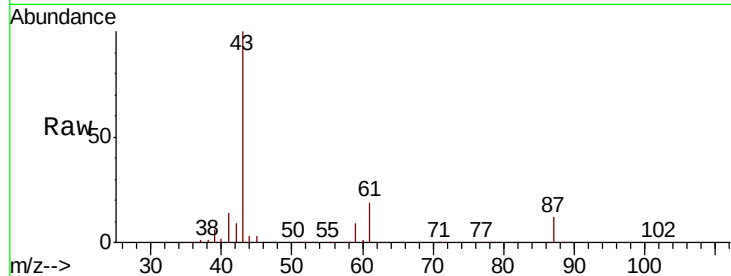
Tot Ion: 43 Resp: 266803

Ion Ratio Lower Upper

43 100

61 19.1 15.1 22.7

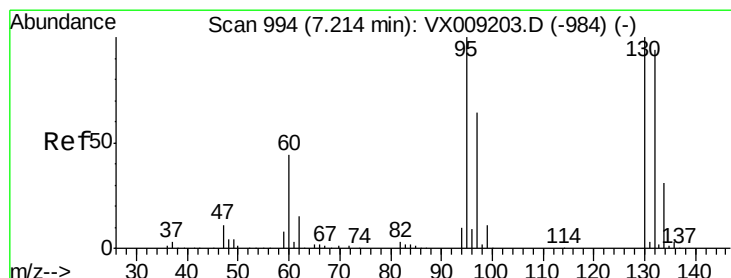
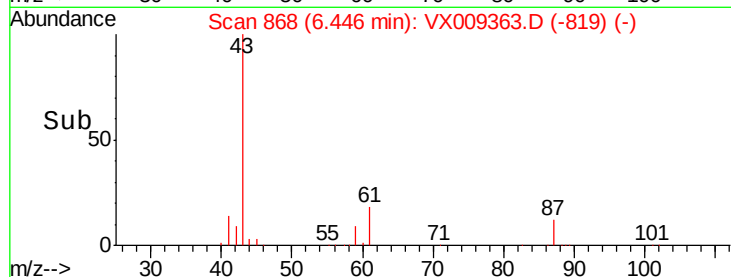
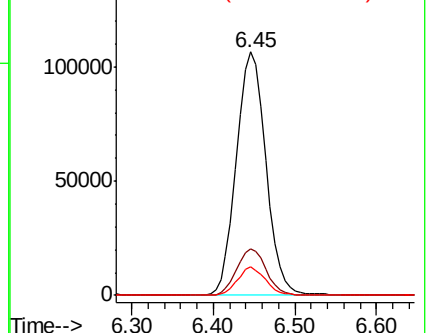
87 11.2 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 45.727 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX009363.D

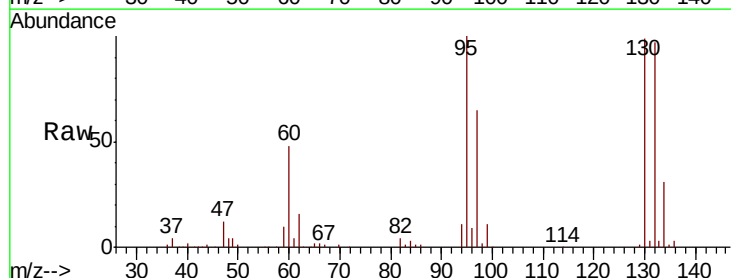
Acq: 06 May 2019 20:10

Tgt Ion:130 Resp: 84694

Ion Ratio Lower Upper

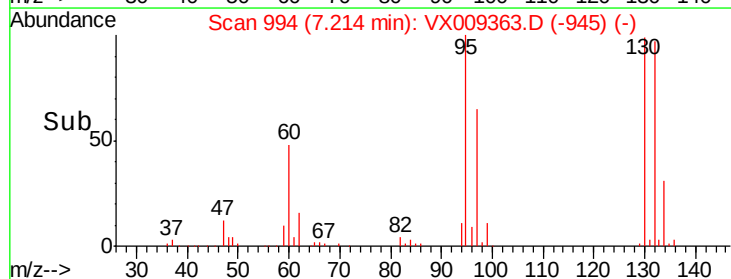
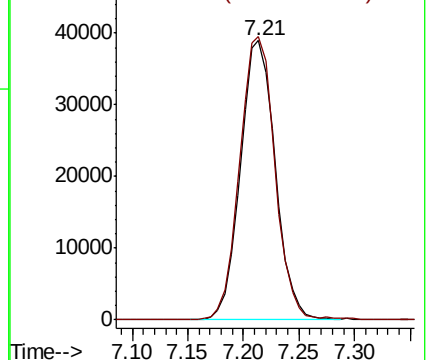
130 100

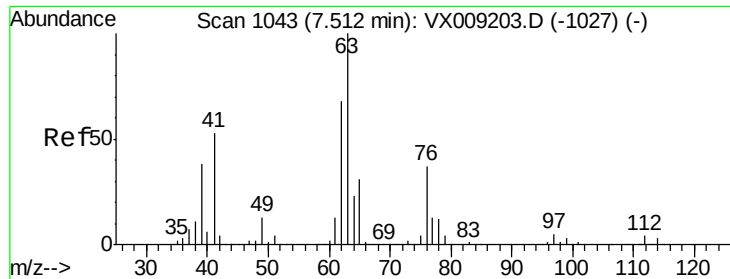
95 101.4 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

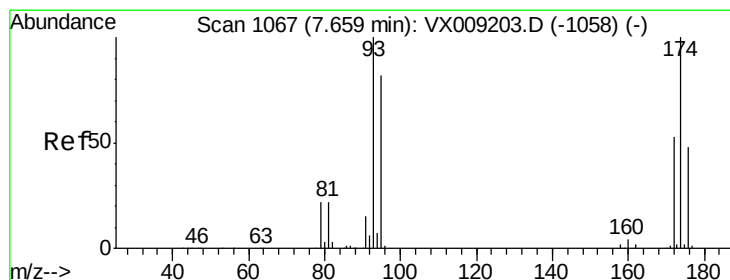
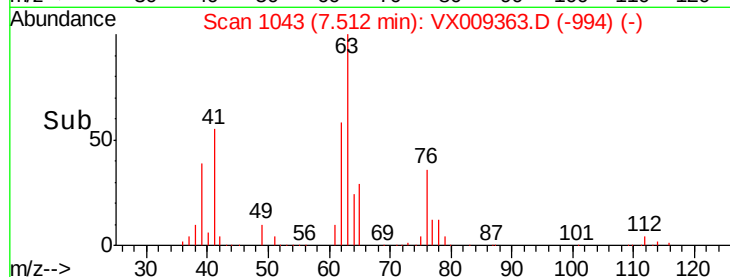
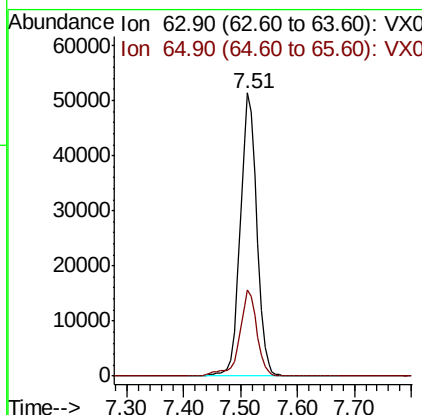
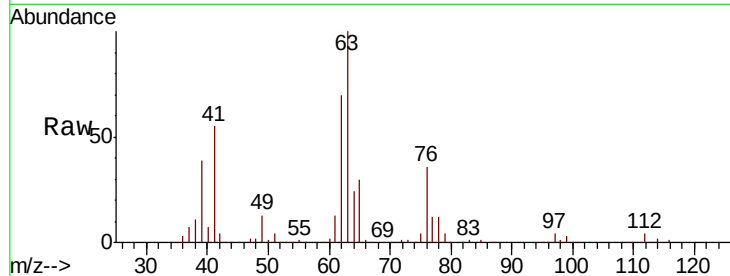




#45
 1,2-Dichloropropane
 Concen: 48.409 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

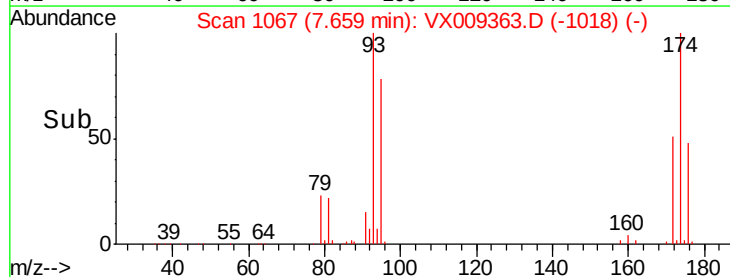
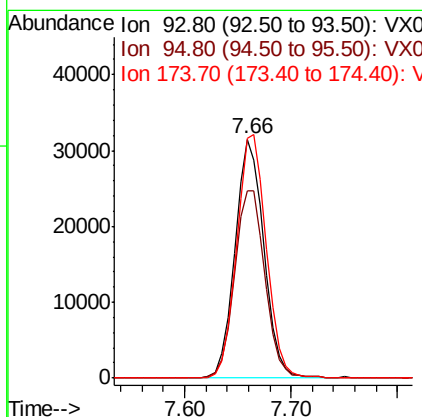
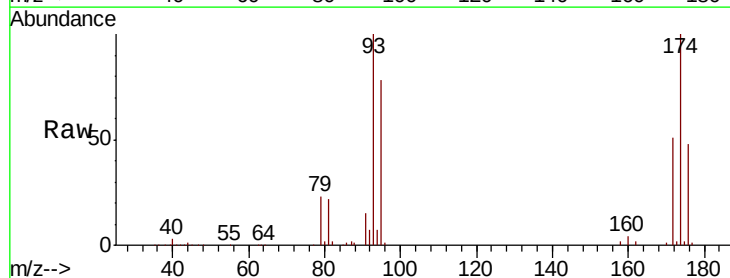
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MS

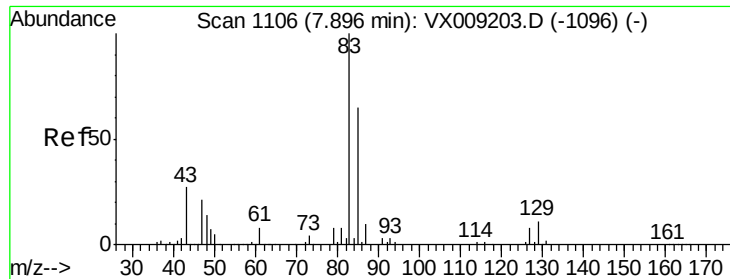
Tot Ion: 63 Resp: 105019
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.0 37.6



#46
 Dibromomethane
 Concen: 47.616 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

Tgt Ion: 93 Resp: 59986
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.5 99.7
 174 104.6 82.1 123.1





#47

Bromodichloromethane

Concen: 48.360 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MS

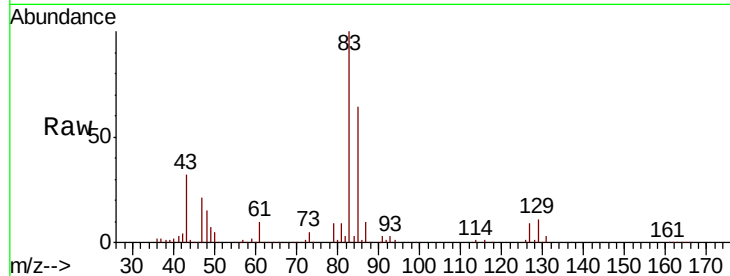
Tot Ion: 83 Resp: 121525

Ion Ratio Lower Upper

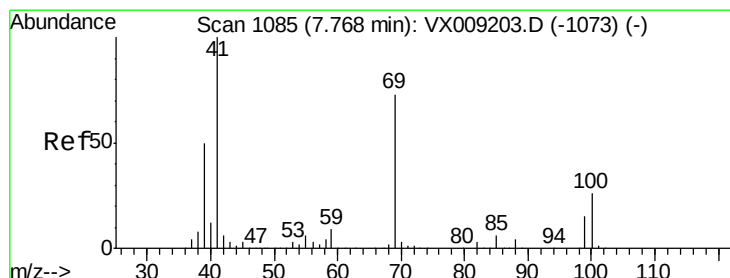
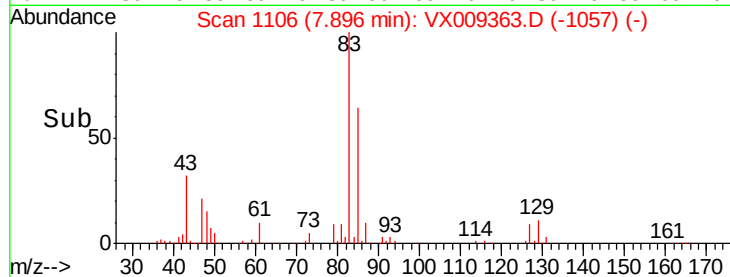
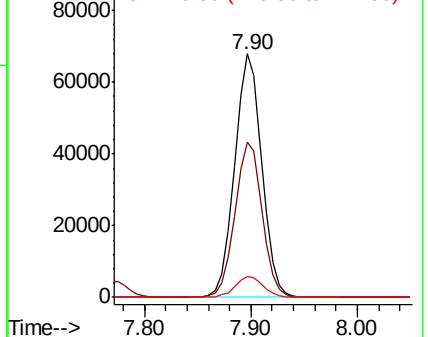
83 100

85 63.6 52.4 78.6

127 8.6 6.6 10.0



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: 51.095 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

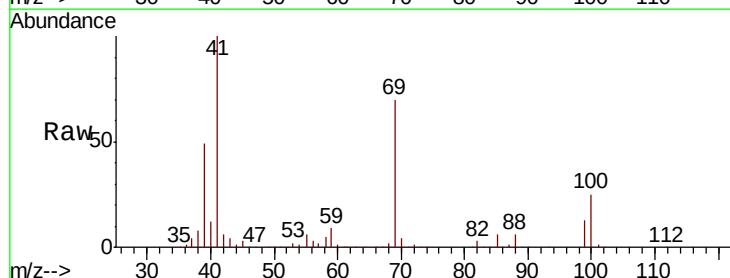
Tgt Ion: 41 Resp: 139856

Ion Ratio Lower Upper

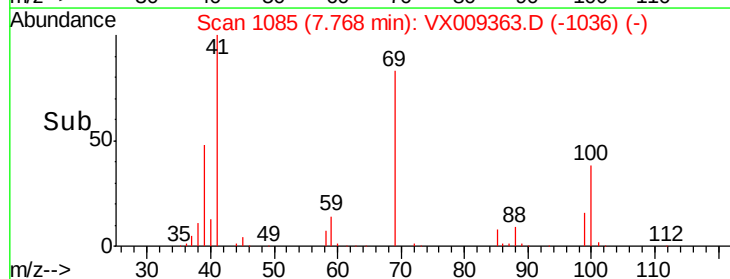
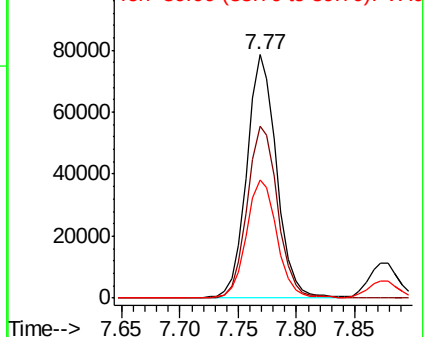
41 100

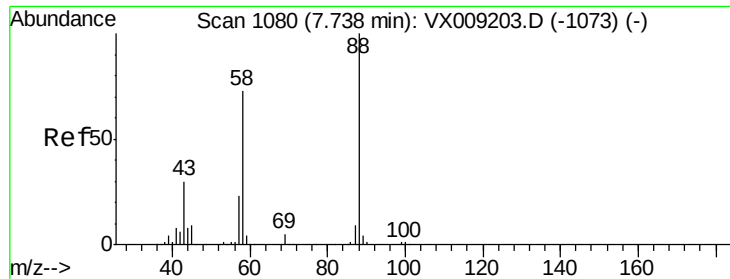
69 72.9 59.1 88.7

39 49.7 40.4 60.6



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

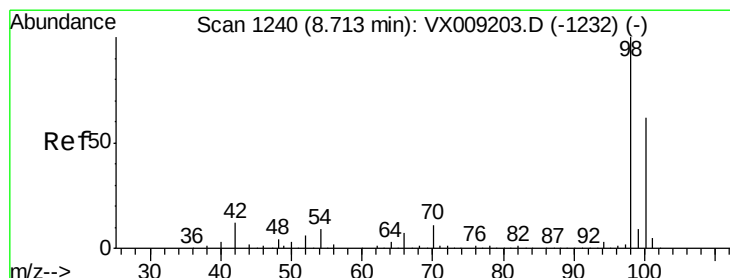
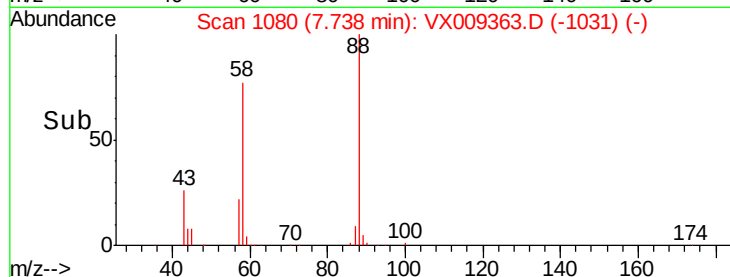
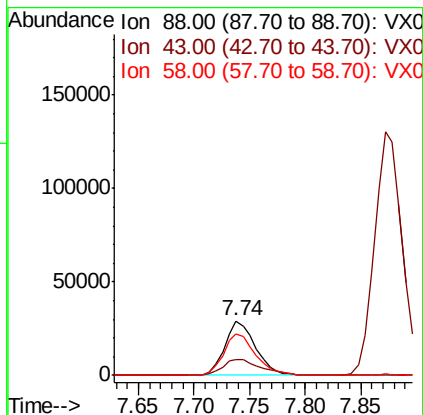
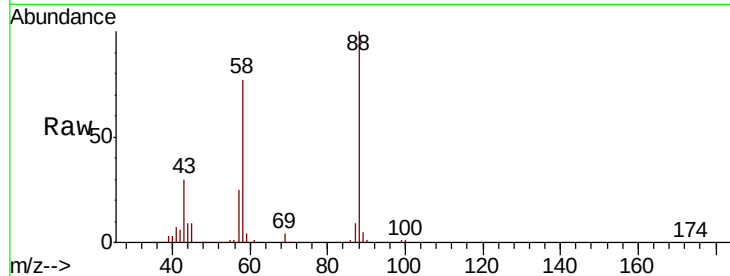




#49
1,4-Dioxane
Concen: 1008.290 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

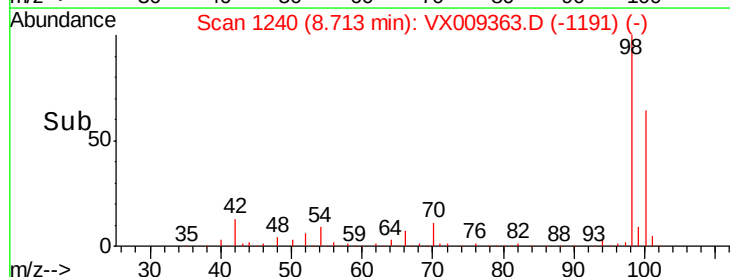
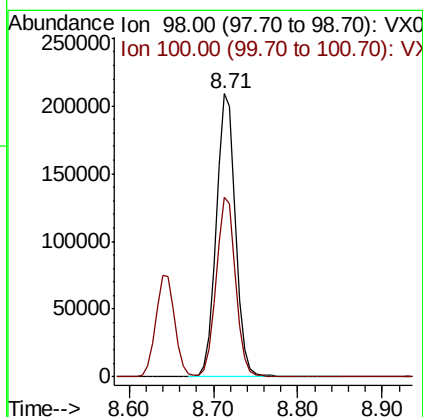
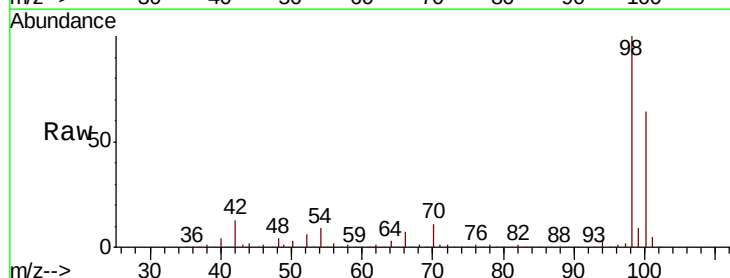
Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MS

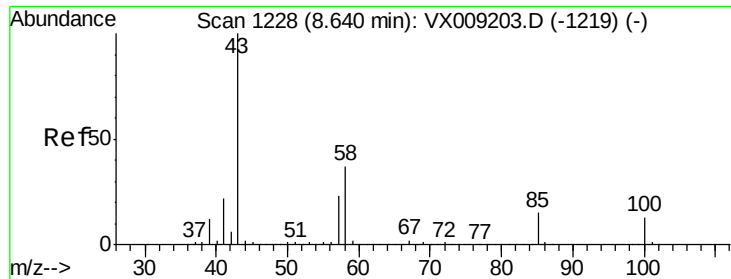
Tot Ion: 88 Resp: 55970
Ion Ratio Lower Upper
88 100
43 35.8 28.6 42.8
58 79.2 61.7 92.5



#50
Toluene-d8
Concen: 49.023 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

Tgt Ion: 98 Resp: 331433
Ion Ratio Lower Upper
98 100
100 63.8 51.2 76.8

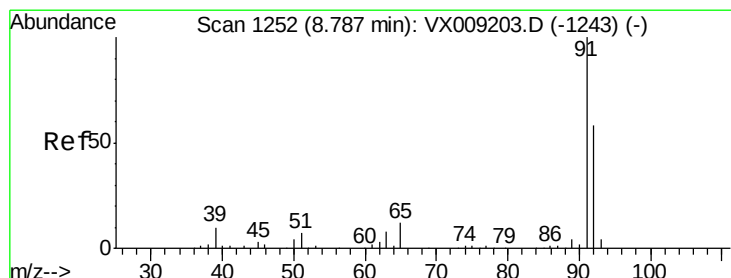
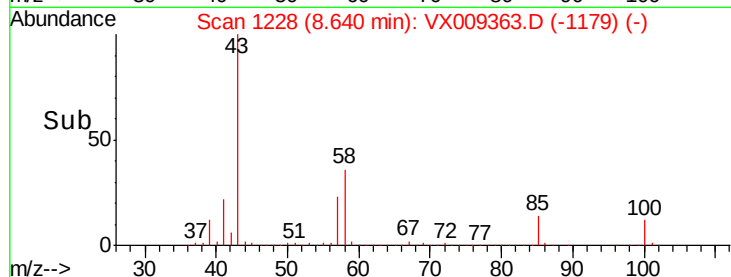
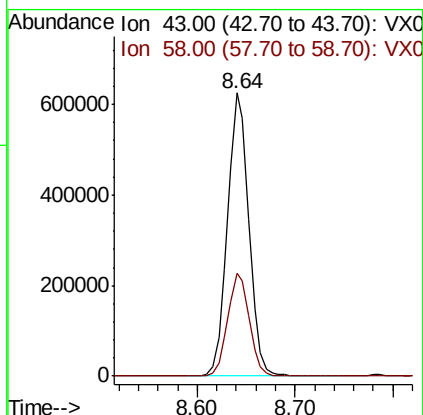
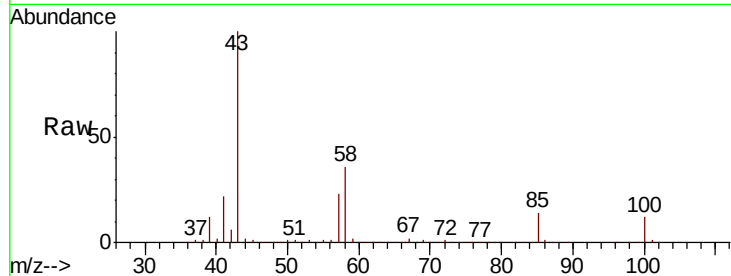




#51
4-Methyl-2-Pentanone
Concen: 262.585 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

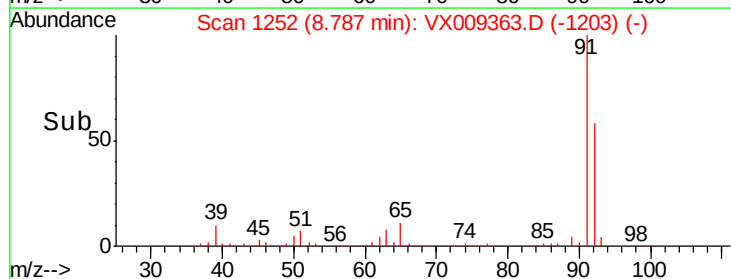
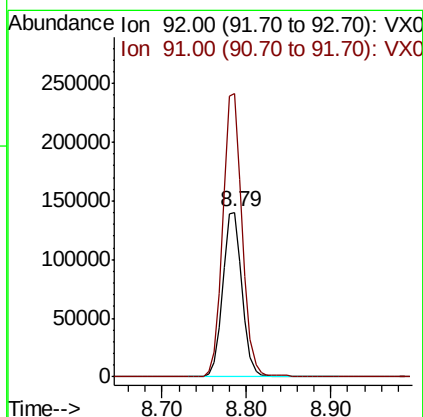
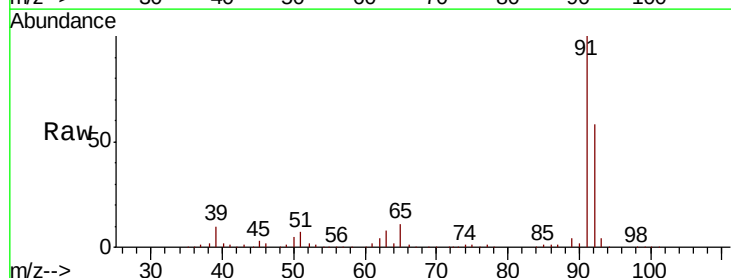
Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MS

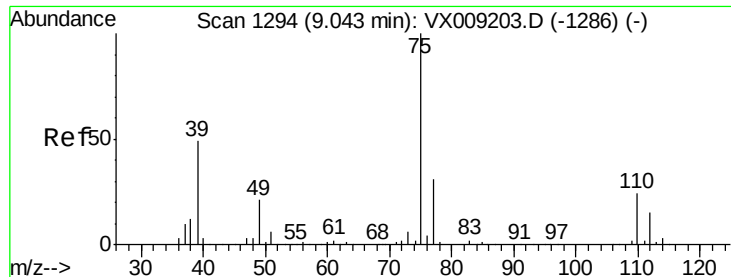
Tot Ion: 43 Resp: 946914
Ion Ratio Lower Upper
43 100
58 36.7 29.5 44.3



#52
Toluene
Concen: 47.911 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

Tgt Ion: 92 Resp: 223127
Ion Ratio Lower Upper
92 100
91 172.0 138.8 208.2

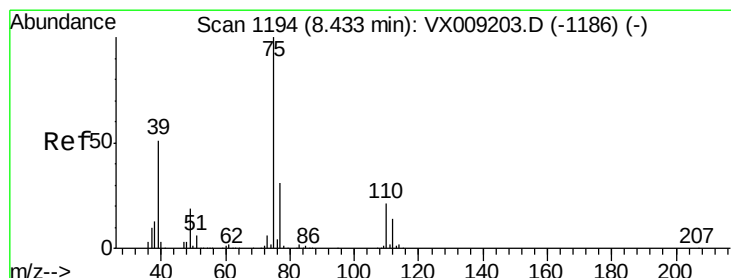
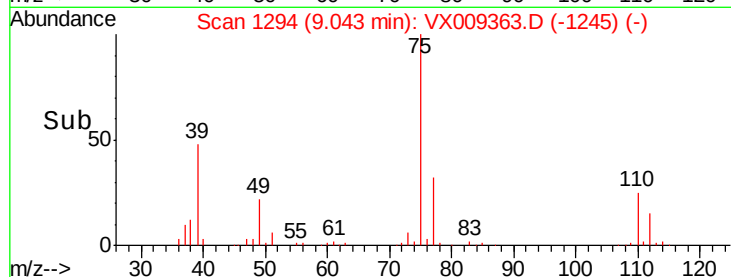
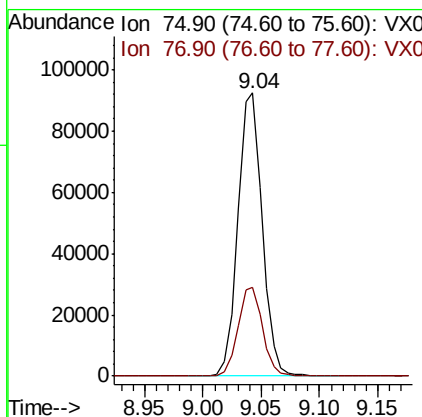
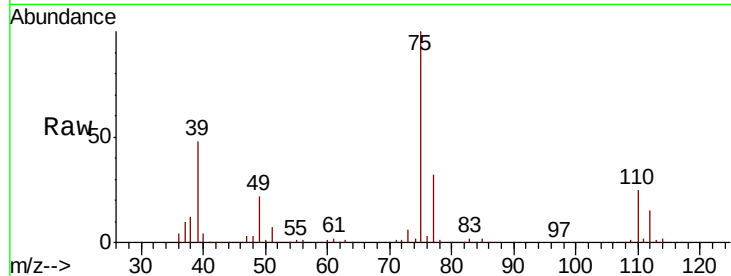




#53
 t-1,3-Dichloropropene
 Concen: 47.564 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

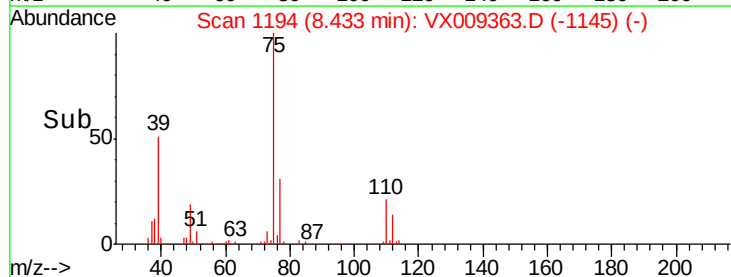
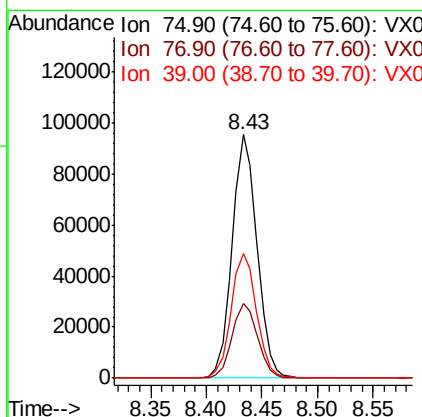
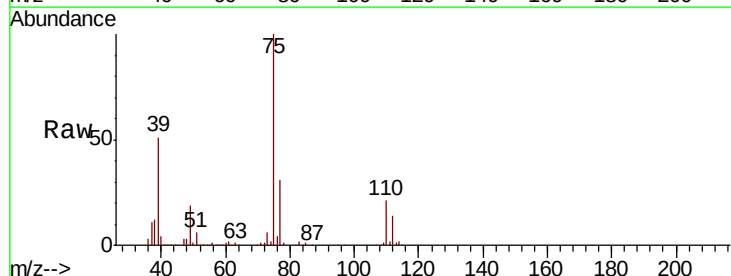
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MS

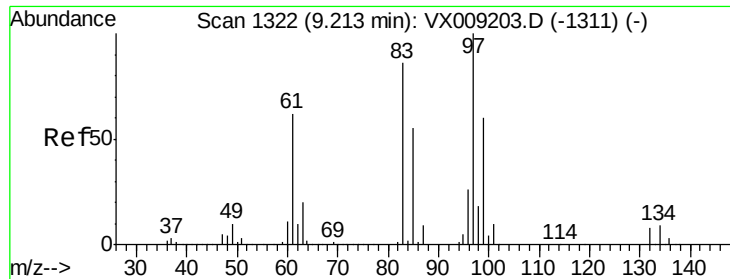
Tot Ion: 75 Resp: 134947
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.0 37.6



#54
 cis-1,3-Dichloropropene
 Concen: 47.054 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

Tgt Ion: 75 Resp: 147762
 Ion Ratio Lower Upper
 75 100
 77 30.4 24.6 36.8
 39 51.0 40.6 60.8

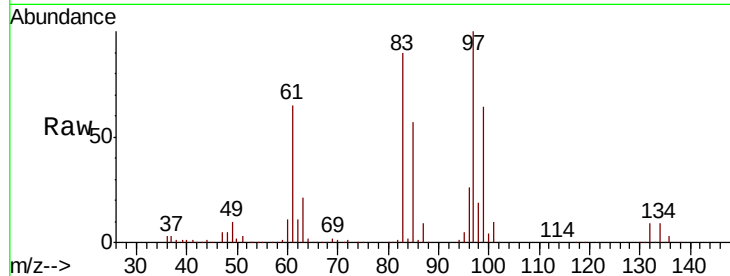




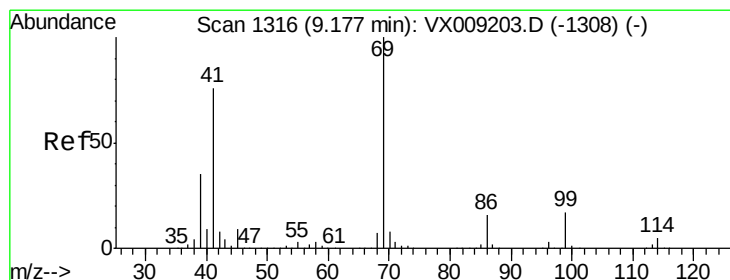
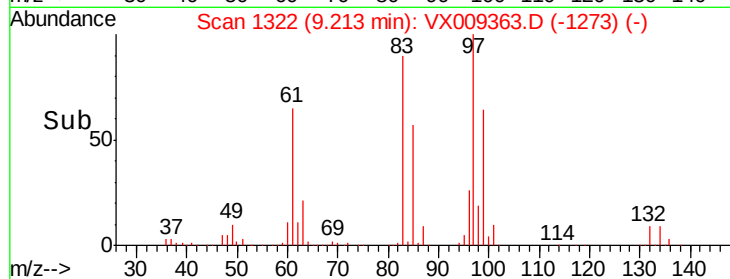
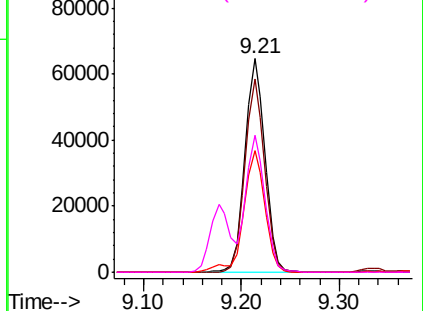
#55
 1,1,2-Trichloroethane
 Concen: 48.788 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MS

Tot Ion:	97	Resp:	92696
Ion	Ratio	Lower	Upper
97	100		
83	90.4	68.9	103.3
85	57.0	43.8	65.6
99	64.0	48.2	72.2

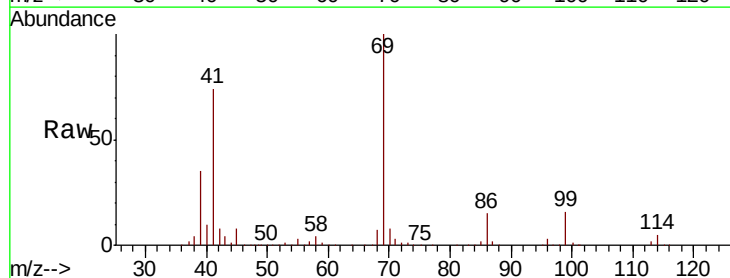


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

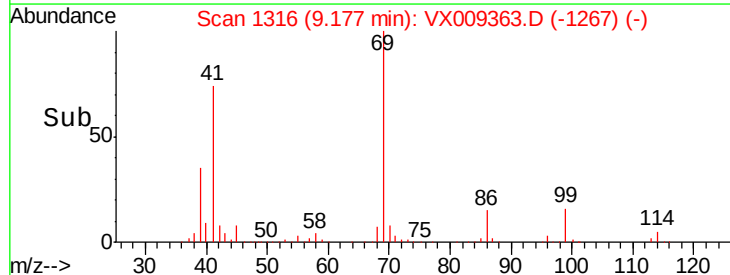
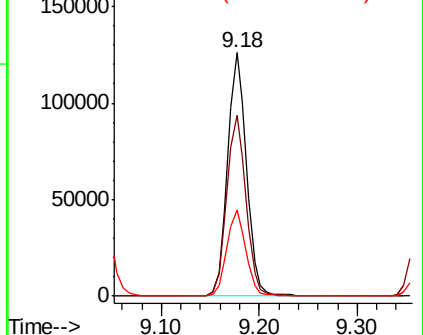


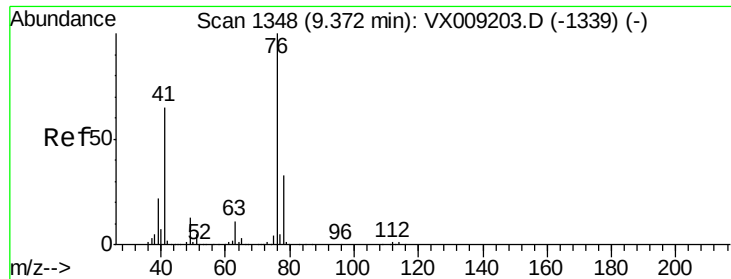
#56
 Ethyl methacrylate
 Concen: 50.041 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

Tgt Ion:	69	Resp:	169720
Ion	Ratio	Lower	Upper
69	100		
41	75.5	60.6	90.8
39	35.6	28.2	42.4



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

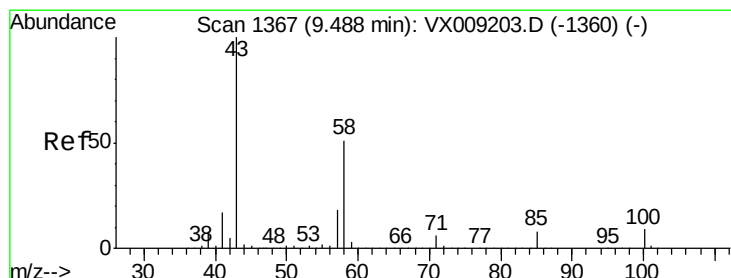
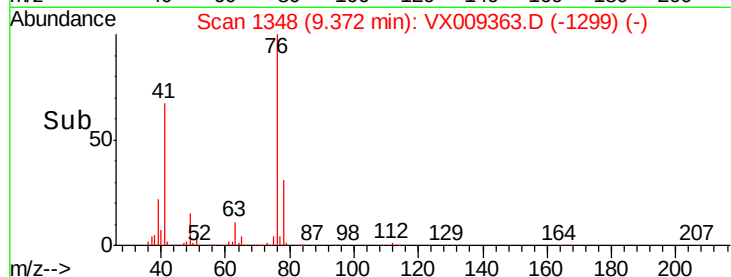
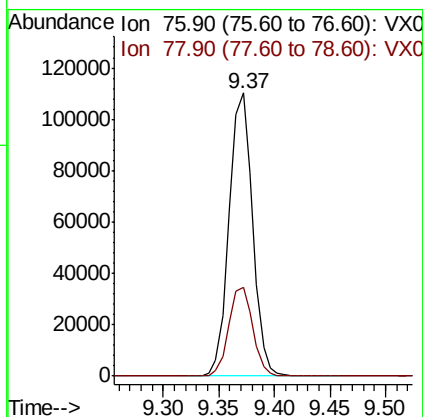
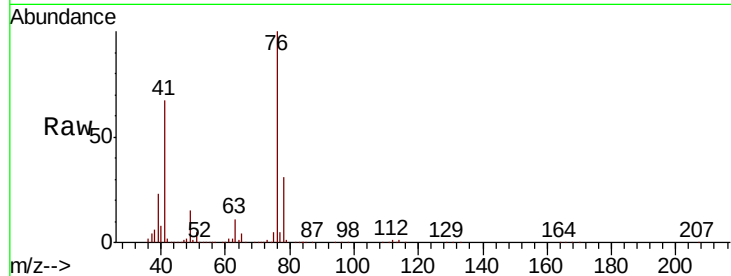




#57
 1,3-Dichloropropane
 Concen: 48.224 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

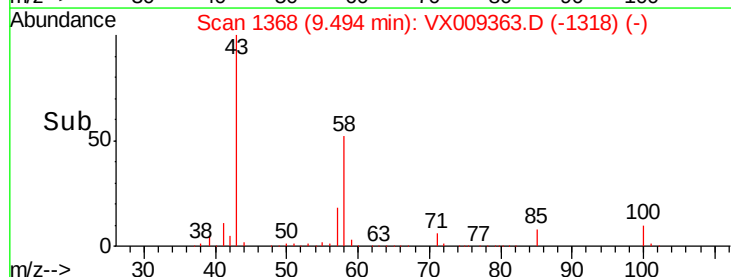
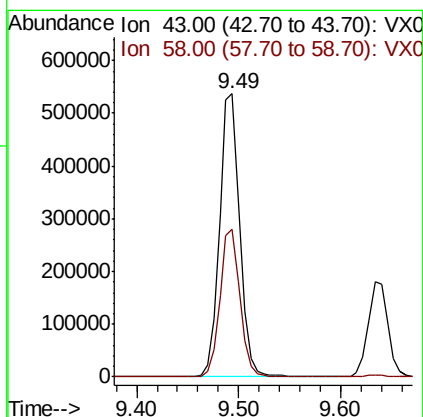
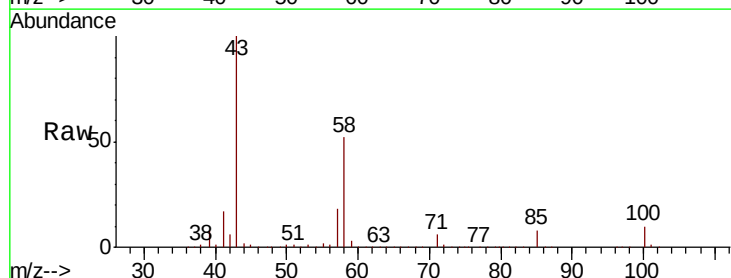
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MS

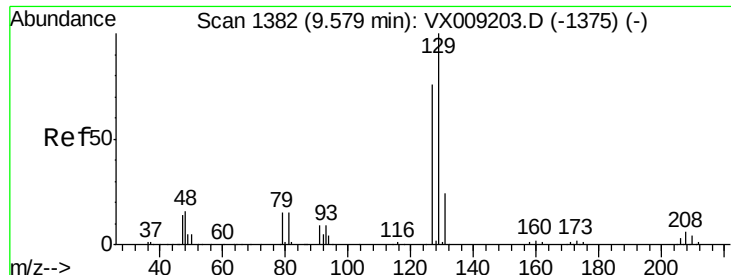
Tot Ion: 76 Resp: 161237
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.5 38.3



#59
 2-Hexanone
 Concen: 262.376 ug/l
 RT: 9.49 min Scan# 1368
 Delta R.T. 0.01 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

Tgt Ion: 43 Resp: 743101
 Ion Ratio Lower Upper
 43 100
 58 51.9 25.9 77.7





#60

Dibromochloromethane

Concen: 49.969 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

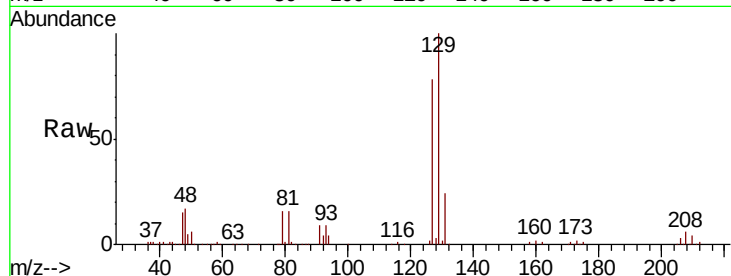
MW-4-20190502MS

Tot Ion:129 Resp: 92728

Ion Ratio Lower Upper

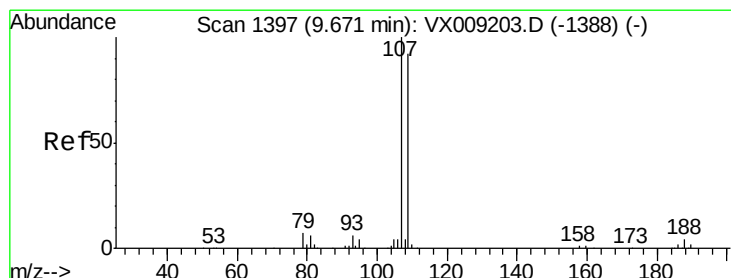
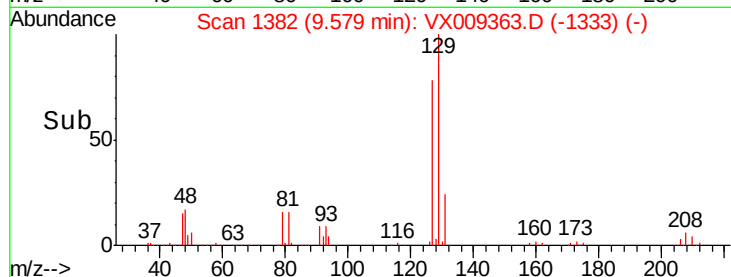
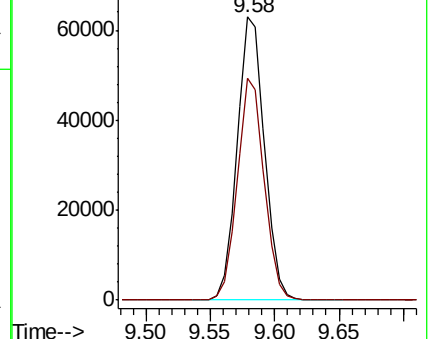
129 100

127 77.0 38.4 115.1



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 48.771 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009363.D

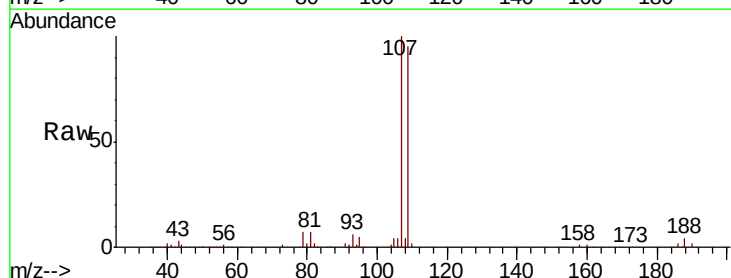
Acq: 06 May 2019 20:10

Tgt Ion:107 Resp: 93538

Ion Ratio Lower Upper

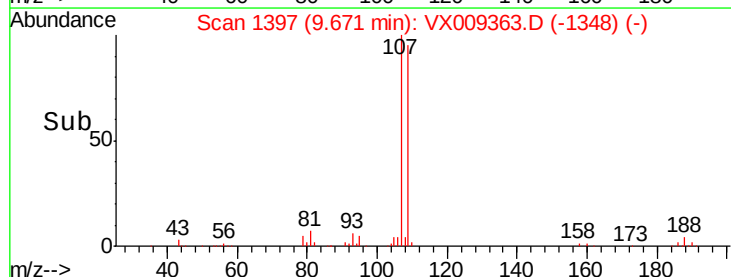
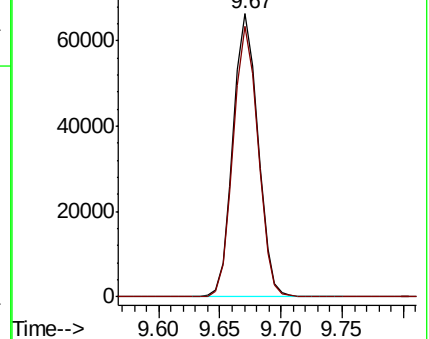
107 100

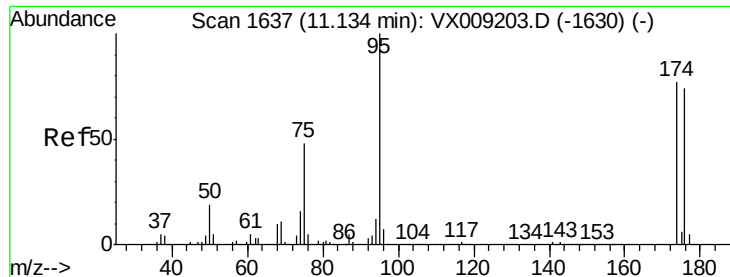
109 95.1 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 48.968 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MS

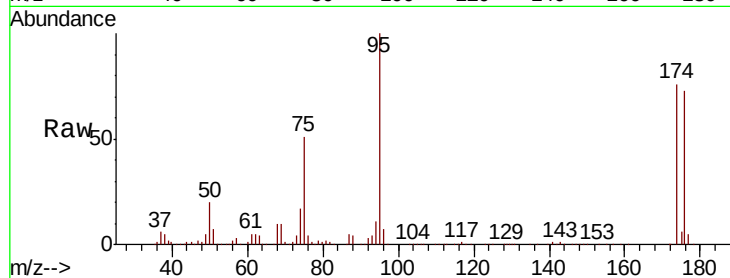
Tot Ion: 95 Resp: 120295

Ion Ratio Lower Upper

95 100

174 82.2 0.0 161.6

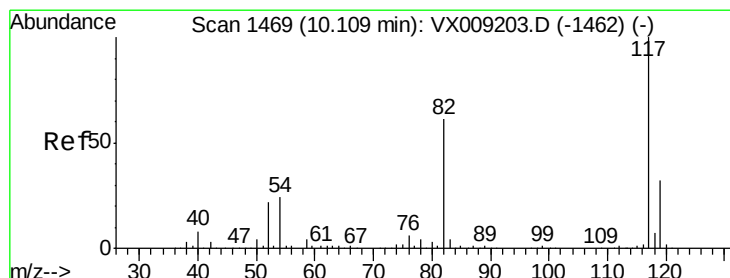
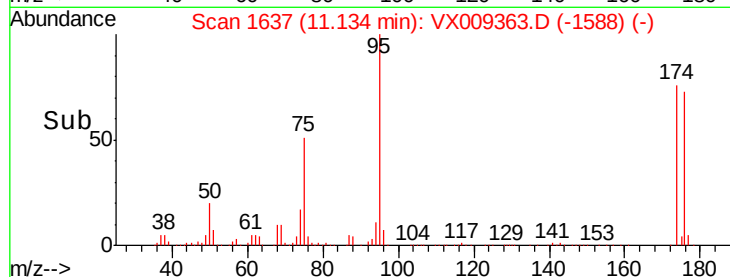
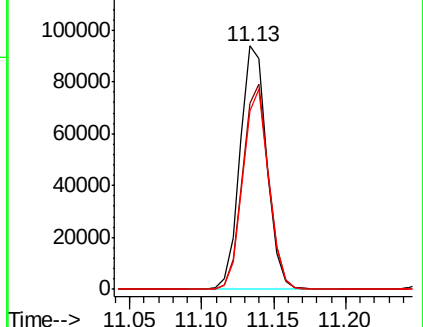
176 79.6 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009363.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009363.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009363.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

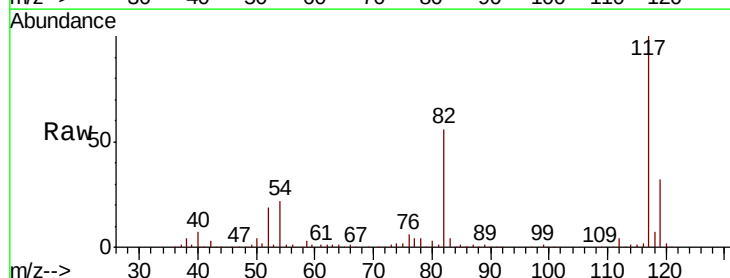
Tgt Ion: 117 Resp: 244286

Ion Ratio Lower Upper

117 100

82 55.8 48.8 73.2

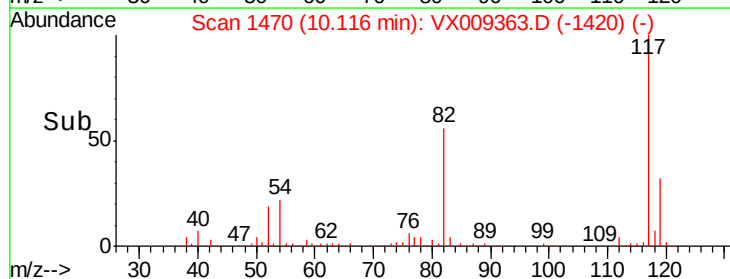
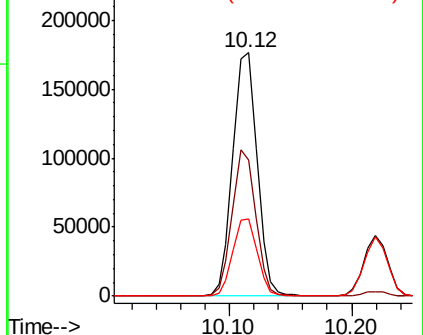
119 32.0 25.8 38.6

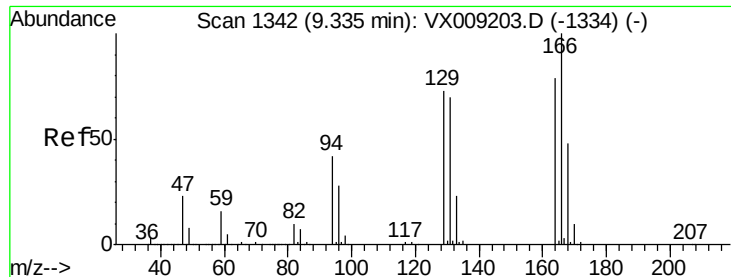


Abundance Ion 116.90 (116.60 to 117.60): VX009363.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009363.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009363.D (-1420) (-)

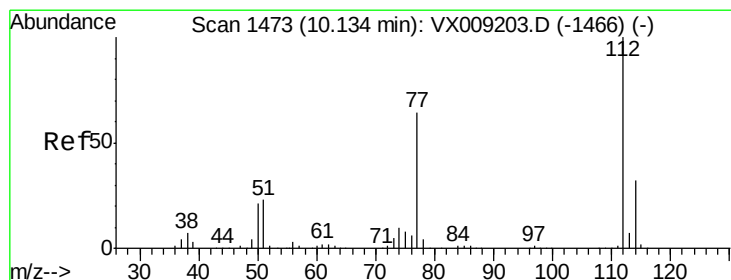
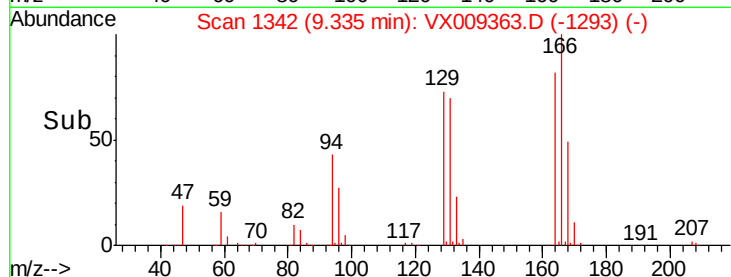
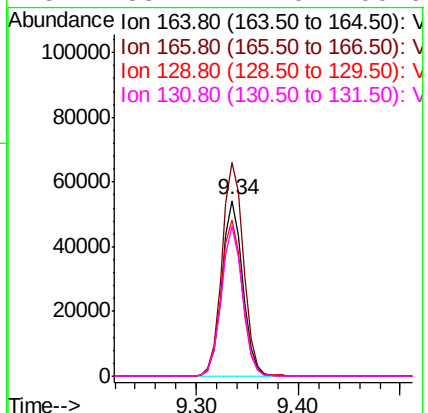
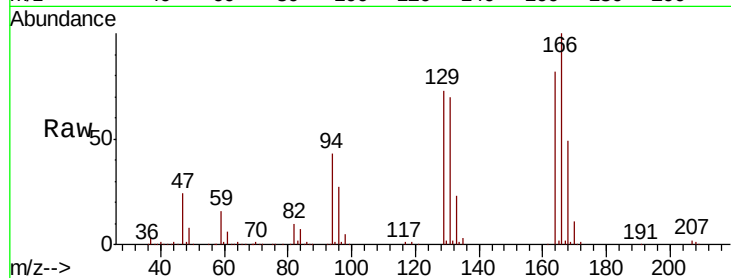




#64
Tetrachloroethene
Concen: 46.097 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

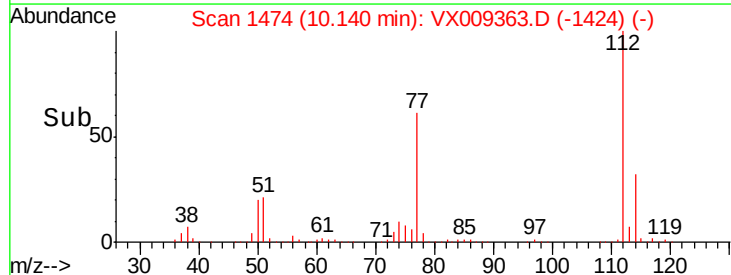
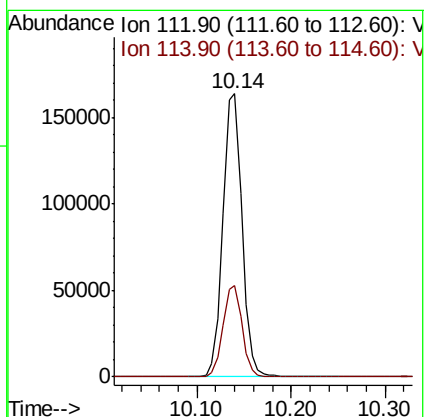
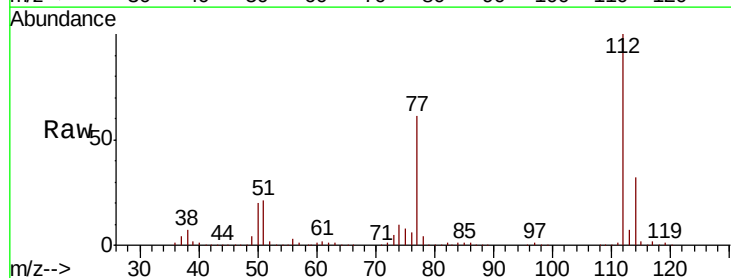
Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MS

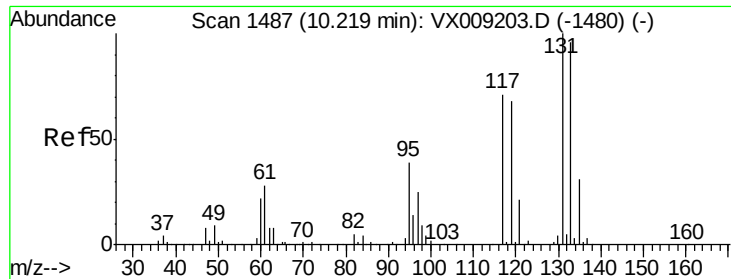
Tot Ion:164 Resp: 77244
Ion Ratio Lower Upper
164 100
166 121.8 101.2 151.8
129 89.4 74.3 111.5
131 85.1 71.0 106.6



#65
Chlorobenzene
Concen: 47.173 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

Tgt Ion:112 Resp: 230524
Ion Ratio Lower Upper
112 100
114 32.2 25.5 38.3

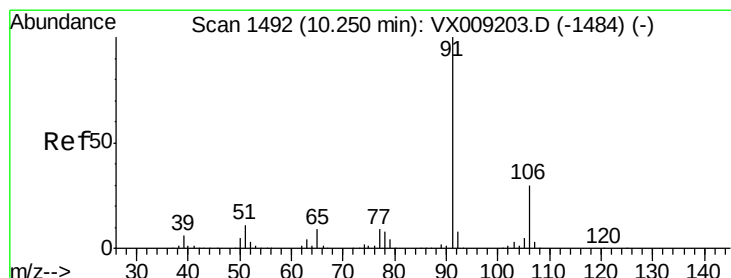
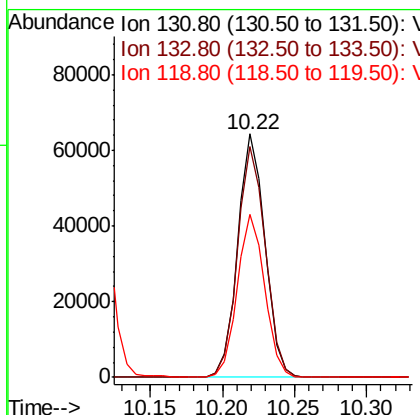
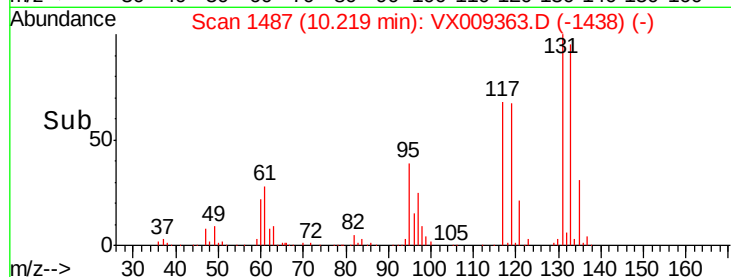
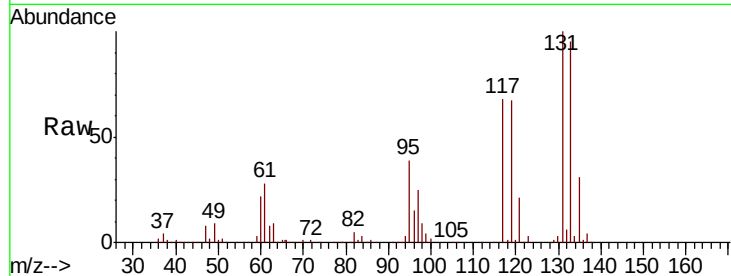




#66
 1,1,1,2-Tetrachloroethane
 Concen: 47.737 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

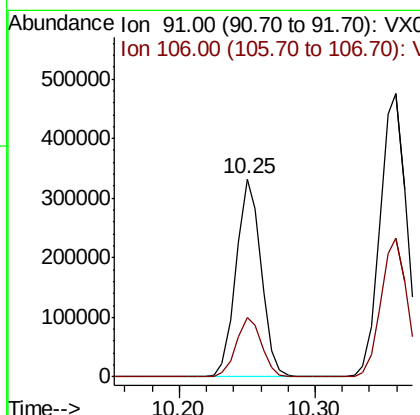
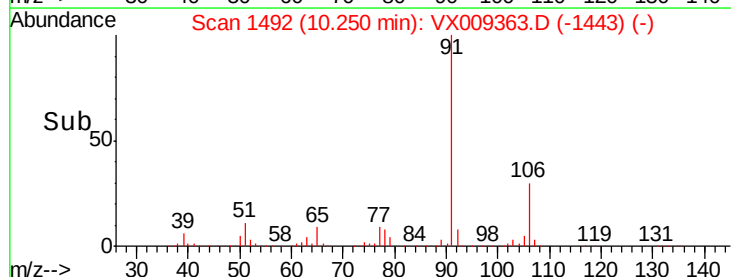
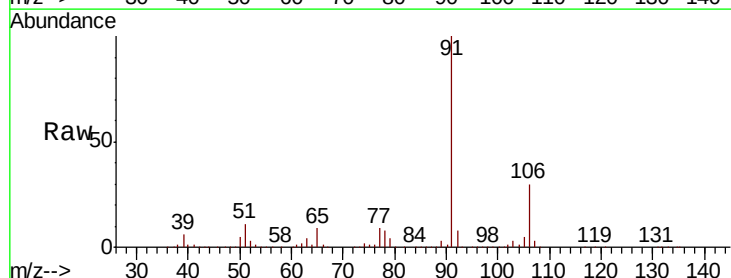
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MS

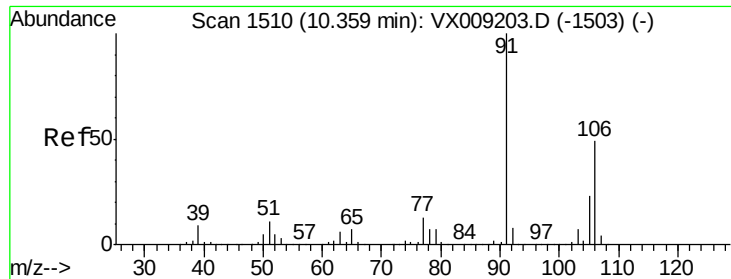
Tot Ion:131 Resp: 84575
 Ion Ratio Lower Upper
 131 100
 133 96.8 47.7 143.1
 119 67.7 33.5 100.4



#67
 Ethyl Benzene
 Concen: 47.420 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

Tgt Ion: 91 Resp: 426480
 Ion Ratio Lower Upper
 91 100
 106 30.0 24.0 36.0

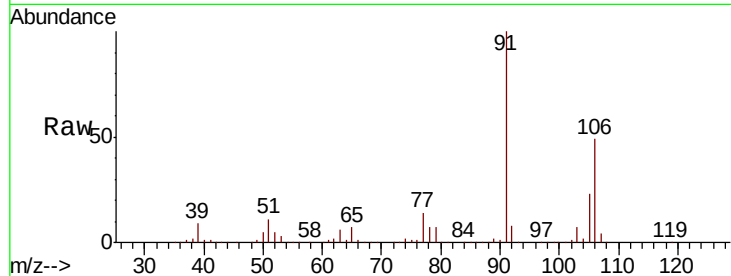




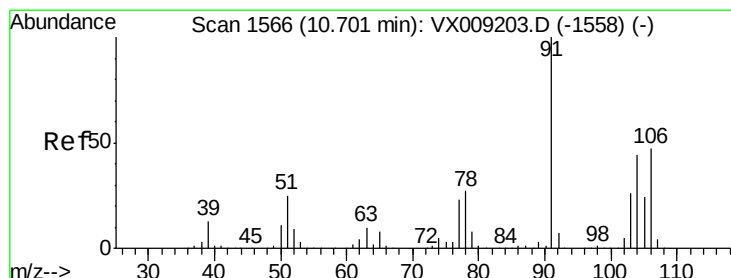
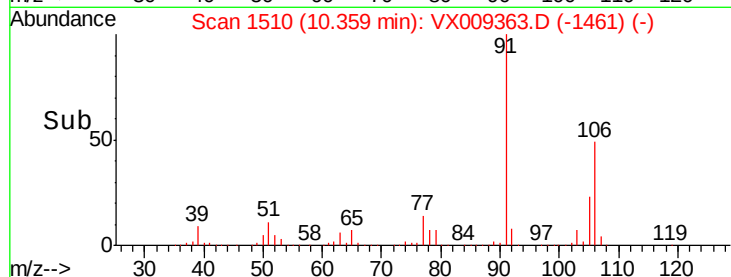
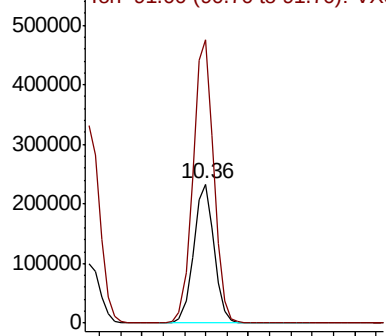
#68
m/p-Xylenes
Concen: 95.053 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MS

Tot Ion:106 Resp: 312397
Ion Ratio Lower Upper
106 100
91 206.9 164.0 246.0

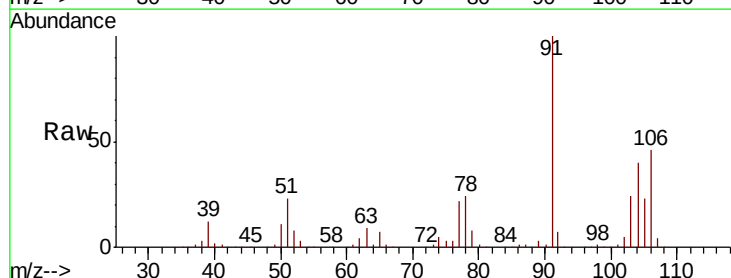


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

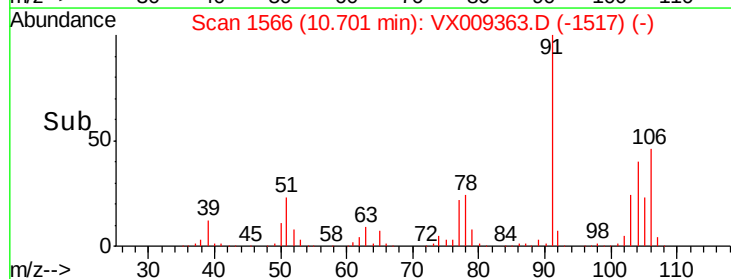
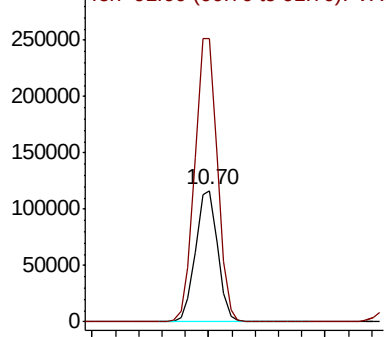


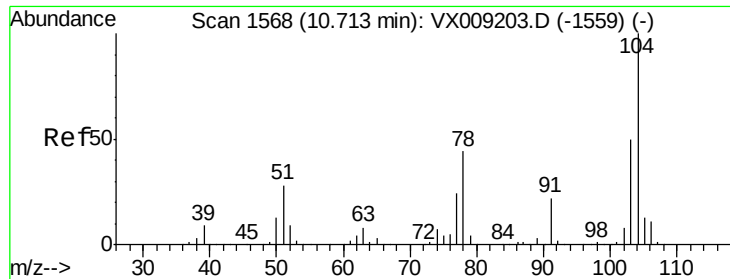
#69
o-Xylene
Concen: 47.556 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

Tgt Ion:106 Resp: 154209
Ion Ratio Lower Upper
106 100
91 219.5 109.5 328.4



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





#70

Stvrene

Concen: 47.774 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MS

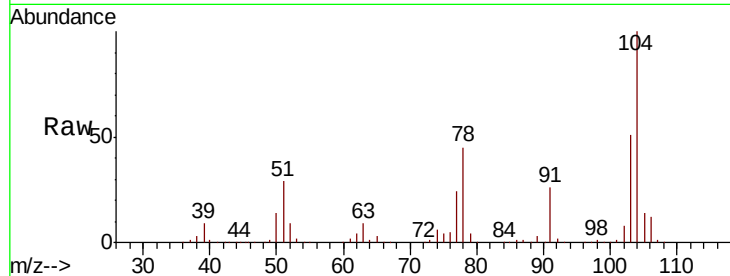
Tot Ion:104 Resp: 269256

Ion Ratio Lower Upper

104 100

78 51.5 41.0 61.4

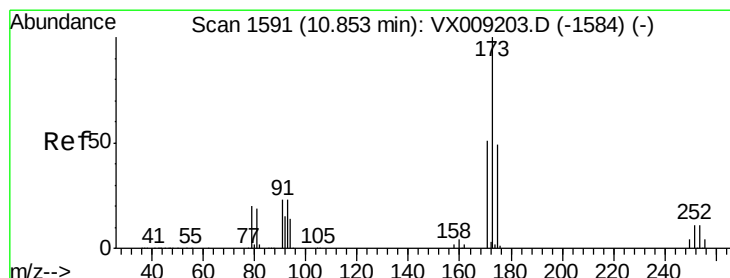
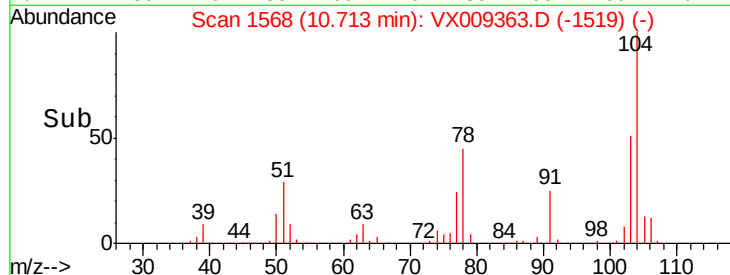
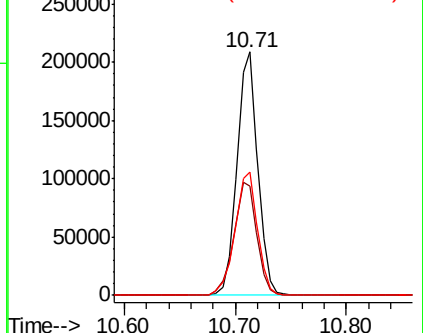
103 55.2 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 50.197 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

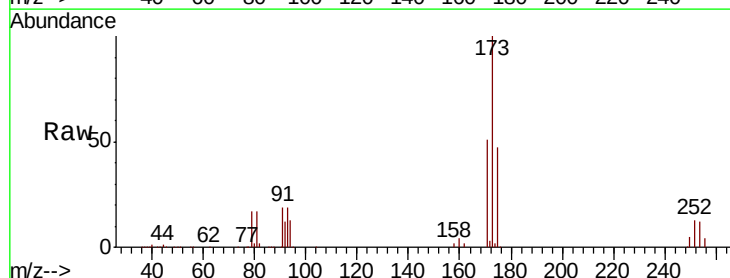
Tgt Ion:173 Resp: 72271

Ion Ratio Lower Upper

173 100

175 48.4 24.5 73.5

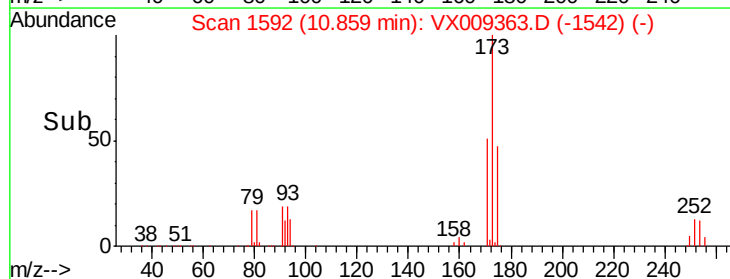
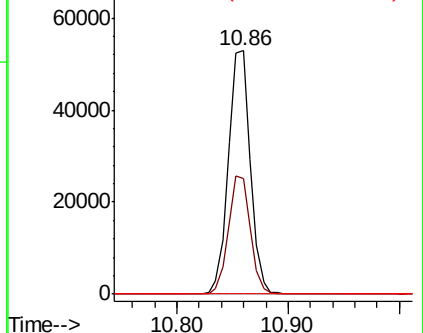
254 0.1 0.1 0.1#

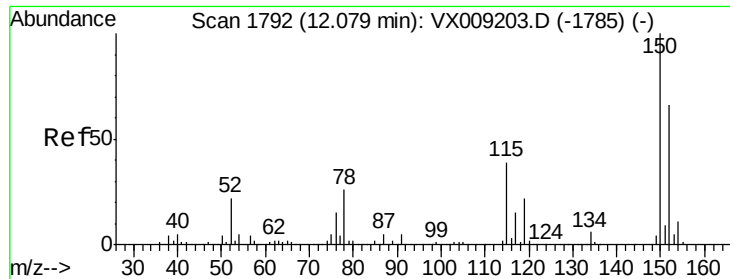


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MS

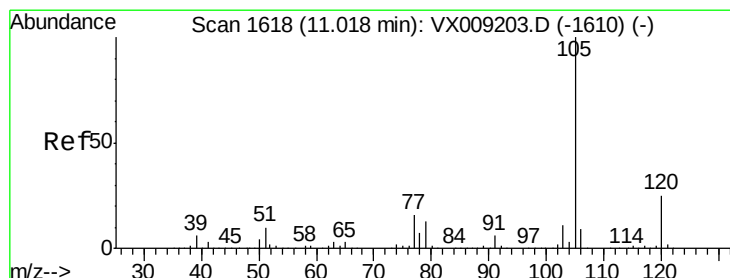
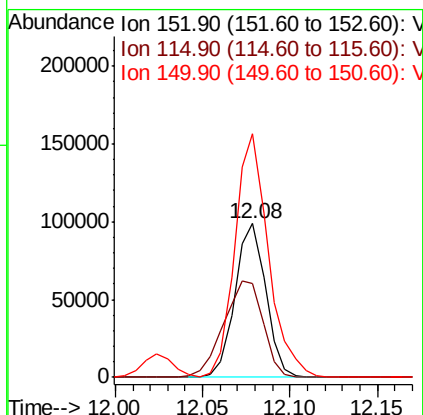
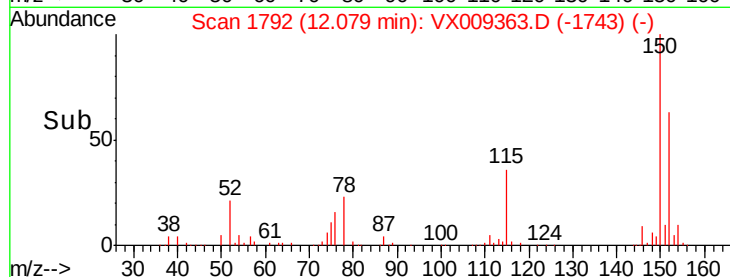
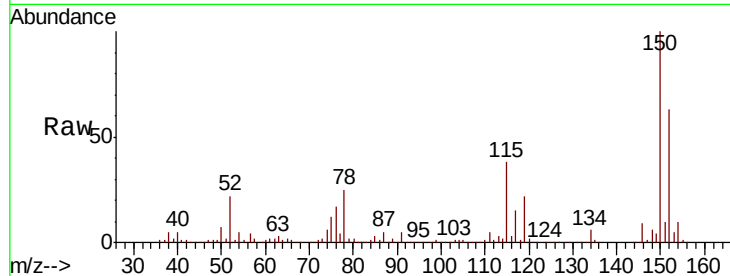
Tot Ion:152 Resp: 120376

Ion Ratio Lower Upper

152 100

115 80.7 41.2 123.6

150 173.2 0.0 346.4



#73

Isopropylbenzene

Concen: 46.818 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009363.D

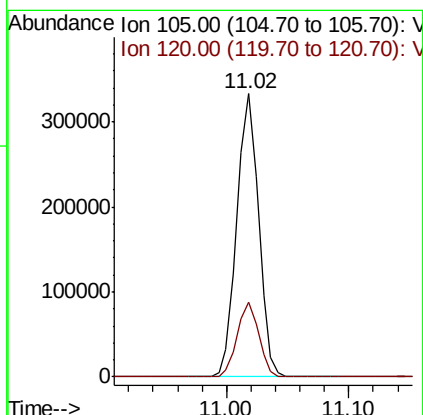
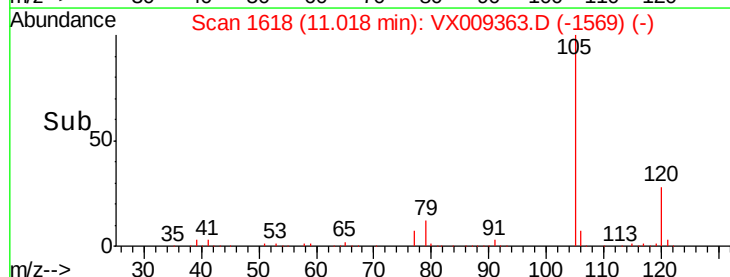
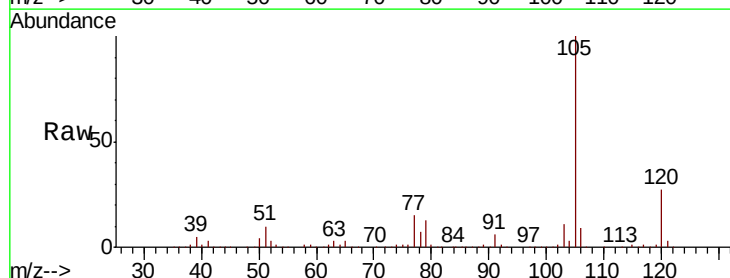
Acq: 06 May 2019 20:10

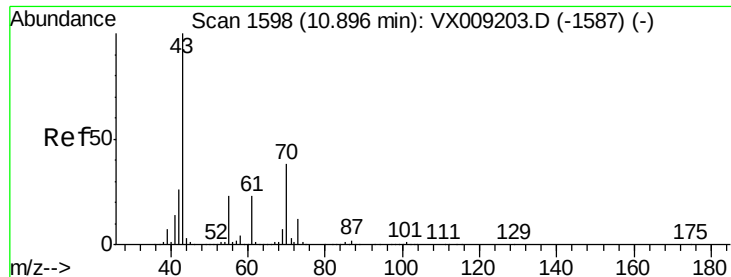
Tgt Ion:105 Resp: 409827

Ion Ratio Lower Upper

105 100

120 26.1 12.8 38.3





#74

N-amvl acetate

Concen: 47.123 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MS

Tot Ion: 43 Resp: 240492

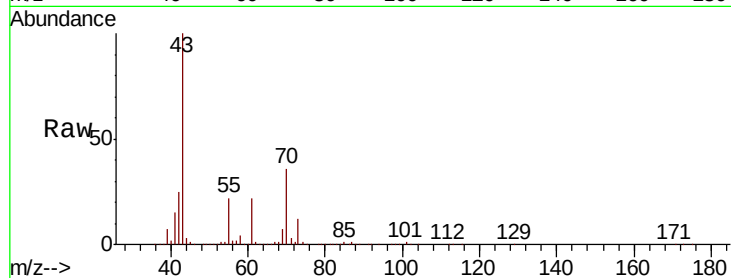
Ion Ratio Lower Upper

43 100

70 37.3 30.0 45.0

55 23.1 17.9 26.9

61 22.6 18.4 27.6

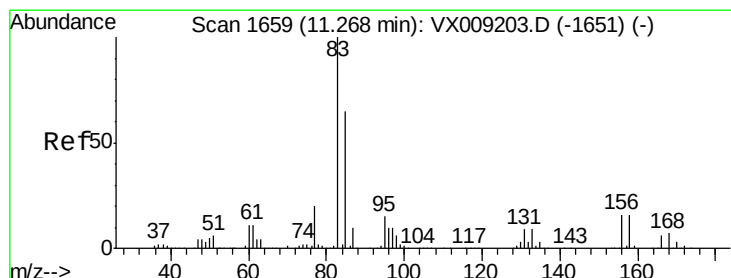
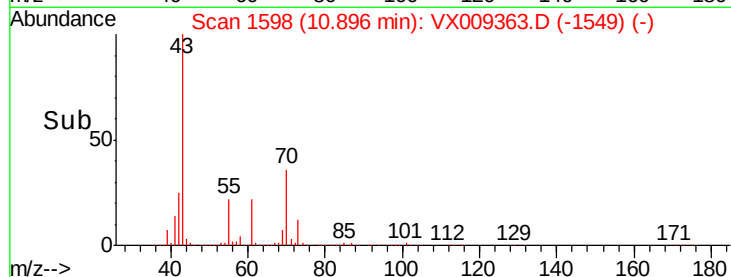
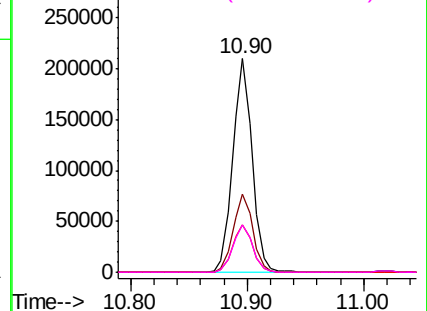


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 49.934 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

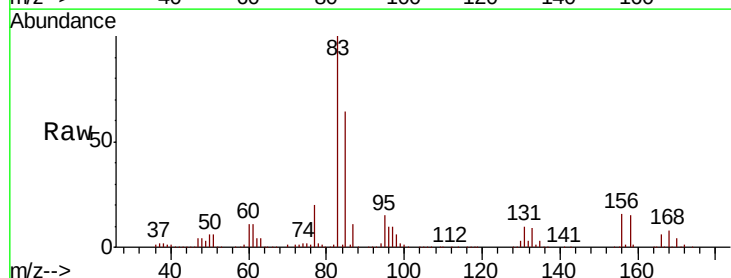
Tgt Ion: 83 Resp: 162945

Ion Ratio Lower Upper

83 100

131 9.5 4.6 13.8

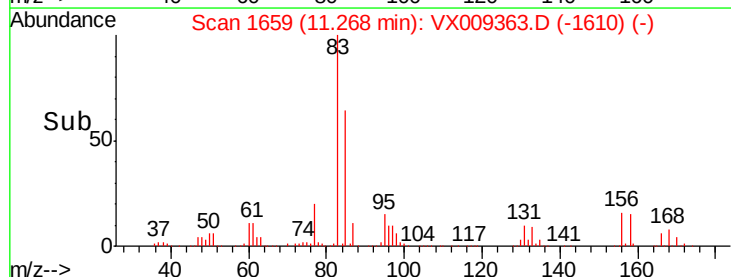
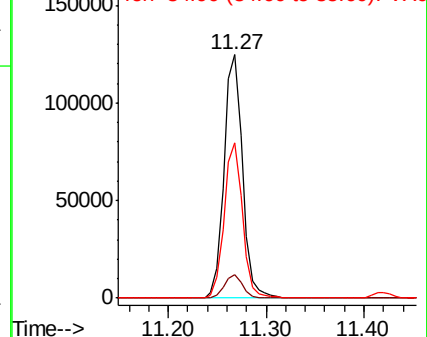
85 63.4 32.0 96.2

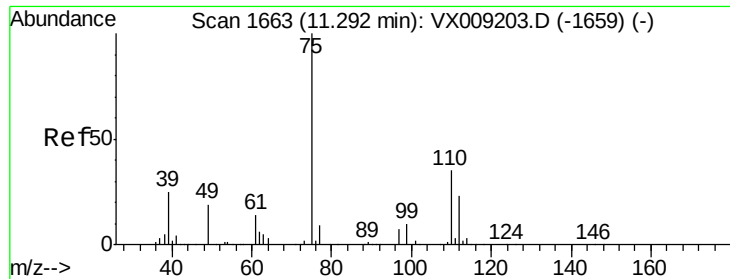


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

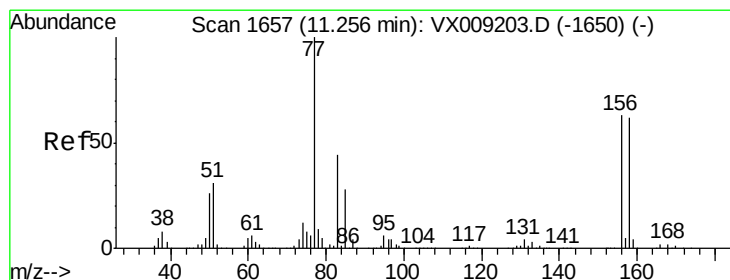
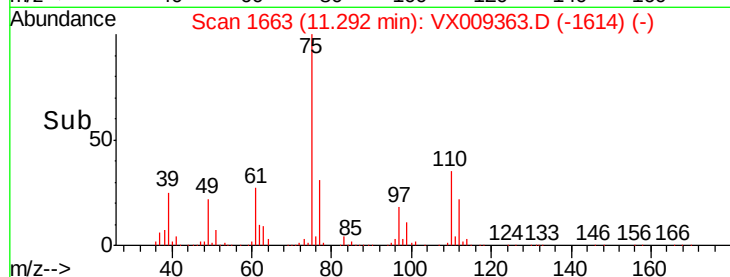
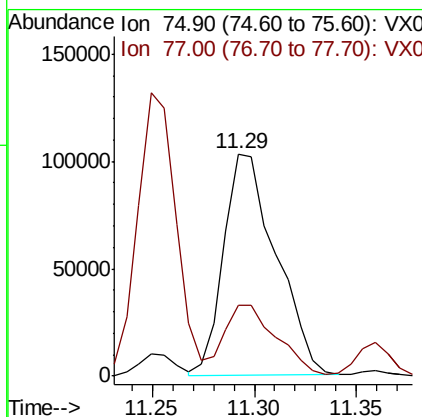
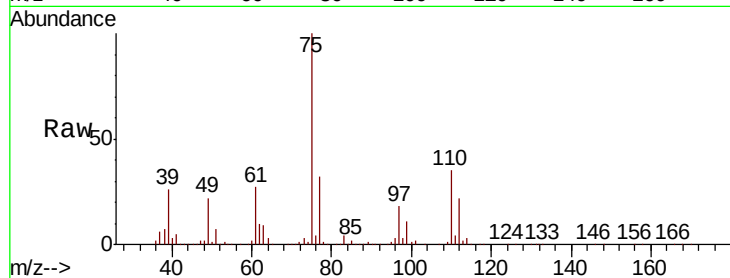




#76
 1,2,3-Trichloropropane
 Concen: 65.798 ug/l
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

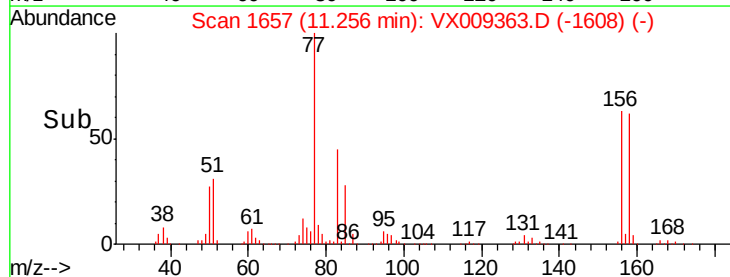
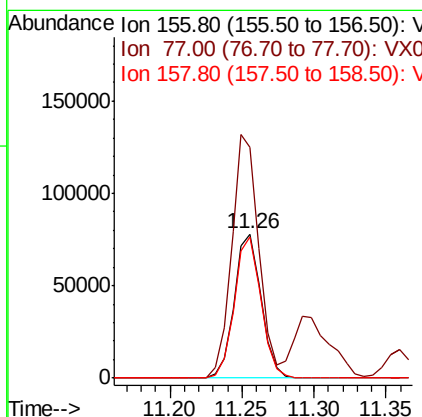
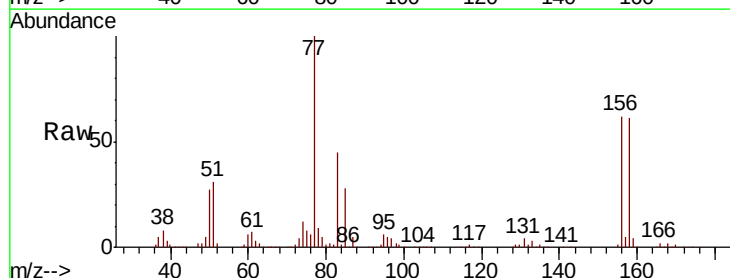
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MS

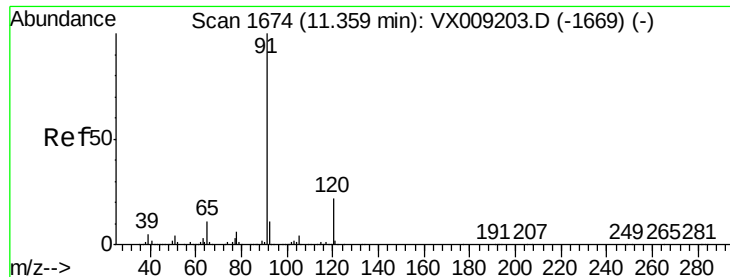
Tot Ion: 75 Resp: 183728
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.1 66.1



#77
 Bromobenzene
 Concen: 46.980 ug/l
 RT: 11.26 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

Tgt Ion: 156 Resp: 102072
 Ion Ratio Lower Upper
 156 100
 77 169.3 84.8 254.3
 158 96.8 49.1 147.3





#78

n-propylbenzene

Concen: 47.158 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

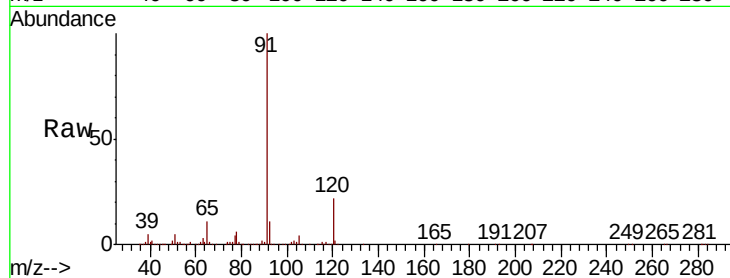
MW-4-20190502MS

Tot Ion: 91 Resp: 471441

Ion Ratio Lower Upper

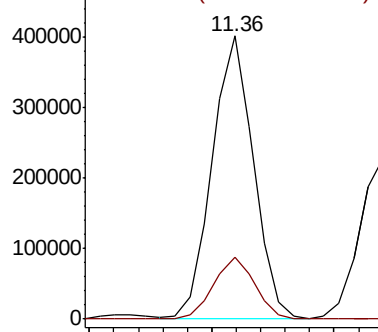
91 100

120 22.1 11.0 33.0

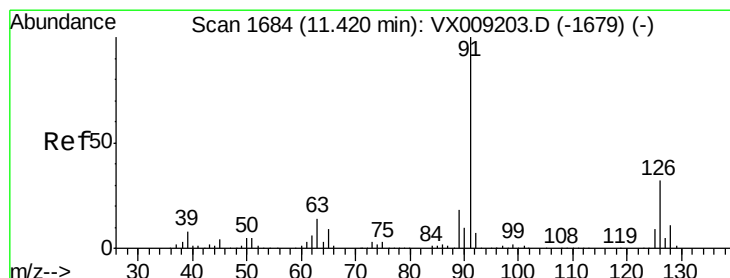
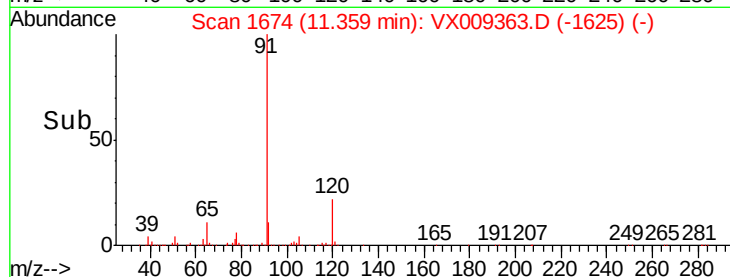


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



Time--> 11.30 11.35 11.40



#79

2-Chlorotoluene

Concen: 45.858 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009363.D

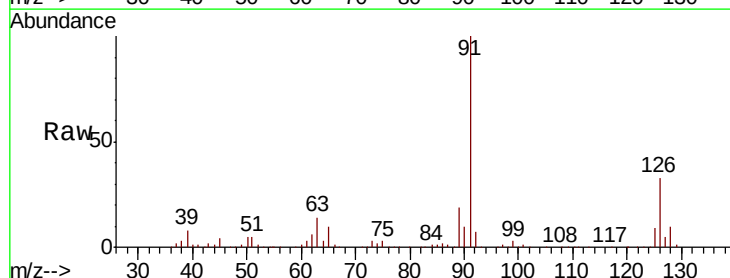
Acq: 06 May 2019 20:10

Tgt Ion: 91 Resp: 282838

Ion Ratio Lower Upper

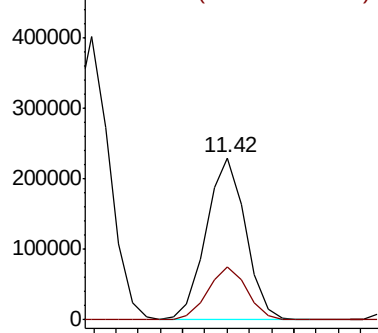
91 100

126 33.0 16.3 48.9

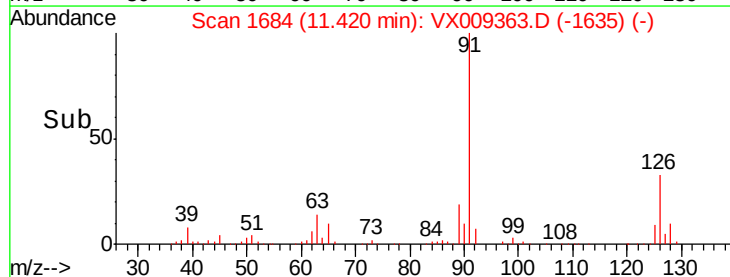


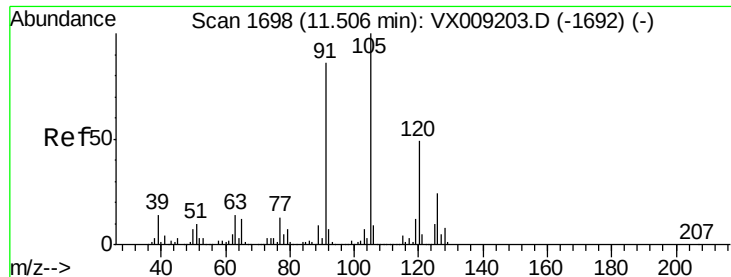
Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



Time--> 11.40 11.45

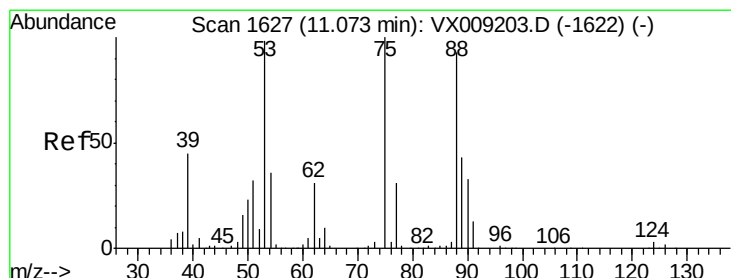
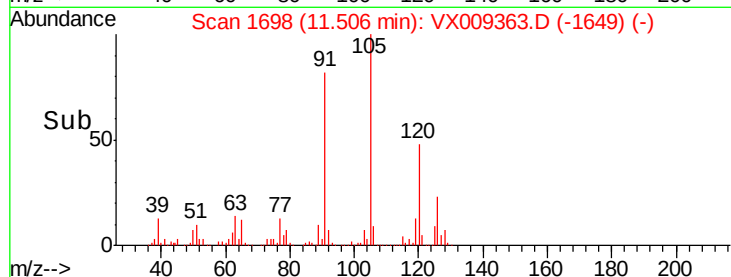
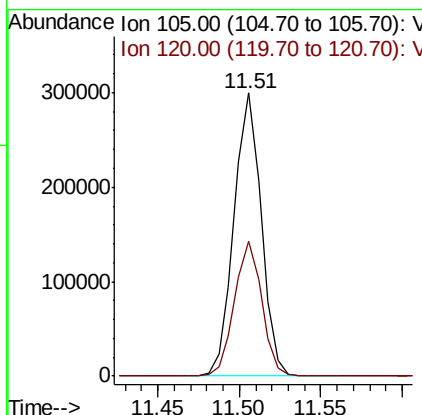
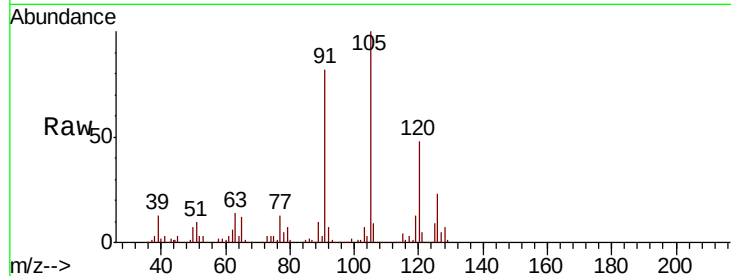




#80
 1,3,5-Trimethylbenzene
 Concen: 47.247 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

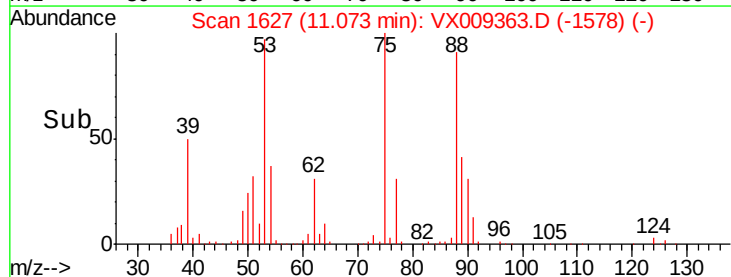
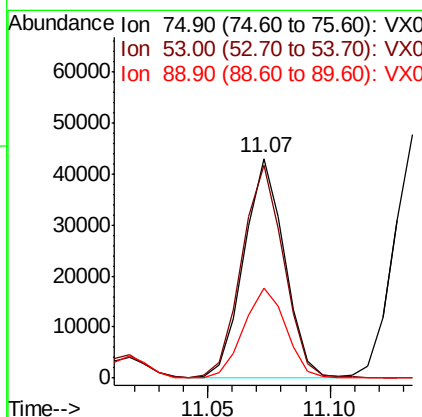
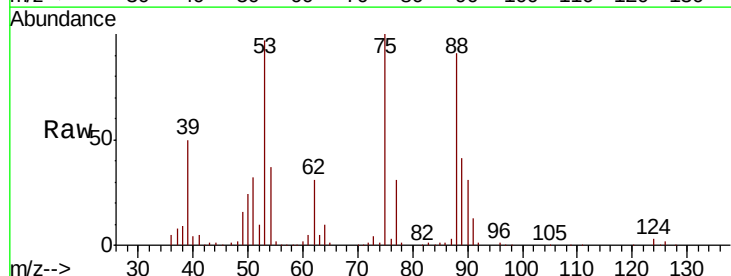
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MS

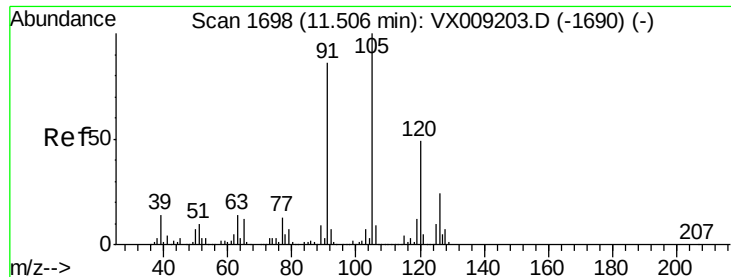
Tot Ion:105 Resp: 348240
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.3 72.9



#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.593 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

Tgt Ion: 75 Resp: 49756
 Ion Ratio Lower Upper
 75 100
 53 100.1 79.0 118.6
 89 43.0 34.7 52.1

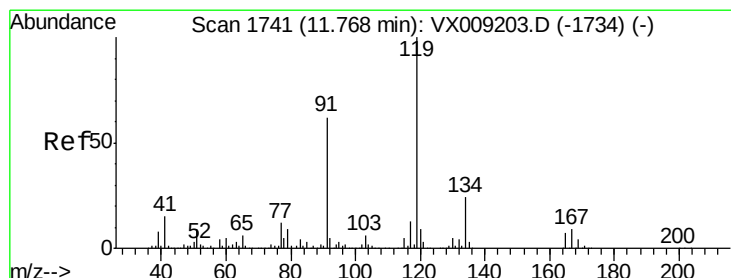
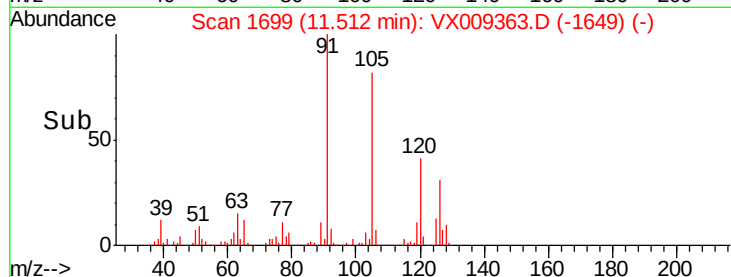
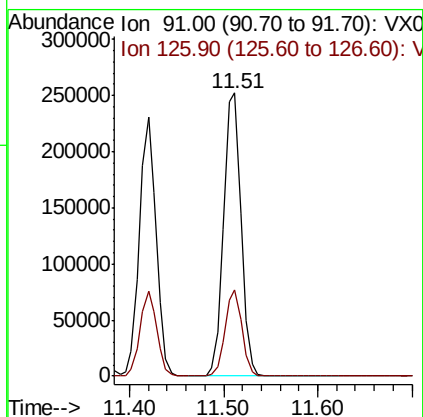
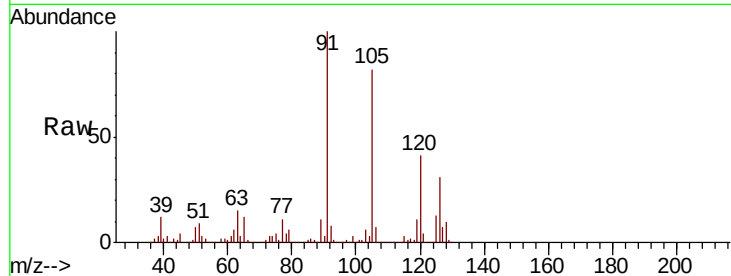




#82
4-Chlorotoluene
Concen: 46.517 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

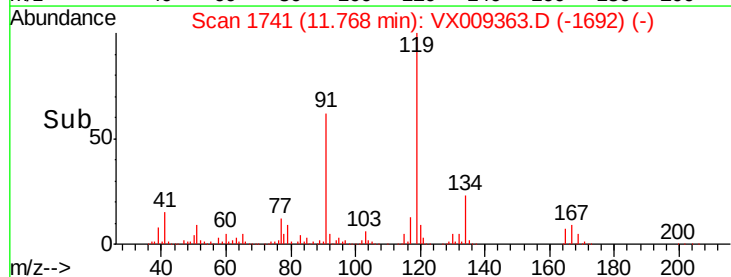
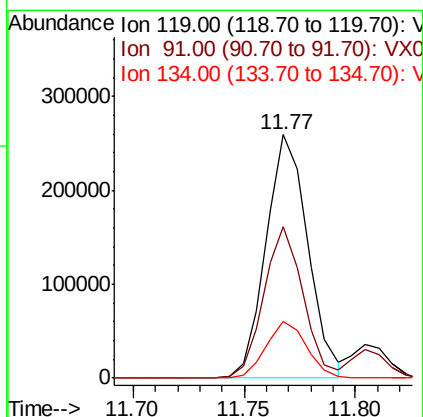
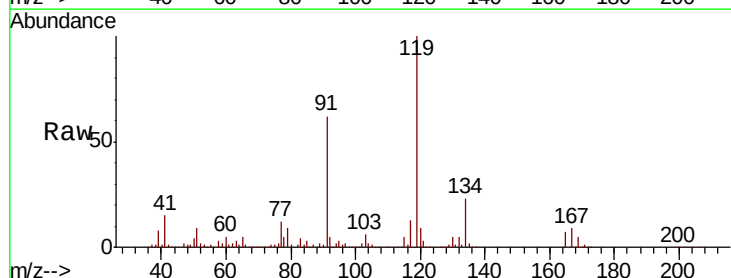
Instrument :
MSVOA_X
ClientSampleId :
MW-4-20190502MS

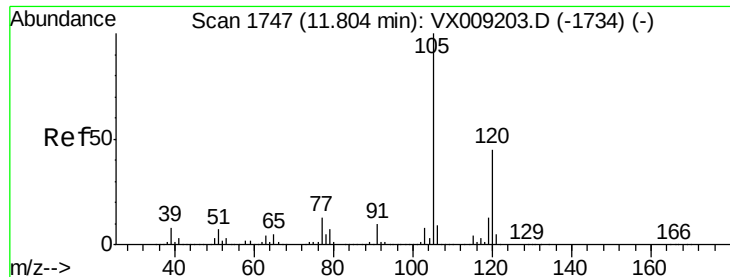
Tot Ion: 91 Resp: 324114
Ion Ratio Lower Upper
91 100
126 29.4 14.5 43.6



#83
tert-Butylbenzene
Concen: 47.245 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009363.D
Acq: 06 May 2019 20:10

Tgt Ion: 119 Resp: 338747
Ion Ratio Lower Upper
119 100
91 58.5 29.5 88.5
134 22.5 11.4 34.1

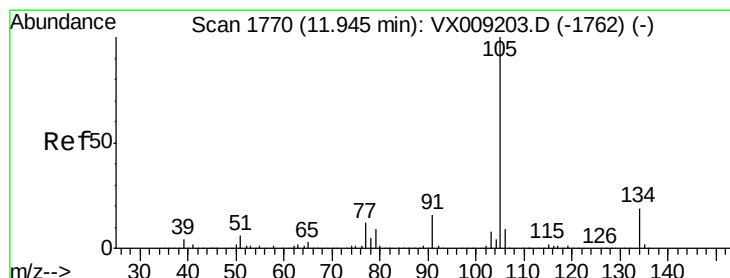
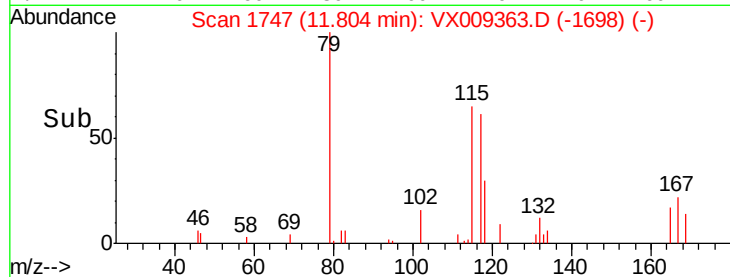
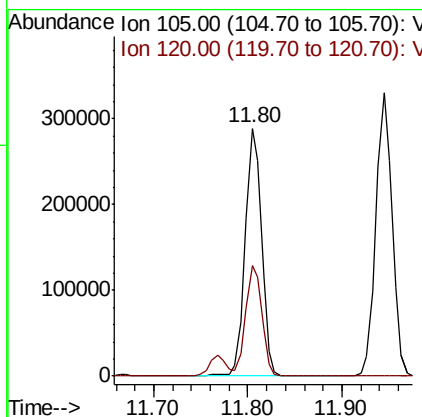
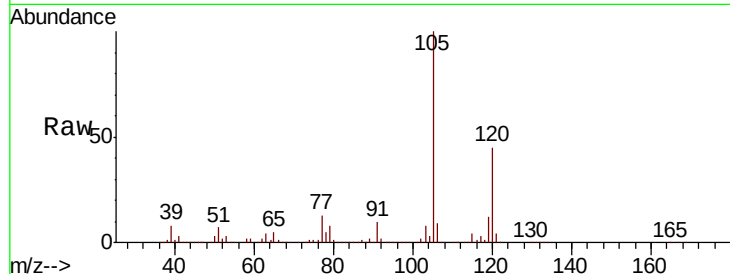




#84
 1,2,4-Trimethylbenzene
 Concen: 47.500 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

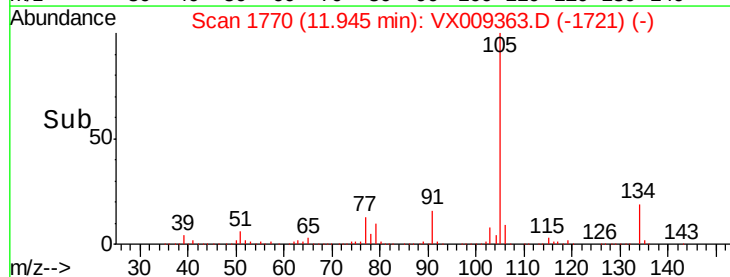
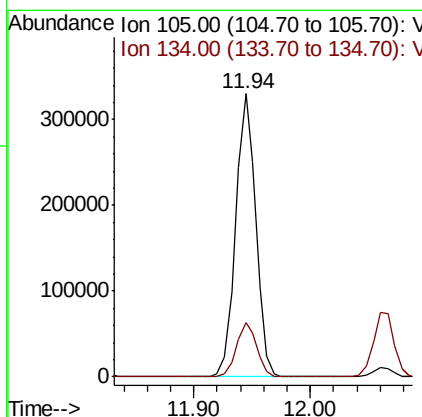
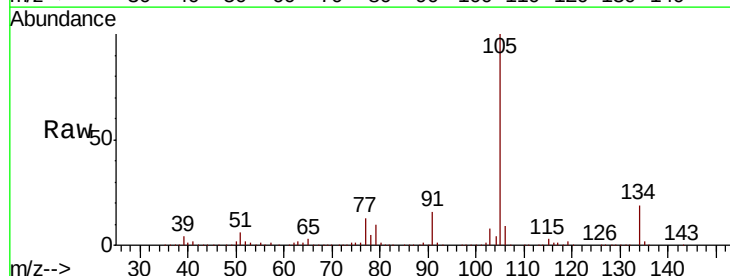
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MS

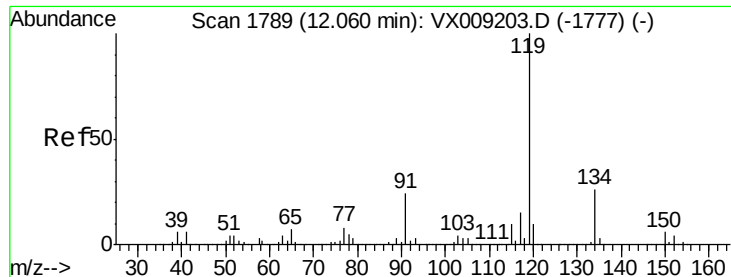
Tot Ion:105 Resp: 351416
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.0 66.0



#85
 sec-Butylbenzene
 Concen: 46.761 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

Tgt Ion:105 Resp: 397499
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.7 28.9

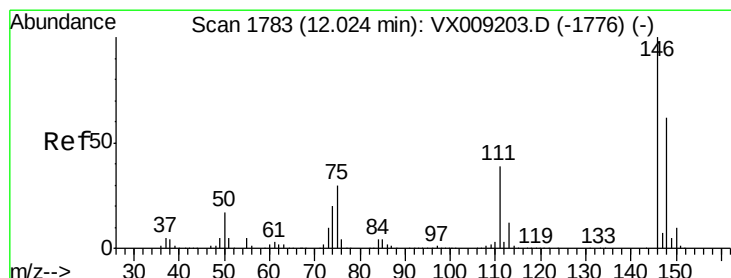
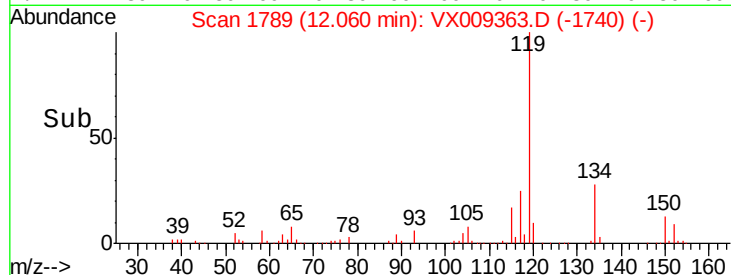
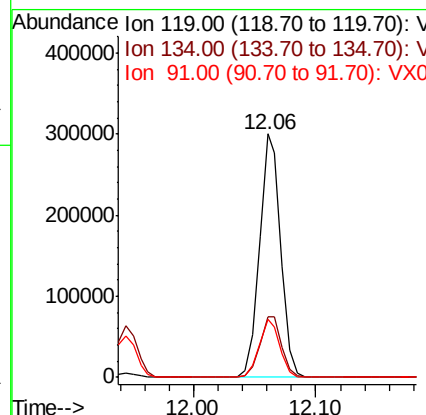
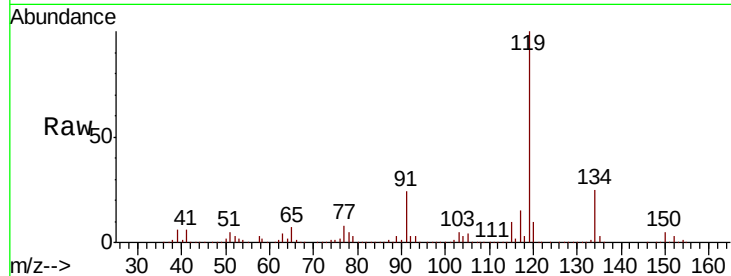




#86
 p-Isopropyltoluene
 Concen: 47.500 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

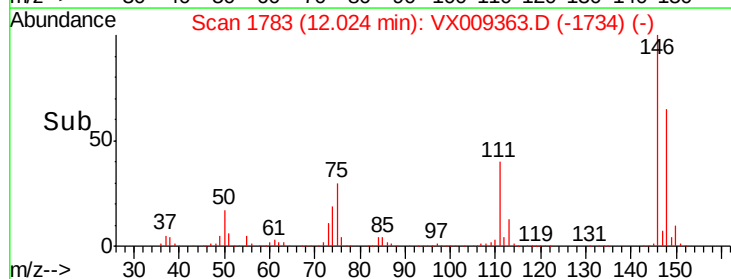
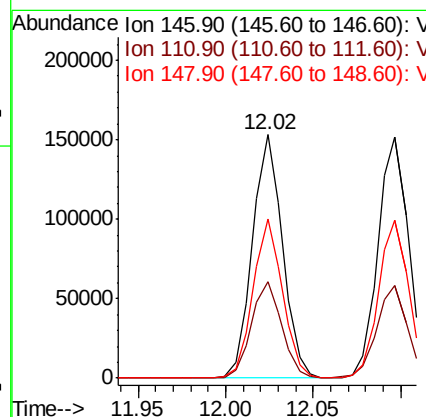
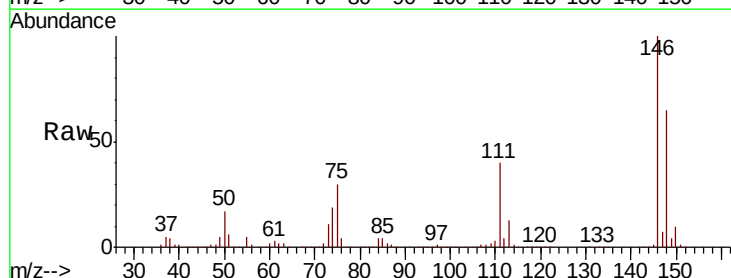
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MS

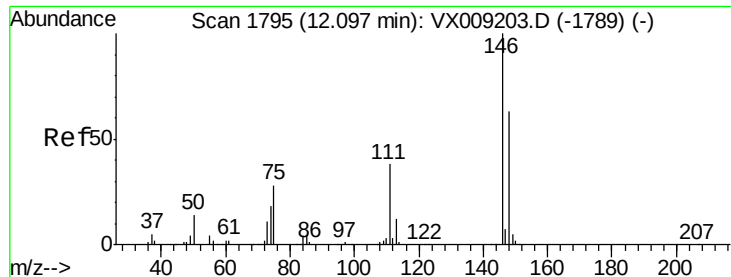
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.9	38.7
91	23.5	11.8	35.4



#87
 1,3-Dichlorobenzene
 Concen: 47.291 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.0	59.9
148	63.8	31.8	95.3





#88

1,4-Dichlorobenzene

Concen: 47.066 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MS

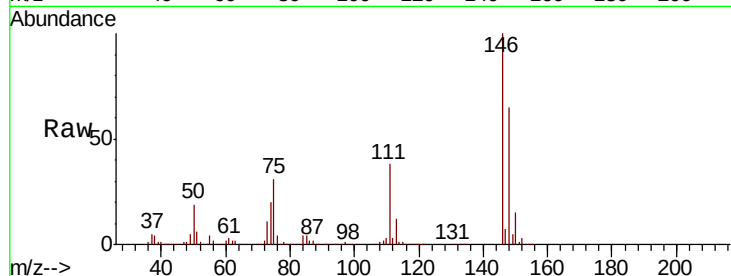
Tot Ion:146 Resp: 183788

Ion Ratio Lower Upper

146 100

111 38.7 19.6 58.8

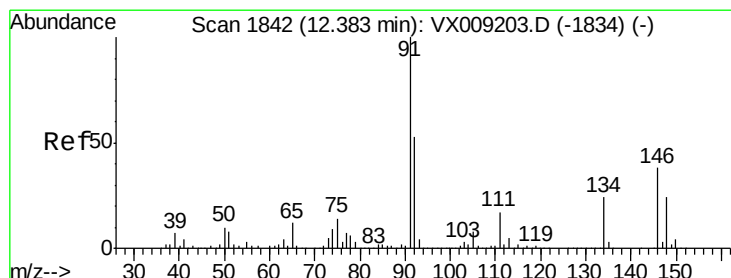
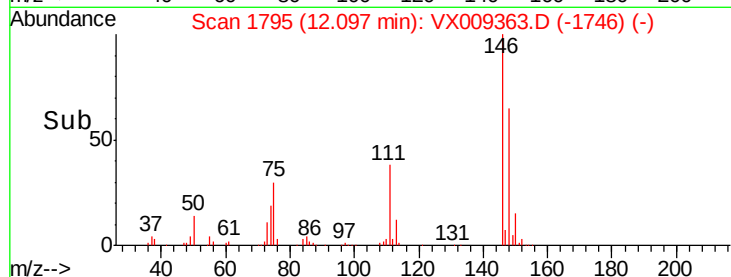
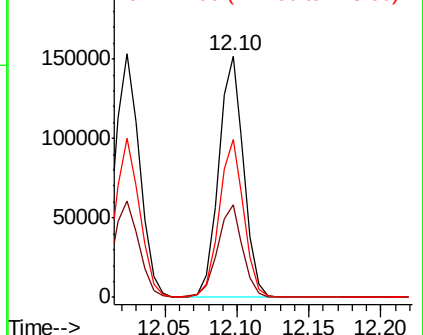
148 64.5 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 47.601 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

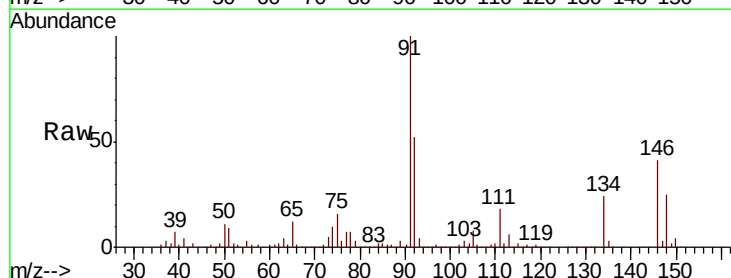
Tgt Ion: 91 Resp: 328786

Ion Ratio Lower Upper

91 100

92 52.6 26.5 79.5

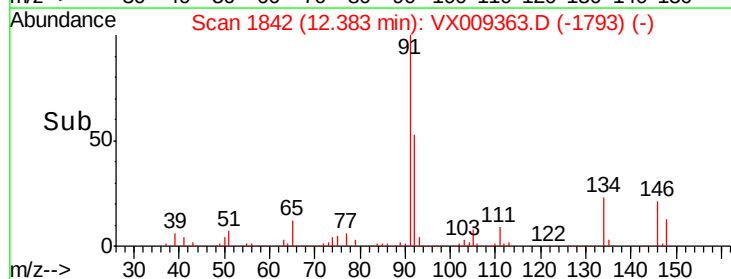
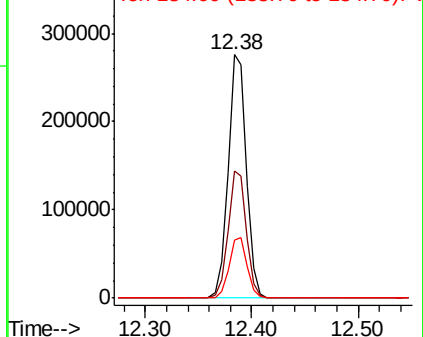
134 24.7 12.4 37.2

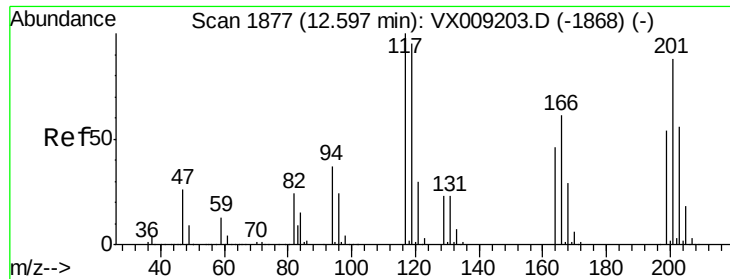


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 47.479 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

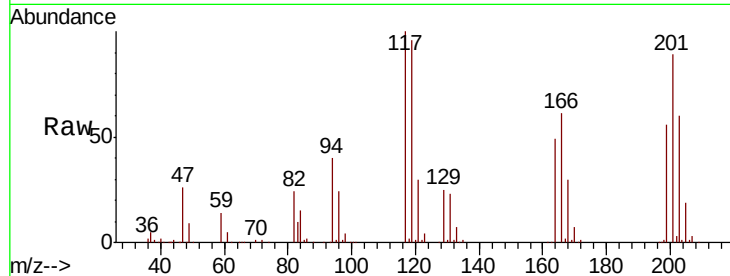
MW-4-20190502MS

Tot Ion:117 Resp: 61815

Ion Ratio Lower Upper

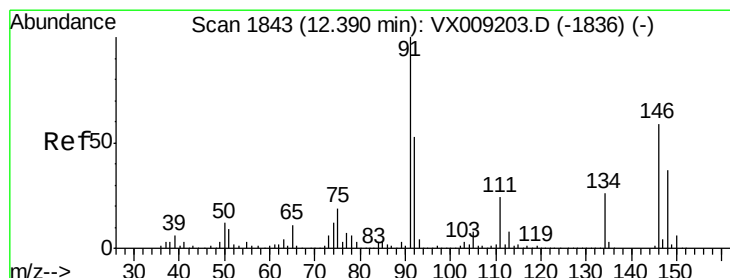
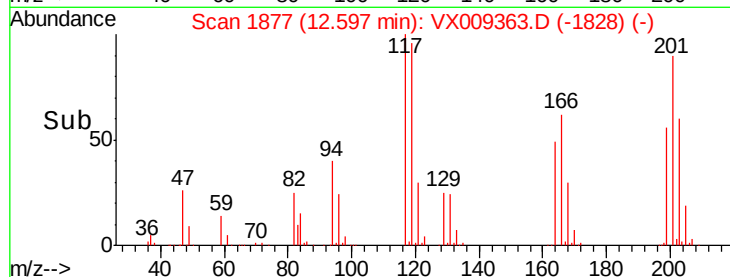
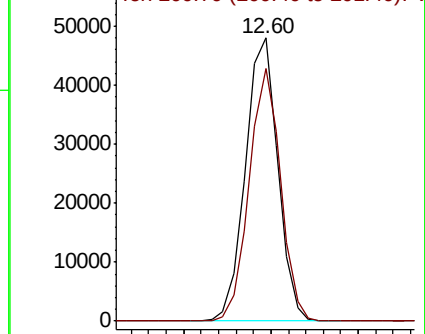
117 100

201 86.4 42.3 126.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 47.989 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

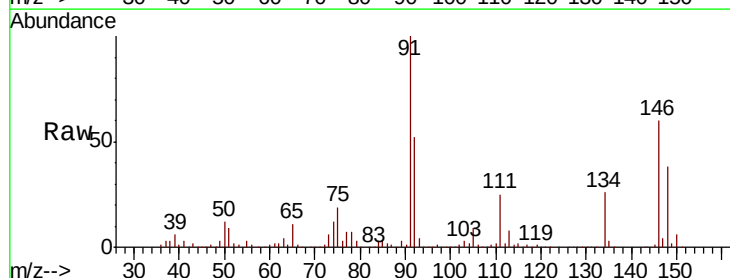
Tgt Ion:146 Resp: 189318

Ion Ratio Lower Upper

146 100

111 41.3 20.8 62.4

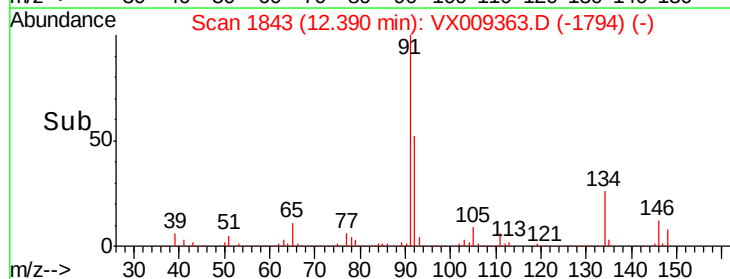
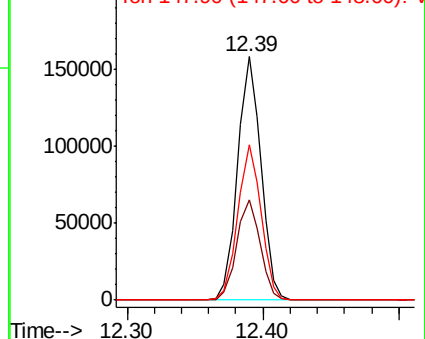
148 63.7 31.9 95.9

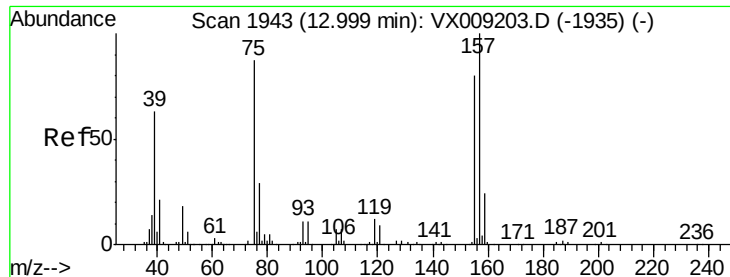


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 51.132 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MS

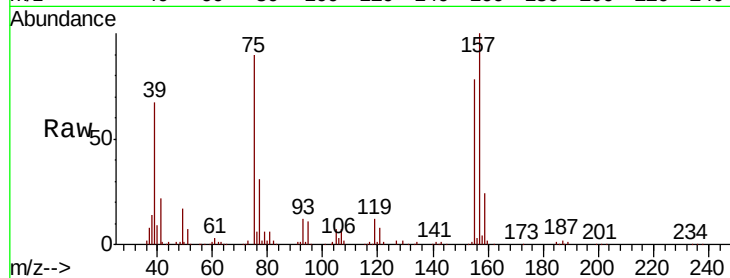
Tot Ion: 75 Resp: 37430

Ion	Ratio	Lower	Upper
75	100		
155	84.9	42.0	126.0
157	107.3	53.2	159.6

75 100

155 84.9 42.0 126.0

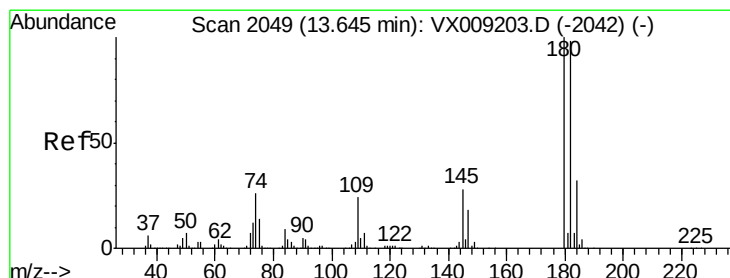
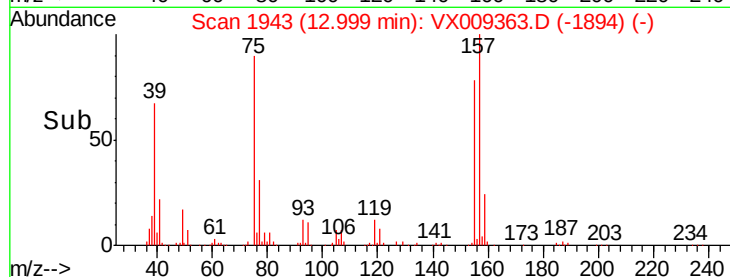
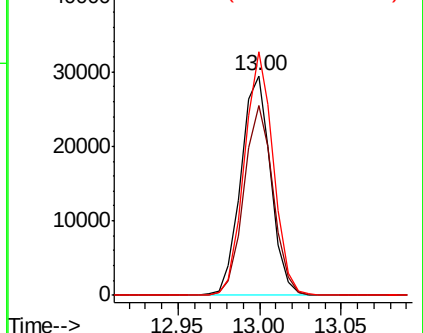
157 107.3 53.2 159.6



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



#93

1,2,4-Trichlorobenzene

Concen: 49.016 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

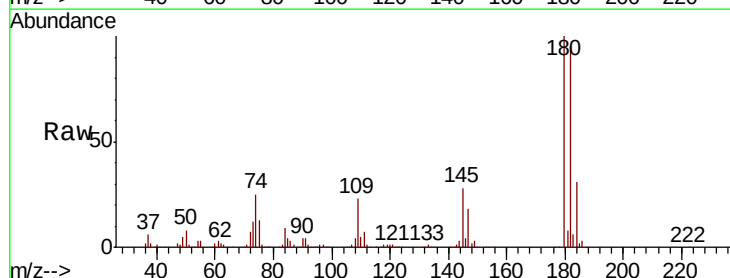
Tgt Ion:180 Resp: 132233

Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.4	145.2
145	28.5	14.6	43.8

180 100

182 95.0 48.4 145.2

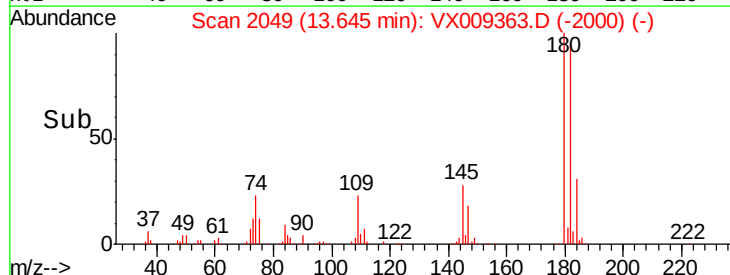
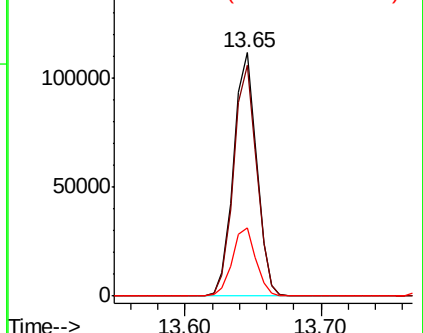
145 28.5 14.6 43.8

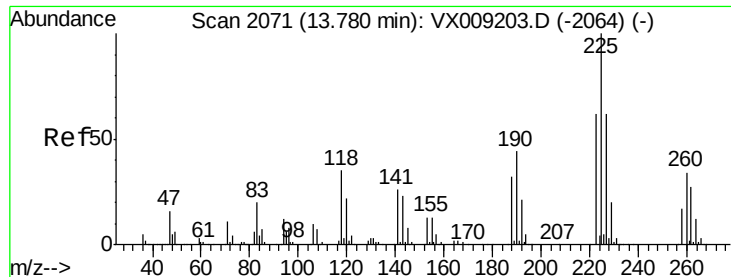


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 47.882 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

MW-4-20190502MS

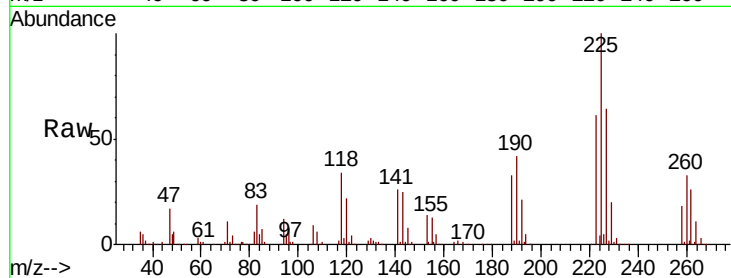
Tot Ion:225 Resp: 65964

Ion Ratio Lower Upper

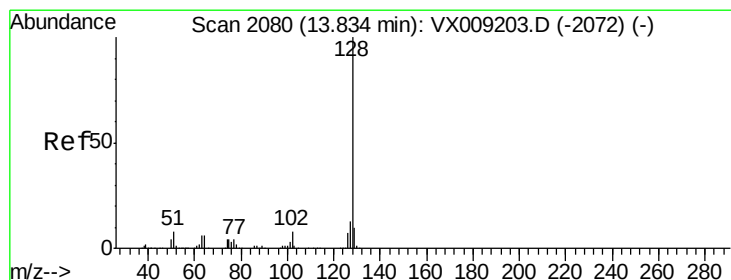
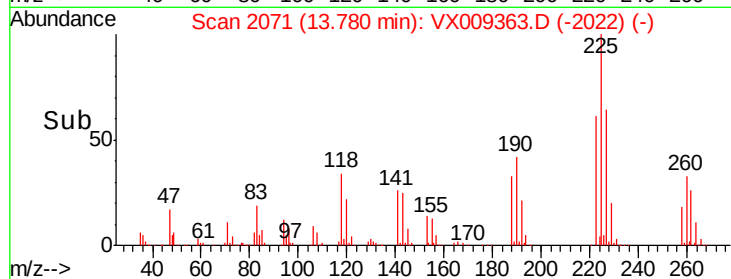
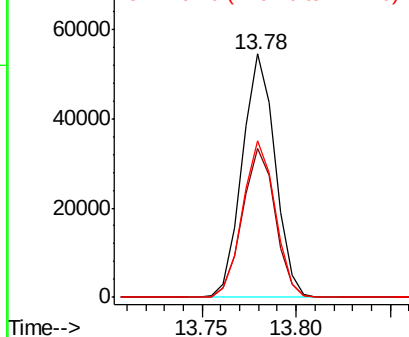
225 100

223 61.0 31.3 93.8

227 63.7 31.8 95.3



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 50.768 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009363.D

Acq: 06 May 2019 20:10

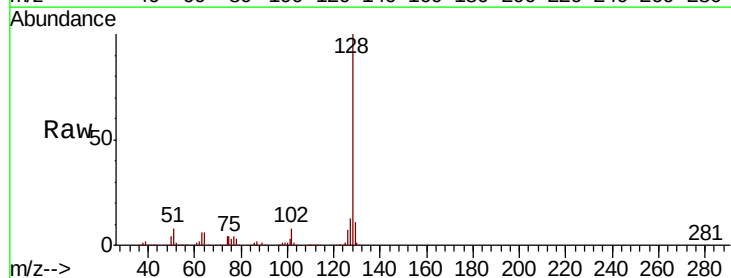
Tgt Ion:128 Resp: 445583

Ion Ratio Lower Upper

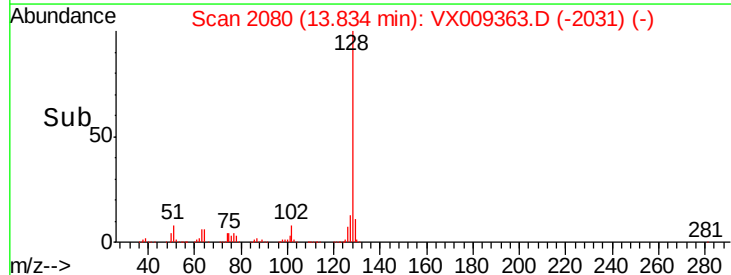
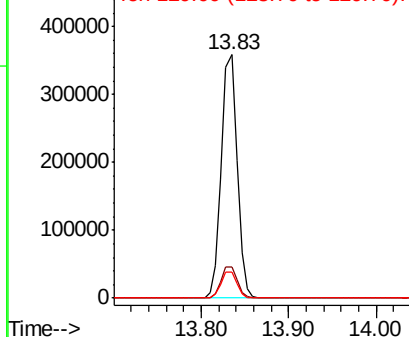
128 100

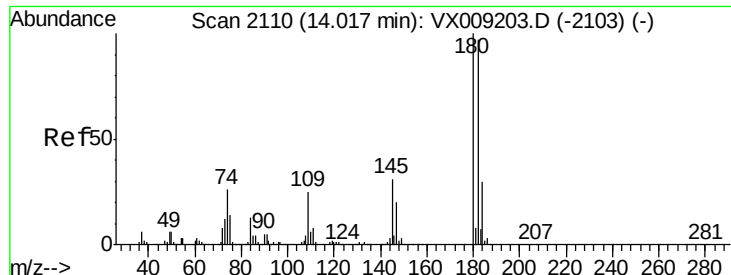
127 13.3 10.4 15.6

129 10.9 8.6 13.0



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

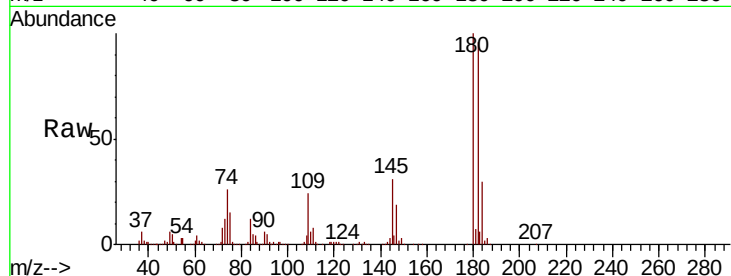




#96
 1,2,3-Trichlorobenzene
 Concen: 49.532 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX009363.D
 Acq: 06 May 2019 20:10

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4-20190502MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.8	143.4
145	30.6	15.4	46.4



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

