

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100719\
 Data File : VX012852.D
 Acq On : 07 Oct 2019 20:40
 Operator : JC/SP
 Sample : K5154-12MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-103IMS

Quant Time: Oct 08 11:14:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	159185	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	279905	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	251479	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	118310	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	111461	48.08	ug/l	0.00
Spiked Amount			Recovery	=	96.16%	
35) Dibromofluoromethane	5.49	113	86341	51.80	ug/l	0.00
Spiked Amount			Recovery	=	103.60%	
50) Toluene-d8	8.71	98	321149	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	
62) 4-Bromofluorobenzene	11.14	95	131936	52.27	ug/l	0.00
Spiked Amount			Recovery	=	104.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	59198	33.057	ug/l	100
3) Chloromethane	1.31	50	76167	37.040	ug/l	99
4) Vinyl Chloride	1.40	62	86850	42.492	ug/l	94
5) Bromomethane	1.62	94	24774	30.828	ug/l	98
6) Chloroethane	1.70	64	65062	47.219	ug/l	98
7) Trichlorofluoromethane	1.91	101	114433	39.876	ug/l	99
8) Diethyl Ether	2.18	74	52601	44.728	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	70589	40.386	ug/l	98
10) Methyl Iodide	2.50	142	63583	36.063	ug/l	93
11) Tert butyl alcohol	3.04	59	140253	242.207	ug/l	98
12) 1,1-Dichloroethene	2.36	96	78120	45.644	ug/l	90
13) Acrolein	2.28	56	68509	213.923	ug/l	98
14) Allyl chloride	2.72	41	148216	43.649	ug/l #	95
15) Acrylonitrile	3.13	53	284434	242.114	ug/l	99
16) Acetone	2.44	43	241277	196.508	ug/l	95
17) Carbon Disulfide	2.56	76	195016	40.644	ug/l	99
18) Methyl Acetate	2.76	43	133161	46.059	ug/l	94
19) Methyl tert-butyl Ether	3.19	73	325618	50.263	ug/l	100
20) Methylene Chloride	2.84	84	98153	47.264	ug/l	90
21) trans-1,2-Dichloroethene	3.16	96	86388	45.560	ug/l	98
22) Diisopropyl ether	3.84	45	314069	47.867	ug/l	95
23) Vinyl Acetate	3.80	43	1283862	223.126	ug/l	97
24) 1,1-Dichloroethane	3.69	63	191478	53.687	ug/l	99
25) 2-Butanone	4.66	43	399675	227.022	ug/l	96
26) 2,2-Dichloropropane	4.57	77	120985	38.140	ug/l	94
27) cis-1,2-Dichloroethene	4.59	96	114935	52.241	ug/l	90
28) Bromochloromethane	5.00	49	65287	50.414	ug/l #	15
29) Tetrahydrofuran	5.12	42	256480	239.022	ug/l	94
30) Chloroform	5.20	83	173627	47.583	ug/l	98
31) Cyclohexane	5.57	56	127569	39.537	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	146990	45.452	ug/l	98
36) 1,1-Dichloropropene	5.79	75	120192	44.549	ug/l	98
37) Ethyl Acetate	4.82	43	144770	45.897	ug/l	96
38) Carbon Tetrachloride	5.78	117	117177	42.755	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	129110	39.750	ug/l	96
40) Benzene	6.13	78	381720	48.086	ug/l	97
41) Methacrylonitrile	5.03	41	84086	47.513	ug/l	95
42) 1,2-Dichloroethane	6.19	62	143585	47.632	ug/l	98
43) Isopropyl Acetate	6.44	43	247576	46.935	ug/l	96
44) Trichloroethene	7.21	130	95842	47.227	ug/l	95
45) 1,2-Dichloropropane	7.51	63	101925	50.151	ug/l	98
46) Dibromomethane	7.65	93	68212	49.295	ug/l	99
47) Bromodichloromethane	7.89	83	135728	49.077	ug/l	97
48) Methyl methacrylate	7.76	41	125479	49.611	ug/l	91
49) 1,4-Dioxane	7.73	88	57622	1004.425	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	803125	246.654	ug/l	95
52) Toluene	8.78	92	241619	48.428	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	148221	48.440	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	161204	48.252	ug/l	92
55) 1,1,2-Trichloroethane	9.21	97	103940	52.400	ug/l	99
56) Ethyl methacrylate	9.17	69	174469	52.355	ug/l	90
57) 1,3-Dichloropropane	9.37	76	175219	50.472	ug/l	100
59) 2-Hexanone	9.49	43	629476	252.566	ug/l	93
60) Dibromochloromethane	9.58	129	106352	52.965	ug/l	98
61) 1,2-Dibromoethane	9.67	107	106295	51.490	ug/l	98
64) Tetrachloroethene	9.33	164	75787	43.224	ug/l	94
65) Chlorobenzene	10.14	112	258163	48.750	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	97469	50.799	ug/l	98
67) Ethyl Benzene	10.25	91	462746	48.178	ug/l	100
68) m/p-Xylenes	10.36	106	345589	96.050	ug/l	100
69) o-Xylene	10.70	106	172991	49.689	ug/l	100
70) Stvrene	10.71	104	301320	51.627	ug/l	99
71) Bromoform	10.85	173	72071	53.944	ug/l #	96
73) Isopropylbenzene	11.01	105	446556	46.343	ug/l	100
74) N-amyl acetate	10.89	43	220513	47.969	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.26	83	169568	53.135	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	189094	60.421	ug/l	86
77) Bromobenzene	11.25	156	108052	49.545	ug/l	99
78) n-propylbenzene	11.35	91	498873	45.986	ug/l	100
79) 2-Chlorotoluene	11.42	91	316896	46.827	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	379538	46.969	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	48520	44.430	ug/l	96
82) 4-Chlorotoluene	11.51	91	360511	46.731	ug/l	99
83) tert-Butylbenzene	11.76	119	372397	47.775	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	392019	48.092	ug/l	100
85) sec-Butylbenzene	11.94	105	411766	45.418	ug/l	99
86) p-Isopropyltoluene	12.06	119	390291	47.710	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	197246	50.257	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	195496	49.294	ug/l	99
89) n-Butylbenzene	12.39	91	327636	45.450	ug/l	100
90) Hexachloroethane	12.59	117	67734	46.443	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	196085	49.904	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.99	75	40069	50.193	ug/l	96
93) 1,2,4-Trichlorobenzene	13.64	180	125492	52.370	ug/l	100

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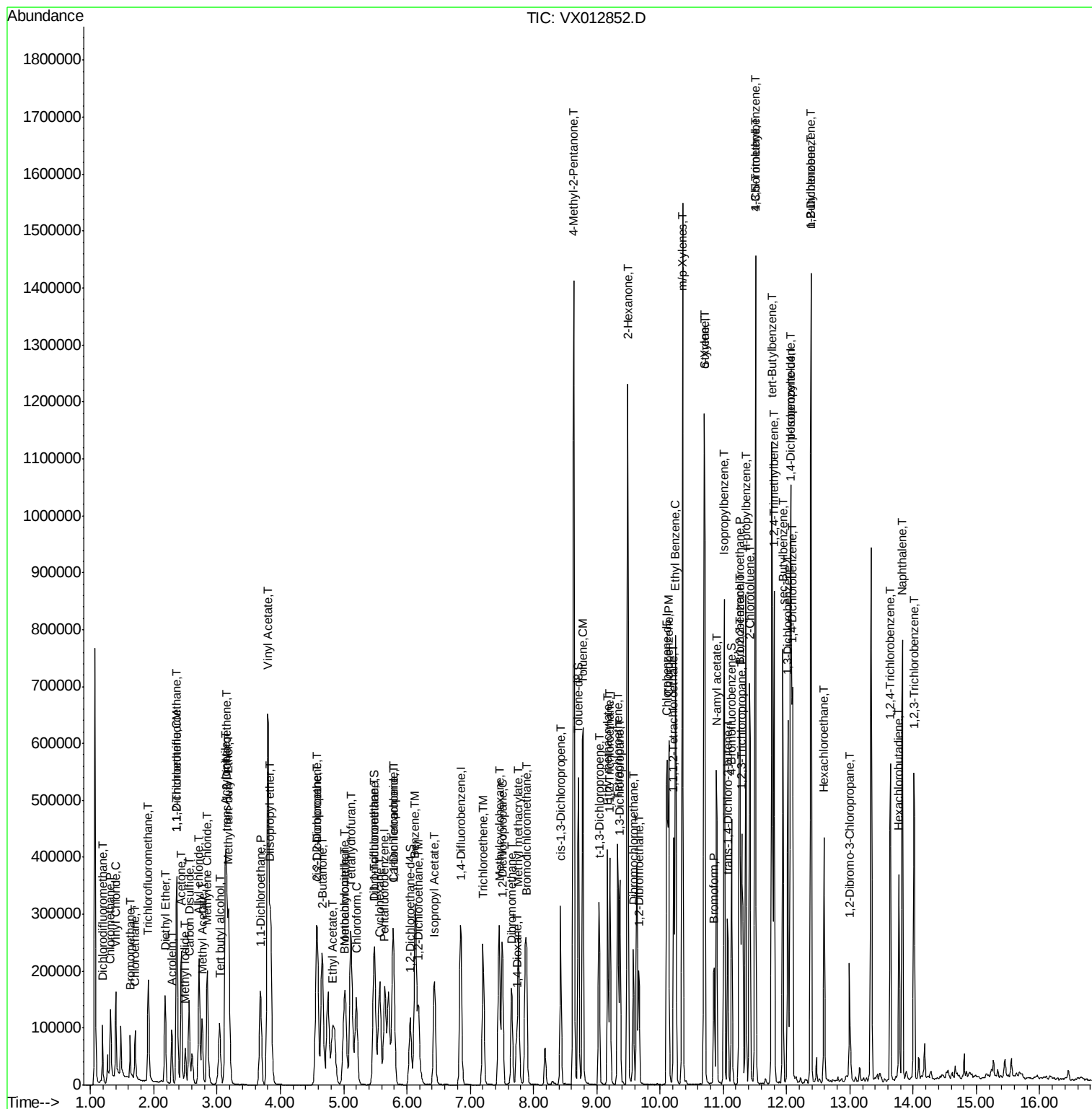
Quant Time: Oct 08 11:14:16 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
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QLast Update : Mon Sep 23 12:27:01 2019
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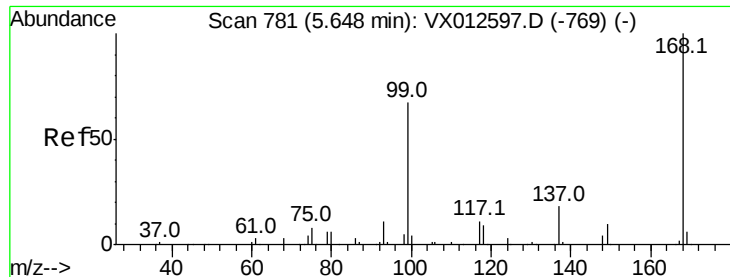
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	50243	48.738	ug/l	98
95) Naphthalene	13.83	128	462177	53.309	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	124863	52.018	ug/l	99

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

Instrument :
MSVOA_X
ClientSampleId :
MW-103IMS

Quant Time: Oct 08 11:14:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

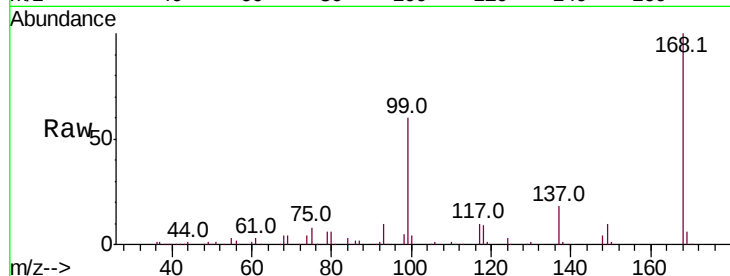
MW-103IMS

Tot Ion:168 Resp: 159185

Ion Ratio Lower Upper

168 100

99 60.1 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

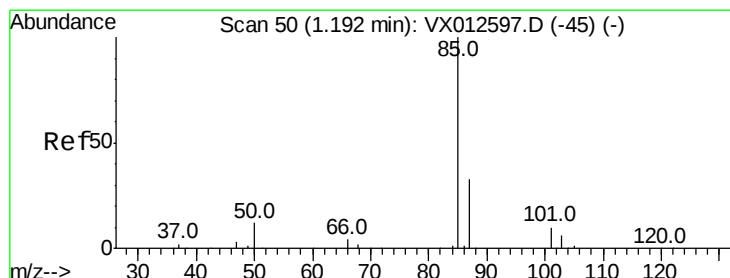
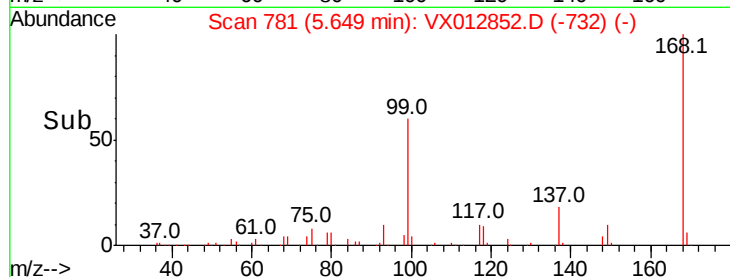
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 33.057 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012852.D

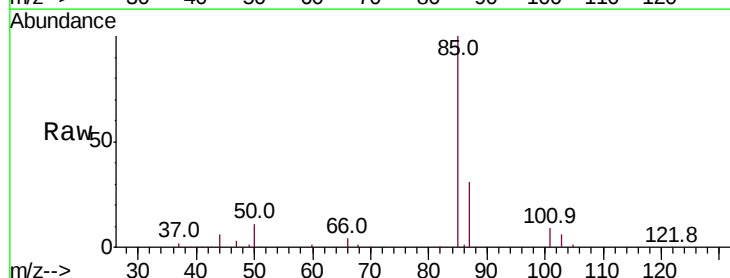
Acq: 07 Oct 2019 20:40

Tgt Ion: 85 Resp: 59198

Ion Ratio Lower Upper

85 100

87 31.2 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

60000

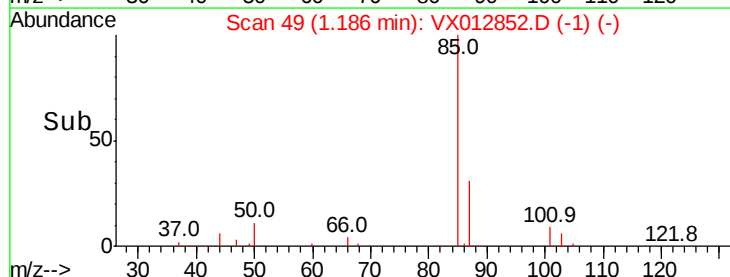
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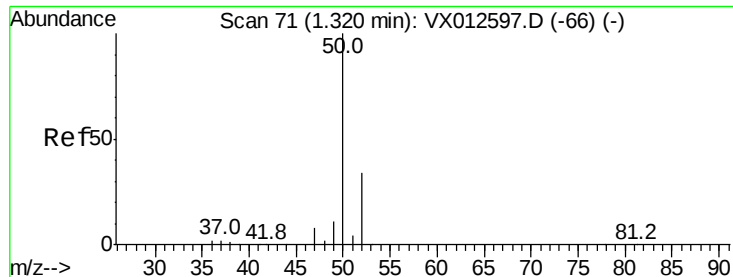
20000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 37.040 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.01 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

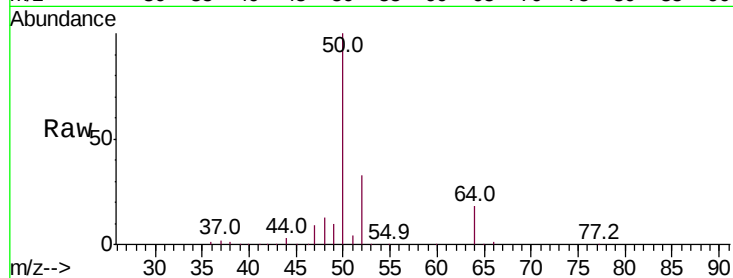
MW-103IMS

Tot Ion: 50 Resp: 76167

Ion Ratio Lower Upper

50 100

52 32.9 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

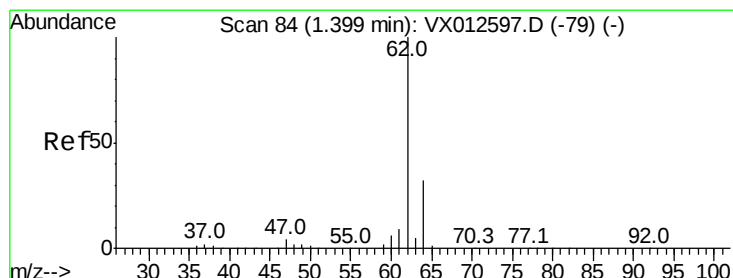
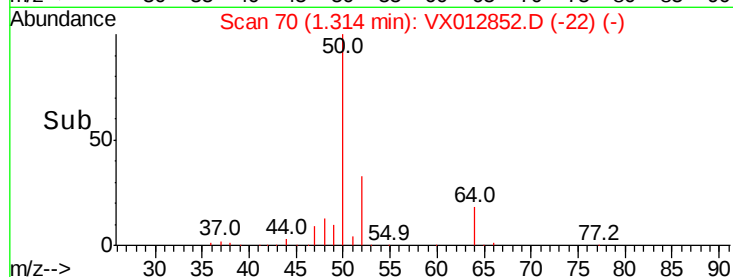
60000

40000

20000

0

Time--> 1.25 1.30 1.35



#4

Vinyl Chloride

Concen: 42.492 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012852.D

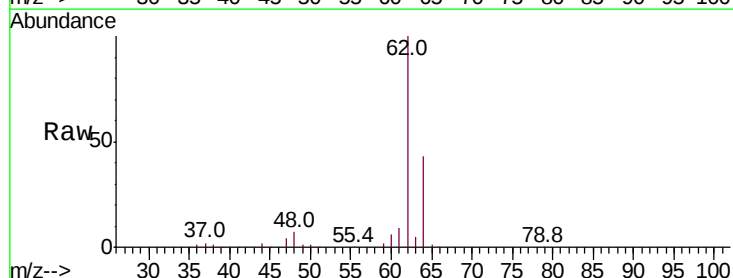
Acq: 07 Oct 2019 20:40

Tgt Ion: 62 Resp: 86850

Ion Ratio Lower Upper

62 100

64 33.6 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

100000

80000

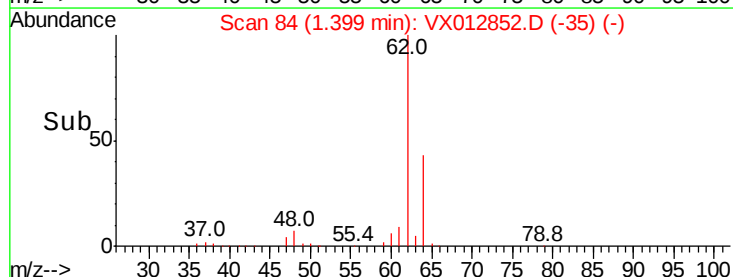
60000

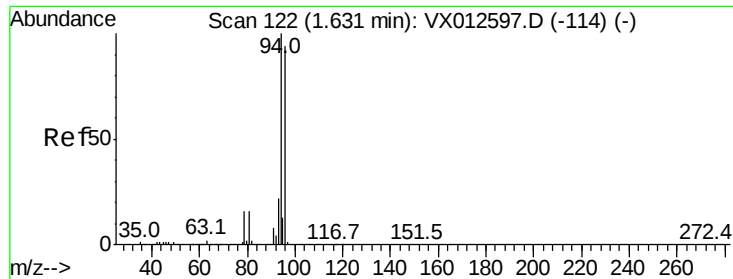
40000

20000

0

Time--> 1.35 1.40 1.45 1.50





#5

Bromomethane

Concen: 30.828 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

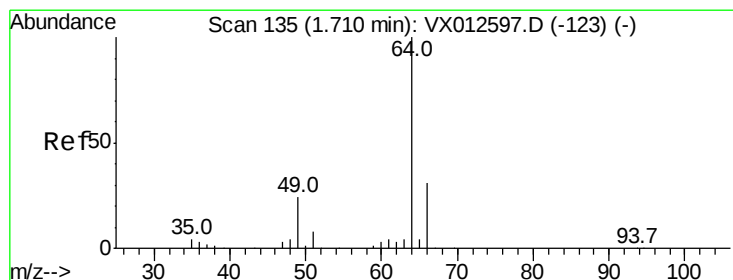
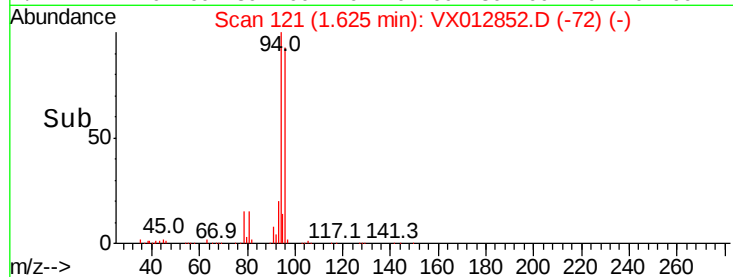
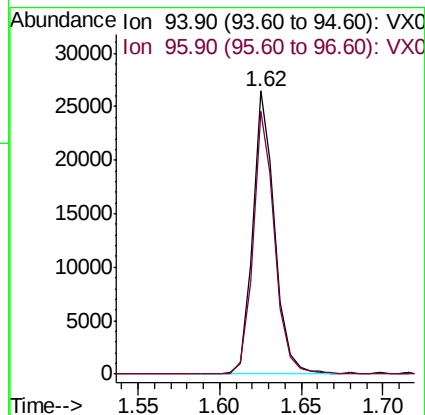
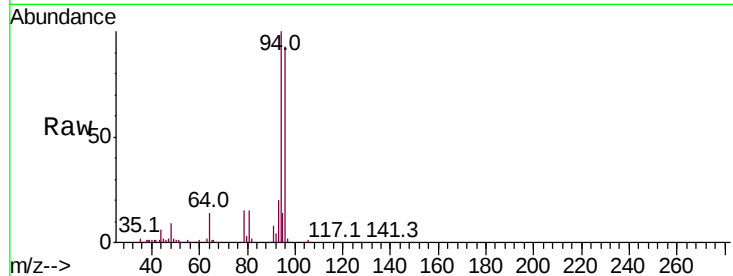
MW-103IMS

Tot Ion: 94 Resp: 24774

Ion Ratio Lower Upper

94 100

96 93.0 72.8 109.2



#6

Chloroethane

Concen: 47.219 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012852.D

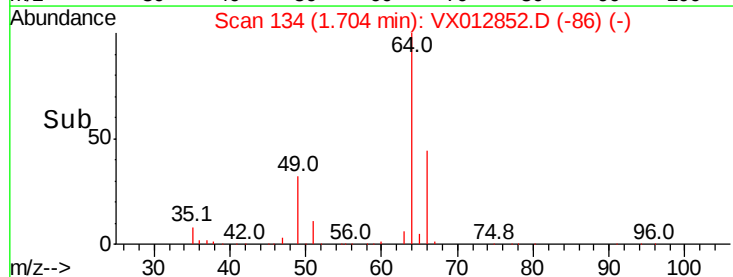
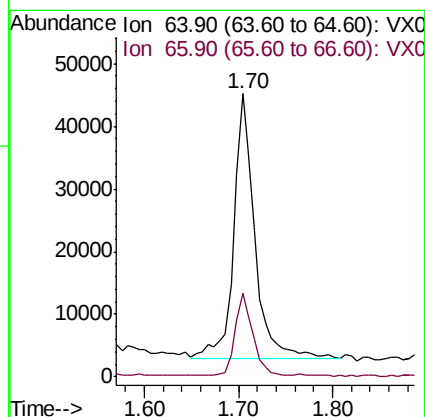
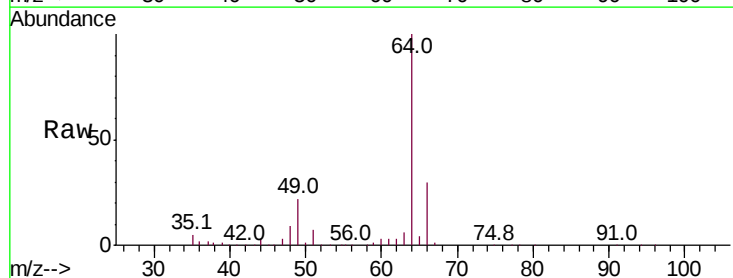
Acq: 07 Oct 2019 20:40

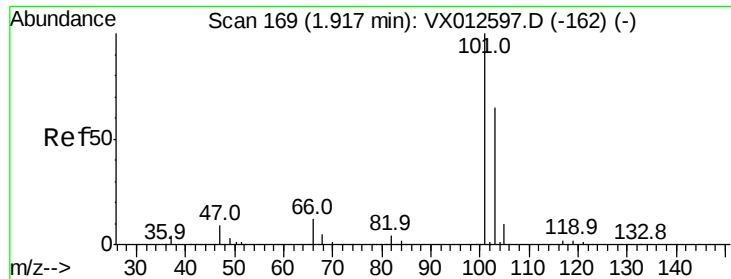
Tgt Ion: 64 Resp: 65062

Ion Ratio Lower Upper

64 100

66 31.1 24.0 36.0



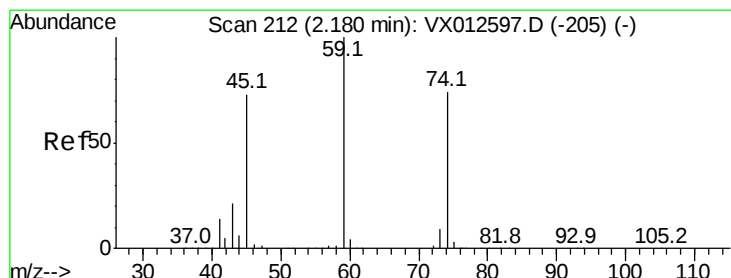
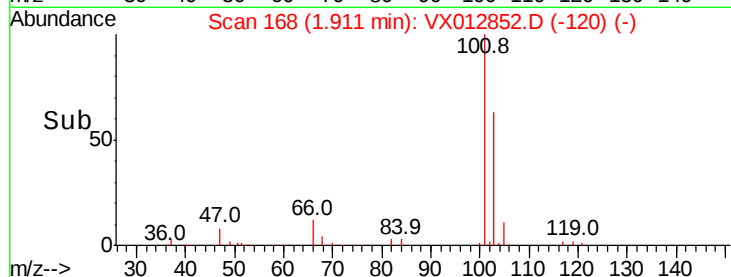
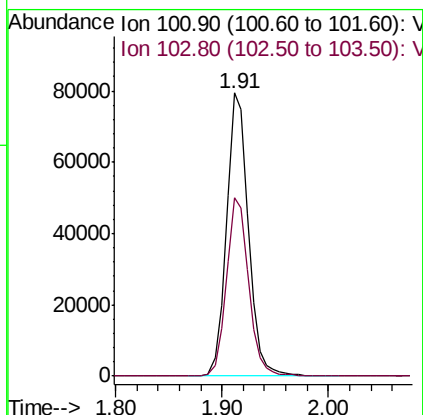
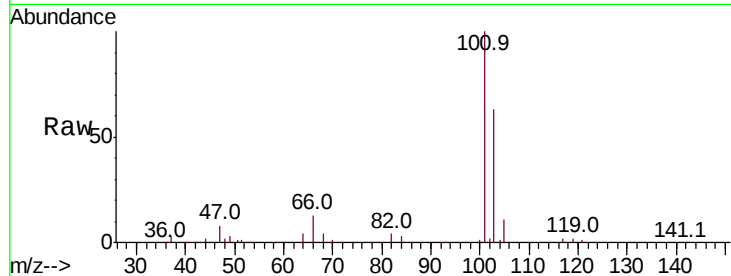


#7

Trichlorofluoromethane
 Concen: 39.876 ug/l
 RT: 1.91 min Scan# 168
 Delta R.T. -0.01 min
 Lab File: VX012852.D
 Acq: 07 Oct 2019 20:40

Instrument :
 MSVOA_X
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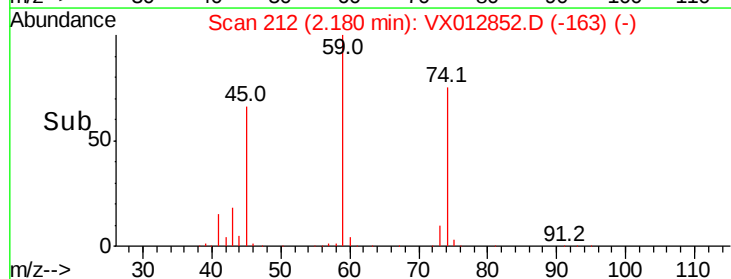
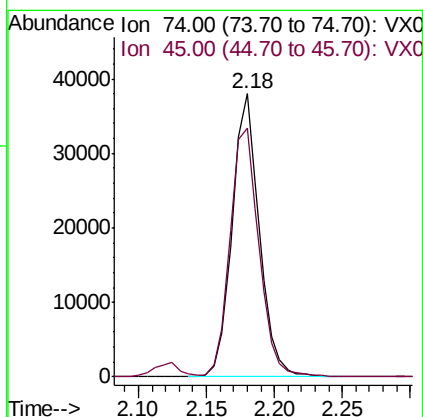
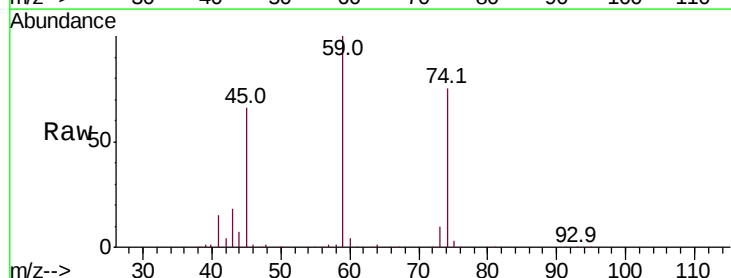
Tot Ion:101 Resp: 114433
 Ion Ratio Lower Upper
 101 100
 103 63.1 51.0 76.4

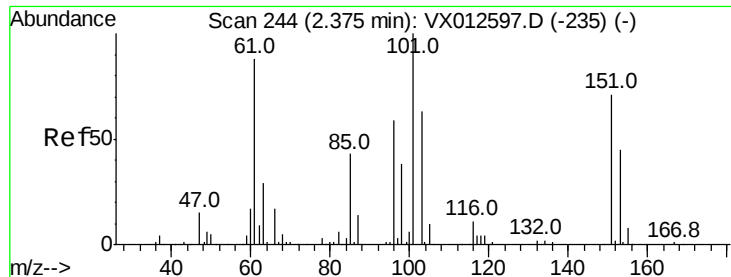


#8

Diethyl Ether
 Concen: 44.728 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX012852.D
 Acq: 07 Oct 2019 20:40

Tgt Ion: 74 Resp: 52601
 Ion Ratio Lower Upper
 74 100
 45 94.5 49.9 149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 40.386 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

MW-103IMS

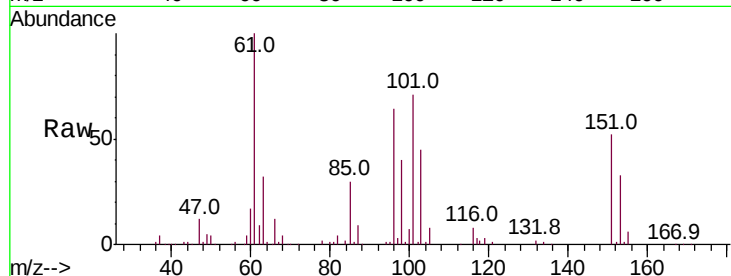
Tot Ion:101 Resp: 70589

Ion Ratio Lower Upper

101 100

85 44.1 37.3 55.9

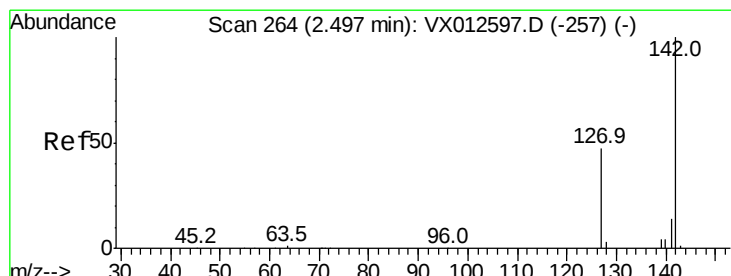
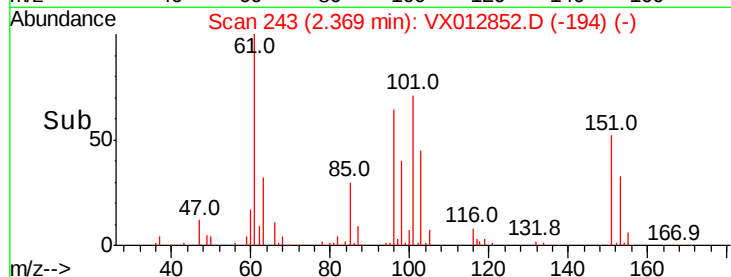
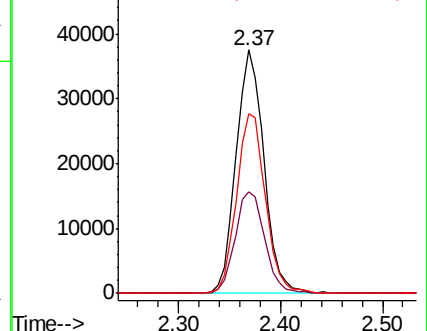
151 76.6 61.0 91.4



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: 36.063 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

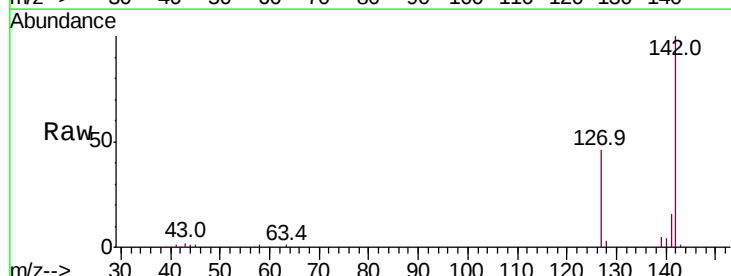
Tgt Ion:142 Resp: 63583

Ion Ratio Lower Upper

142 100

127 44.5 40.8 61.2

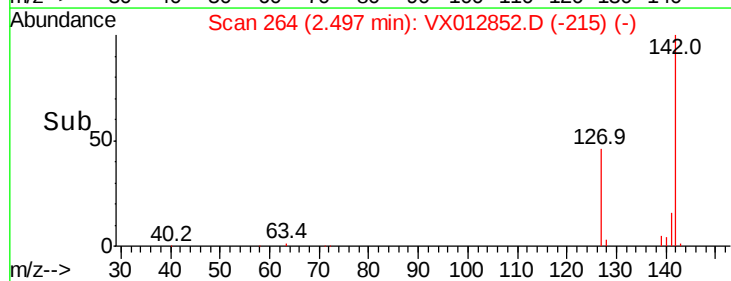
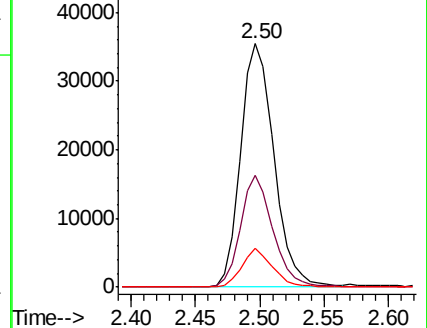
141 14.7 12.1 18.1

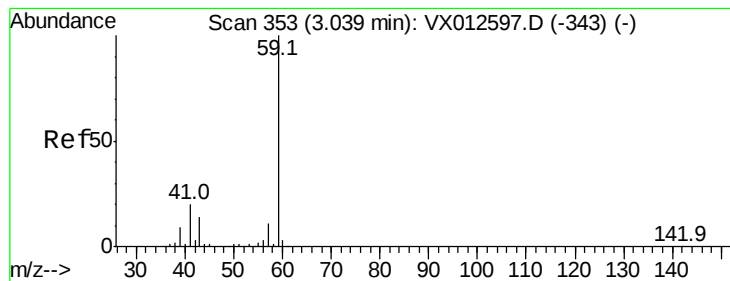


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



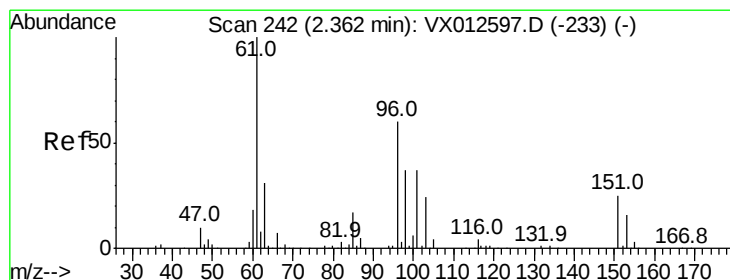
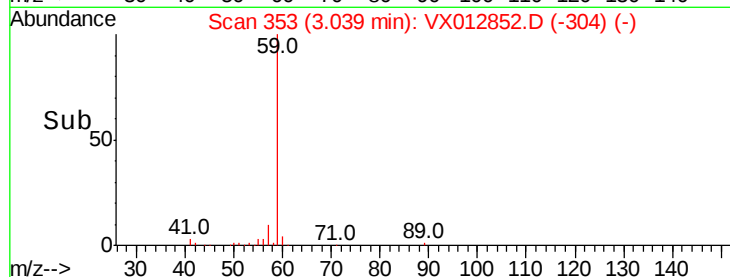
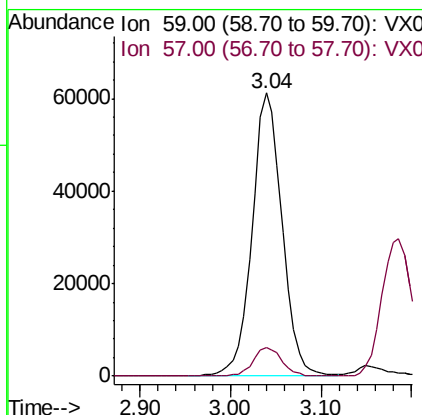
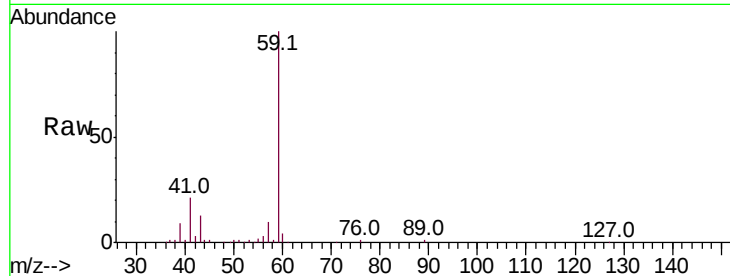


#11

Tert butyl alcohol
Concen: 242.207 ug/l
RT: 3.04 min Scan# 353
Delta R.T. 0.00 min
Lab File: VX012852.D
Acq: 07 Oct 2019 20:40

Instrument :
MSVOA_X
ClientSampled :
MW-103IMS

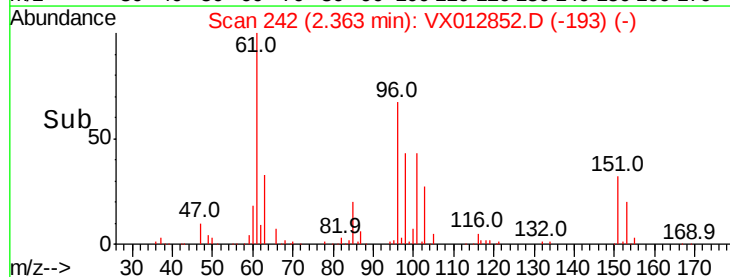
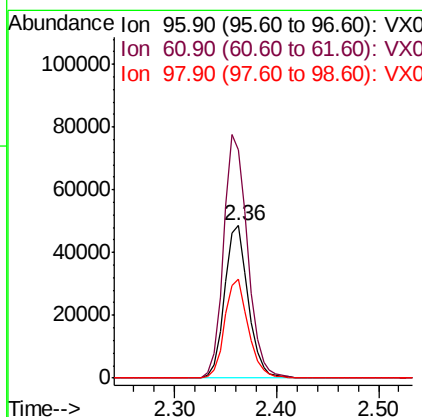
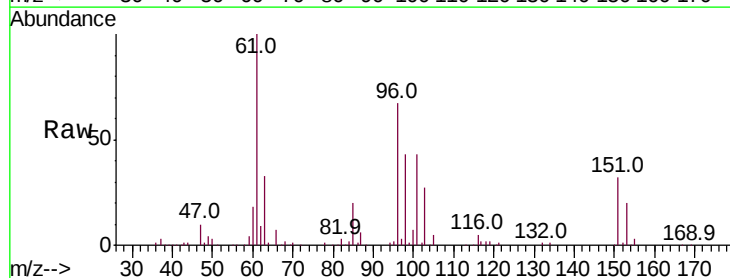
Tot Ion: 59 Resp: 140253
Ion Ratio Lower Upper
59 100
57 9.7 8.3 12.5

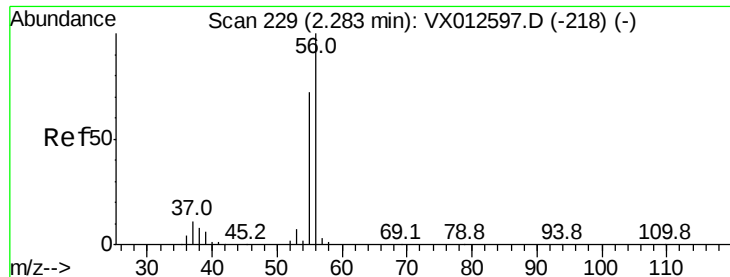


#12

1,1-Dichloroethene
Concen: 45.644 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX012852.D
Acq: 07 Oct 2019 20:40

Tgt Ion: 96 Resp: 78120
Ion Ratio Lower Upper
96 100
61 149.4 133.8 200.6
98 64.8 49.9 74.9





#13

Acrolein

Concen: 213.923 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

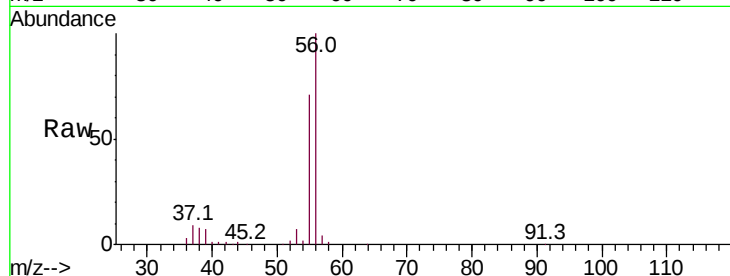
MW-103IMS

Tot Ion: 56 Resp: 68509

Ion Ratio Lower Upper

56 100

55 71.3 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.28

40000

30000

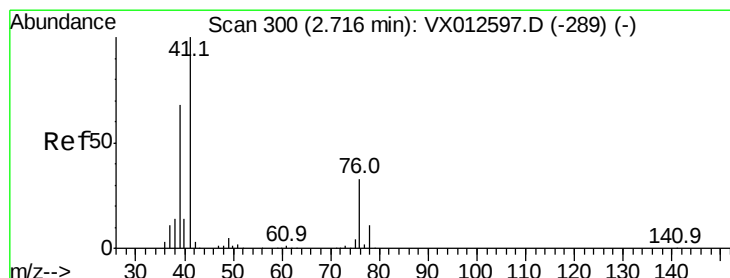
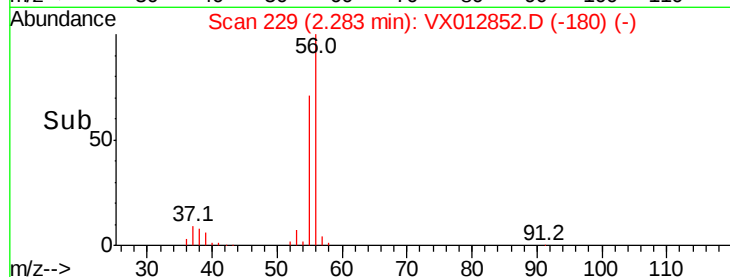
20000

10000

0

Time-->

2.20 2.30 2.40



#14

Allyl chloride

Concen: 43.649 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

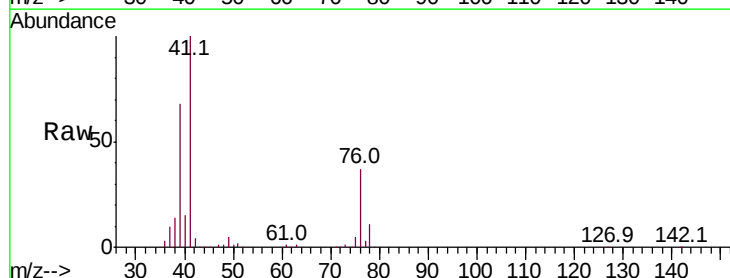
Tgt Ion: 41 Resp: 148216

Ion Ratio Lower Upper

41 100

39 62.7 51.3 76.9

76 35.4 22.6 33.8#



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

80000

60000

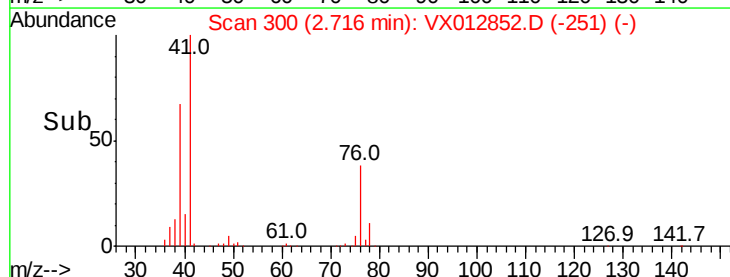
40000

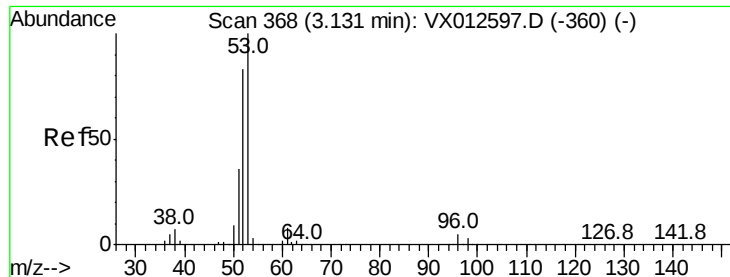
20000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 242.114 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

Instrument :

MSVOA_X

ClientSampled :

MW-103IMS

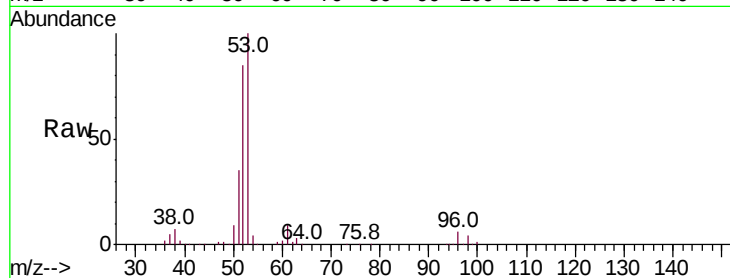
Tot Ion: 53 Resp: 284434

Ion Ratio Lower Upper

53 100

52 83.1 67.0 100.4

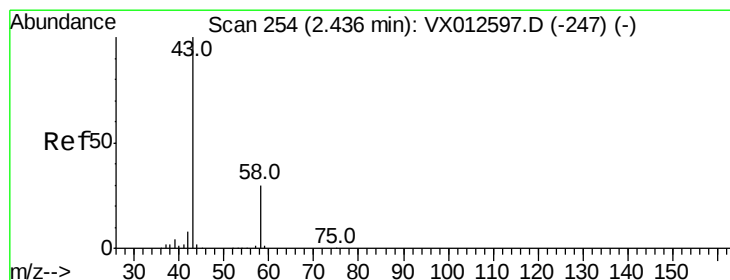
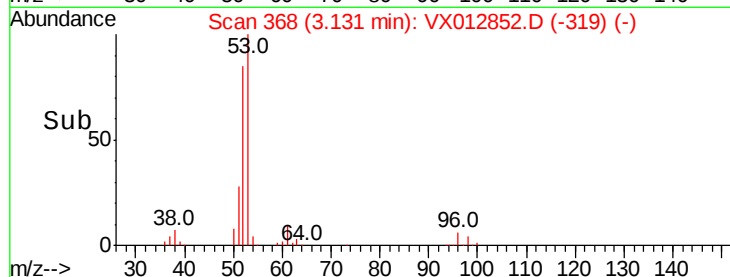
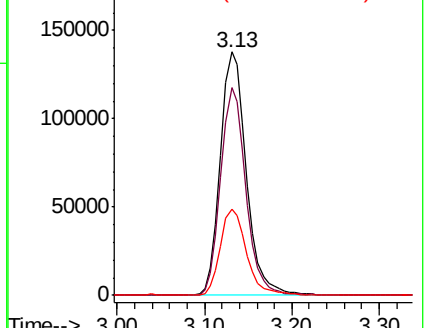
51 36.0 29.6 44.4



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: 196.508 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012852.D

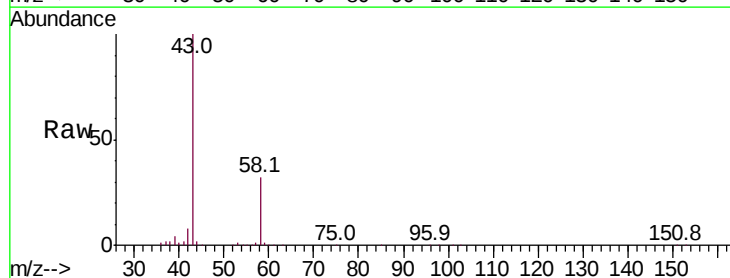
Acq: 07 Oct 2019 20:40

Tgt Ion: 43 Resp: 241277

Ion Ratio Lower Upper

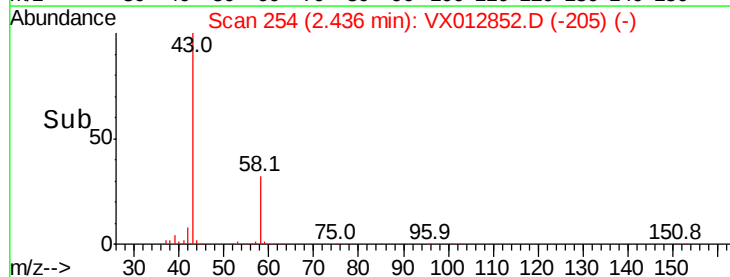
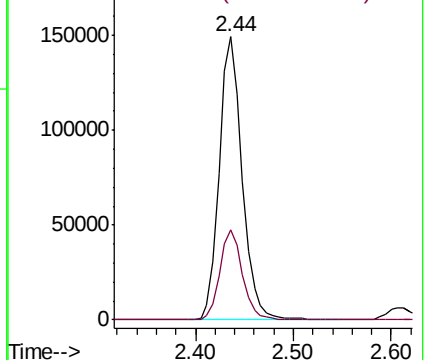
43 100

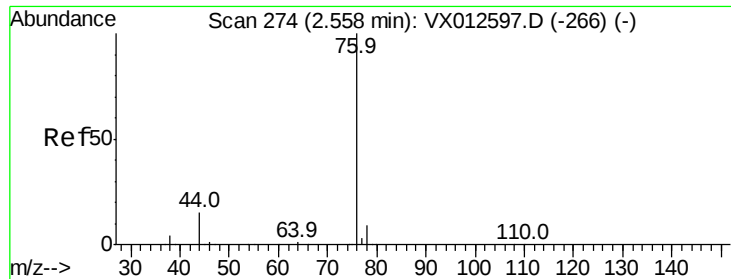
58 31.9 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

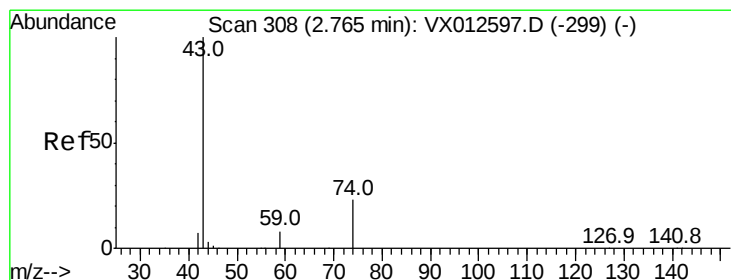
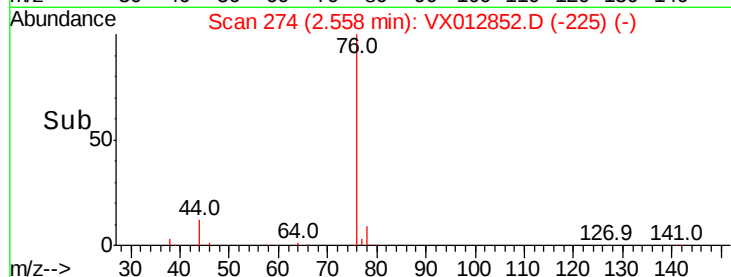
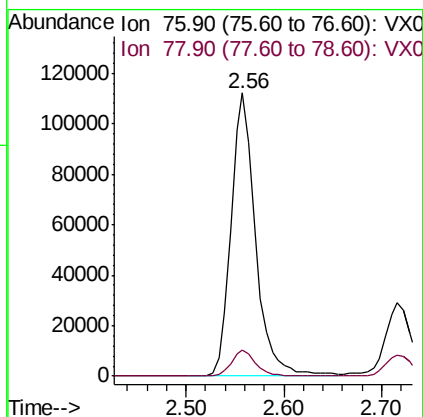
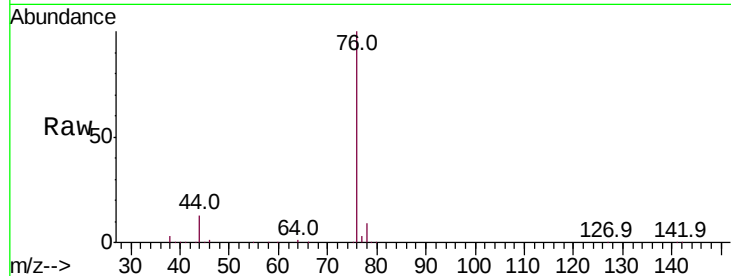




#17
Carbon Disulfide
Concen: 40.644 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX012852.D
Acq: 07 Oct 2019 20:40

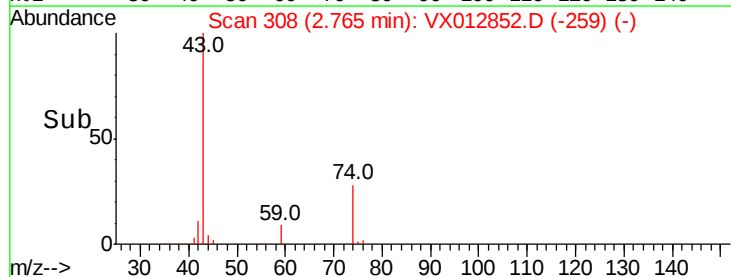
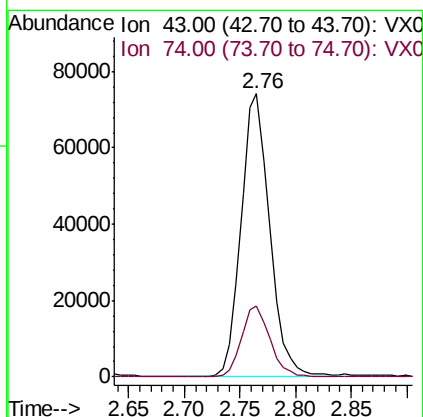
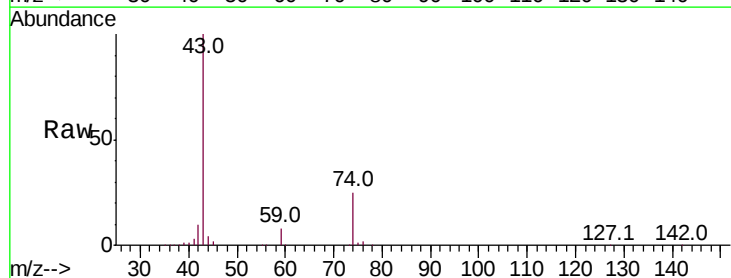
Instrument :
MSVOA_X
ClientSampled :
MW-103IMS

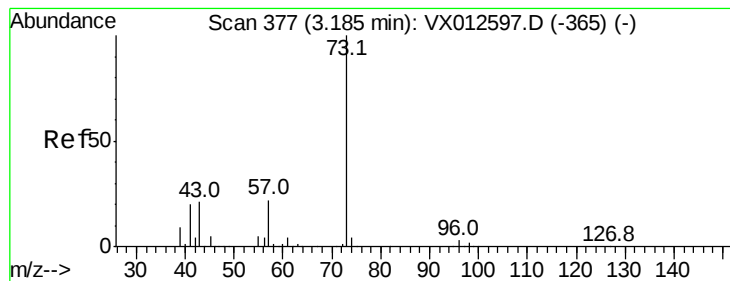
Tot Ion: 76 Resp: 195016
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9



#18
Methyl Acetate
Concen: 46.059 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX012852.D
Acq: 07 Oct 2019 20:40

Tgt Ion: 43 Resp: 133161
Ion Ratio Lower Upper
43 100
74 25.0 17.7 26.5



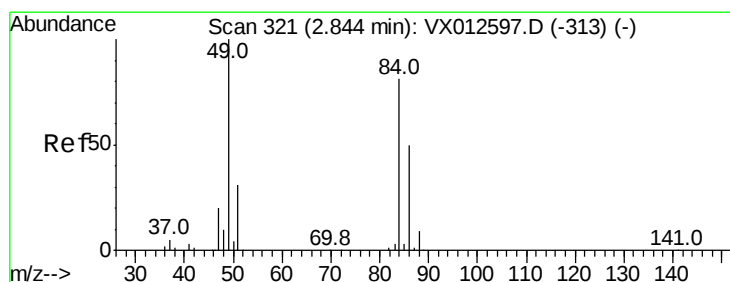
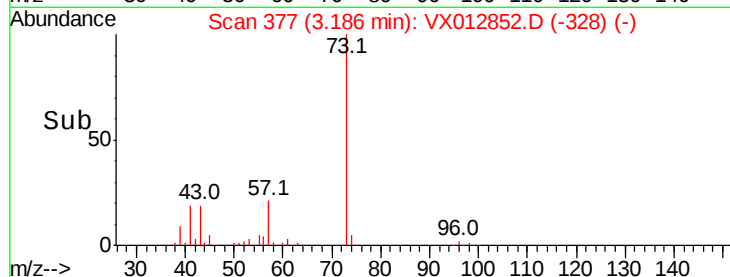
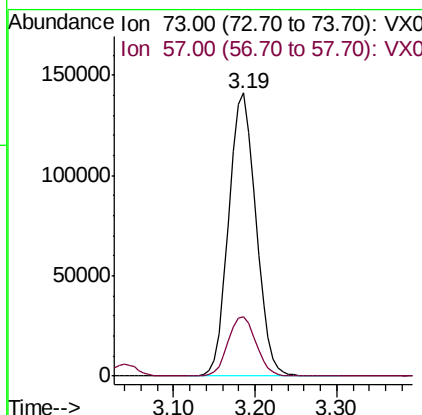
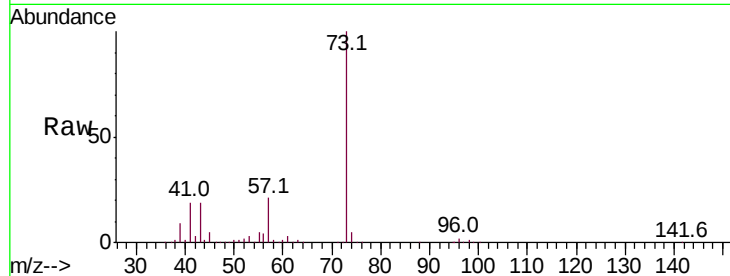


#19

Methyl tert-butyl Ether
 Concen: 50.263 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. 0.00 min
 Lab File: VX012852.D
 Acq: 07 Oct 2019 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-103IMS

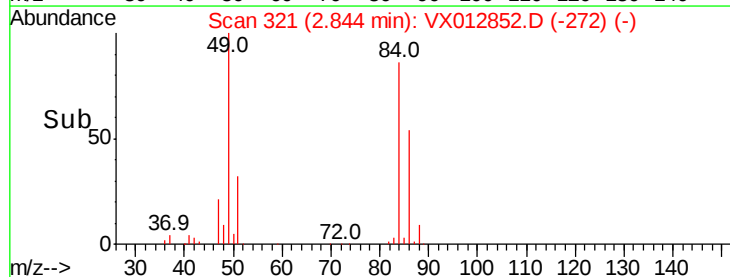
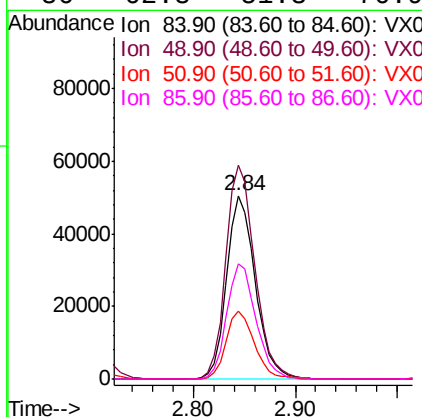
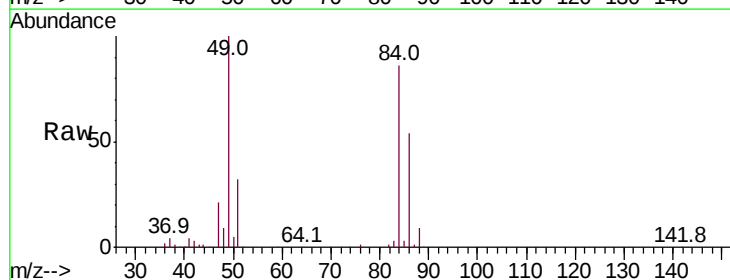
Tot Ion: 73 Resp: 325618
 Ion Ratio Lower Upper
 73 100
 57 21.1 16.8 25.2

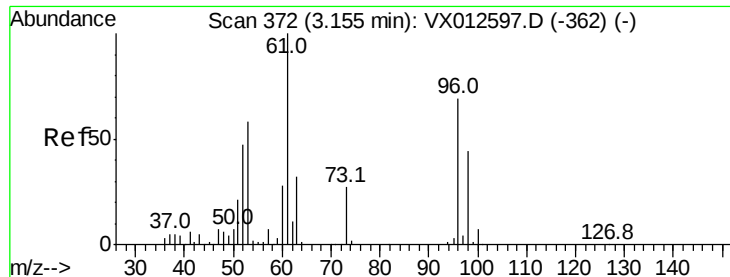


#20

Methylene Chloride
 Concen: 47.264 ug/l
 RT: 2.84 min Scan# 321
 Delta R.T. 0.00 min
 Lab File: VX012852.D
 Acq: 07 Oct 2019 20:40

Tgt Ion: 84 Resp: 98153
 Ion Ratio Lower Upper
 84 100
 49 116.4 106.8 160.2
 51 36.9 32.3 48.5
 86 62.8 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 45.560 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

Instrument :

MSVOA_X

ClientSampled :

MW-103IMS

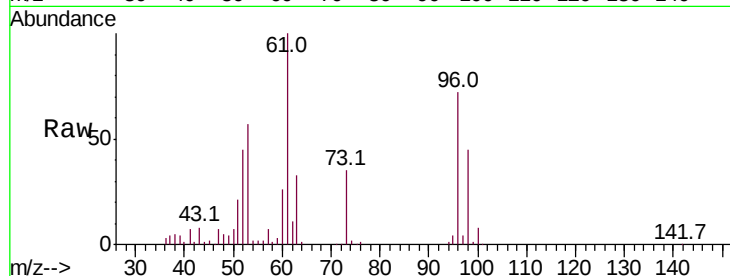
Tot Ion: 96 Resp: 86388

Ion Ratio Lower Upper

96 100

61 138.3 112.0 168.0

98 62.3 47.8 71.8

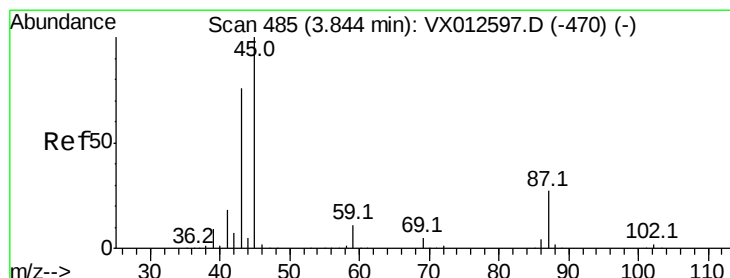
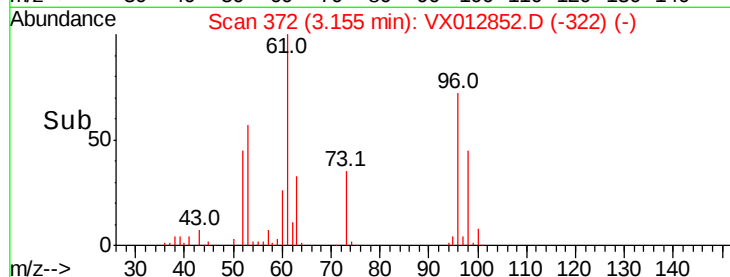
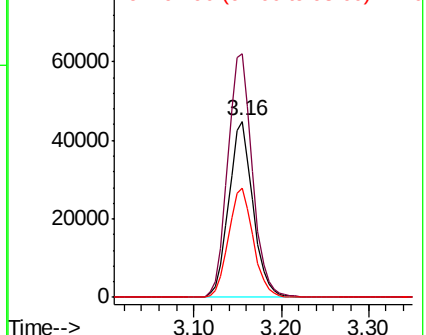


Abundance

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: 47.867 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

Tgt Ion: 45 Resp: 314069

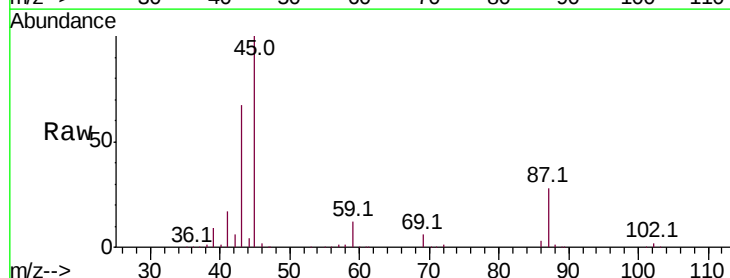
Ion Ratio Lower Upper

45 100

43 67.3 57.8 86.8

87 28.2 21.3 31.9

59 11.5 8.5 12.7



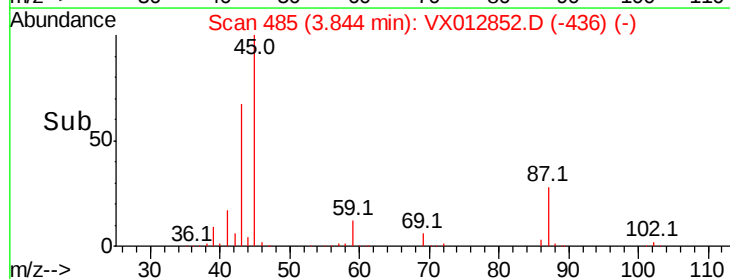
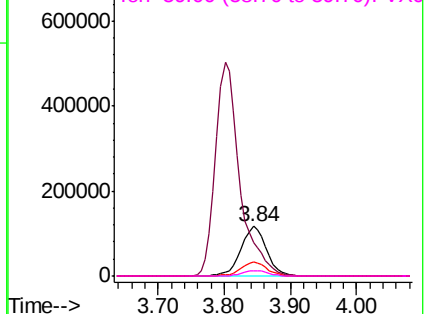
Abundance

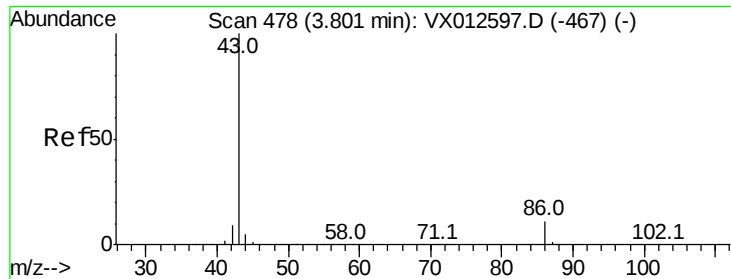
Ion 45.00 (44.70 to 45.70): VX0

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: 223.126 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

Instrument :

MSVOA_X

ClientSampled :

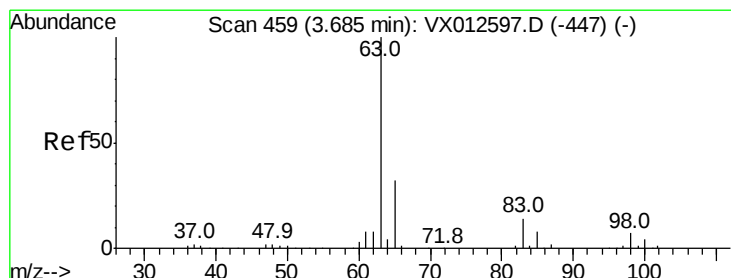
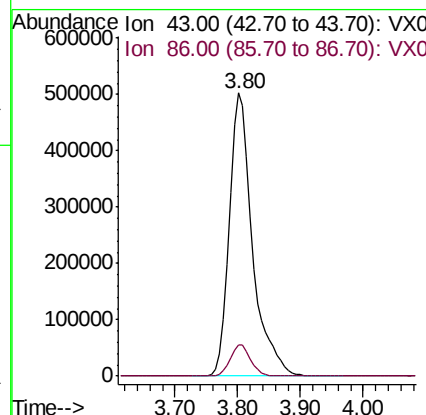
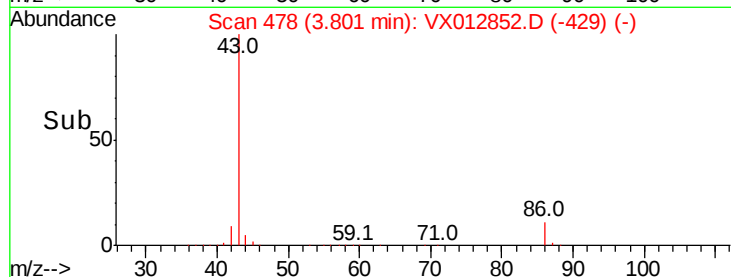
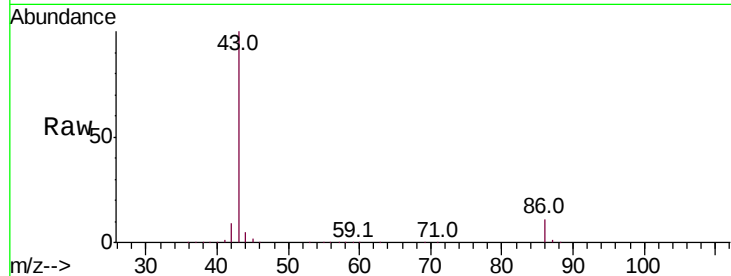
MW-103IMS

Tot Ion: 43 Resp: 1283862

Ion Ratio Lower Upper

43 100

86 10.9 7.8 11.8



#24

1,1-Dichloroethane

Concen: 53.687 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

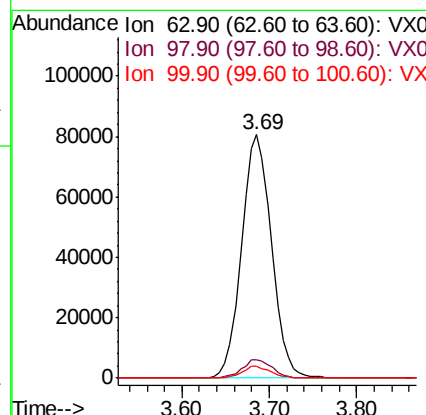
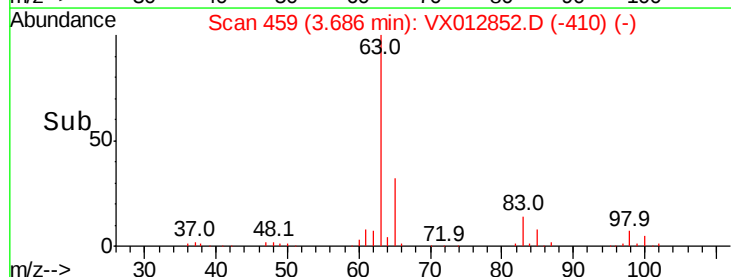
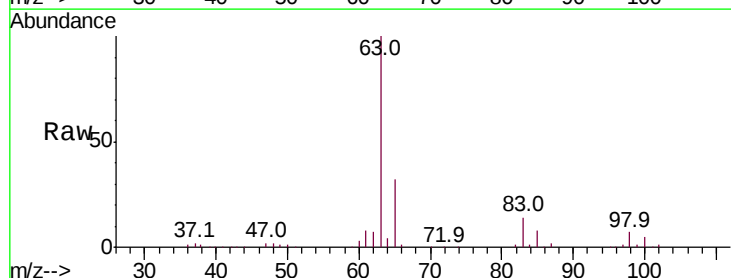
Tgt Ion: 63 Resp: 191478

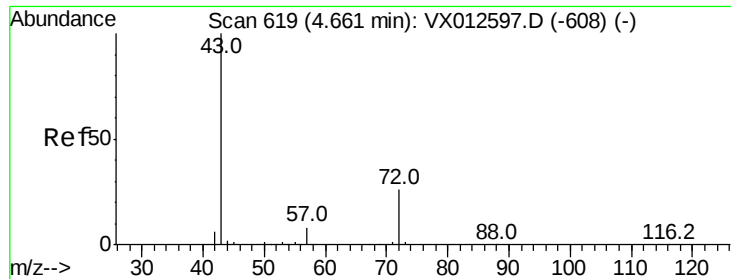
Ion Ratio Lower Upper

63 100

98 7.4 3.9 11.7

100 4.7 2.3 6.9





#25

2-Butanone

Concen: 227.022 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

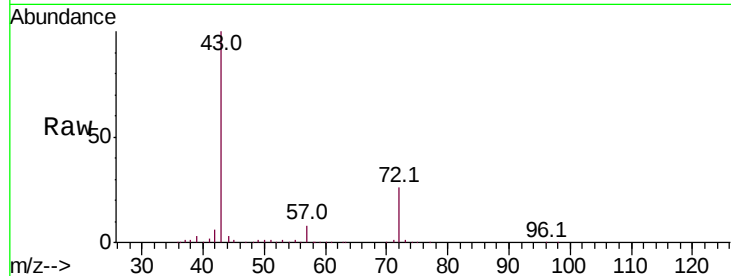
MW-103IMS

Tot Ion: 43 Resp: 399675

Ion Ratio Lower Upper

43 100

72 26.2 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

100000

50000

0

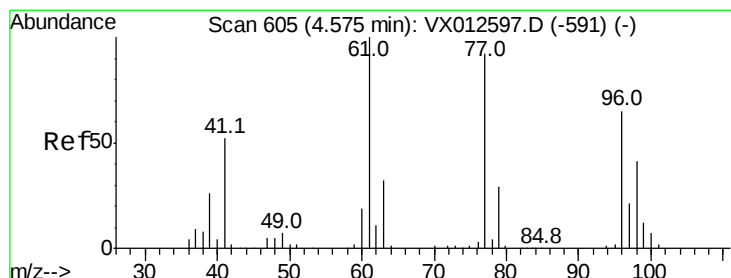
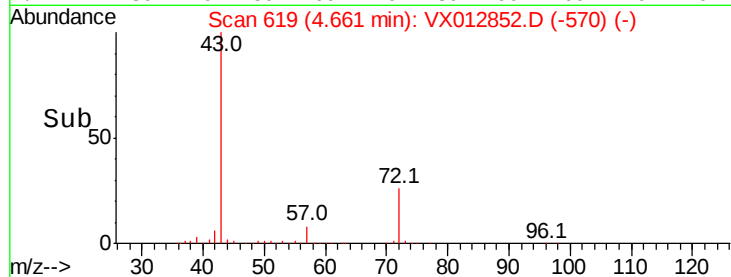
4.66

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 38.140 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012852.D

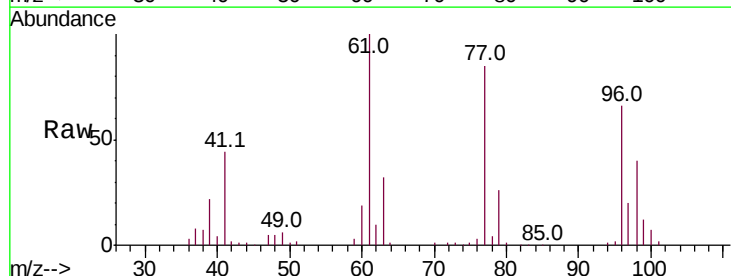
Acq: 07 Oct 2019 20:40

Tgt Ion: 77 Resp: 120985

Ion Ratio Lower Upper

77 100

97 23.9 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

20000

10000

0

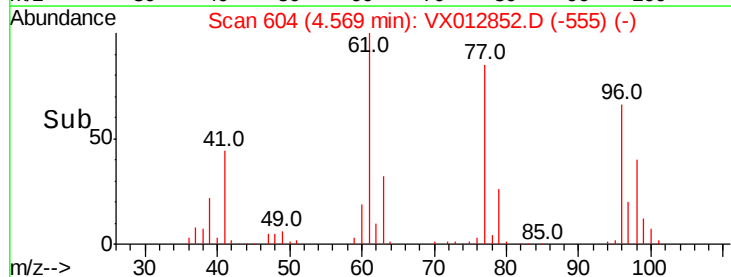
4.57

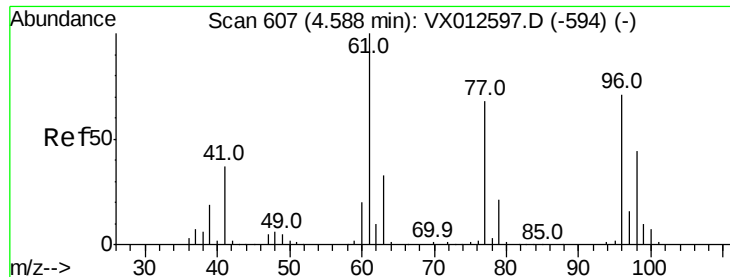
4.50

4.60

4.70

Time-->



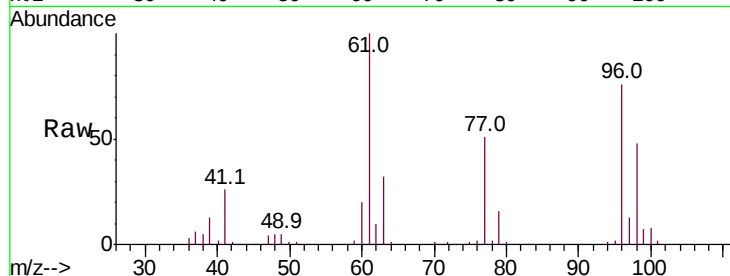


#27

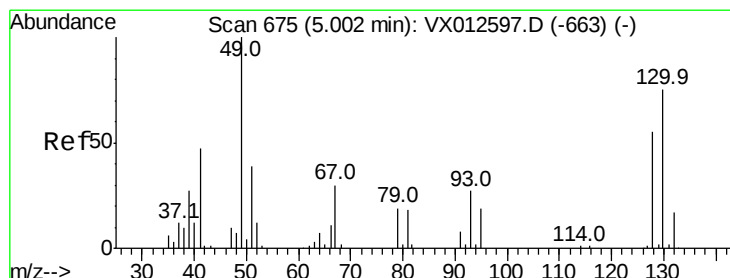
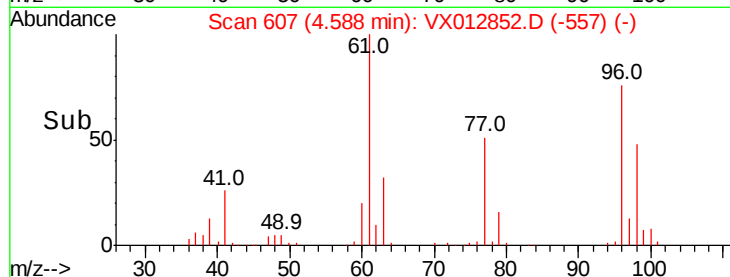
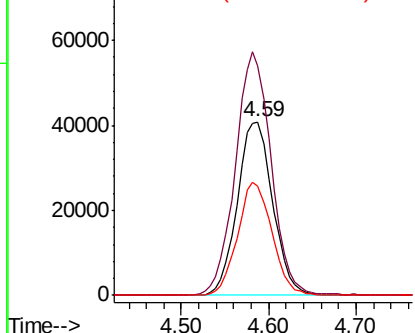
cis-1,2-Dichloroethene
 Concen: 52.241 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VX012852.D
 Acq: 07 Oct 2019 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-103IMS

Tot Ion: 96 Resp: 114935
 Ion Ratio Lower Upper
 96 100
 61 141.9 0.0 319.4
 98 63.5 0.0 130.6



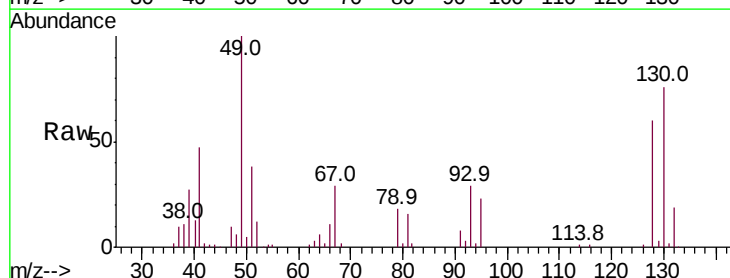
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



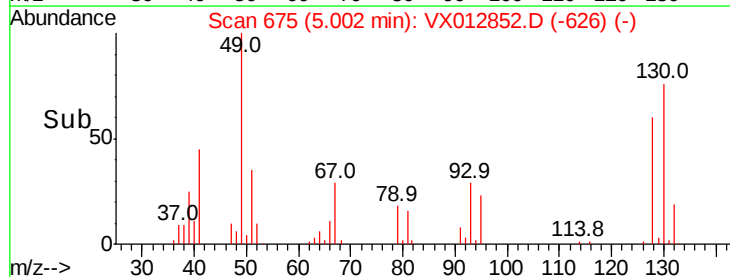
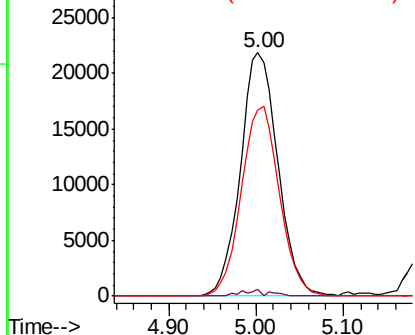
#28

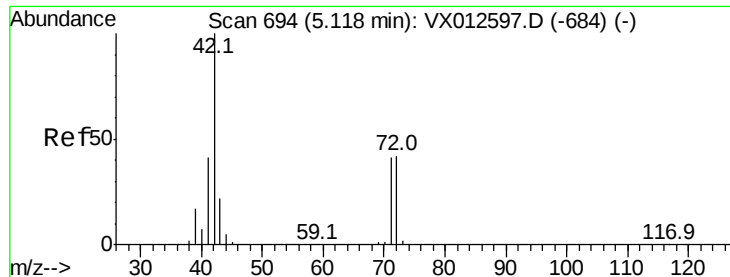
Bromochloromethane
 Concen: 50.414 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VX012852.D
 Acq: 07 Oct 2019 20:40

Tgt Ion: 49 Resp: 65287
 Ion Ratio Lower Upper
 49 100
 129 1.3 0.0 3.8
 130 0.0 58.2 87.4#



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: 239.022 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.01 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

Instrument :

MSVOA_X

ClientSampled :

MW-103IMS

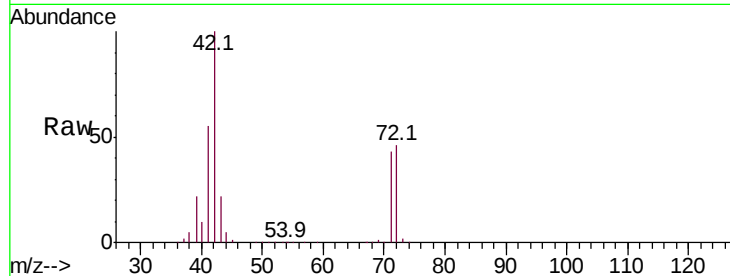
Tot Ion: 42 Resp: 256480

Ion Ratio Lower Upper

42 100

72 46.2 34.0 51.0

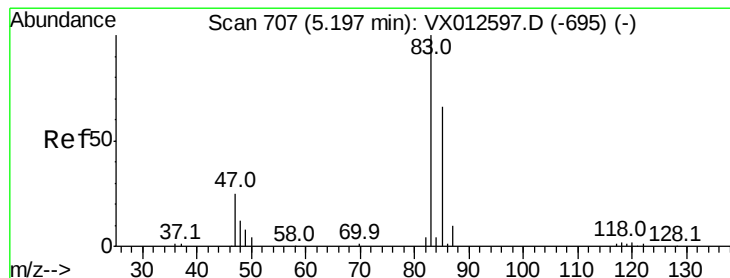
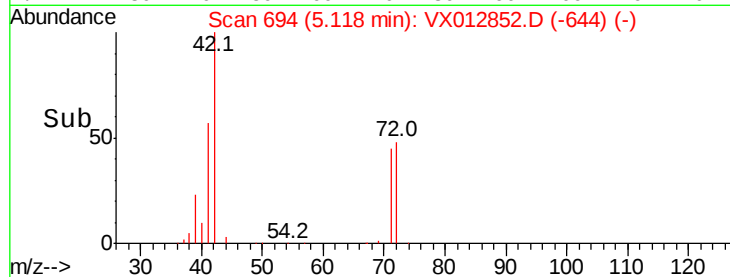
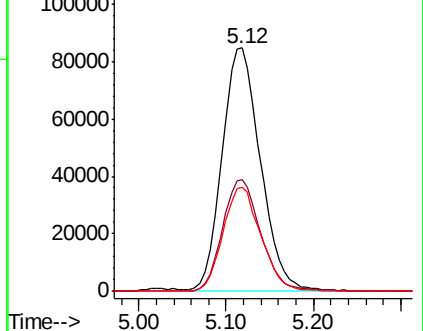
71 42.7 31.5 47.3



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: 47.583 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.01 min

Lab File: VX012852.D

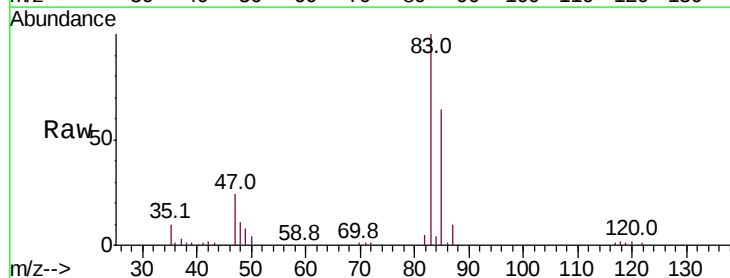
Acq: 07 Oct 2019 20:40

Tgt Ion: 83 Resp: 173627

Ion Ratio Lower Upper

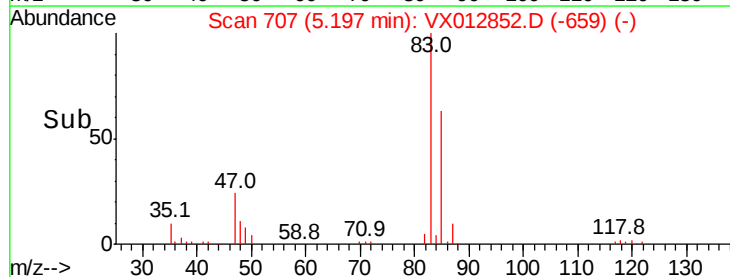
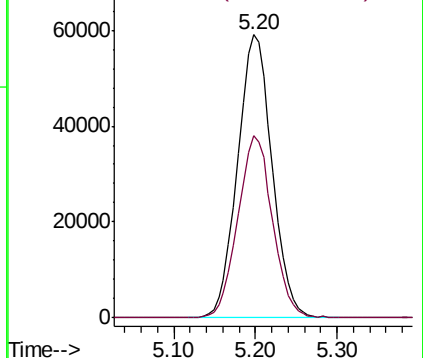
83 100

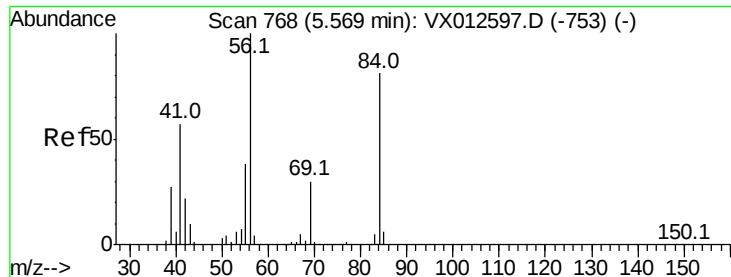
85 64.4 53.0 79.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 39.537 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

MW-103IMS

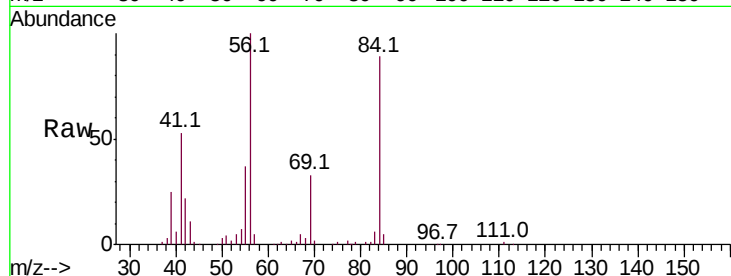
Tot Ion: 56 Resp: 127569

Ion Ratio Lower Upper

56 100

69 32.8 25.0 37.6

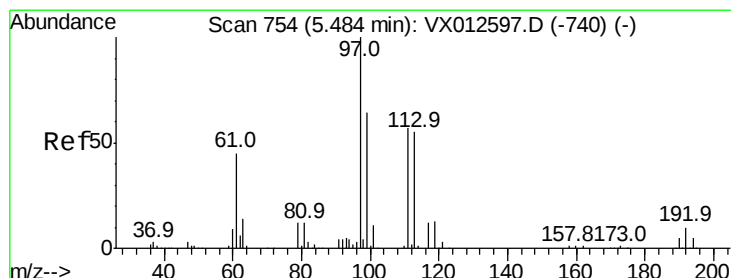
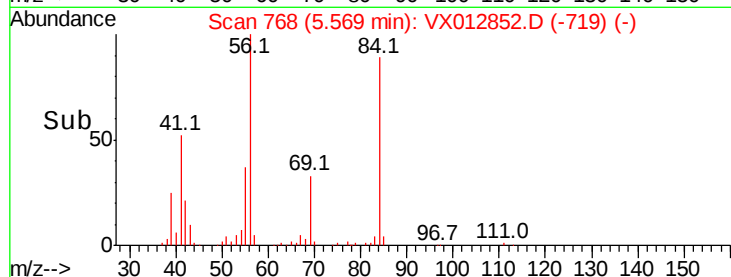
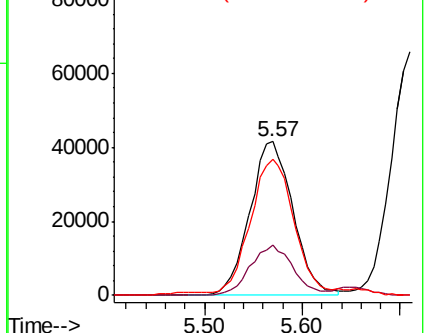
84 86.6 66.4 99.6



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: 45.452 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

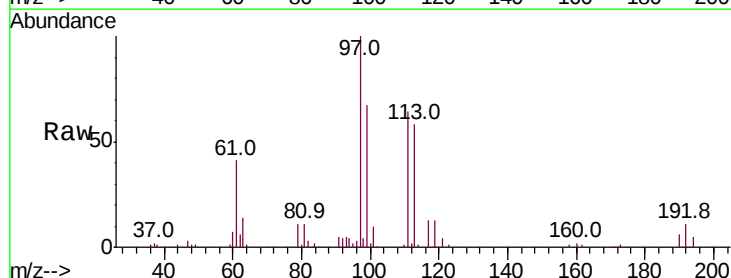
Tgt Ion: 97 Resp: 146990

Ion Ratio Lower Upper

97 100

99 64.6 51.3 76.9

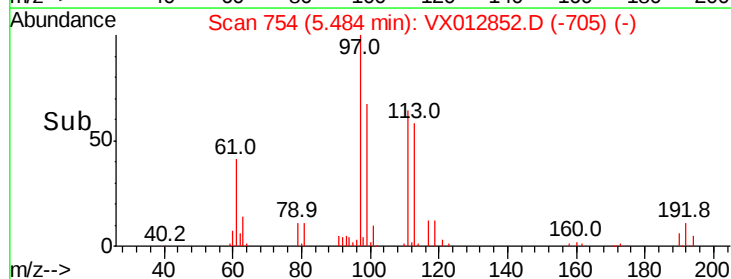
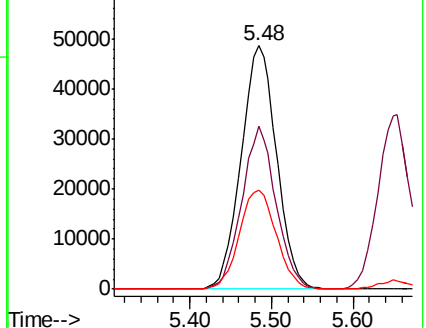
61 42.6 36.1 54.1

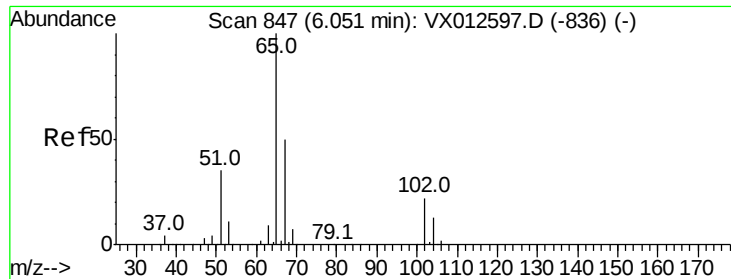


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.084 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

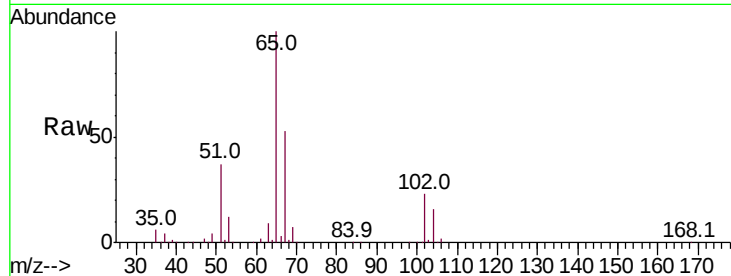
MW-103IMS

Tot Ion: 65 Resp: 111461

Ion Ratio Lower Upper

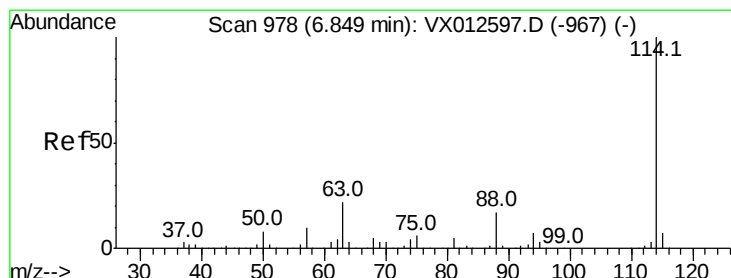
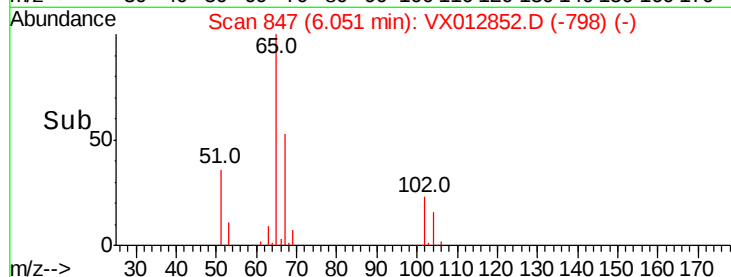
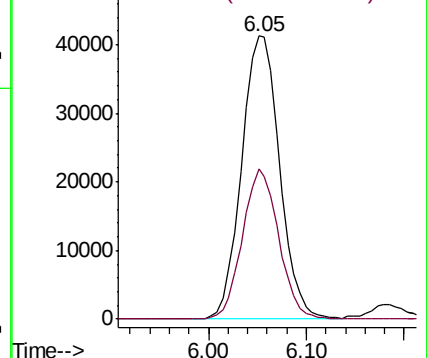
65 100

67 50.6 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

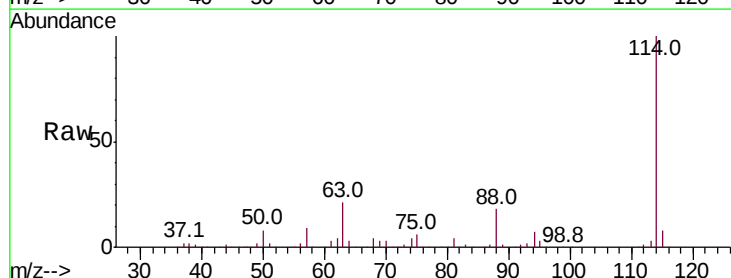
Tgt Ion: 114 Resp: 279905

Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.2

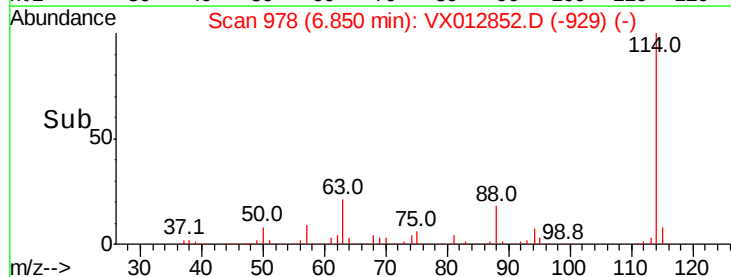
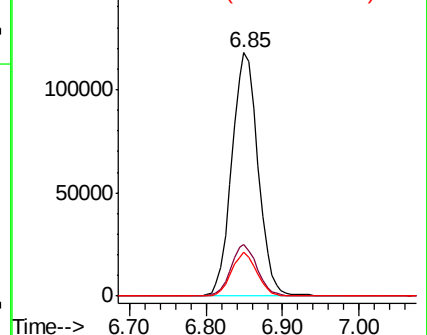
88 17.8 0.0 33.2

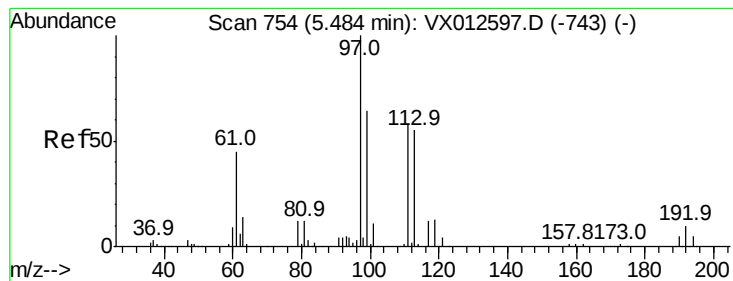


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 51.796 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

MW-103IMS

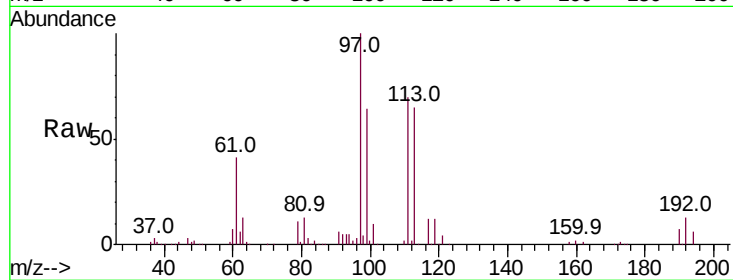
Tot Ion:113 Resp: 86341

Ion Ratio Lower Upper

113 100

111 104.3 83.4 125.2

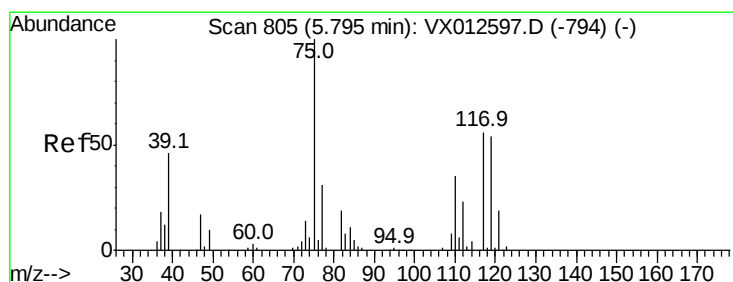
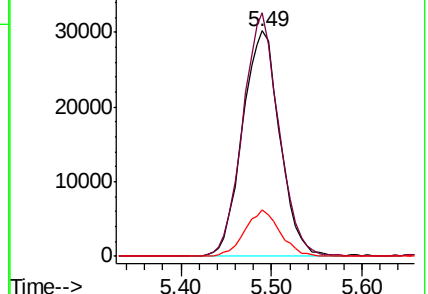
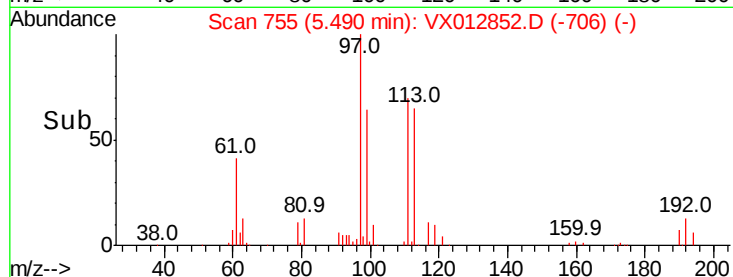
192 19.5 14.4 21.6



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: 44.549 ug/l

RT: 5.79 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

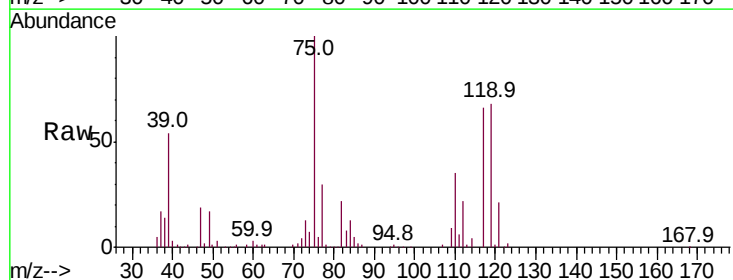
Tgt Ion: 75 Resp: 120192

Ion Ratio Lower Upper

75 100

110 34.9 16.7 50.0

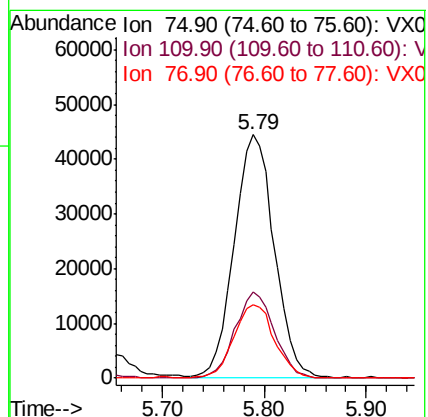
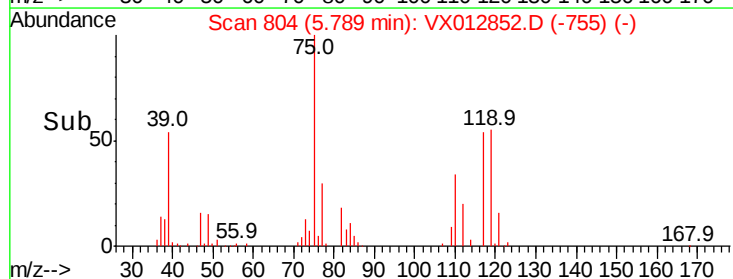
77 30.8 24.2 36.2

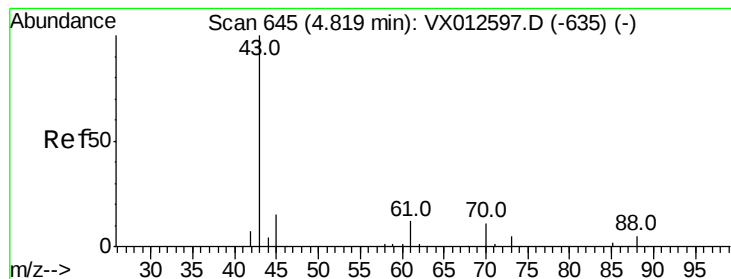


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 45.897 ug/l

RT: 4.82 min Scan# 645

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

MW-103IMS

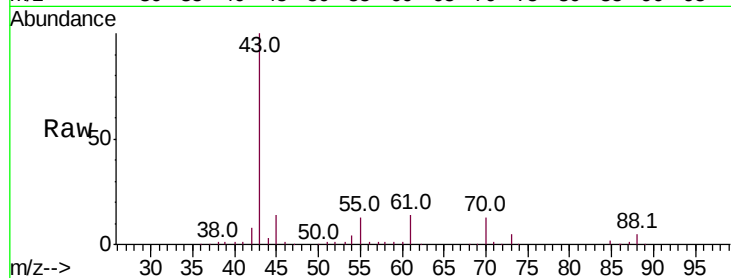
Tot Ion: 43 Resp: 144770

Ion Ratio Lower Upper

43 100

61 14.6 10.2 15.4

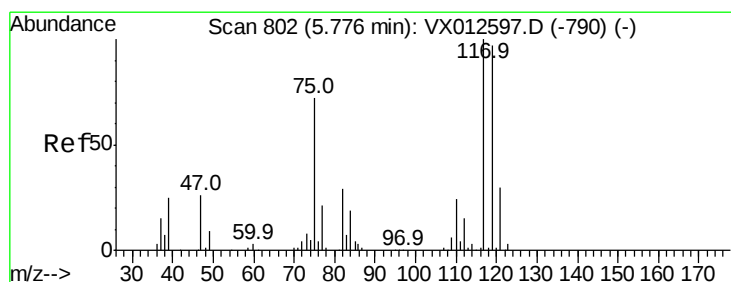
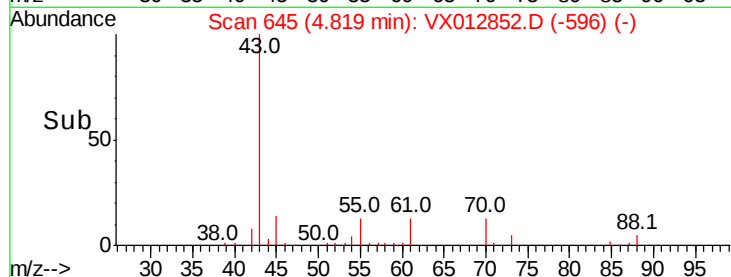
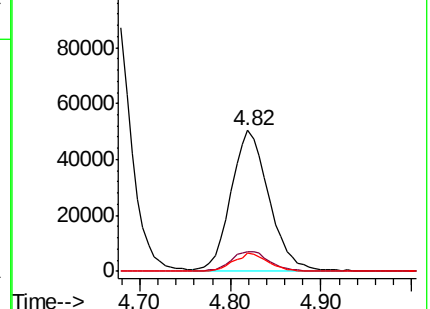
70 11.9 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VX012597.D (-635) (-)

Ion 60.90 (60.60 to 61.60): VX012597.D (-635) (-)

Ion 70.00 (69.70 to 70.70): VX012597.D (-635) (-)



#38

Carbon Tetrachloride

Concen: 42.755 ug/l

RT: 5.78 min Scan# 802

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

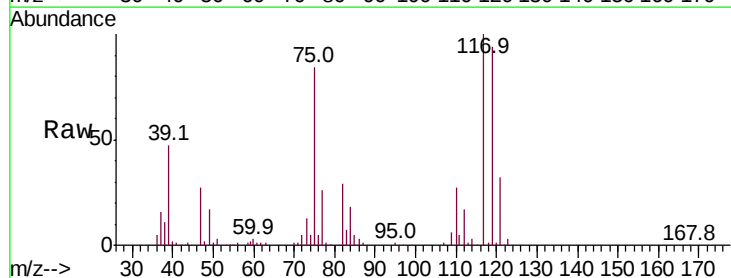
Tgt Ion: 117 Resp: 117177

Ion Ratio Lower Upper

117 100

119 93.6 75.7 113.5

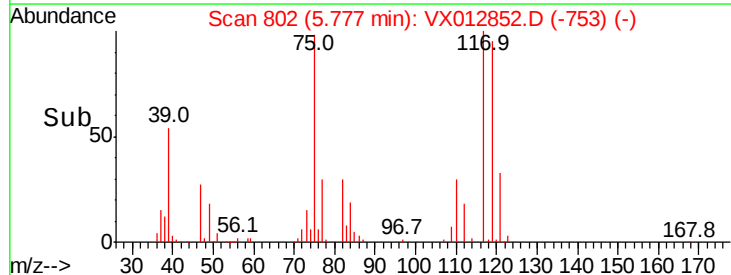
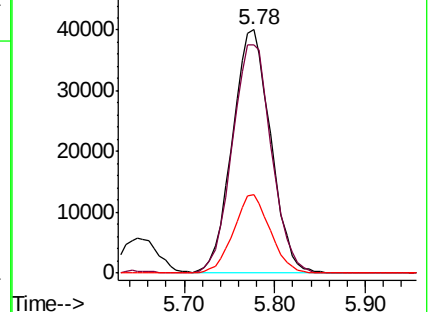
121 32.4 24.2 36.4

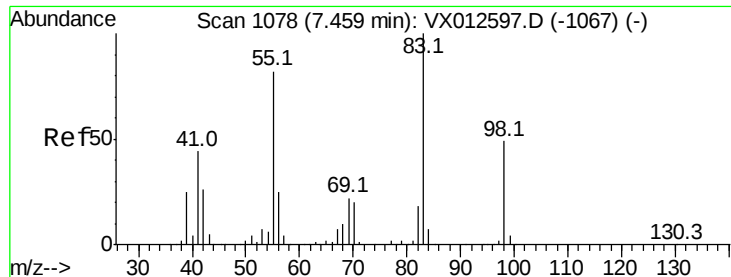


Abundance Ion 116.80 (116.50 to 117.50): VX012597.D (-790) (-)

Ion 118.80 (118.50 to 119.50): VX012597.D (-790) (-)

Ion 120.80 (120.50 to 121.50): VX012597.D (-790) (-)

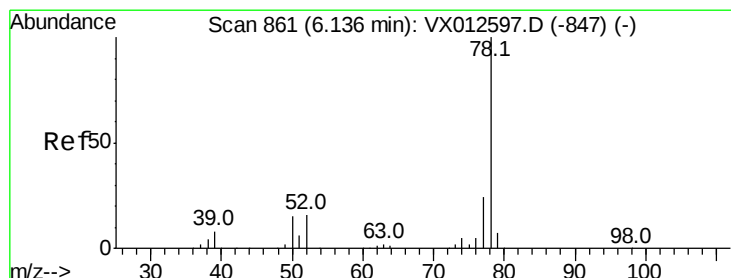
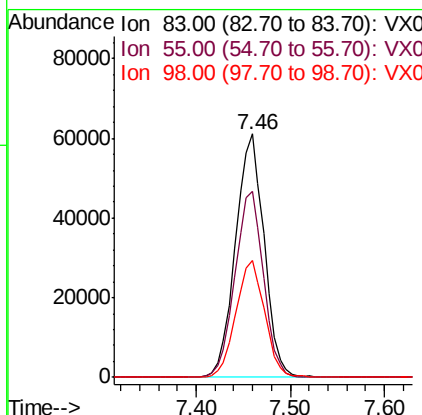
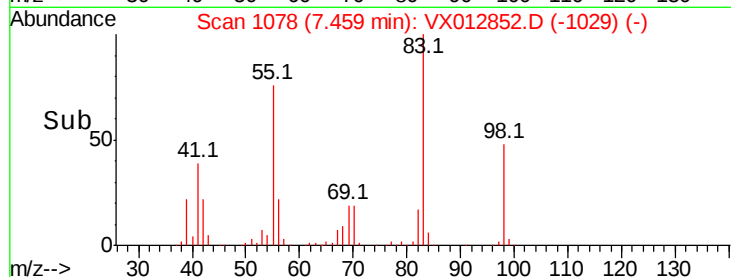
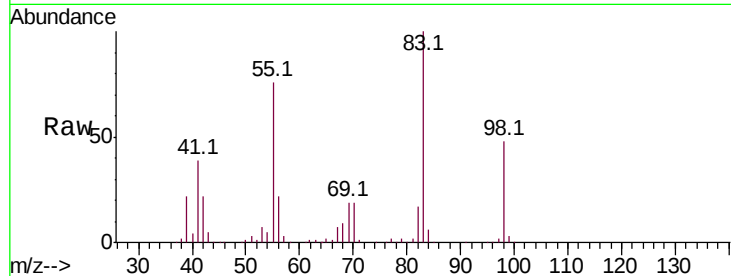




#39
Methvlcvclohexane
Concen: 39.750 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012852.D
Acq: 07 Oct 2019 20:40

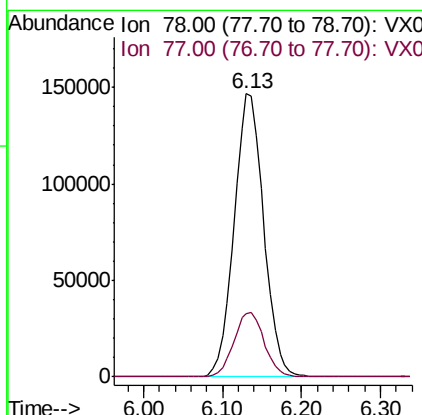
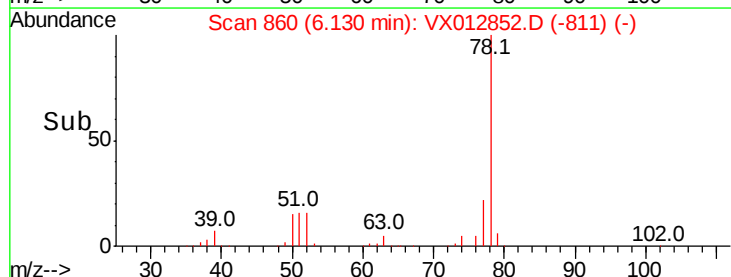
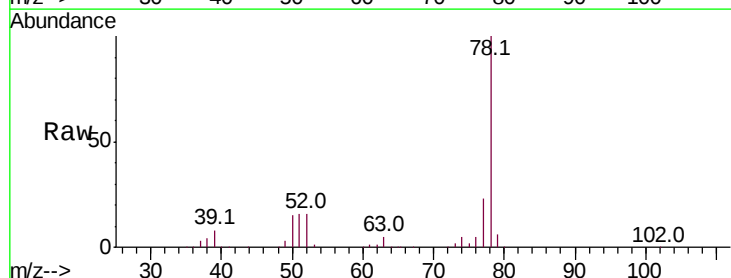
Instrument :
MSVOA_X
ClientSampleId :
MW-103IMS

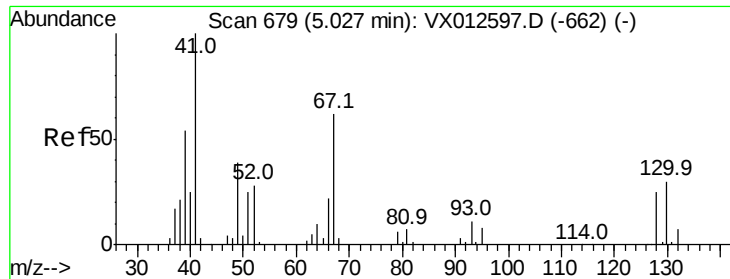
Tot Ion: 83 Resp: 129110
Ion Ratio Lower Upper
83 100
55 76.2 64.4 96.6
98 48.2 40.1 60.1



#40
Benzene
Concen: 48.086 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012852.D
Acq: 07 Oct 2019 20:40

Tgt Ion: 78 Resp: 381720
Ion Ratio Lower Upper
78 100
77 22.5 19.2 28.8

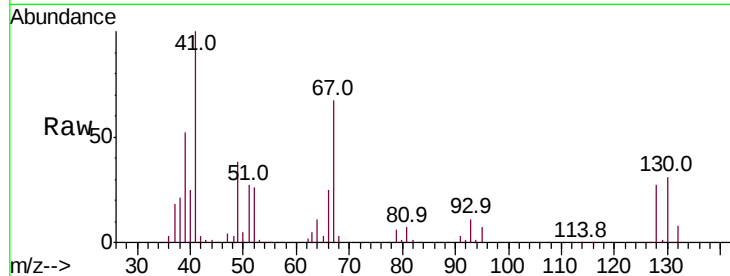




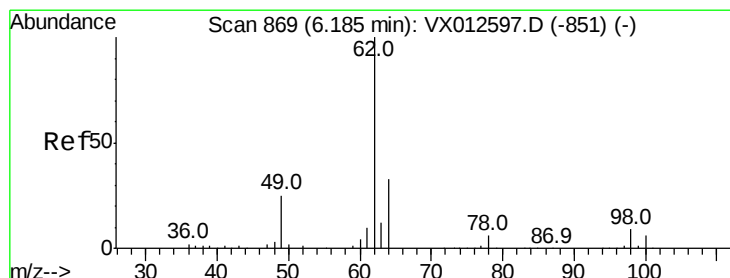
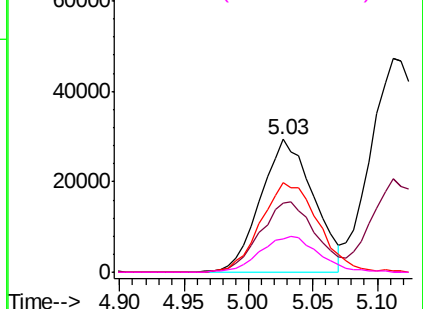
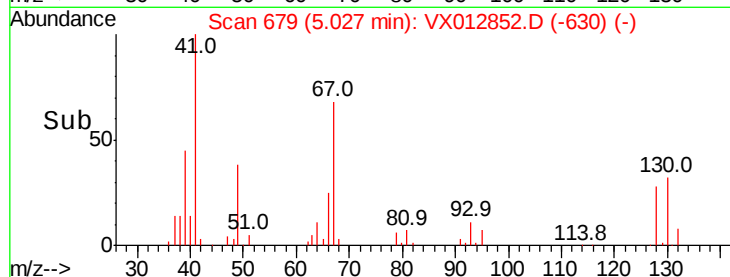
#41
Methacrylonitrile
Concen: 47.513 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX012852.D
Acq: 07 Oct 2019 20:40

Instrument :
MSVOA_X
ClientSampled :
MW-103IMS

Tot Ion: 41 Resp: 84086
Ion Ratio Lower Upper
41 100
39 56.3 46.0 69.0
67 73.0 52.2 78.2
52 30.1 22.7 34.1

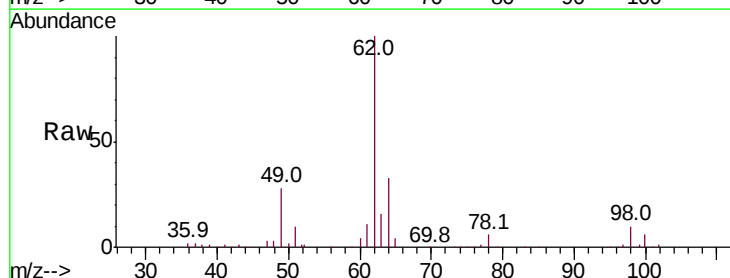


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

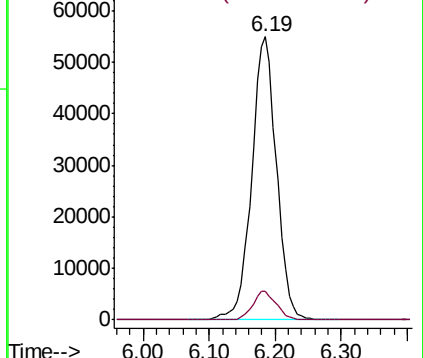
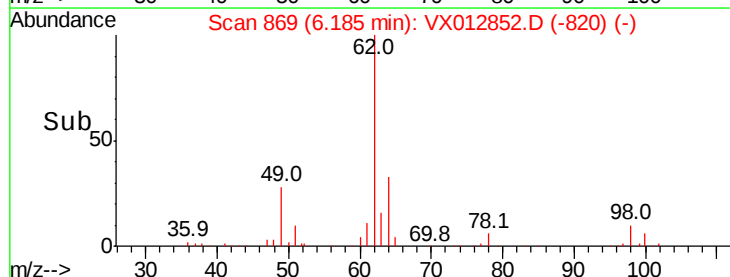


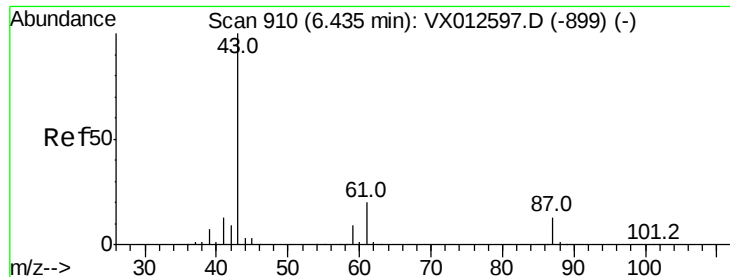
#42
1,2-Dichloroethane
Concen: 47.632 ug/l
RT: 6.19 min Scan# 869
Delta R.T. 0.00 min
Lab File: VX012852.D
Acq: 07 Oct 2019 20:40

Tgt Ion: 62 Resp: 143585
Ion Ratio Lower Upper
62 100
98 9.6 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



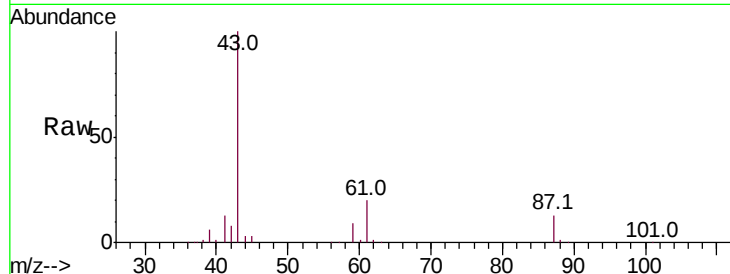


#43

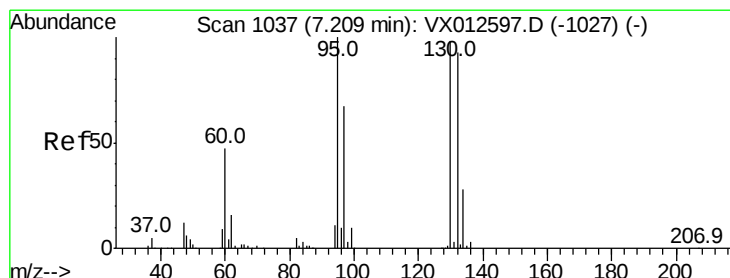
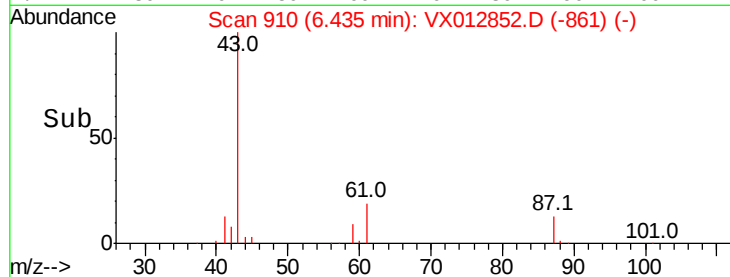
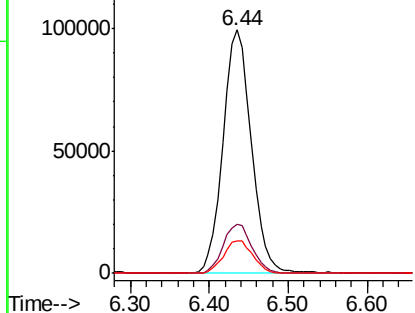
Isopropyl Acetate
 Concen: 46.935 ug/l
 RT: 6.44 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX012852.D
 Acq: 07 Oct 2019 20:40

Instrument :
 MSVOA_X
 ClientSampled :
 MW-103IMS

Tot Ion: 43 Resp: 247576
 Ion Ratio Lower Upper
 43 100
 61 20.9 15.4 23.0
 87 13.8 9.8 14.8



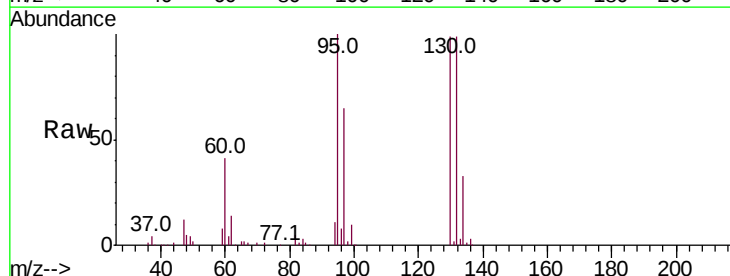
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



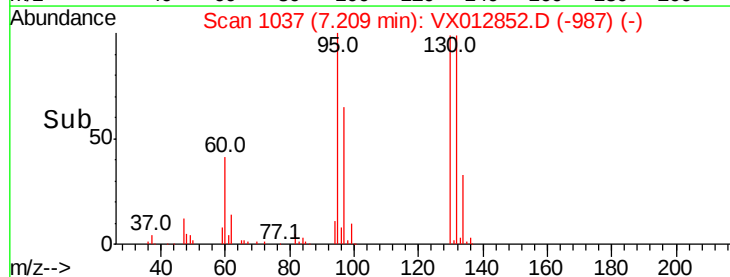
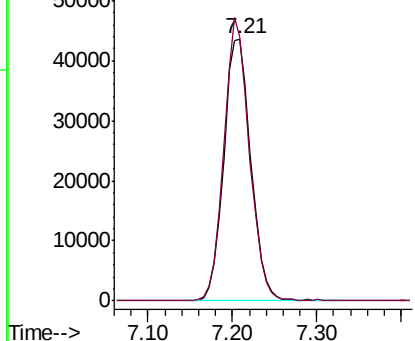
#44

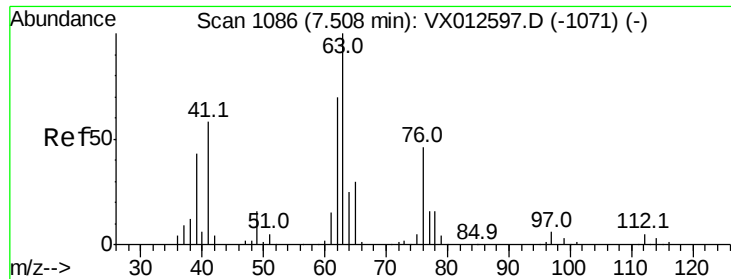
Trichloroethene
 Concen: 47.227 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX012852.D
 Acq: 07 Oct 2019 20:40

Tgt Ion:130 Resp: 95842
 Ion Ratio Lower Upper
 130 100
 95 101.0 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 50.151 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

Instrument :

MSVOA_X

ClientSampled :

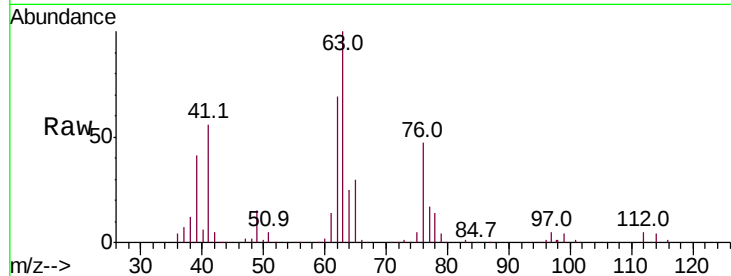
MW-103IMS

Tot Ion: 63 Resp: 101925

Ion Ratio Lower Upper

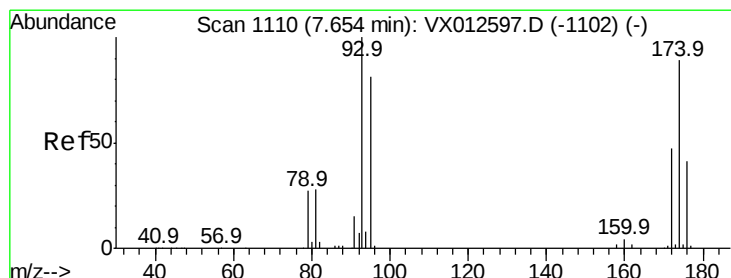
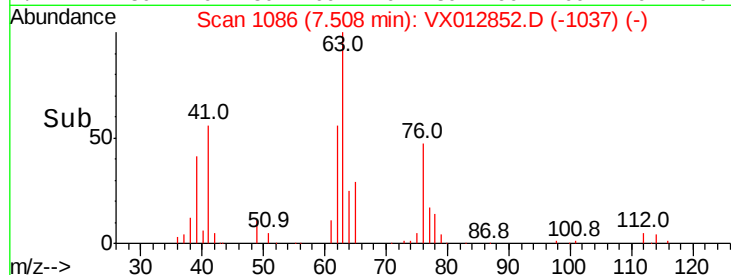
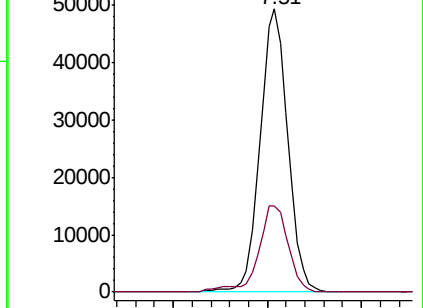
63 100

65 30.4 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 49.295 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

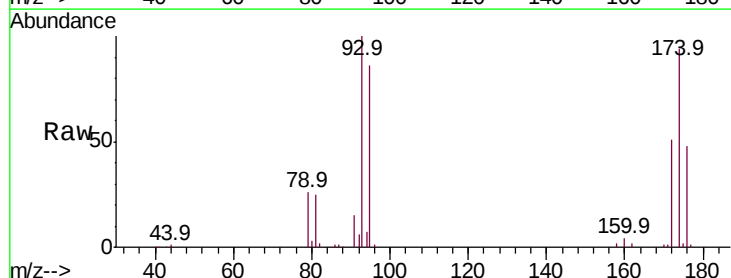
Tgt Ion: 93 Resp: 68212

Ion Ratio Lower Upper

93 100

95 83.1 66.6 100.0

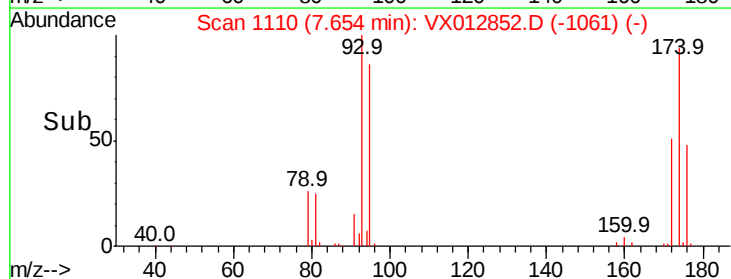
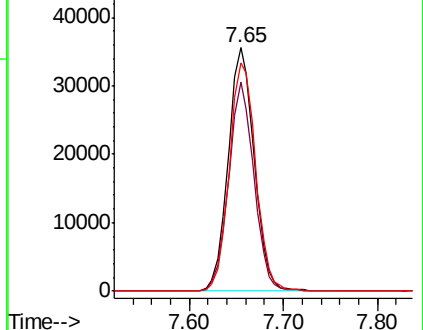
174 94.6 77.4 116.0

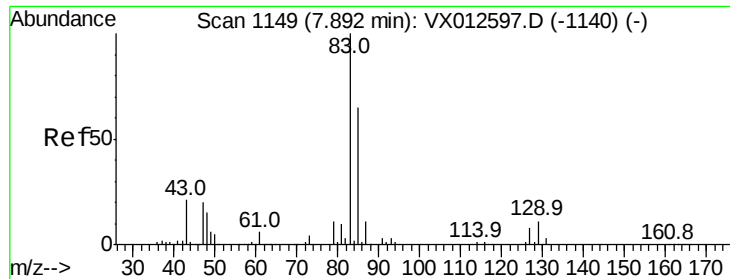


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 49.077 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

MW-103IMS

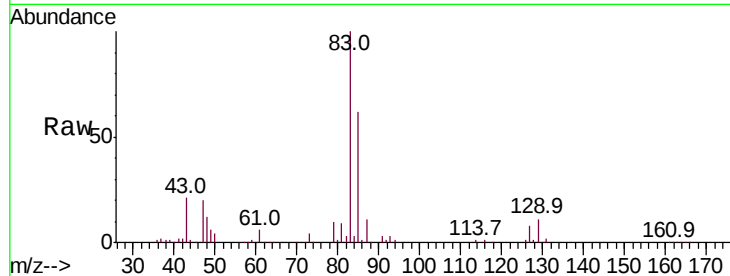
Tot Ion: 83 Resp: 135728

Ion Ratio Lower Upper

83 100

85 62.0 51.8 77.6

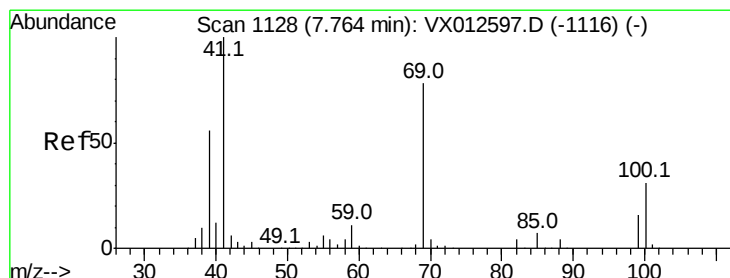
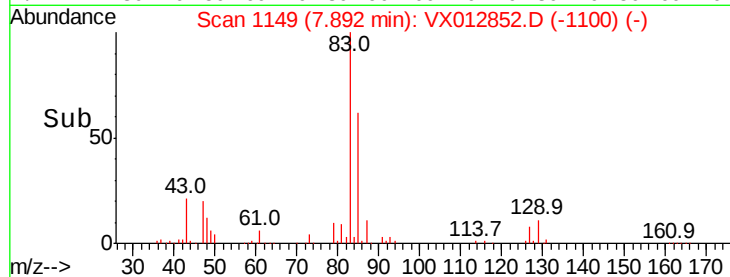
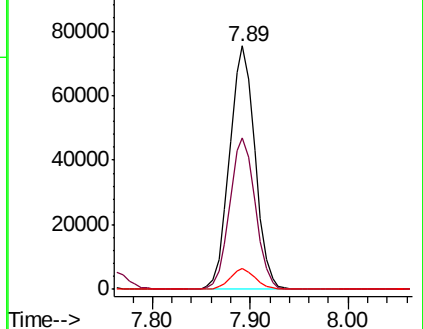
127 8.4 7.3 10.9



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: 49.611 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

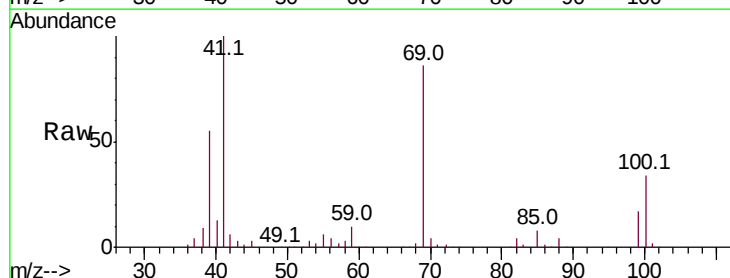
Tgt Ion: 41 Resp: 125479

Ion Ratio Lower Upper

41 100

69 83.5 59.9 89.9

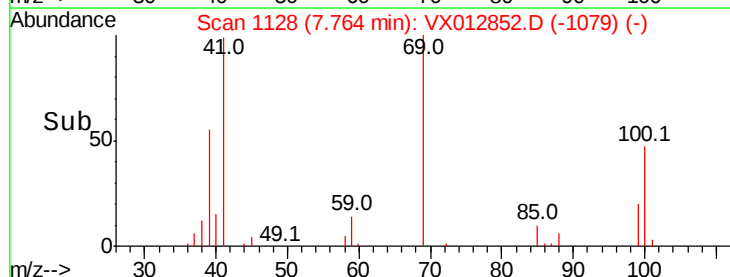
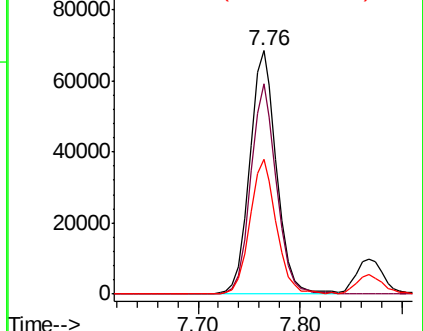
39 54.3 47.8 71.6

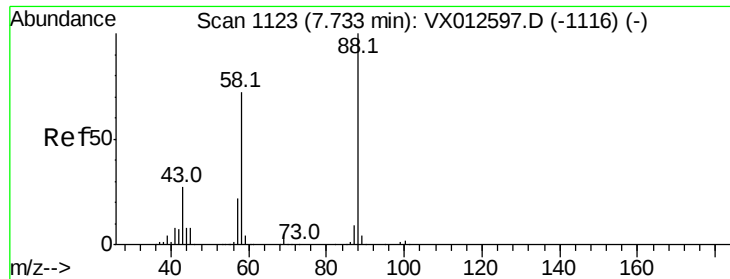


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

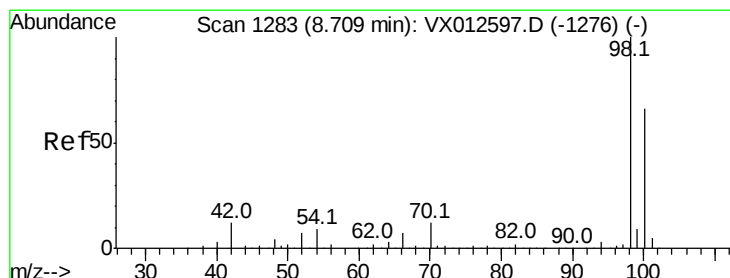
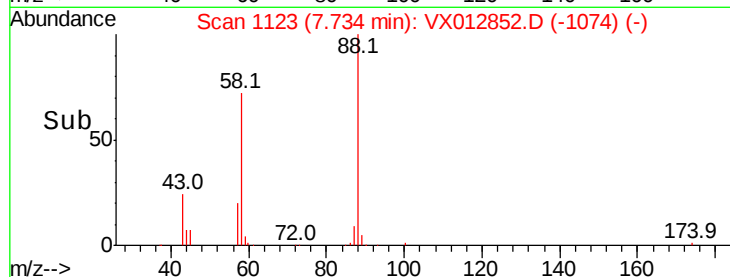
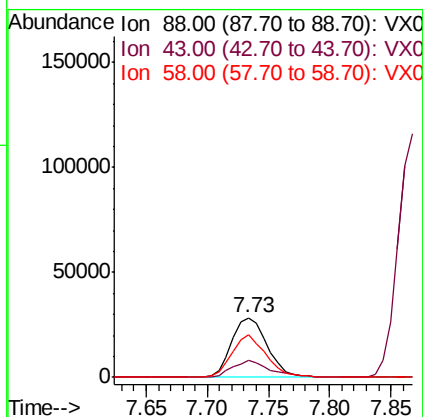
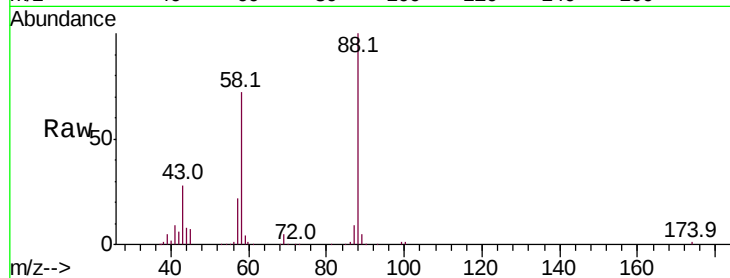




#49
1,4-Dioxane
Concen: 1004.425 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012852.D
Acq: 07 Oct 2019 20:40

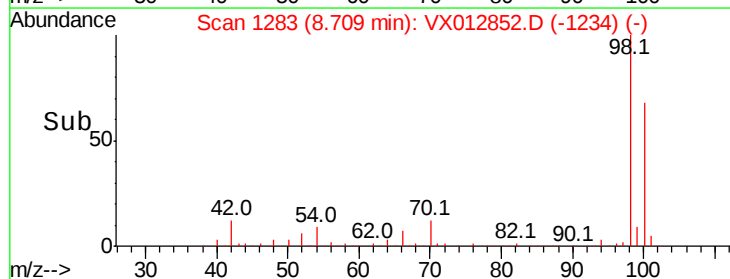
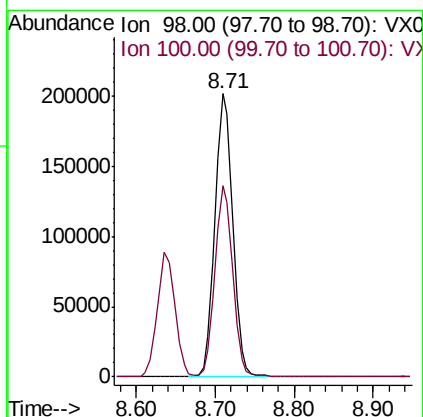
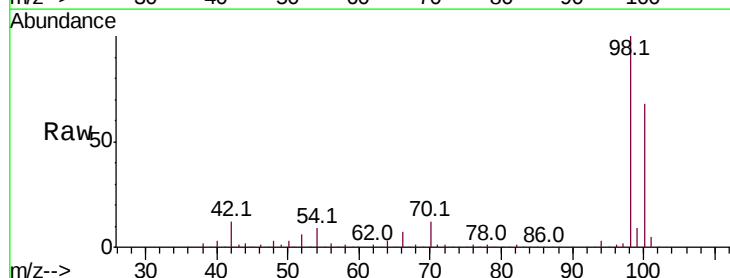
Instrument :
MSVOA_X
ClientSampleId :
MW-103IMS

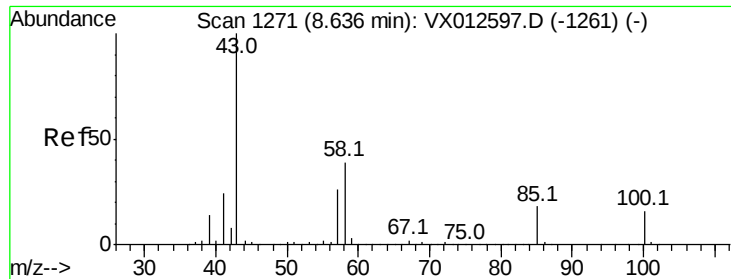
Tot Ion: 88 Resp: 57622
Ion Ratio Lower Upper
88 100
43 32.0 29.4 44.0
58 69.1 57.5 86.3



#50
Toluene-d8
Concen: 50.027 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012852.D
Acq: 07 Oct 2019 20:40

Tgt Ion: 98 Resp: 321149
Ion Ratio Lower Upper
98 100
100 67.1 53.4 80.2





#51

4-Methyl-2-Pentanone

Concen: 246.654 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

Instrument :

MSVOA_X

ClientSampled :

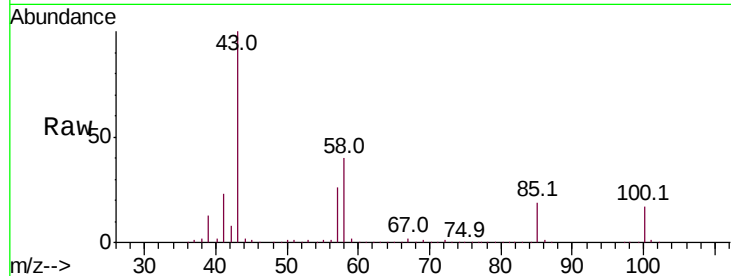
MW-103IMS

Tot Ion: 43 Resp: 803125

Ion Ratio Lower Upper

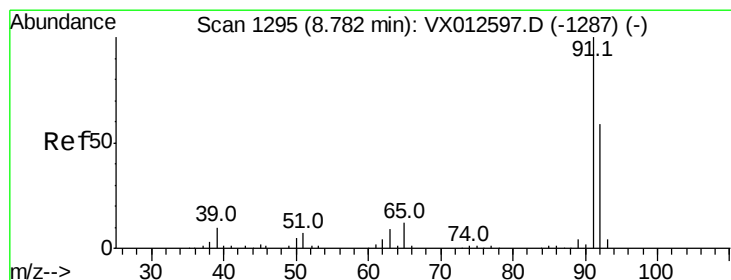
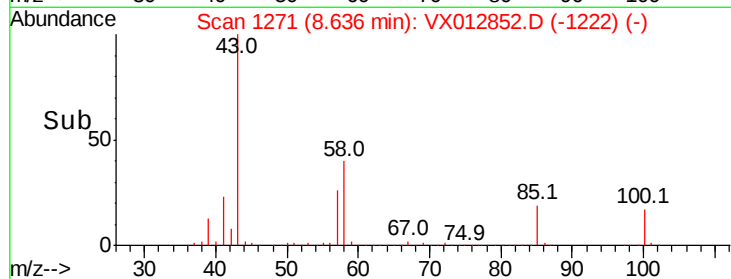
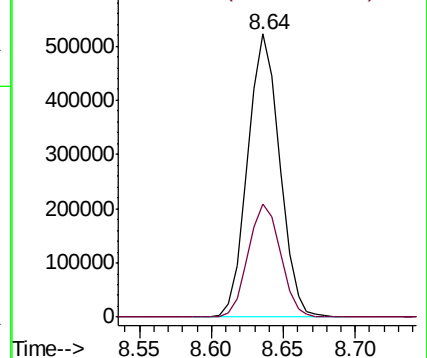
43 100

58 40.4 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 48.428 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012852.D

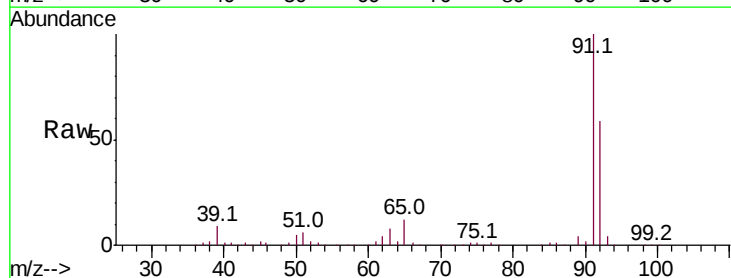
Acq: 07 Oct 2019 20:40

Tgt Ion: 92 Resp: 241619

Ion Ratio Lower Upper

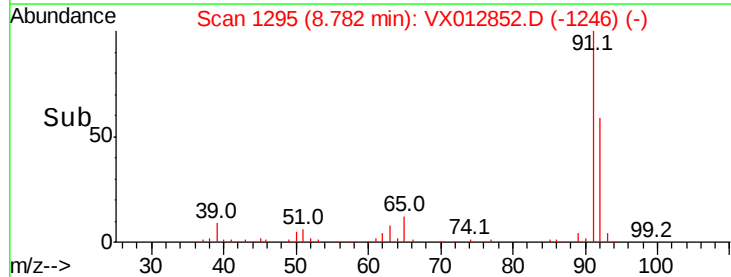
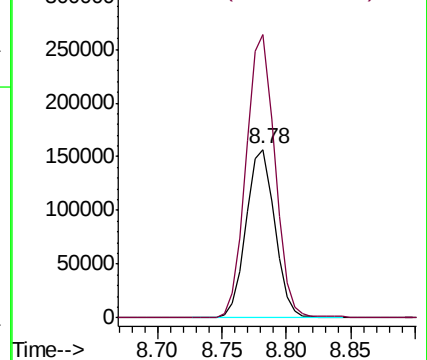
92 100

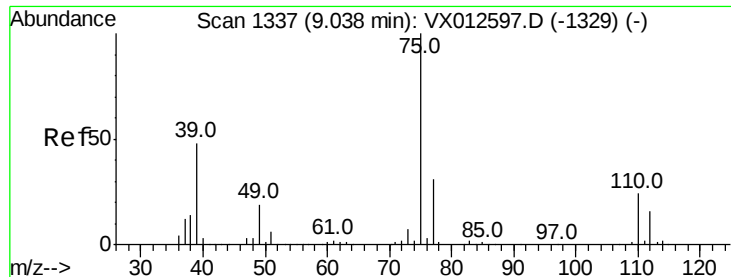
91 169.4 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 48.440 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

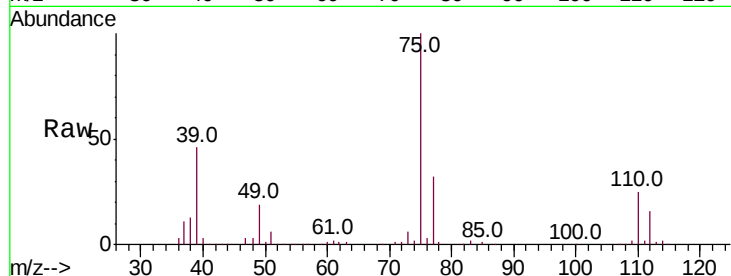
MW-103IMS

Tot Ion: 75 Resp: 148221

Ion Ratio Lower Upper

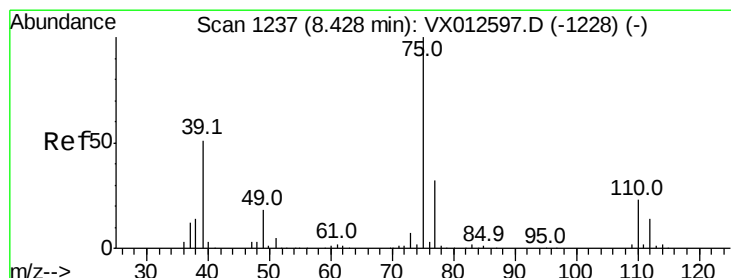
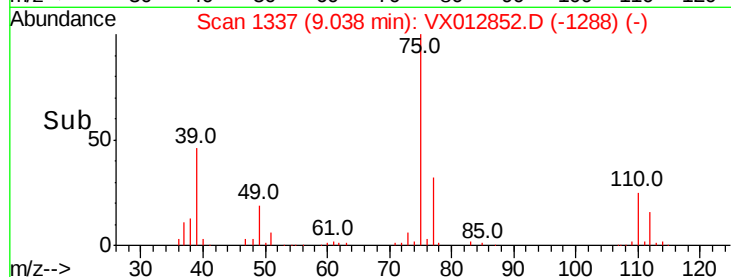
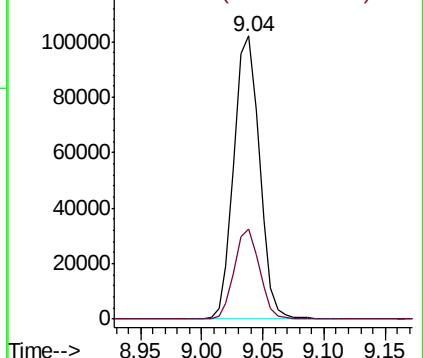
75 100

77 32.1 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 48.252 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

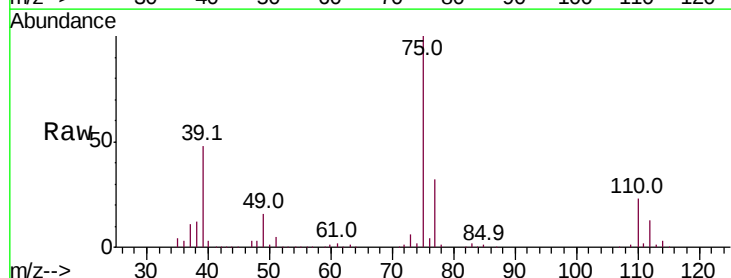
Tgt Ion: 75 Resp: 161204

Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.8

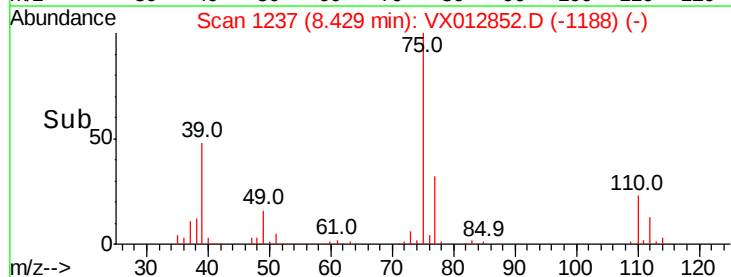
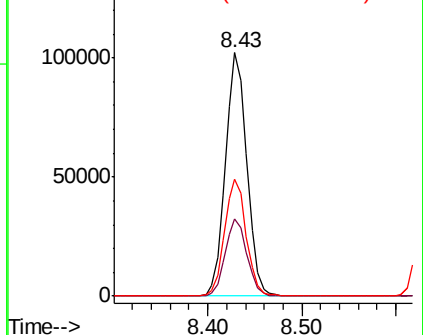
39 48.1 45.5 68.3

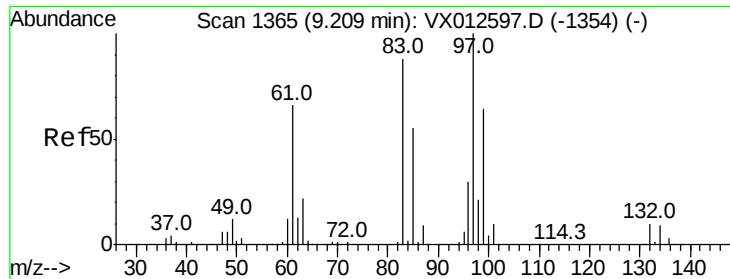


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0



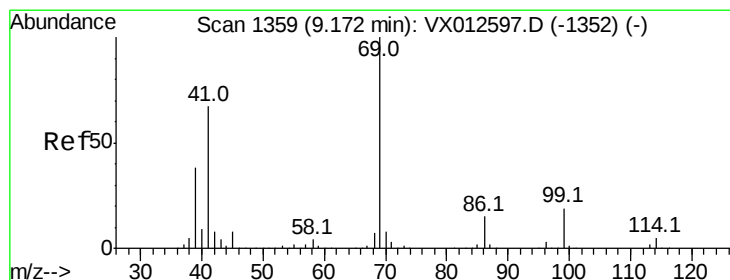
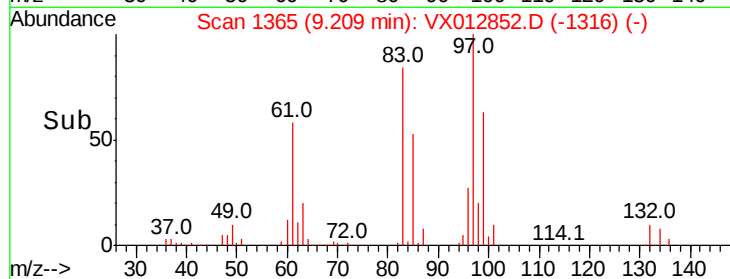
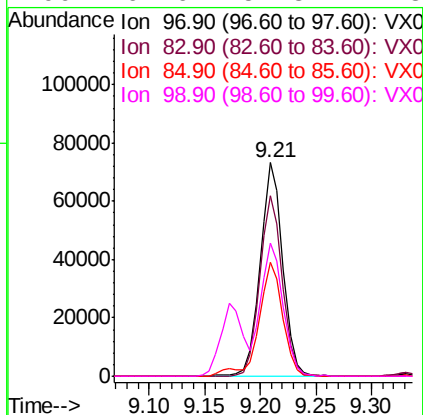
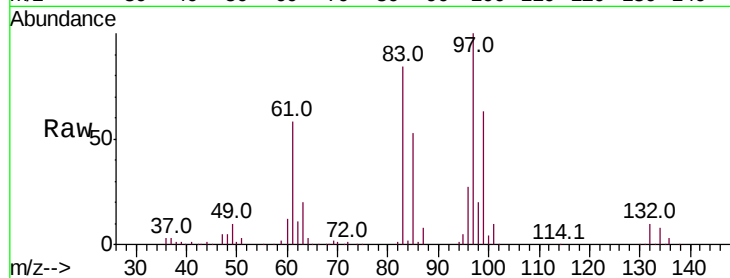


#55
 1,1,2-Trichloroethane
 Concen: 52.400 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012852.D
 Acq: 07 Oct 2019 20:40

Instrument :
 MSVOA_X
 ClientSampled :
 MW-103IMS

Tot Ion: 97 Resp: 103940

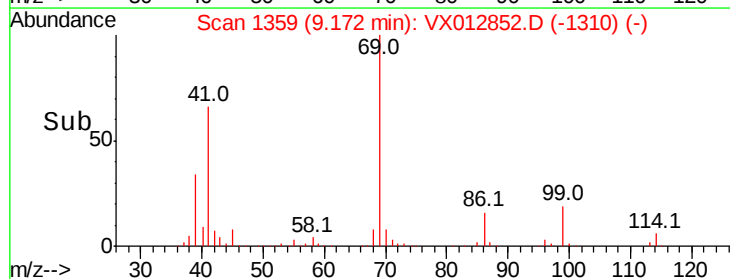
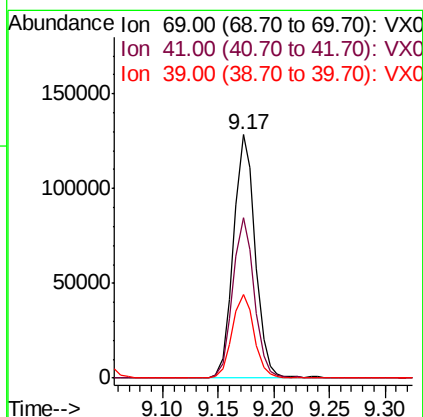
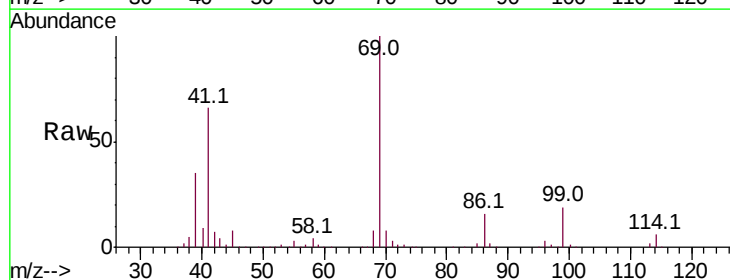
Ion	Ratio	Lower	Upper
97	100		
83	84.4	67.4	101.2
85	53.4	43.5	65.3
99	62.6	51.8	77.8

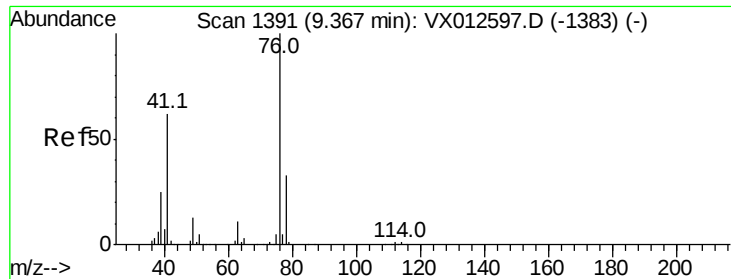


#56
 Ethyl methacrylate
 Concen: 52.355 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012852.D
 Acq: 07 Oct 2019 20:40

Tgt Ion: 69 Resp: 174469

Ion	Ratio	Lower	Upper
69	100		
41	65.3	58.4	87.6
39	34.7	33.4	50.0





#57

1,3-Dichloropropane

Concen: 50.472 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

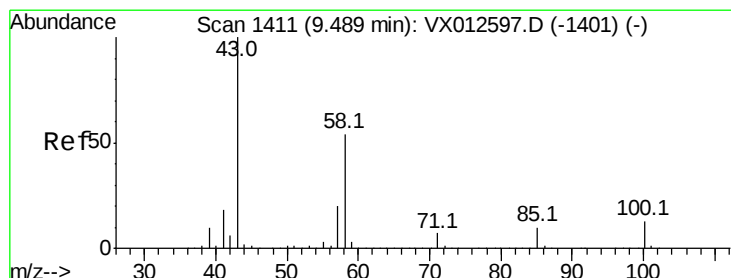
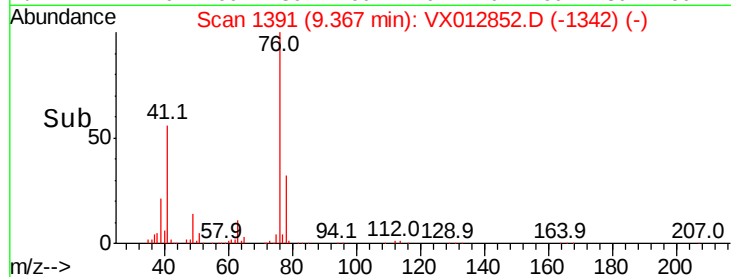
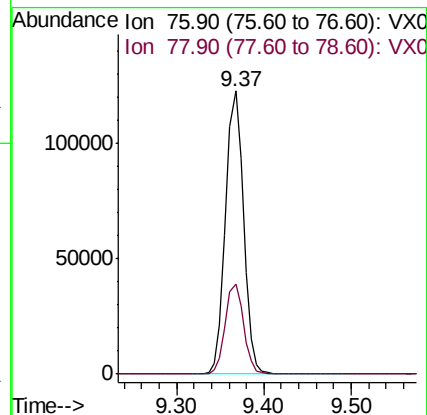
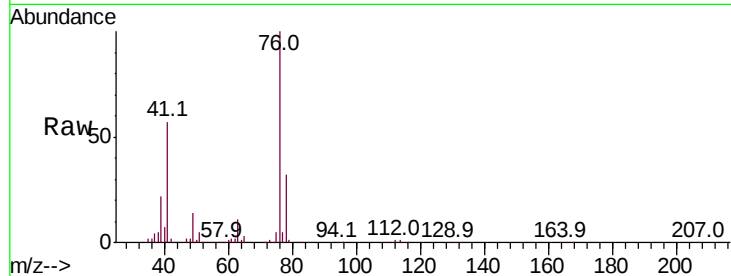
MW-103IMS

Tot Ion: 76 Resp: 175219

Ion Ratio Lower Upper

76 100

78 32.4 26.2 39.2



#59

2-Hexanone

Concen: 252.566 ug/l

RT: 9.49 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VX012852.D

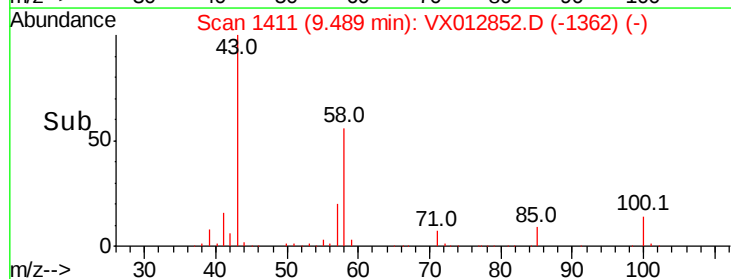
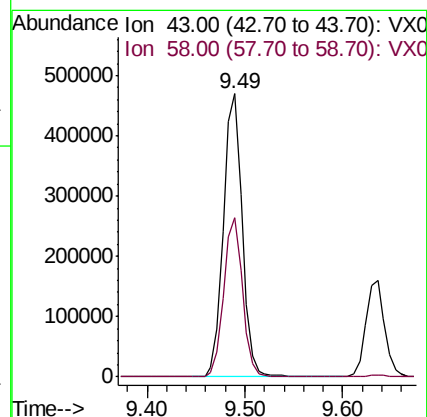
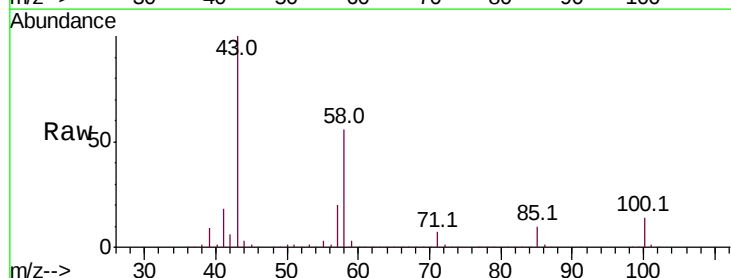
Acq: 07 Oct 2019 20:40

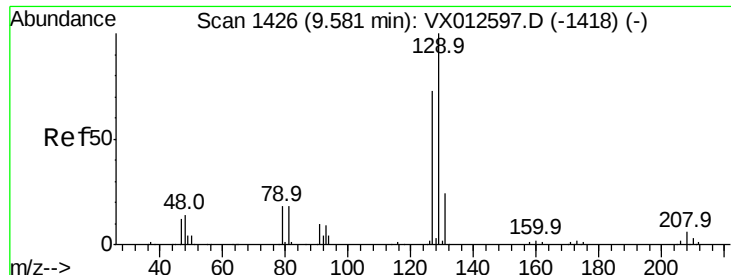
Tgt Ion: 43 Resp: 629476

Ion Ratio Lower Upper

43 100

58 56.1 25.7 77.1





#60

Dibromochloromethane

Concen: 52.965 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

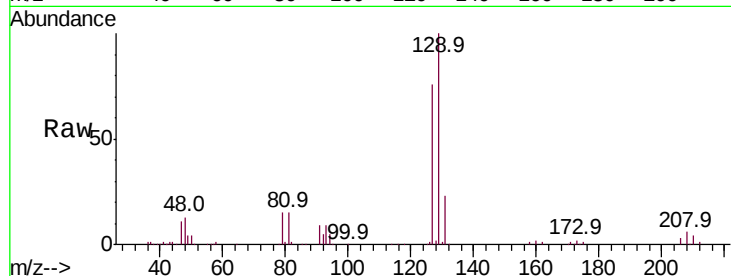
MW-103IMS

Tot Ion:129 Resp: 106352

Ion Ratio Lower Upper

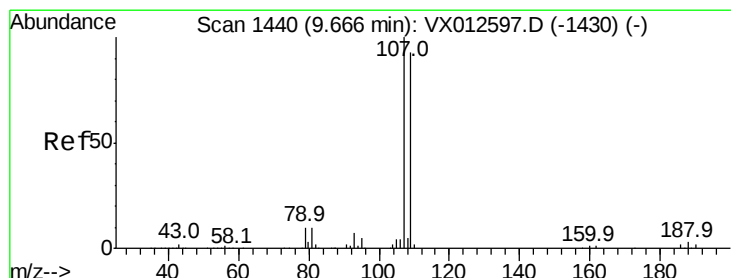
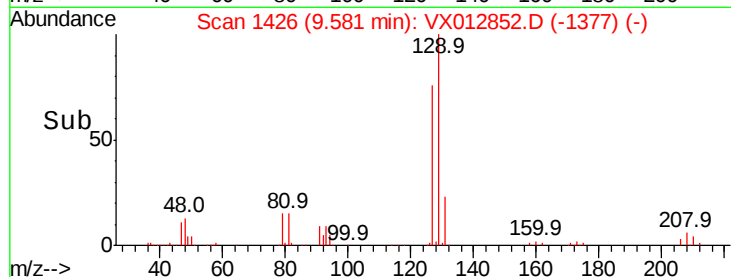
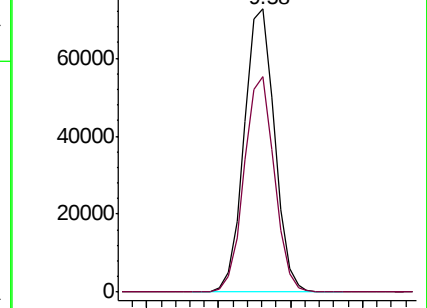
129 100

127 75.6 38.9 116.6



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 51.490 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012852.D

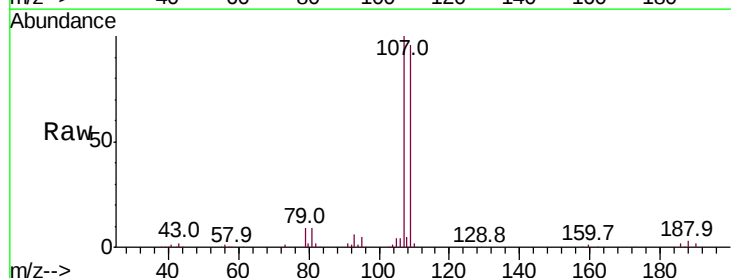
Acq: 07 Oct 2019 20:40

Tgt Ion:107 Resp: 106295

Ion Ratio Lower Upper

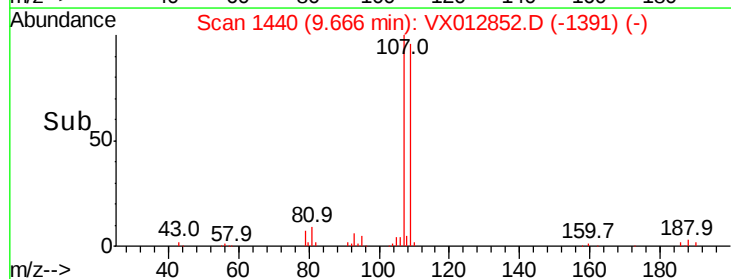
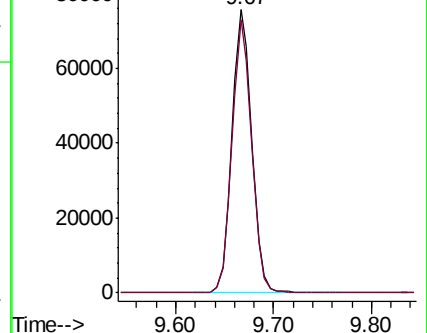
107 100

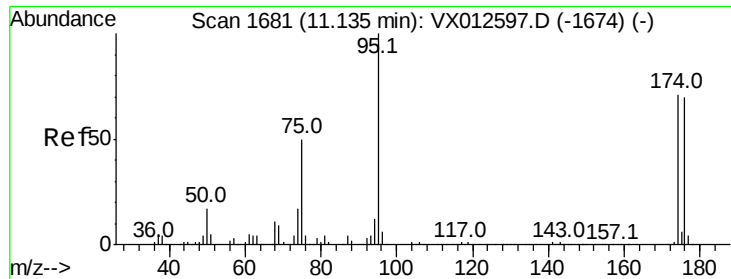
109 95.3 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 52.269 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

Instrument :

MSVOA_X

ClientSampled :

MW-103IMS

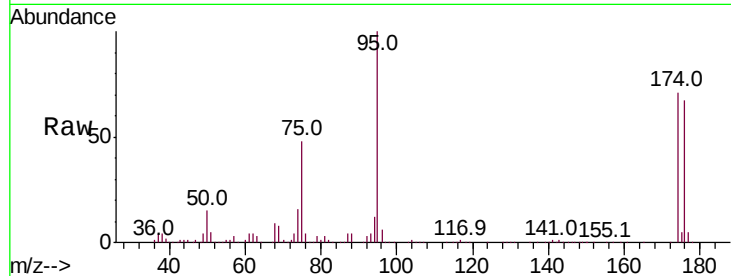
Tot Ion: 95 Resp: 131936

Ion Ratio Lower Upper

95 100

174 70.1 0.0 140.0

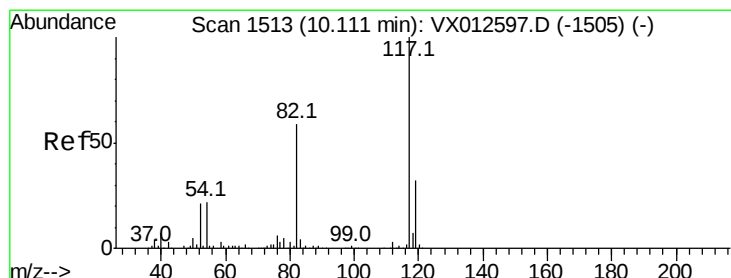
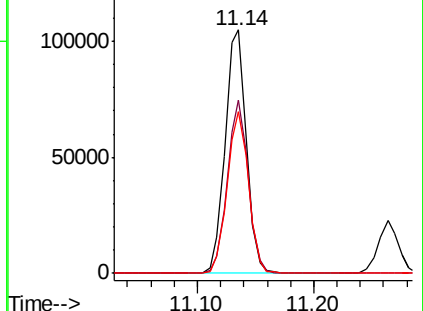
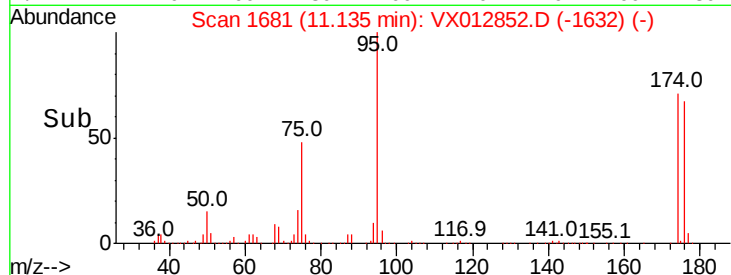
176 67.1 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX012852.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX012852.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX012852.D (-1632) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

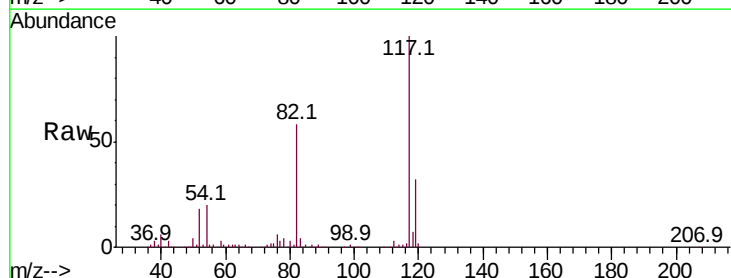
Tgt Ion: 117 Resp: 251479

Ion Ratio Lower Upper

117 100

82 58.0 45.9 68.9

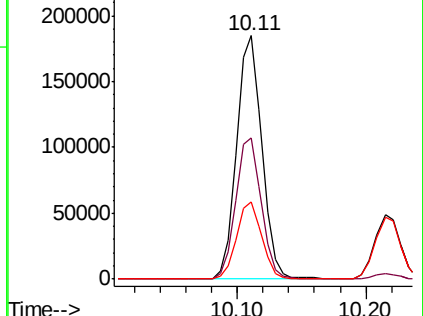
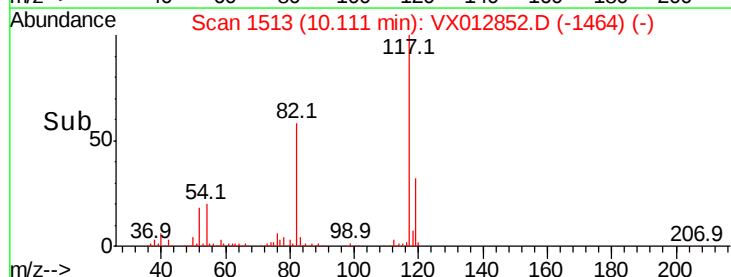
119 31.7 25.3 37.9

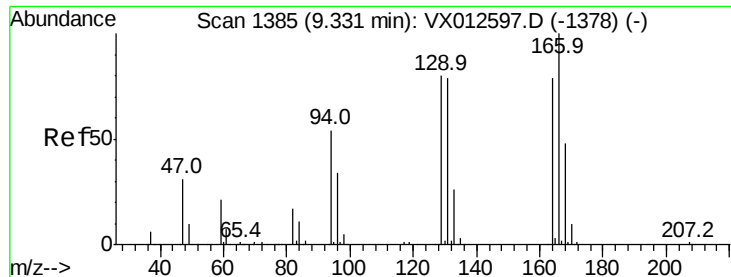


Abundance Ion 116.90 (116.60 to 117.60): VX012852.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX012852.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX012852.D (-1464) (-)





#64

Tetrachloroethene

Concen: 43.224 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

MW-103IMS

Tot Ion:164 Resp: 75787

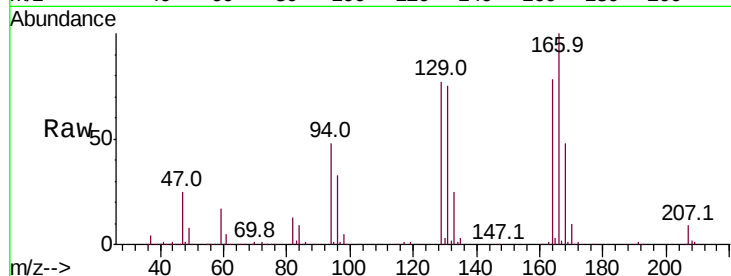
Ion Ratio Lower Upper

164 100

166 128.9 107.8 161.6

129 98.9 86.2 129.2

131 97.1 80.4 120.6

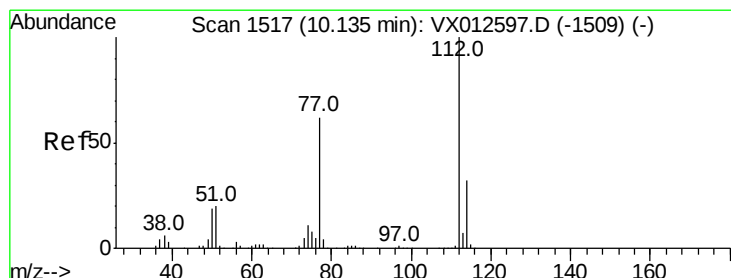
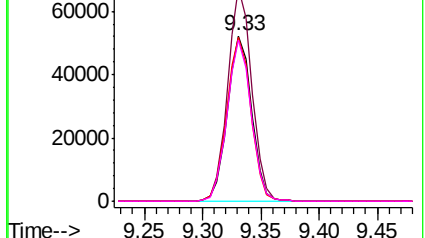
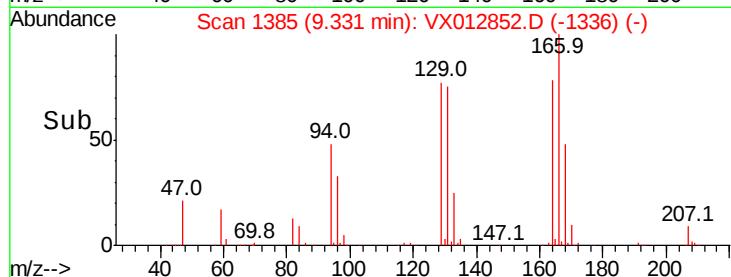


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 48.750 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX012852.D

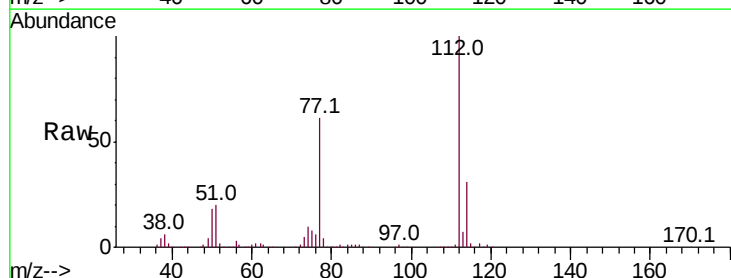
Acq: 07 Oct 2019 20:40

Tgt Ion:112 Resp: 258163

Ion Ratio Lower Upper

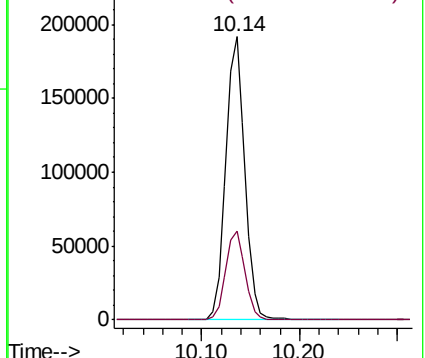
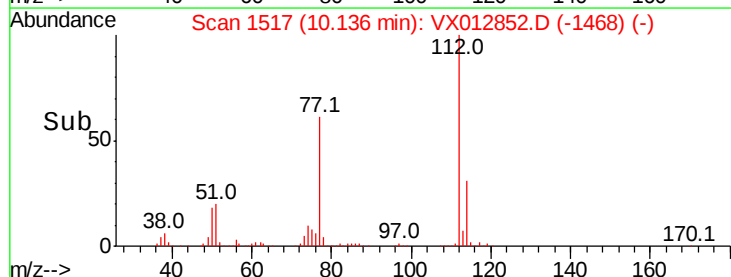
112 100

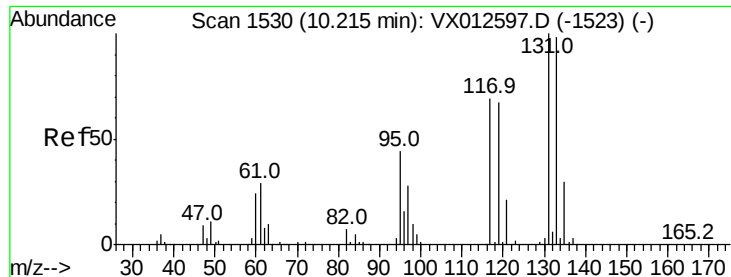
114 31.2 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

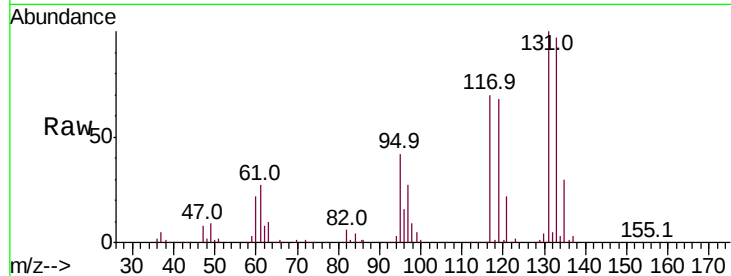




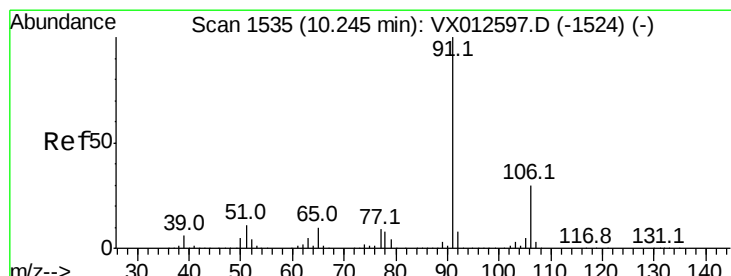
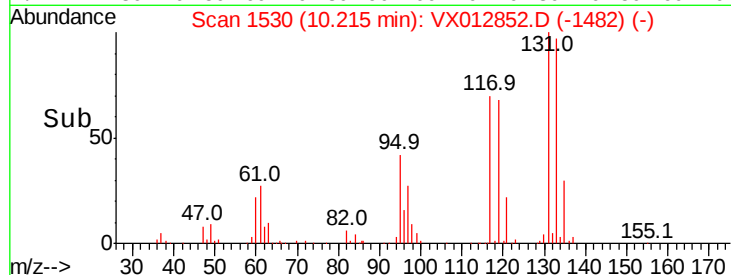
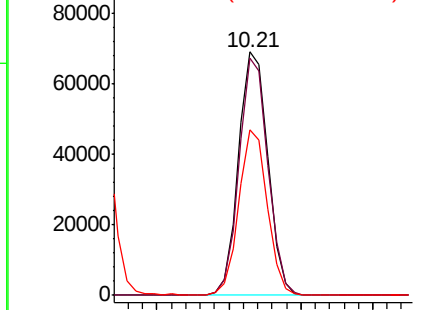
#66
 1,1,1,2-Tetrachloroethane
 Concen: 50.799 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VX012852.D
 Acq: 07 Oct 2019 20:40

Instrument :
 MSVOA_X
 ClientSampled :
 MW-103IMS

Tot Ion:131 Resp: 97469
 Ion Ratio Lower Upper
 131 100
 133 95.9 47.6 142.9
 119 65.9 31.3 93.8

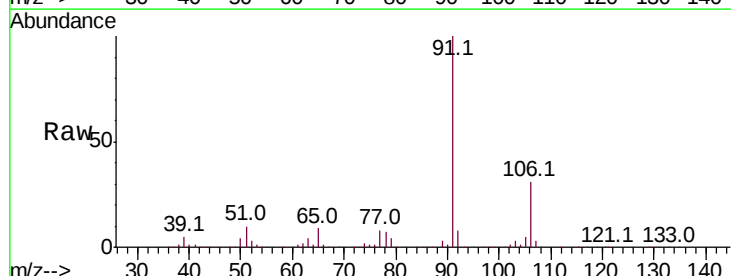


Abundance Ion 130.80 (130.50 to 131.50): V
 Ion 132.80 (132.50 to 133.50): V
 Ion 118.80 (118.50 to 119.50): V

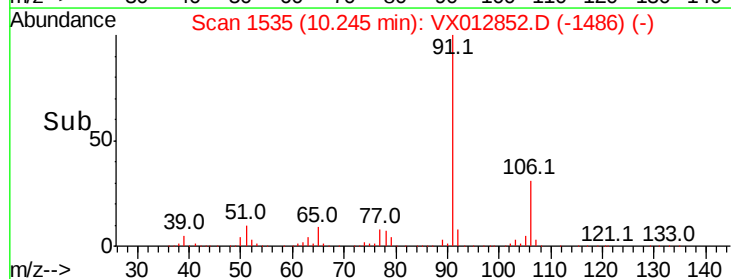
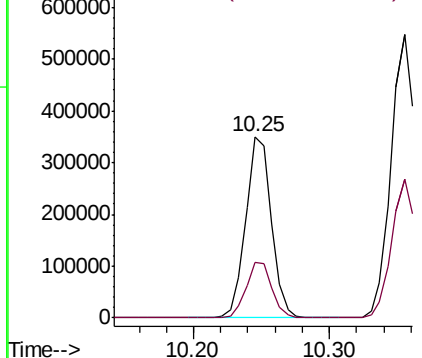


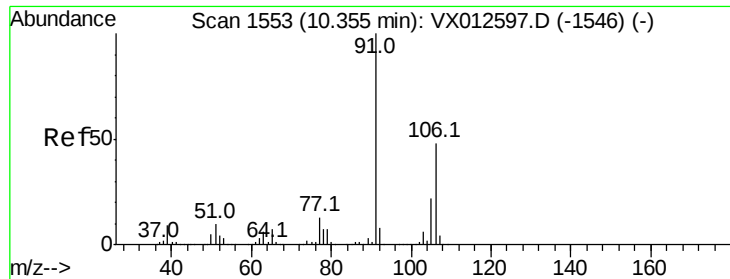
#67
 Ethyl Benzene
 Concen: 48.178 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VX012852.D
 Acq: 07 Oct 2019 20:40

Tgt Ion: 91 Resp: 462746
 Ion Ratio Lower Upper
 91 100
 106 30.5 24.6 37.0



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

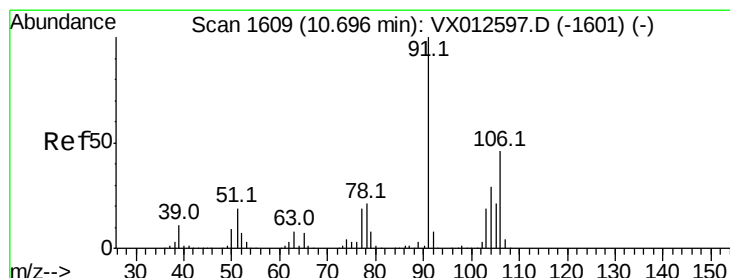
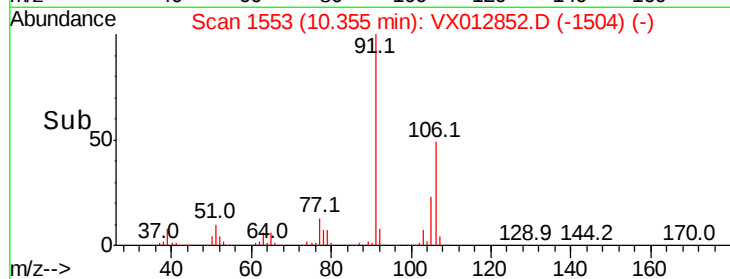
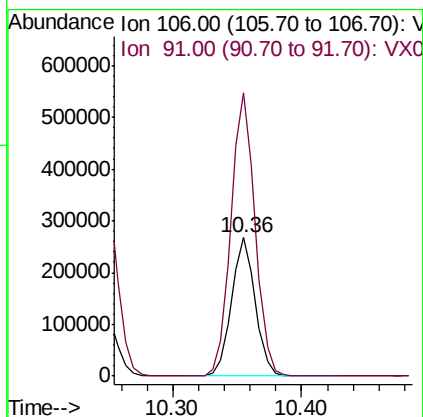
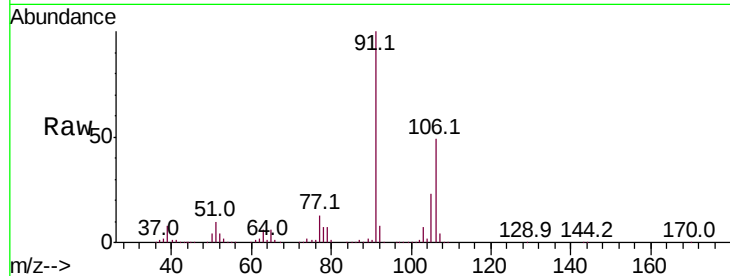




#68
m/p-Xylenes
Concen: 96.050 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012852.D
Acq: 07 Oct 2019 20:40

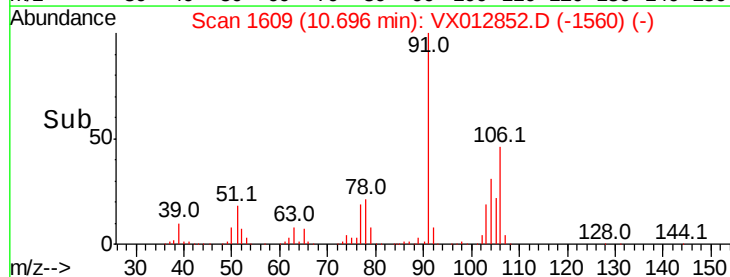
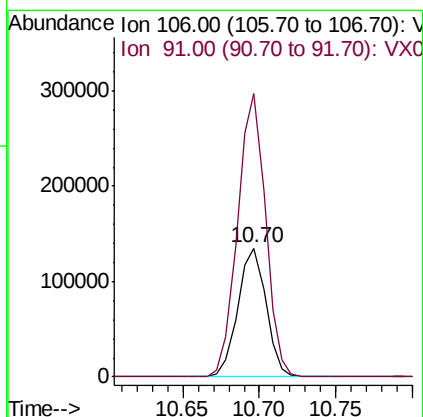
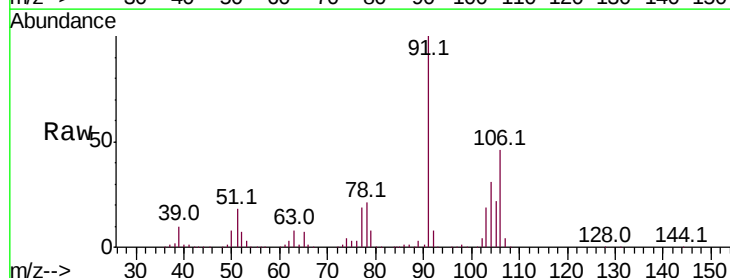
Instrument :
MSVOA_X
ClientSampled :
MW-103IMS

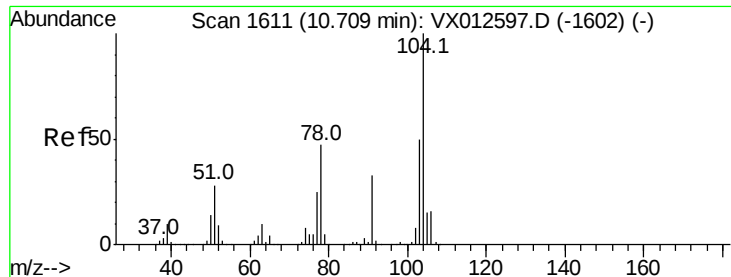
Tot Ion:106 Resp: 345589
Ion Ratio Lower Upper
106 100
91 207.9 166.6 250.0



#69
o-Xylene
Concen: 49.689 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012852.D
Acq: 07 Oct 2019 20:40

Tgt Ion:106 Resp: 172991
Ion Ratio Lower Upper
106 100
91 218.1 109.4 328.2





#70

Stvrene

Concen: 51.627 ug/l

RT: 10.71 min Scan# 1611

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

MW-103IMS

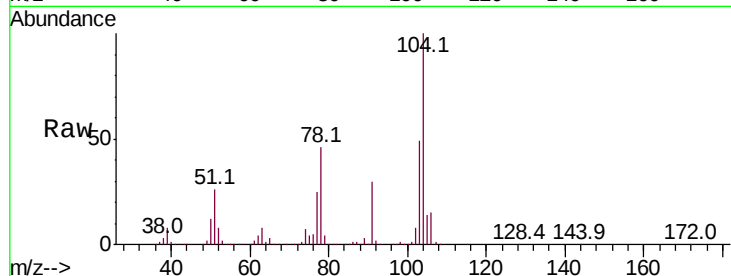
Tot Ion:104 Resp: 301320

Ion Ratio Lower Upper

104 100

78 52.7 43.4 65.2

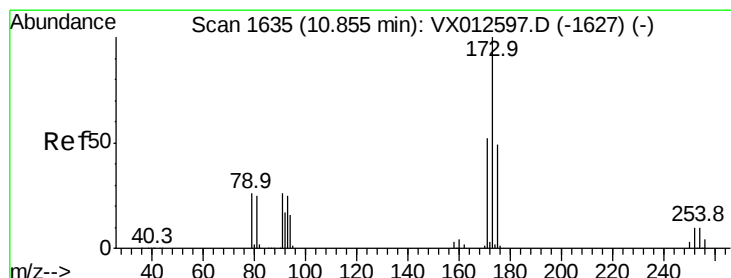
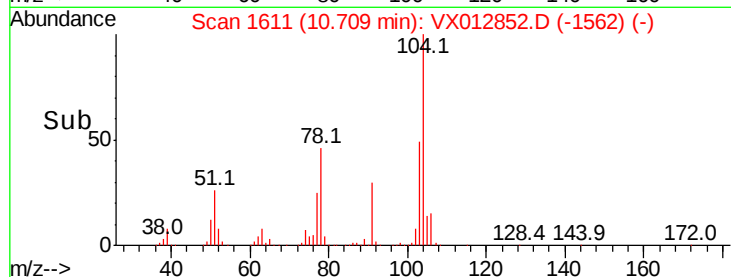
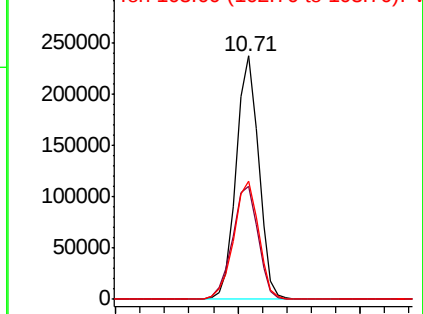
103 53.8 43.3 64.9



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: 53.944 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

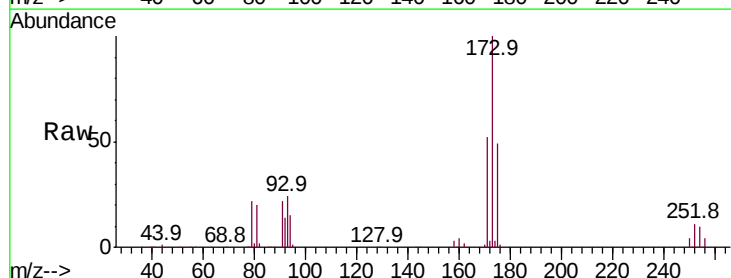
Tgt Ion:173 Resp: 72071

Ion Ratio Lower Upper

173 100

175 50.0 23.7 71.1

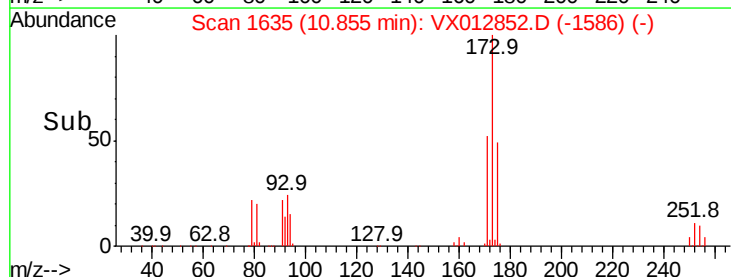
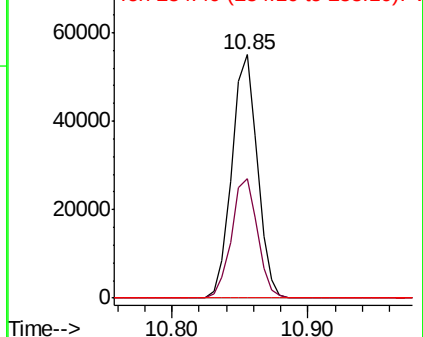
254 0.1 0.1 0.1#

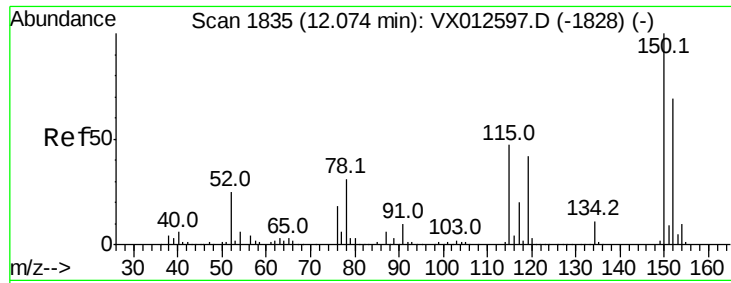


Abundance Ion 172.70 (172.40 to 173.40): V

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: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

Instrument :

MSVOA_X

ClientSampled :

MW-103IMS

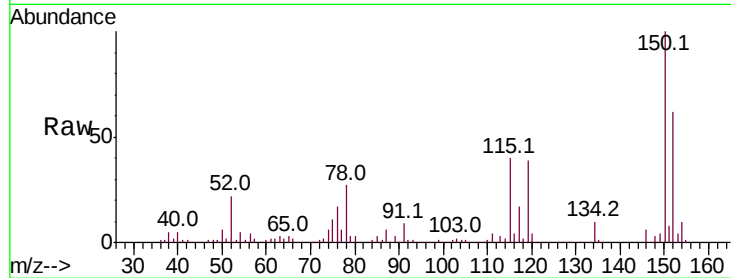
Tot Ion:152 Resp: 118310

Ion Ratio Lower Upper

152 100

115 87.5 44.1 132.3

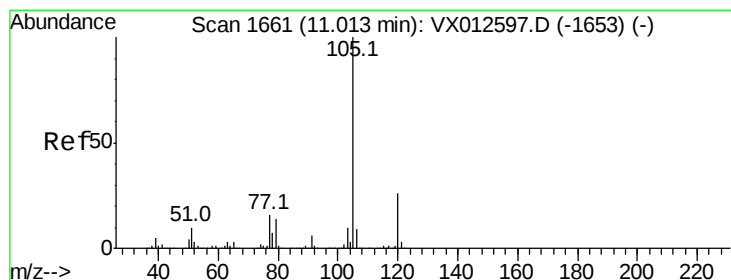
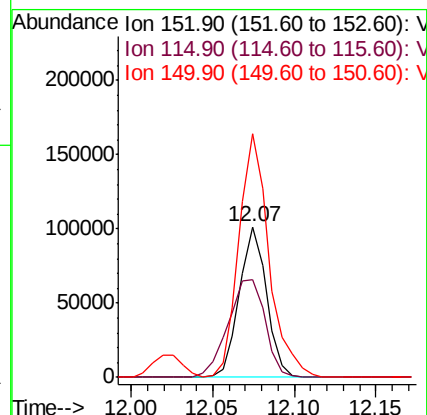
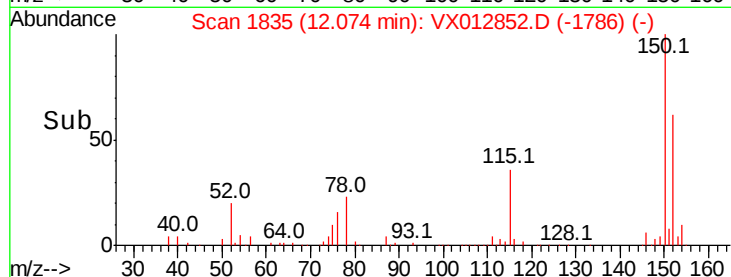
150 178.5 0.0 343.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 46.343 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012852.D

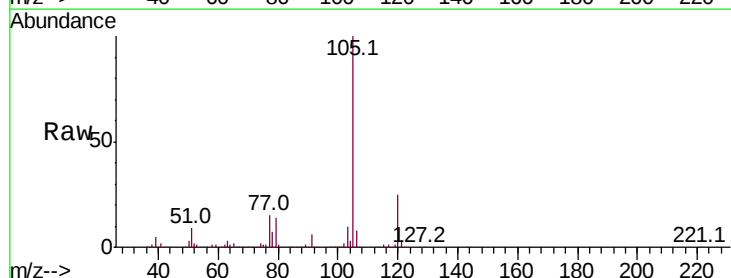
Acq: 07 Oct 2019 20:40

Tgt Ion:105 Resp: 446556

Ion Ratio Lower Upper

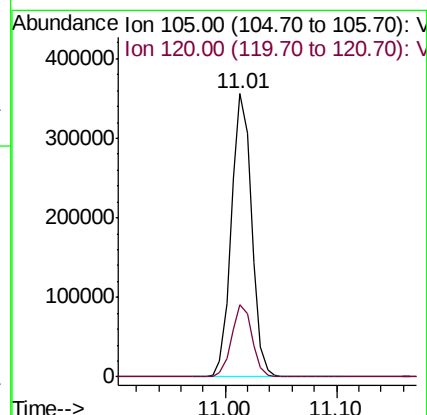
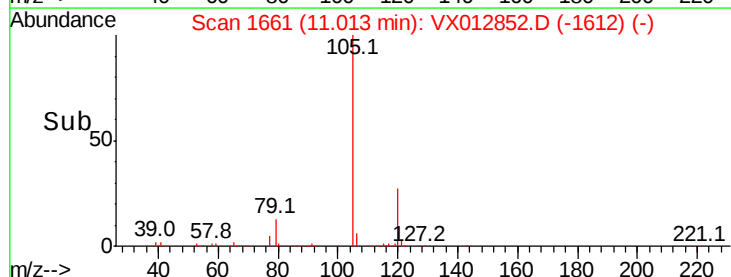
105 100

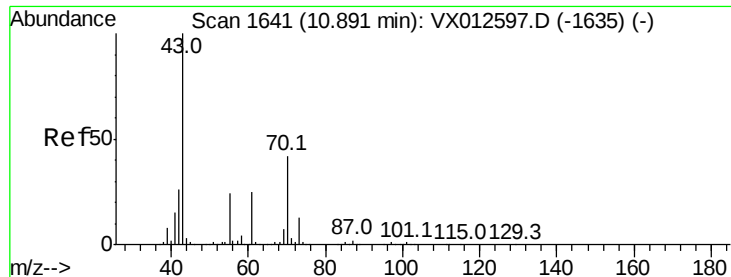
120 25.7 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 47.969 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

Instrument :

MSVOA_X

ClientSampled :

MW-103IMS

Tot Ion: 43 Resp: 220513

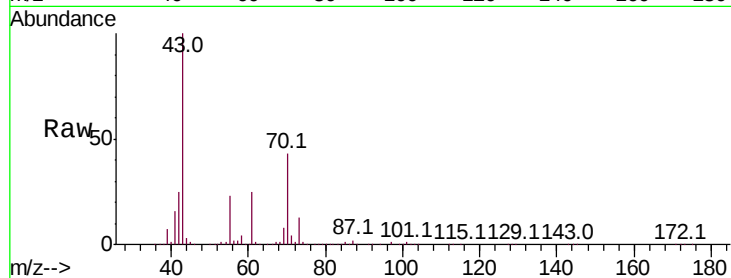
Ion Ratio Lower Upper

43 100

70 44.2 32.4 48.6

55 23.7 18.2 27.4

61 24.4 18.5 27.7

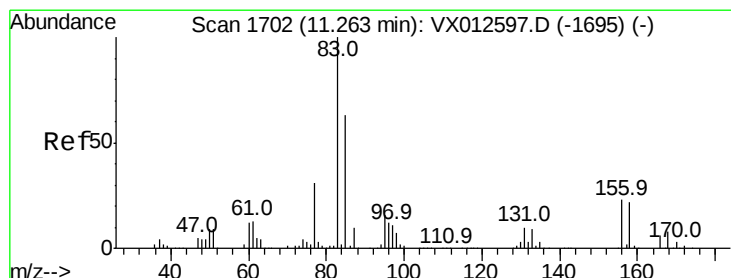
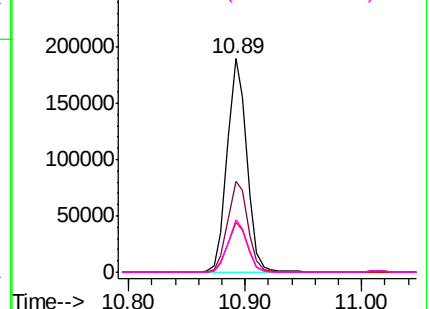
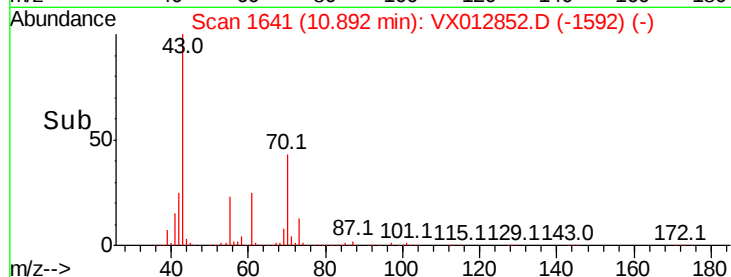


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 53.135 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

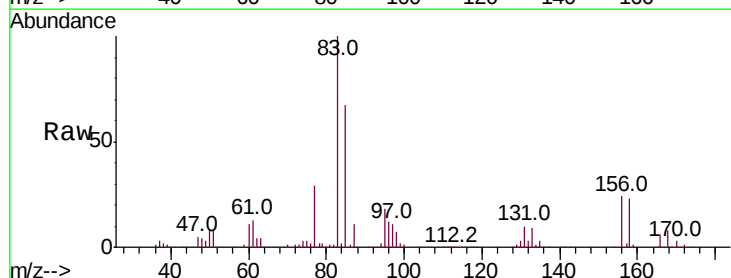
Tgt Ion: 83 Resp: 169568

Ion Ratio Lower Upper

83 100

131 9.9 5.2 15.6

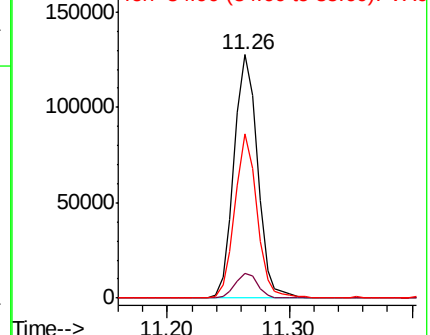
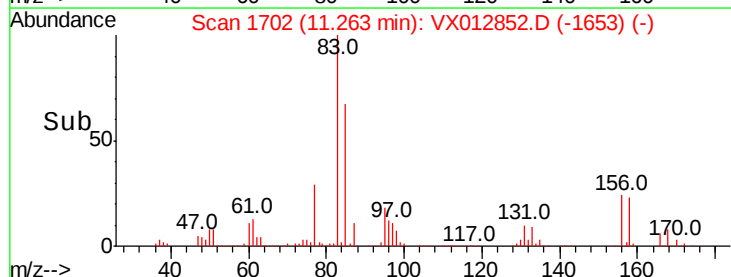
85 63.4 32.0 96.0

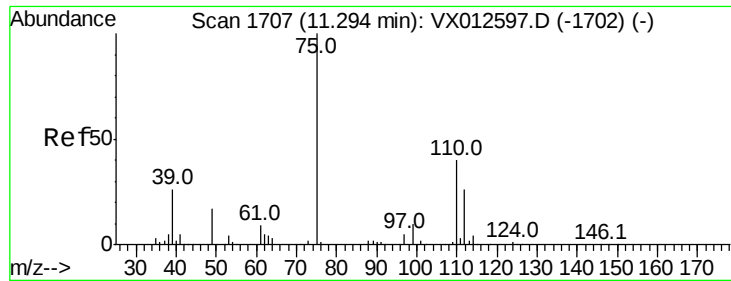


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 60.421 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

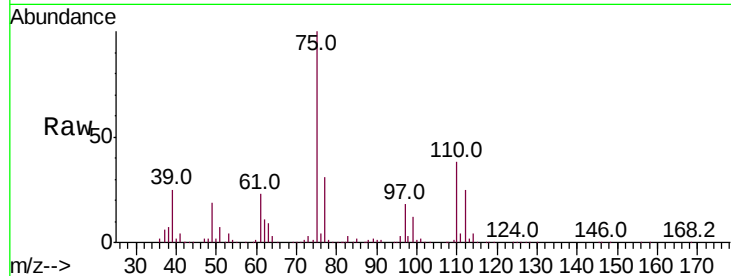
MW-103IMS

Tot Ion: 75 Resp: 189094

Ion Ratio Lower Upper

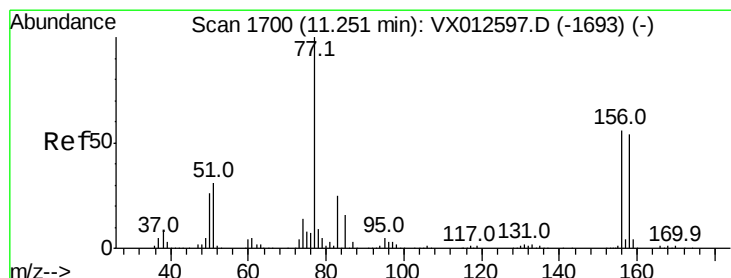
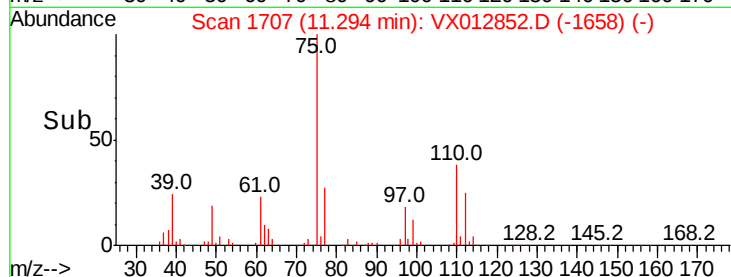
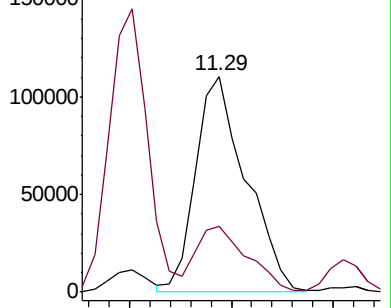
75 100

77 30.6 19.7 59.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#77

Bromobenzene

Concen: 49.545 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

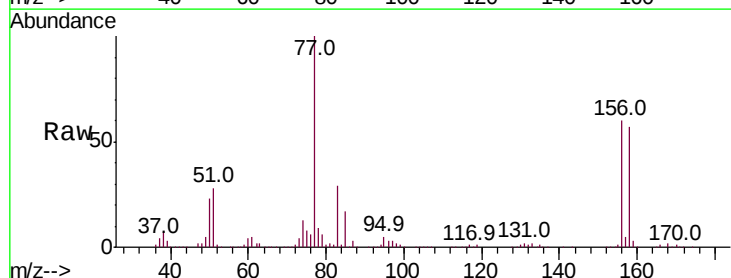
Tgt Ion: 156 Resp: 108052

Ion Ratio Lower Upper

156 100

77 175.5 87.3 261.8

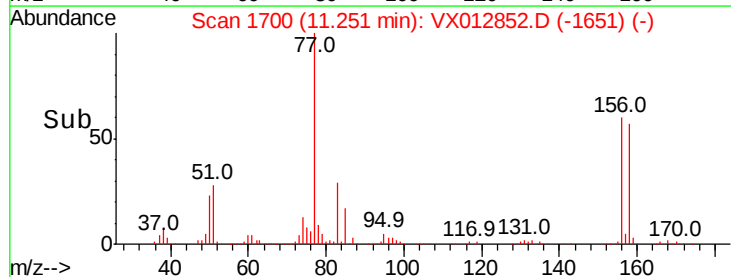
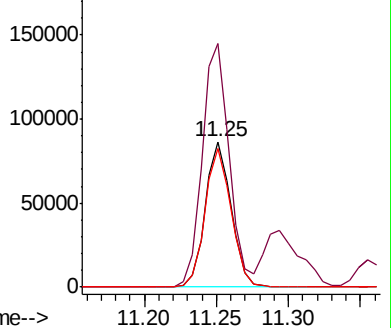
158 96.3 48.5 145.6

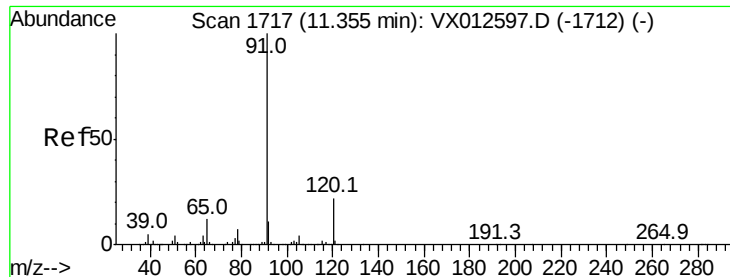


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 45.986 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

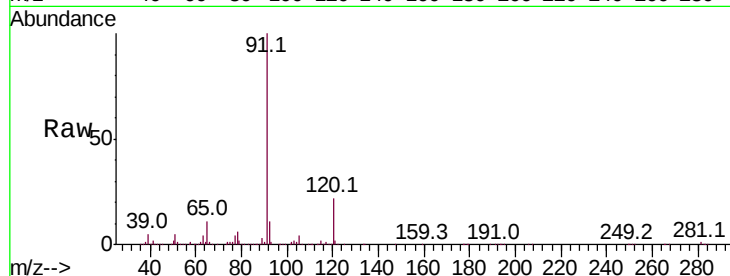
MW-103IMS

Tot Ion: 91 Resp: 498873

Ion Ratio Lower Upper

91 100

120 22.6 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

200000

100000

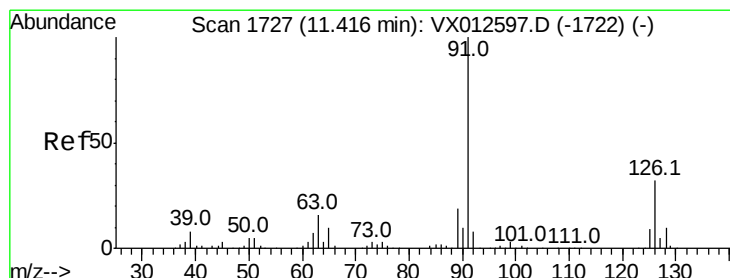
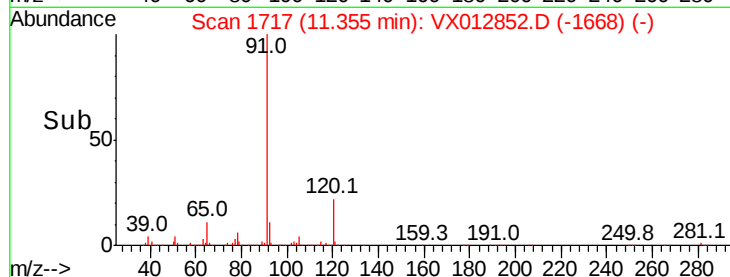
0

11.30

11.35

11.40

Time-->



#79

2-Chlorotoluene

Concen: 46.827 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX012852.D

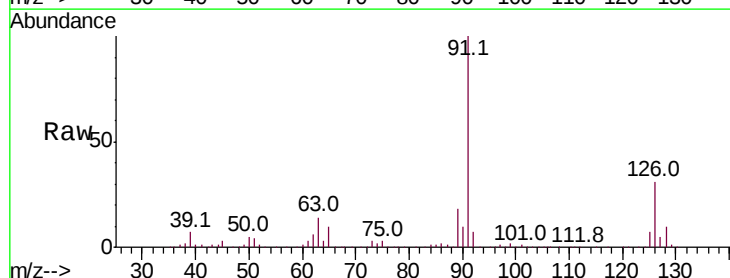
Acq: 07 Oct 2019 20:40

Tgt Ion: 91 Resp: 316896

Ion Ratio Lower Upper

91 100

126 32.0 16.4 49.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

500000

400000

300000

200000

100000

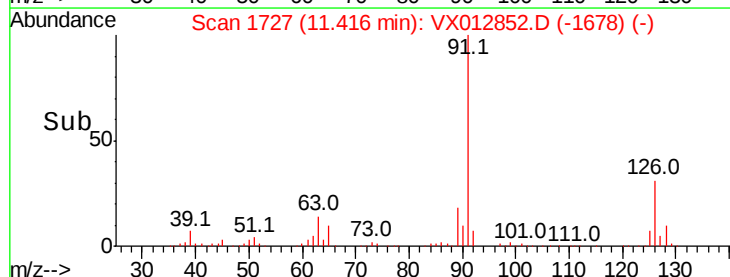
0

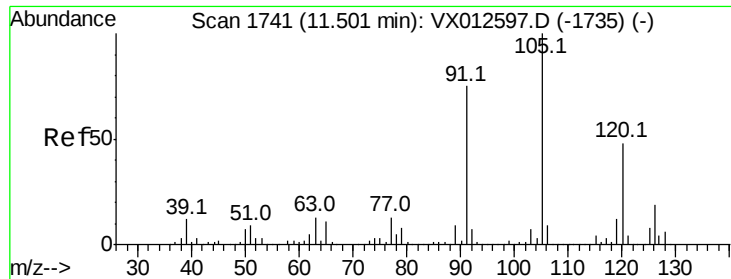
11.35

11.40

11.45

Time-->

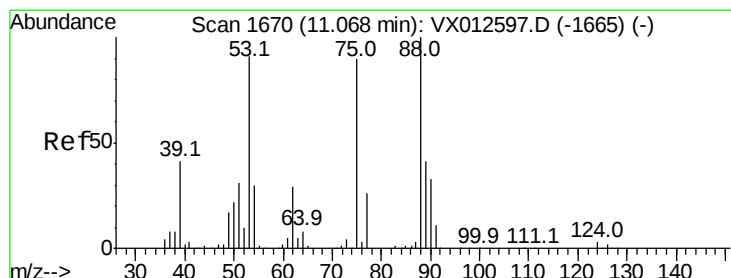
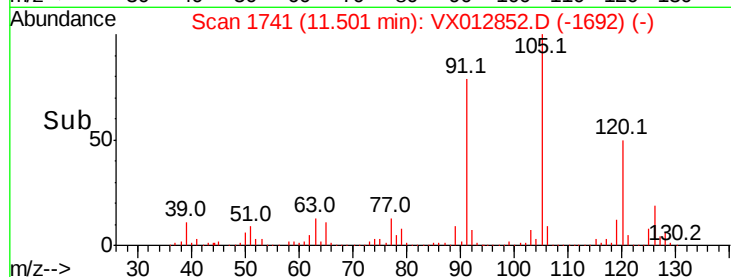
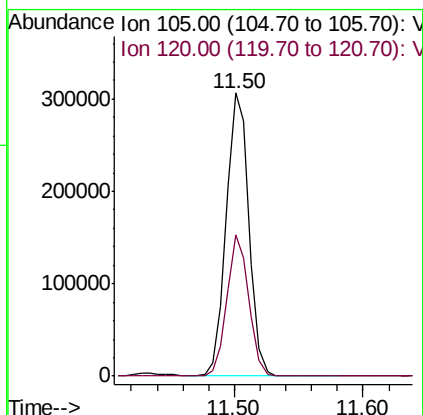
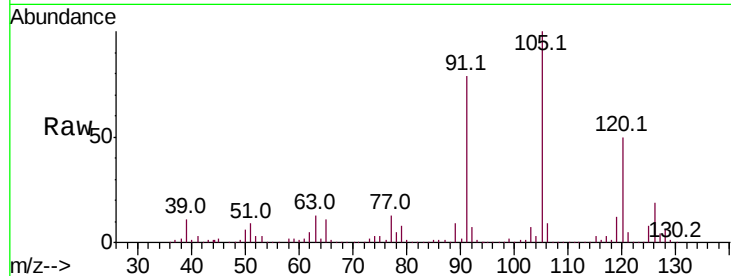




#80
 1,3,5-Trimethylbenzene
 Concen: 46.969 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012852.D
 Acq: 07 Oct 2019 20:40

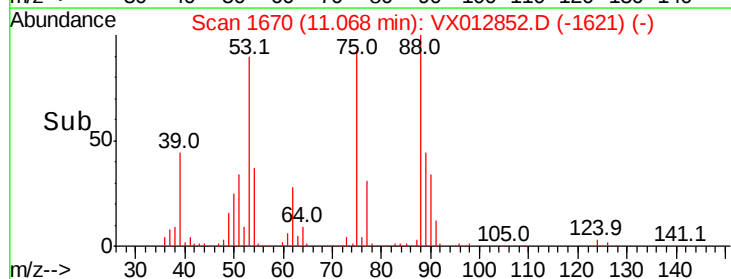
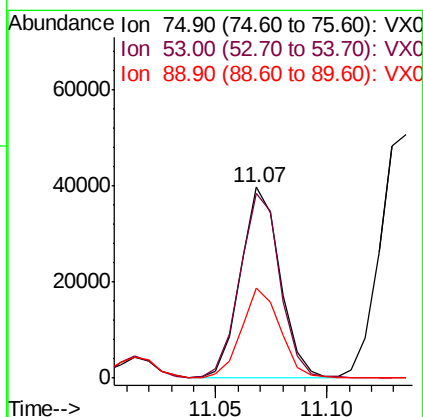
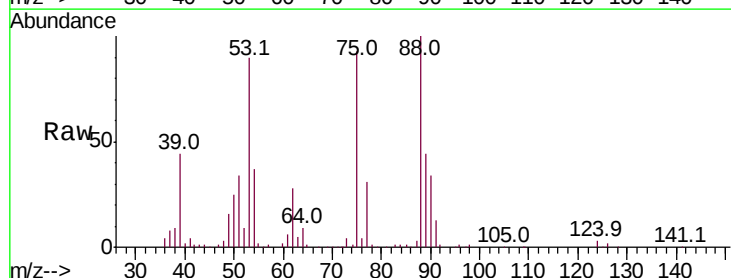
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-103IMS

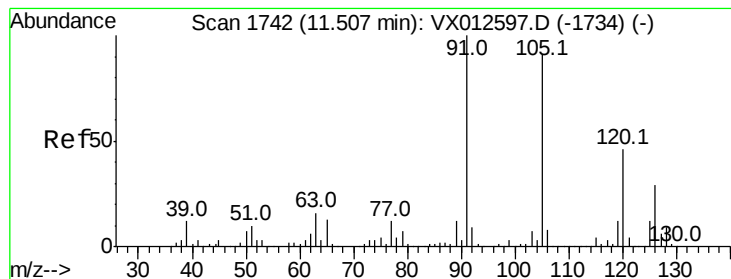
Tot Ion:105 Resp: 379538
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.3 72.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 44.430 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: VX012852.D
 Acq: 07 Oct 2019 20:40

Tgt Ion: 75 Resp: 48520
 Ion Ratio Lower Upper
 75 100
 53 99.1 83.6 125.4
 89 47.0 36.3 54.5





#82

4-Chlorotoluene

Concen: 46.731 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

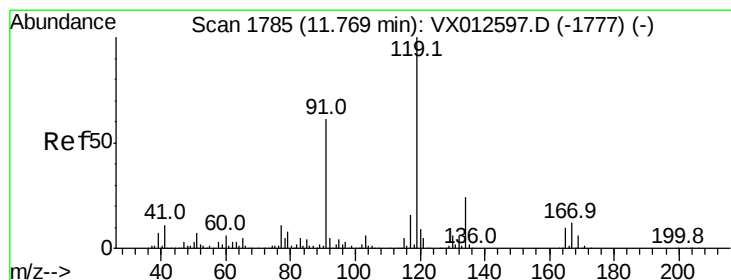
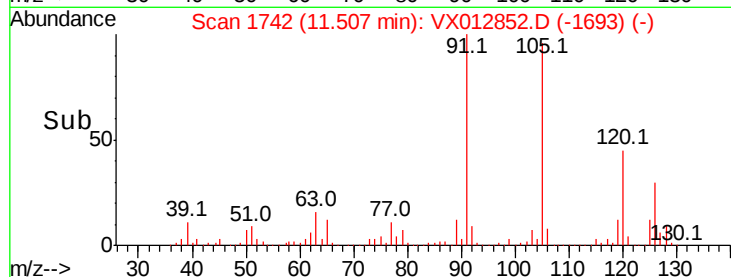
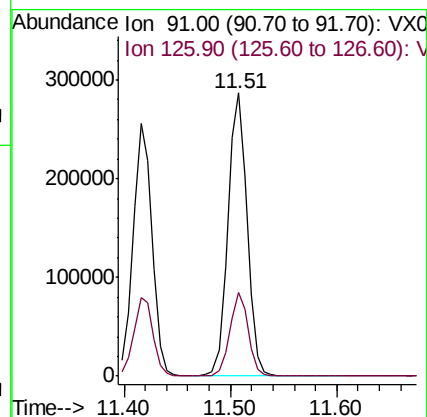
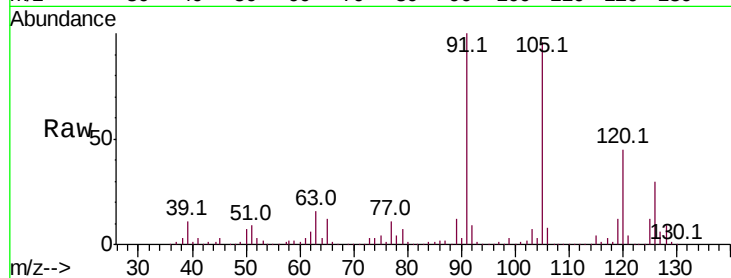
MW-103IMS

Tot Ion: 91 Resp: 360511

Ion Ratio Lower Upper

91 100

126 28.2 14.4 43.0



#83

tert-Butylbenzene

Concen: 47.775 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

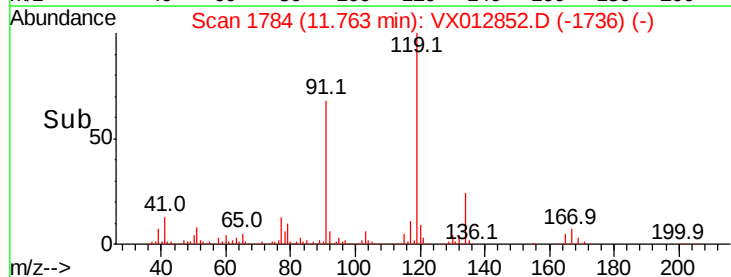
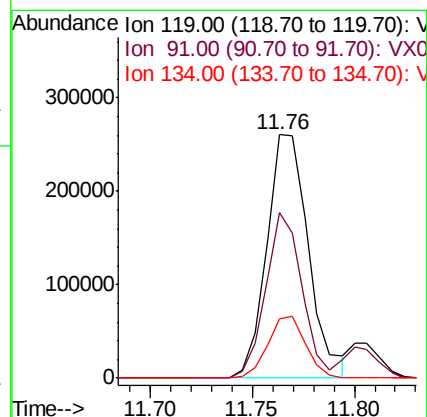
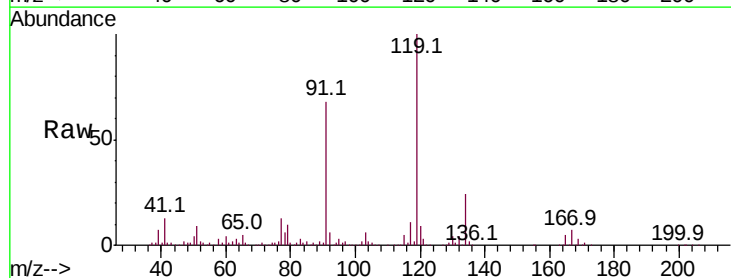
Tgt Ion: 119 Resp: 372397

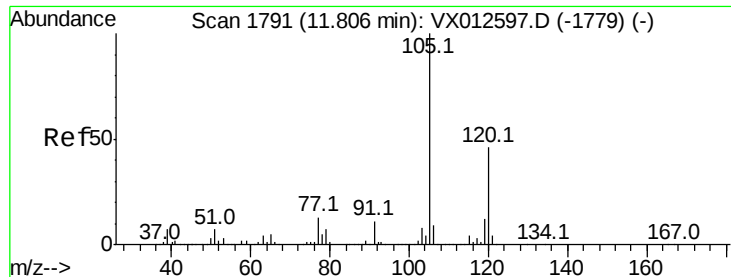
Ion Ratio Lower Upper

119 100

91 59.1 30.0 90.0

134 23.0 11.3 33.9

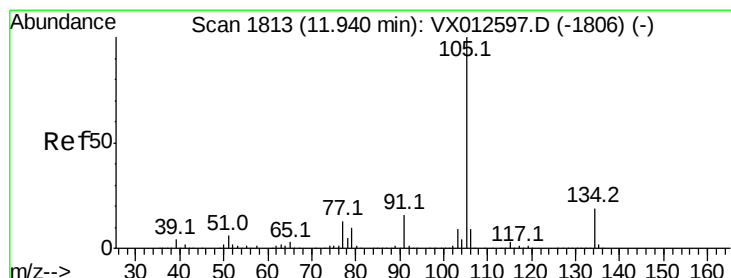
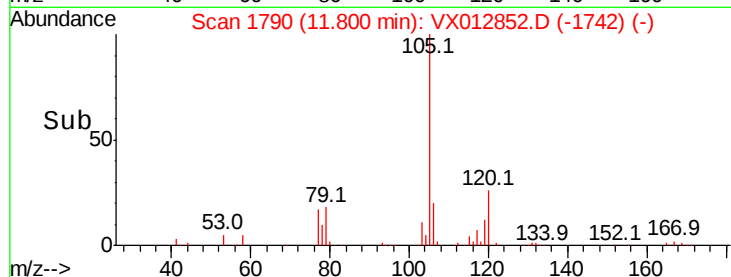
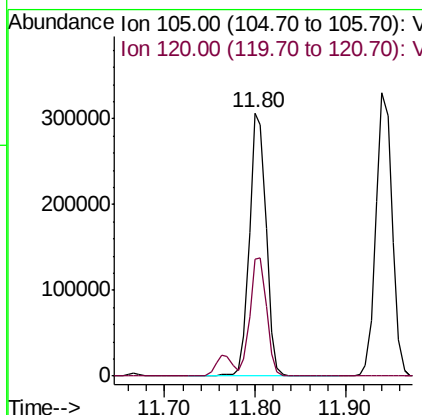
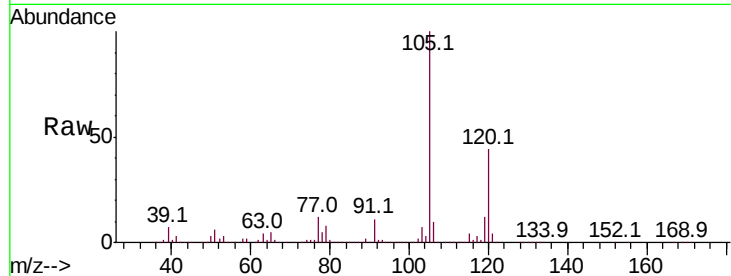




#84
 1,2,4-Trimethylbenzene
 Concen: 48.092 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX012852.D
 Acq: 07 Oct 2019 20:40

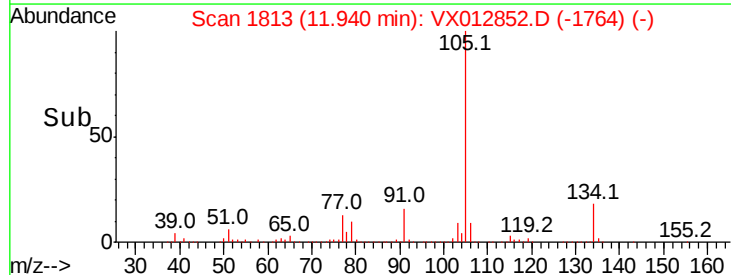
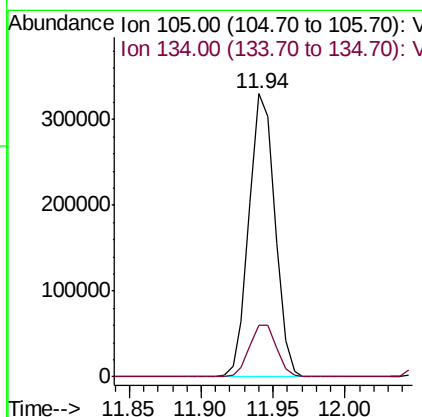
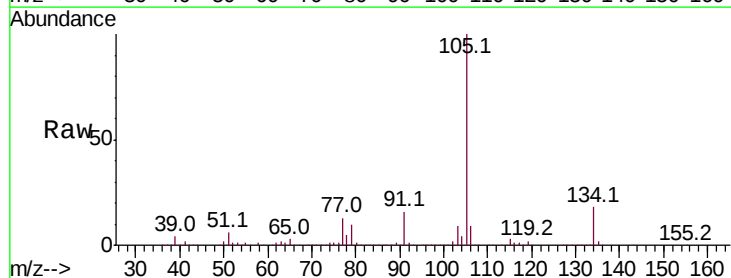
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-103IMS

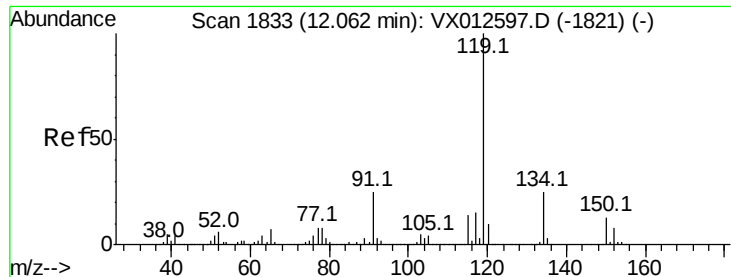
Tot Ion:105 Resp: 392019
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.2 66.6



#85
 sec-Butylbenzene
 Concen: 45.418 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX012852.D
 Acq: 07 Oct 2019 20:40

Tgt Ion:105 Resp: 411766
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.8 29.4

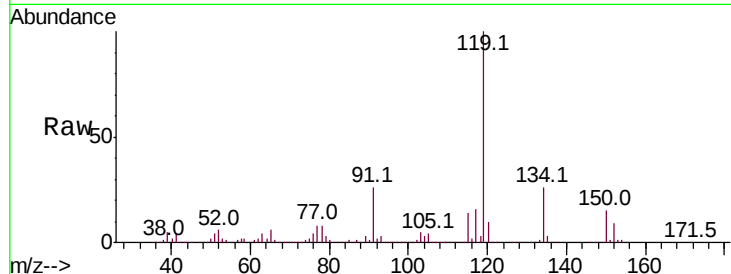




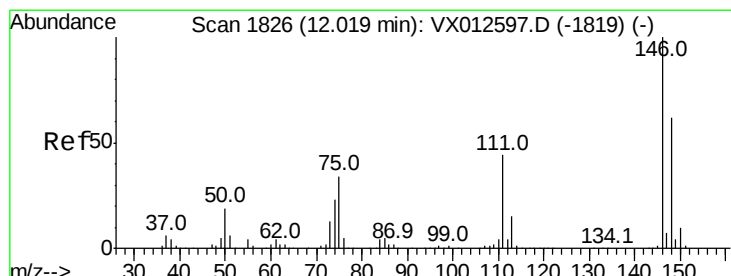
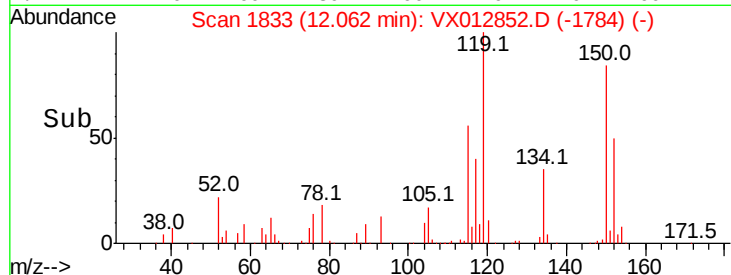
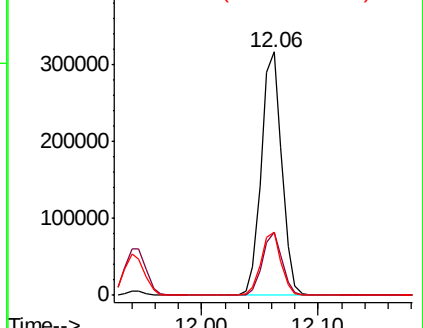
#86
 p-Isopropyltoluene
 Concen: 47.710 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX012852.D
 Acq: 07 Oct 2019 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-103IMS

Tot Ion:119 Resp: 390291
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.7 38.1
 91 25.2 12.8 38.4

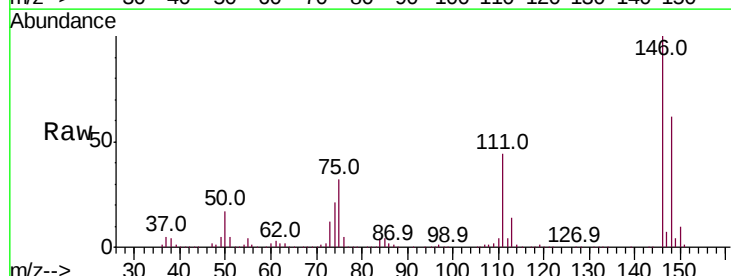


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

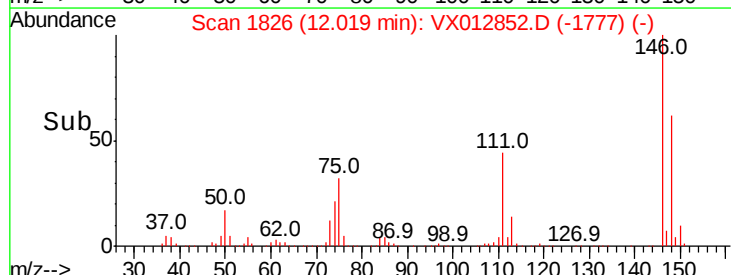
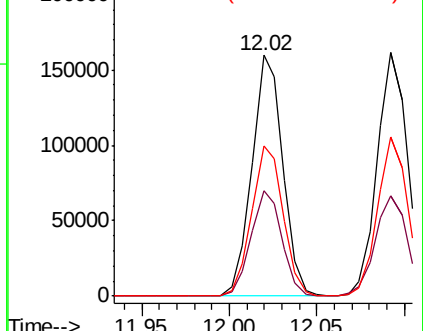


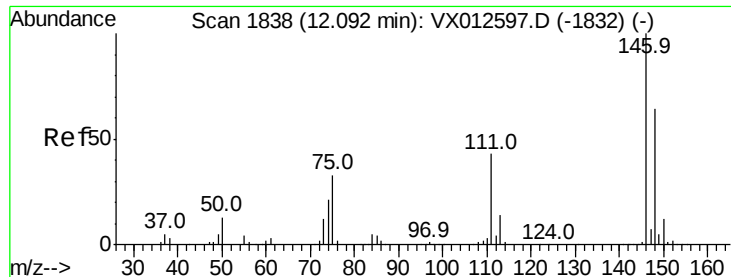
#87
 1,3-Dichlorobenzene
 Concen: 50.257 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012852.D
 Acq: 07 Oct 2019 20:40

Tgt Ion:146 Resp: 197246
 Ion Ratio Lower Upper
 146 100
 111 44.0 21.3 64.0
 148 63.4 32.4 97.2



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

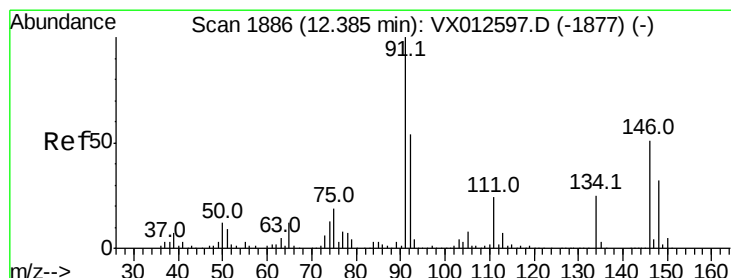
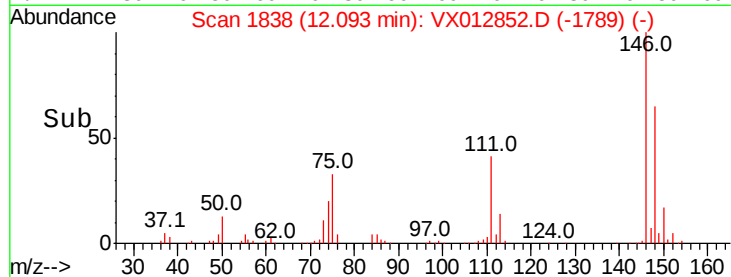
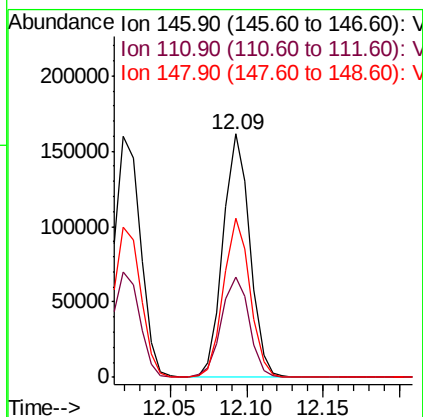
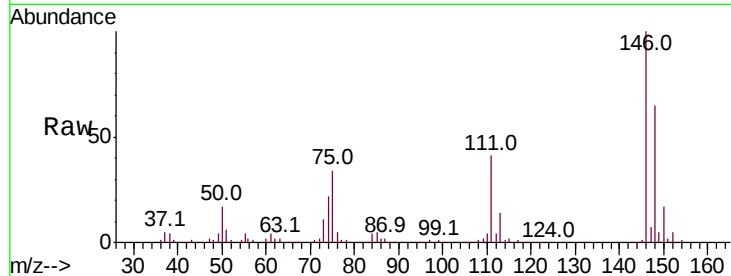




#88
 1,4-Dichlorobenzene
 Concen: 49.294 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012852.D
 Acq: 07 Oct 2019 20:40

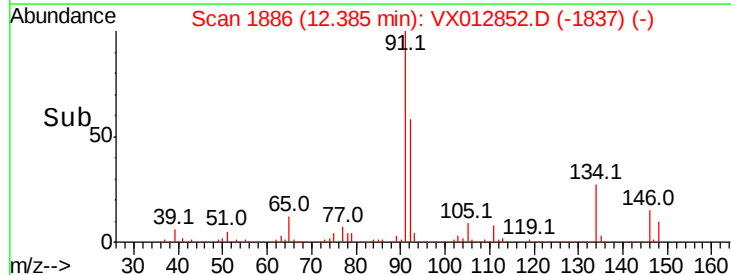
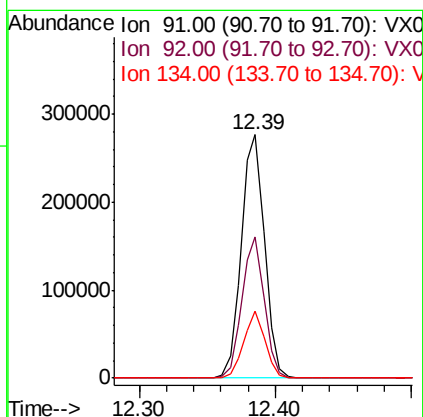
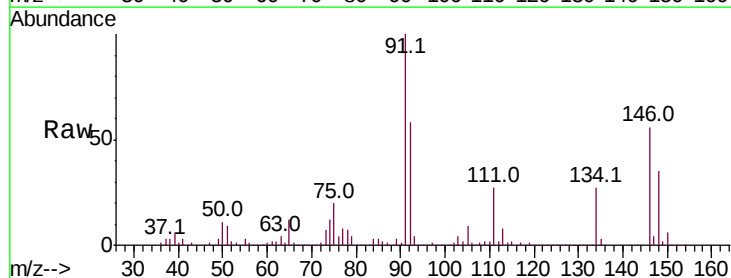
Instrument :
 MSVOA_X
 ClientSampled :
 MW-103IMS

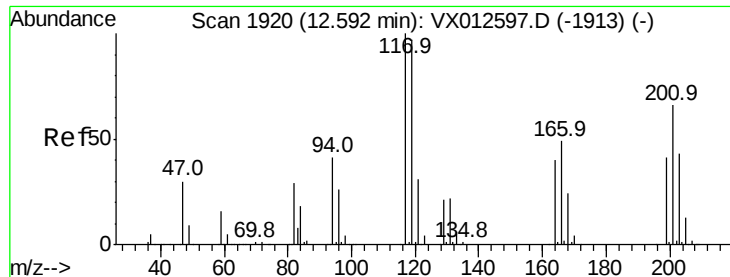
Tot Ion:146 Resp: 195496
 Ion Ratio Lower Upper
 146 100
 111 43.0 21.1 63.3
 148 65.0 32.1 96.5



#89
 n-Butylbenzene
 Concen: 45.450 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012852.D
 Acq: 07 Oct 2019 20:40

Tgt Ion: 91 Resp: 327636
 Ion Ratio Lower Upper
 91 100
 92 55.7 27.7 83.0
 134 25.6 12.9 38.6





#90

Hexachloroethane

Concen: 46.443 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

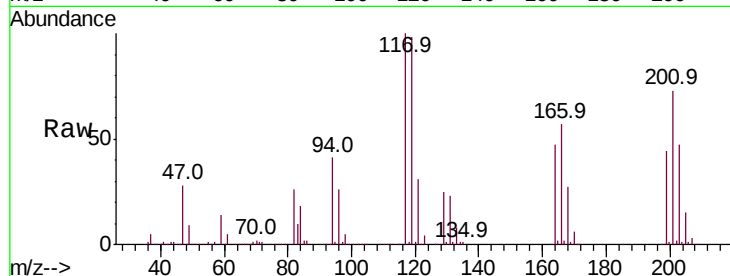
MW-103IMS

Tot Ion:117 Resp: 67734

Ion Ratio Lower Upper

117 100

201 70.2 33.3 99.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

60000

50000

40000

30000

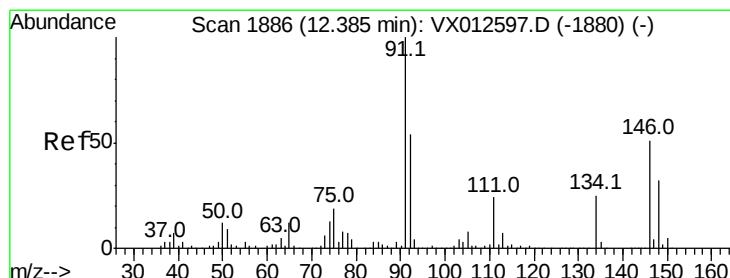
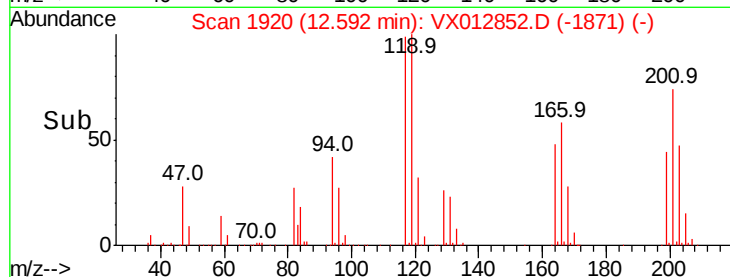
20000

10000

0

12.55 12.60 12.65

Time-->



#91

1,2-Dichlorobenzene

Concen: 49.904 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

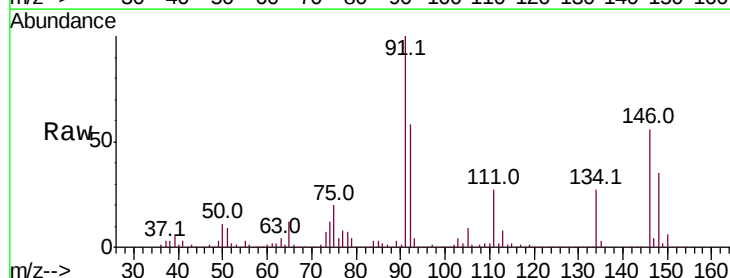
Tgt Ion:146 Resp: 196085

Ion Ratio Lower Upper

146 100

111 45.7 22.1 66.1

148 65.7 31.3 93.9



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

200000

150000

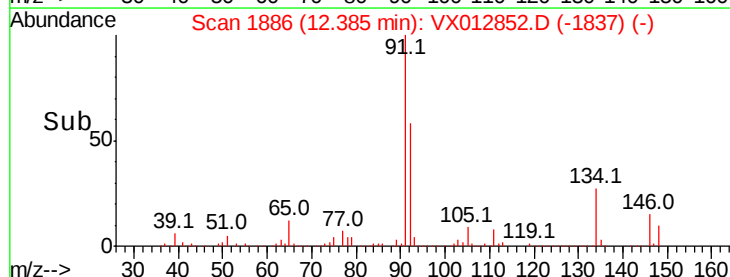
100000

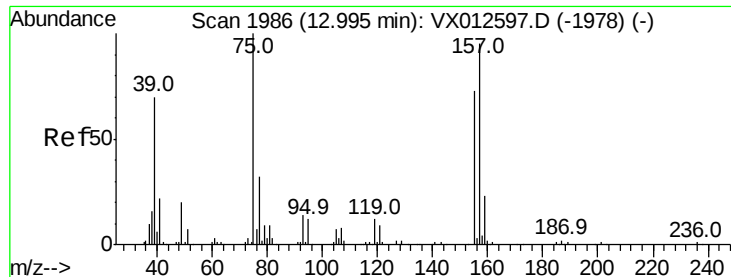
50000

0

12.30 12.35 12.40 12.45

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: 50.193 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

MW-103IMS

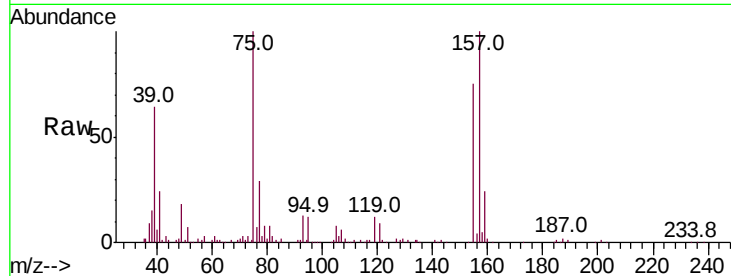
Tot Ion: 75 Resp: 40069

Ion Ratio Lower Upper

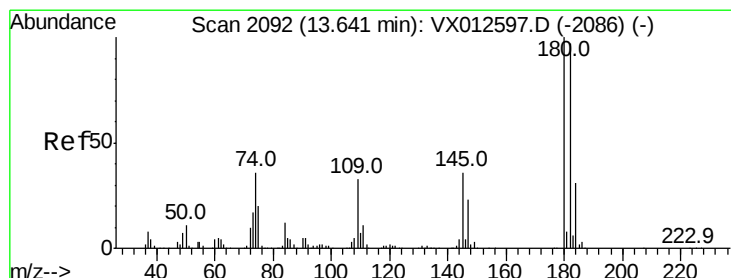
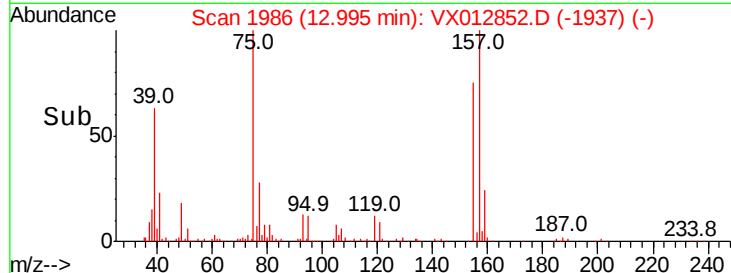
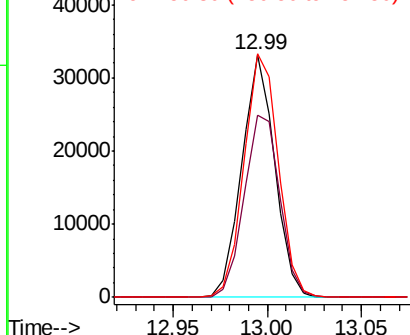
75 100

155 82.0 38.6 115.8

157 105.0 50.6 151.9



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: 52.370 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX012852.D

Acq: 07 Oct 2019 20:40

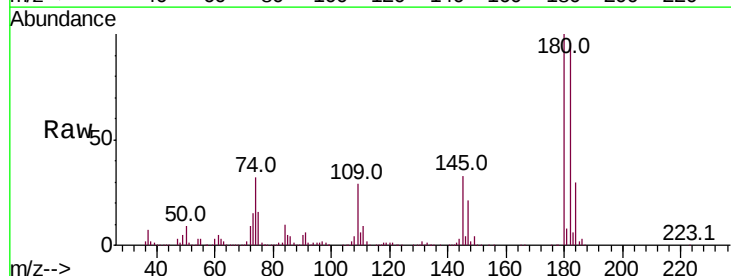
Tgt Ion:180 Resp: 125492

Ion Ratio Lower Upper

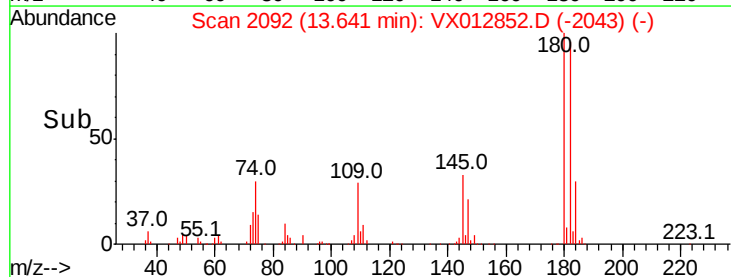
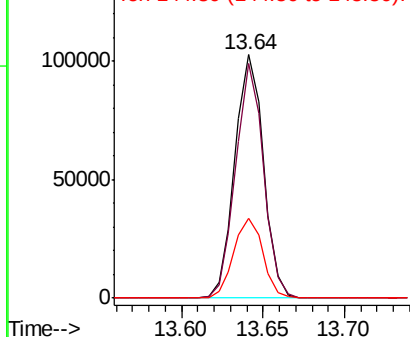
180 100

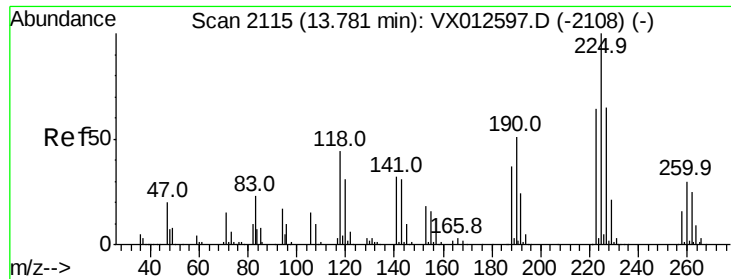
182 94.0 47.0 141.0

145 33.5 16.8 50.4



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

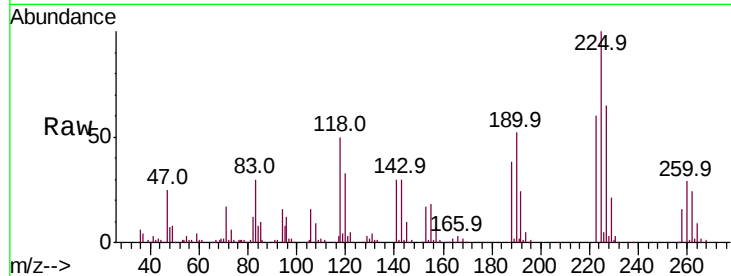




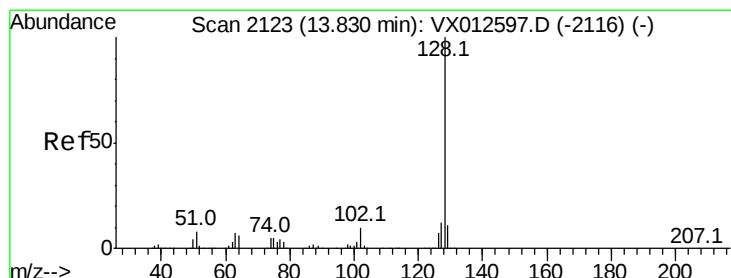
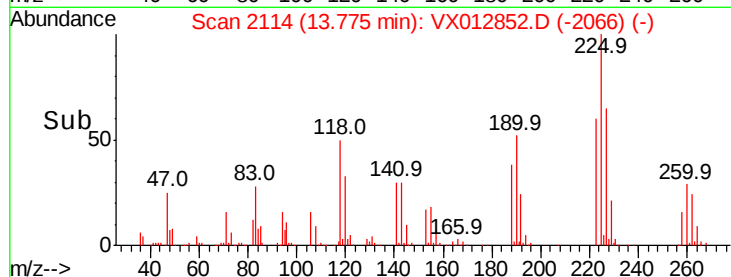
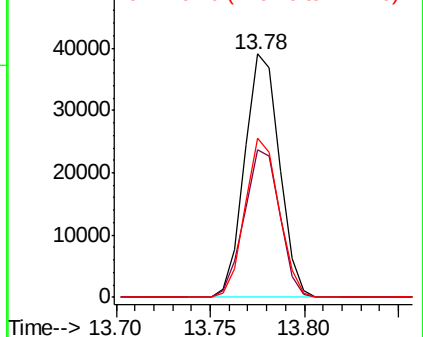
#94
Hexachlorobutadiene
Concen: 48.738 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. -0.01 min
Lab File: VX012852.D
Acq: 07 Oct 2019 20:40

Instrument :
MSVOA_X
ClientSampled :
MW-103IMS

Tot Ion:225 Resp: 50243
Ion Ratio Lower Upper
225 100
223 61.2 32.0 96.2
227 63.6 31.9 95.5

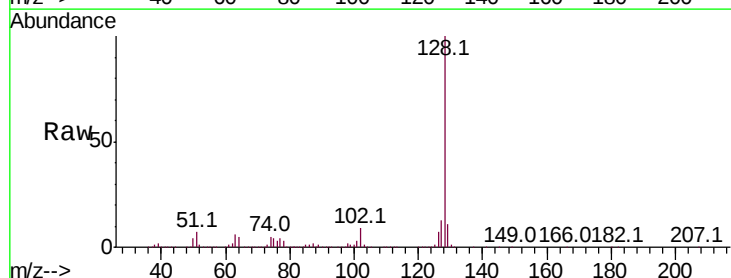


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

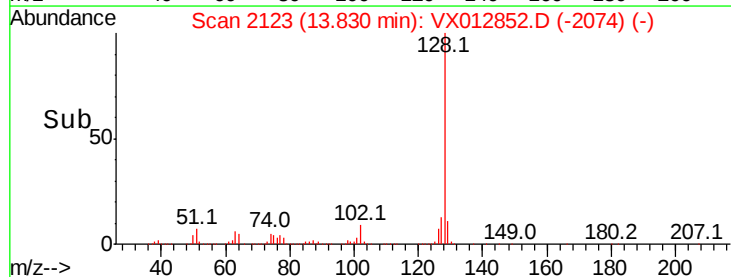
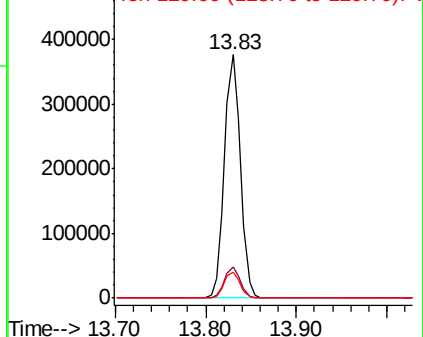


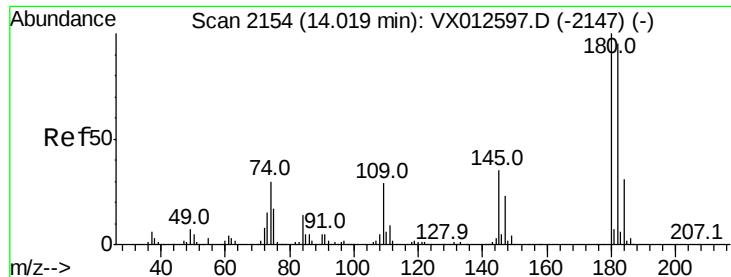
#95
Naphthalene
Concen: 53.309 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012852.D
Acq: 07 Oct 2019 20:40

Tgt Ion:128 Resp: 462177
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 10.9 8.8 13.2



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

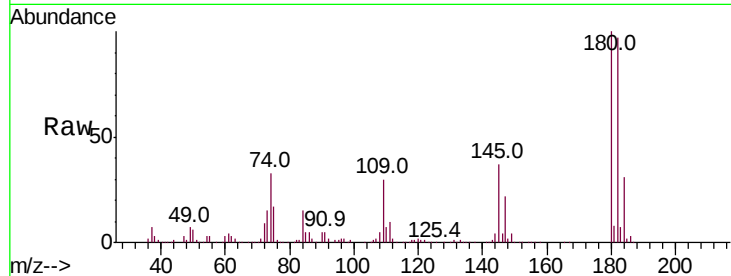




#96
 1,2,3-Trichlorobenzene
 Concen: 52.018 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX012852.D
 Acq: 07 Oct 2019 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-103IMS

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.1	141.3
145	36.0	18.0	54.0



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

