

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092718\
 Data File : VX004808.D
 Acq On : 28 Sep 2018 07:17
 Operator : JC/MD
 Sample : J5020-09MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-MW-7-10.0-091918MS

Quant Time: Sep 28 08:25:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	235460	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	349306	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	336393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	205057	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	177185	52.68	ug/l	0.00
Spiked Amount			Recovery	=	105.36%	
35) Dibromofluoromethane	5.50	113	142731	48.21	ug/l	0.00
Spiked Amount			Recovery	=	96.42%	
50) Toluene-d8	8.71	98	524977	53.34	ug/l	0.00
Spiked Amount			Recovery	=	106.68%	
62) 4-Bromofluorobenzene	11.14	95	193859	54.68	ug/l	0.00
Spiked Amount			Recovery	=	109.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	159727	49.753	ug/l	95
3) Chloromethane	1.32	50	208172	53.446	ug/l	100
4) Vinyl Chloride	1.40	62	203814	55.791	ug/l	97
5) Bromomethane	1.64	94	87017	40.169	ug/l	97
6) Chloroethane	1.71	64	138726	70.642	ug/l	100
7) Trichlorofluoromethane	1.92	101	246224	54.443	ug/l	96
8) Diethyl Ether	2.19	74	104776	53.328	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.38	101	117263	45.518	ug/l	99
10) Methyl Iodide	2.51	142	126509	36.698	ug/l	98
11) Tert butyl alcohol	3.07	59	241134	256.395	ug/l	100
12) 1,1-Dichloroethene	2.37	96	136305	53.426	ug/l	93
13) Acrolein	2.29	56	143893	215.039	ug/l	93
14) Allyl chloride	2.73	41	296961	53.346	ug/l	95
15) Acrylonitrile	3.15	53	548988	265.166	ug/l	97
16) Acetone	2.45	43	494945	252.046	ug/l	95
17) Carbon Disulfide	2.57	76	415237	54.164	ug/l	99
18) Methyl Acetate	2.78	43	268180	53.903	ug/l	93
19) Methyl tert-butyl Ether	3.20	73	524221	59.569	ug/l	97
20) Methylene Chloride	2.85	84	163297	57.317	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	150225	53.789	ug/l	97
22) Diisopropyl ether	3.87	45	530053	56.546	ug/l	94
23) Vinyl Acetate	3.82	43	2205268	257.012	ug/l	96
24) 1,1-Dichloroethane	3.70	63	280085	50.090	ug/l	99
25) 2-Butanone	4.70	43	744011	257.038	ug/l	93
26) 2,2-Dichloropropane	4.58	77	133985	34.410	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	173889	55.734	ug/l	95
28) Bromochloromethane	5.01	49	139168	52.852	ug/l	90
29) Tetrahydrofuran	5.15	42	482805	268.363	ug/l	92
30) Chloroform	5.21	83	272262	51.520	ug/l	96
31) Cyclohexane	5.57	56	227541	53.168	ug/l	90
32) 1,1,1-Trichloroethane	5.49	97	232374	53.842	ug/l	99
36) 1,1-Dichloropropene	5.79	75	206433	51.109	ug/l	100
37) Ethyl Acetate	4.86	43	258616	48.236	ug/l	98
38) Carbon Tetrachloride	5.78	117	208276	49.054	ug/l	88

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	192012	46.555	ug/l	95
40) Benzene	6.14	78	635728	50.274	ug/l	100
41) Methacrylonitrile	5.06	41	149237	50.191	ug/l	96
42) 1,2-Dichloroethane	6.20	62	223486	49.995	ug/l	97
43) Isopropyl Acetate	6.46	43	404143	52.225	ug/l	95
44) Trichloroethene	7.21	130	159446	51.292	ug/l	92
45) 1,2-Dichloropropane	7.52	63	166387	53.656	ug/l	100
46) Dibromomethane	7.66	93	105448	54.108	ug/l	97
47) Bromodichloromethane	7.90	83	205787	56.399	ug/l	100
48) Methyl methacrylate	7.77	41	212132	60.395	ug/l	95
49) 1,4-Dioxane	7.76	88	80622	923.909	ug/l	93
51) 4-Methyl-2-Pentanone	8.65	43	1410564	289.493	ug/l	96
52) Toluene	8.79	92	386680	55.651	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	214839	52.104	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	227711	52.726	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	160022	52.577	ug/l	97
56) Ethyl methacrylate	9.18	69	254822	51.503	ug/l	95
57) 1,3-Dichloropropane	9.37	76	271056	53.510	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	1999	14.961	ug/l #	45
59) 2-Hexanone	9.50	43	1110880	273.590	ug/l	94
60) Dibromochloromethane	9.59	129	163980	53.873	ug/l	99
61) 1,2-Dibromoethane	9.68	107	166612	51.115	ug/l	100
64) Tetrachloroethene	9.34	164	142604	43.072	ug/l	97
65) Chlorobenzene	10.14	112	424916	49.260	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	154098	50.815	ug/l	99
67) Ethyl Benzene	10.26	91	724514	52.904	ug/l	99
68) m/p-Xylenes	10.36	106	568156	106.166	ug/l	94
69) o-Xylene	10.70	106	273650	55.672	ug/l	96
70) Styrene	10.71	104	458469	49.875	ug/l	97
71) Bromoform	10.86	173	134246	51.708	ug/l #	99
73) Isopropylbenzene	11.02	105	800508	61.935	ug/l	99
74) N-amyl acetate	10.90	43	347611	48.968	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	266223	50.600	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	289560	63.002	ug/l	88
77) Bromobenzene	11.26	156	195709	52.131	ug/l	97
78) n-propylbenzene	11.36	91	854011	57.587	ug/l	100
79) 2-Chlorotoluene	11.42	91	498431	53.921	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	612985	51.752	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	66136	39.674	ug/l	99
82) 4-Chlorotoluene	11.51	91	590003	54.227	ug/l	100
83) tert-Butylbenzene	11.77	119	629685	59.172	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	633278	51.844	ug/l	98
85) sec-Butylbenzene	11.94	105	783941	60.481	ug/l	99
86) p-Isopropyltoluene	12.07	119	639801	54.481	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	358135	51.088	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	362010	50.026	ug/l	99
89) n-Butylbenzene	12.39	91	575418	53.952	ug/l	98
90) Hexachloroethane	12.60	117	104281	53.334	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	366194	49.986	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	65120	56.370	ug/l	93

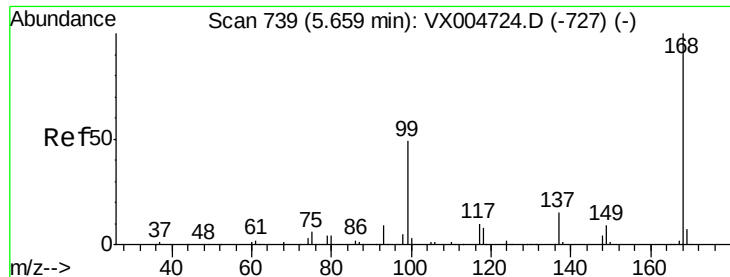
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	275471	53.604	ug/l	99
94) Hexachlorobutadiene	13.79	225	115390	43.301	ug/l	97
95) Naphthalene	13.83	128	905194	53.026	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	281055	52.943	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX004808.D

Acq: 28 Sep 2018 07:17

Instrument :

MSVOA_X

ClientSampleId :

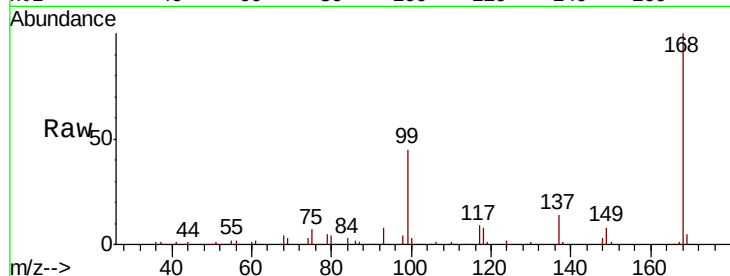
T3-MW-7-10.0-091918MS

Tot Ion:168 Resp: 235460

Ion Ratio Lower Upper

168 100

99 44.3 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): VX004724.D (-727) (-)

Ion 98.90 (98.60 to 99.60): VX004724.D (-727) (-)

5.65

80000

60000

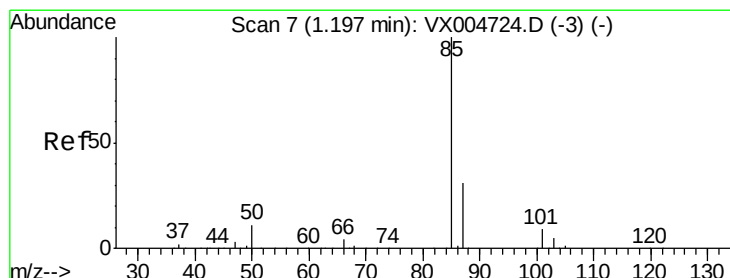
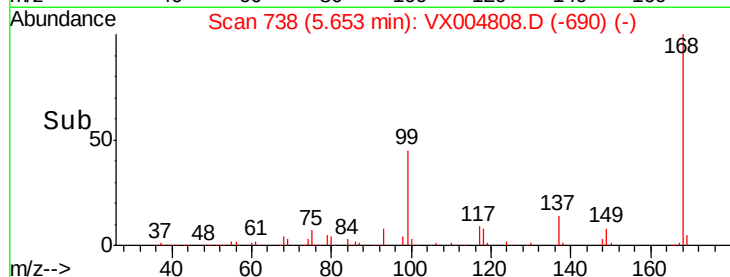
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 49.753 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX004808.D

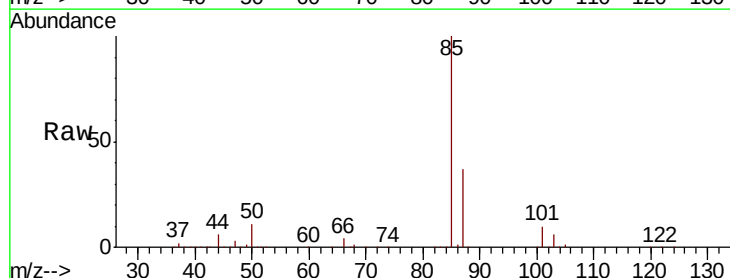
Acq: 28 Sep 2018 07:17

Tgt Ion: 85 Resp: 159727

Ion Ratio Lower Upper

85 100

87 36.7 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX004724.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VX004724.D (-3) (-)

1.20

150000

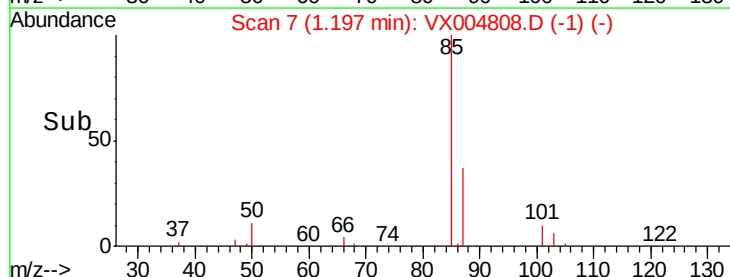
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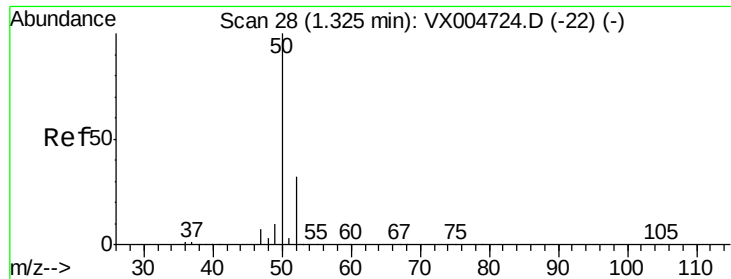
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 53.446 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX004808.D

Acq: 28 Sep 2018 07:17

Instrument :

MSVOA_X

ClientSampleId :

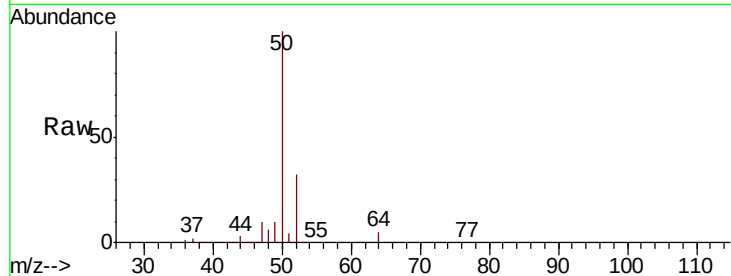
T3-MW-7-10.0-091918MS

Tot Ion: 50 Resp: 208172

Ion Ratio Lower Upper

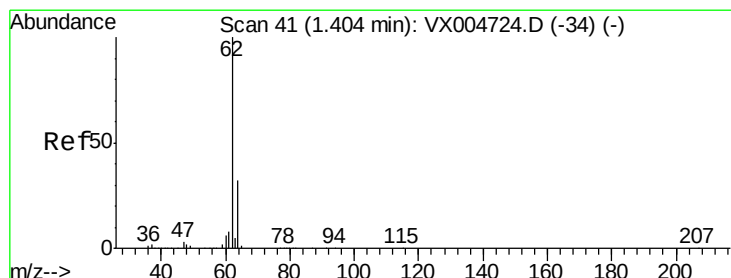
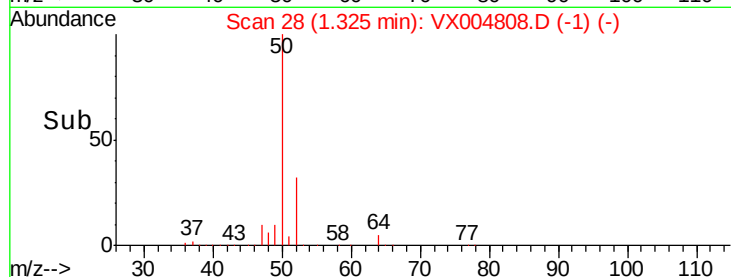
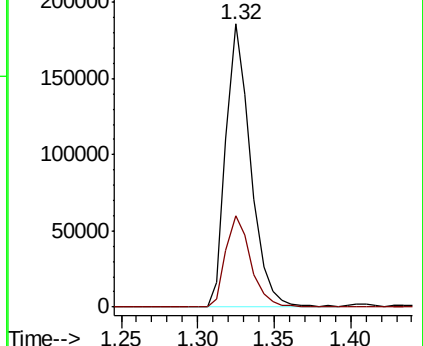
50 100

52 32.4 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 55.791 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004808.D

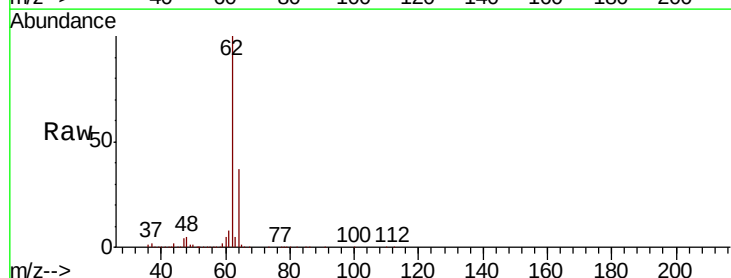
Acq: 28 Sep 2018 07:17

Tgt Ion: 62 Resp: 203814

Ion Ratio Lower Upper

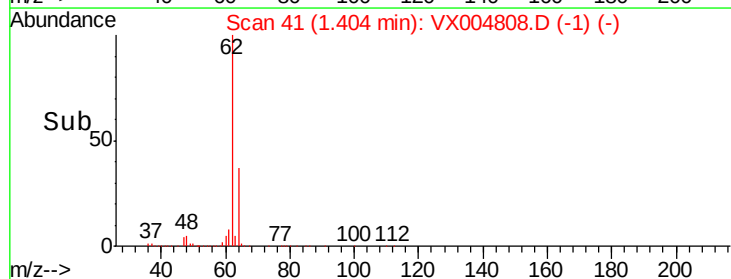
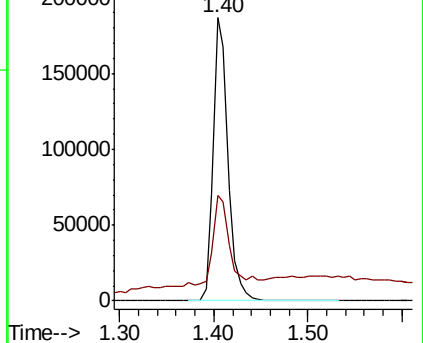
62 100

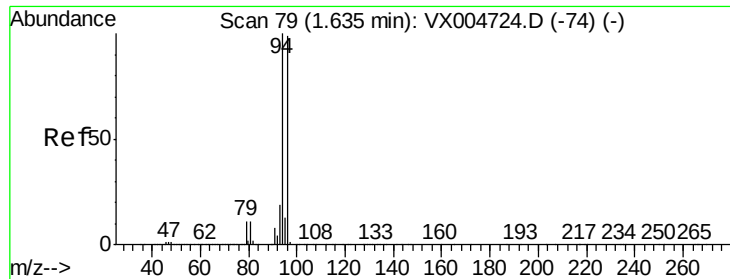
64 30.8 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 40.169 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004808.D

Acq: 28 Sep 2018 07:17

Instrument :

MSVOA_X

ClientSampleId :

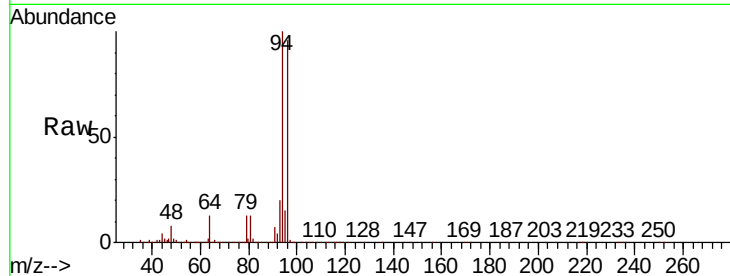
T3-MW-7-10.0-091918MS

Tot Ion: 94 Resp: 87017

Ion Ratio Lower Upper

94 100

96 96.3 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

100000

80000

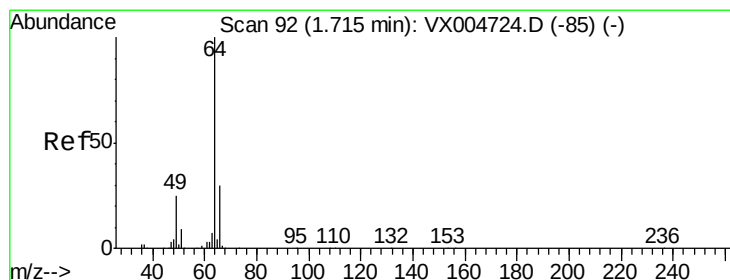
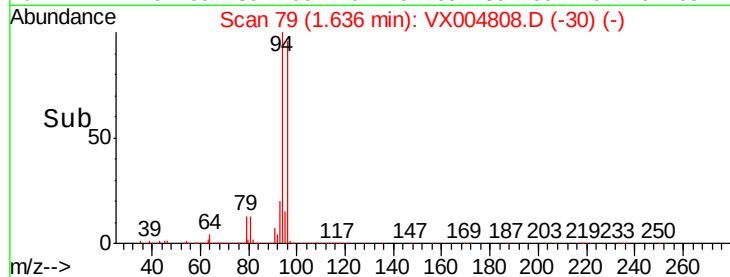
60000

40000

20000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 70.642 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX004808.D

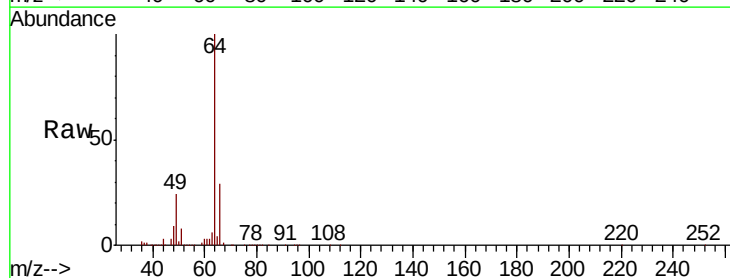
Acq: 28 Sep 2018 07:17

Tgt Ion: 64 Resp: 138726

Ion Ratio Lower Upper

64 100

66 30.8 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

100000

80000

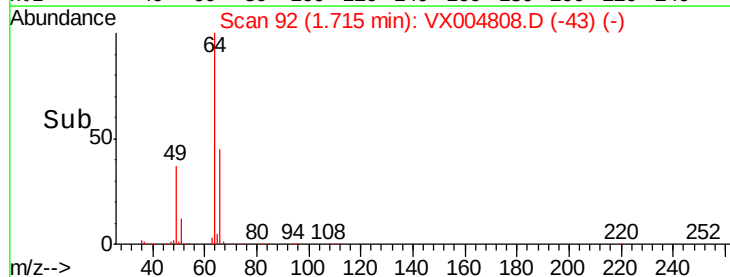
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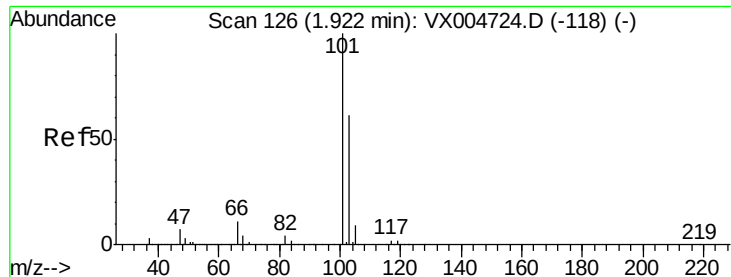
40000

20000

0

Time--> 1.70 1.80



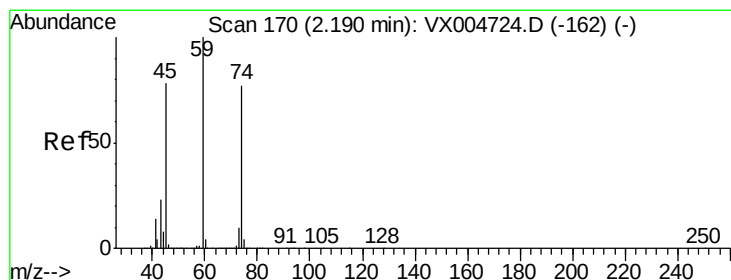
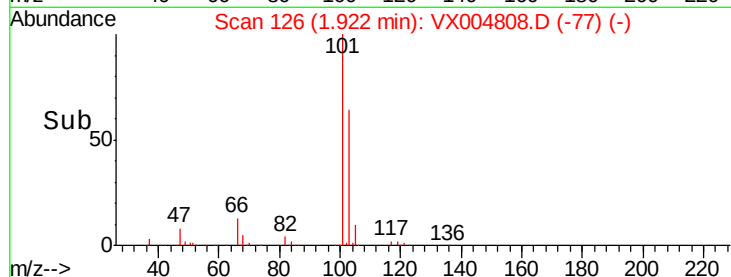
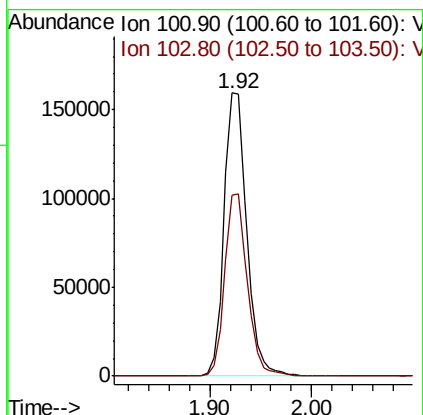
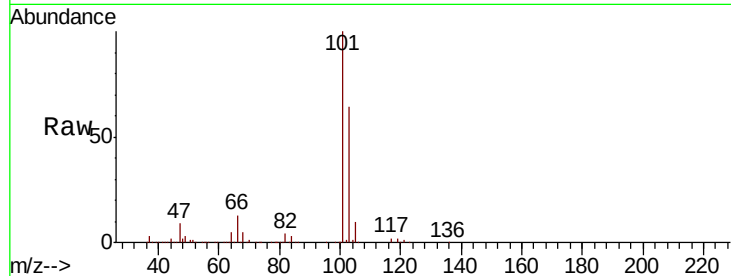


#7

Trichlorofluoromethane
 Concen: 54.443 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX004808.D
 Acq: 28 Sep 2018 07:17

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-MW-7-10.0-091918MS

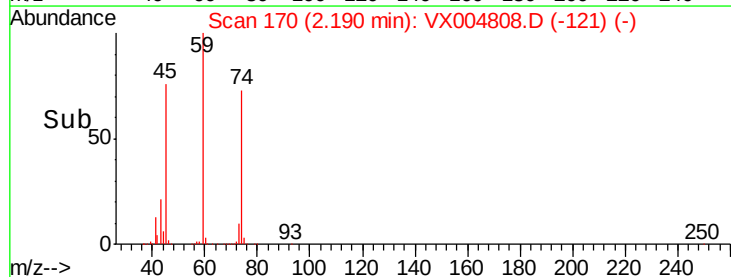
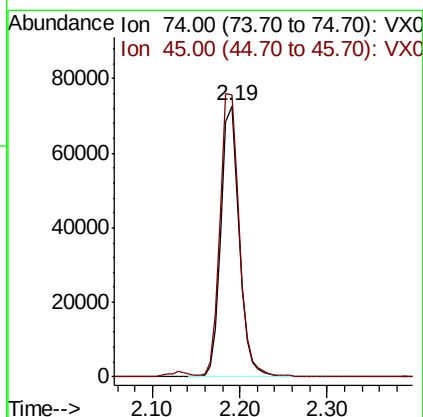
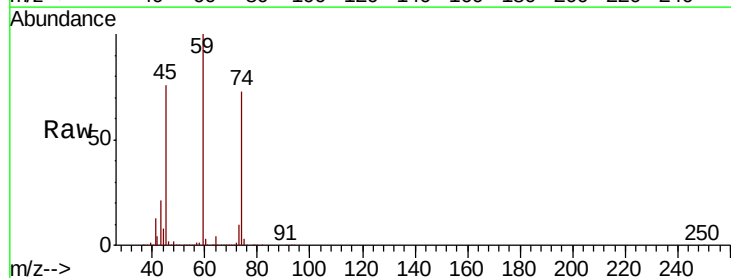
Tot Ion:101 Resp: 246224
 Ion Ratio Lower Upper
 101 100
 103 64.1 48.9 73.3

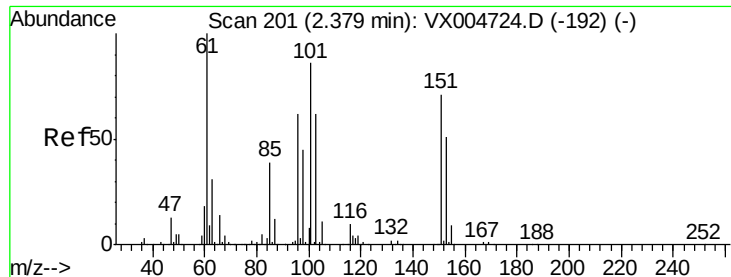


#8

Diethyl Ether
 Concen: 53.328 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX004808.D
 Acq: 28 Sep 2018 07:17

Tgt Ion: 74 Resp: 104776
 Ion Ratio Lower Upper
 74 100
 45 108.6 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.518 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX004808.D

Acq: 28 Sep 2018 07:17

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-7-10.0-091918MS

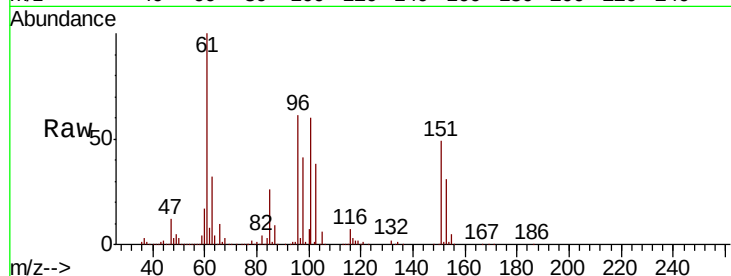
Tot Ion:101 Resp: 117263

Ion Ratio Lower Upper

101 100

85 43.4 34.2 51.4

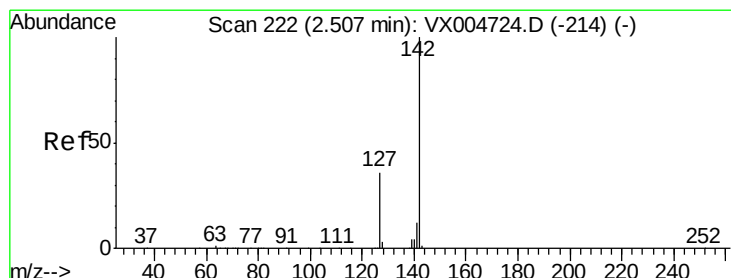
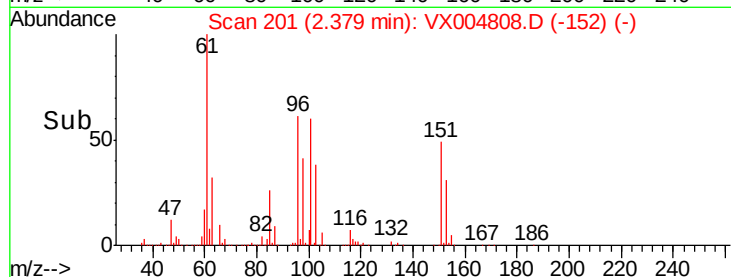
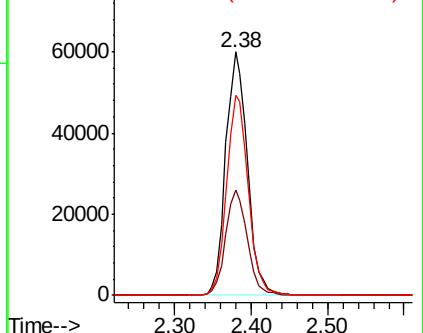
151 81.9 65.0 97.6



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: 36.698 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX004808.D

Acq: 28 Sep 2018 07:17

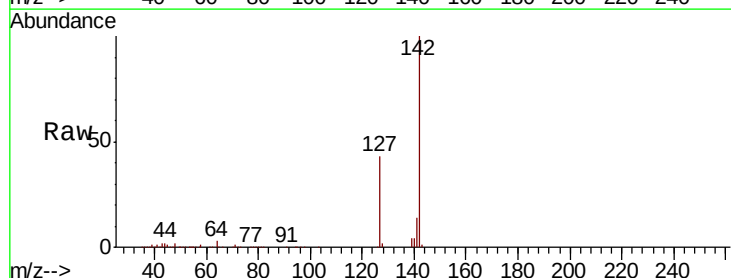
Tgt Ion:142 Resp: 126509

Ion Ratio Lower Upper

142 100

127 43.9 33.8 50.6

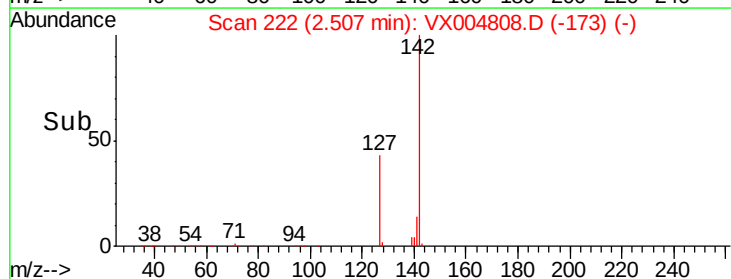
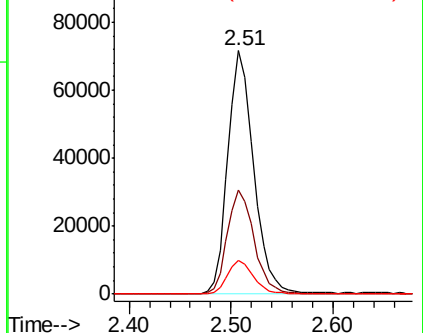
141 14.0 11.4 17.0

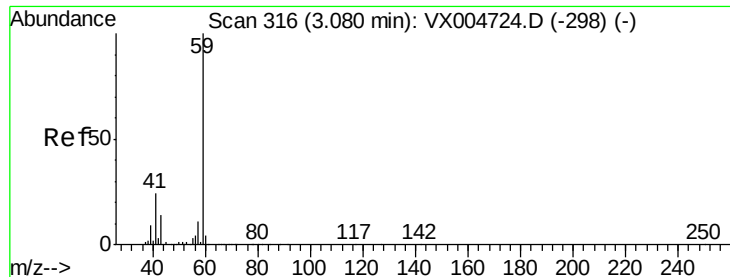


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

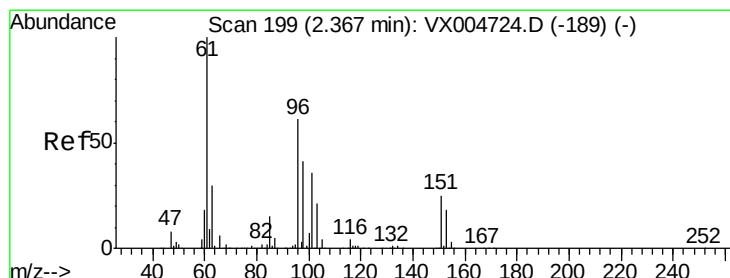
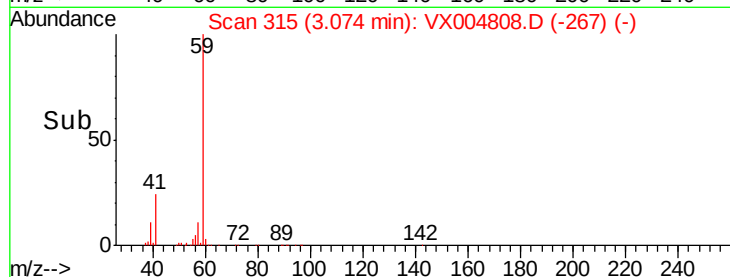
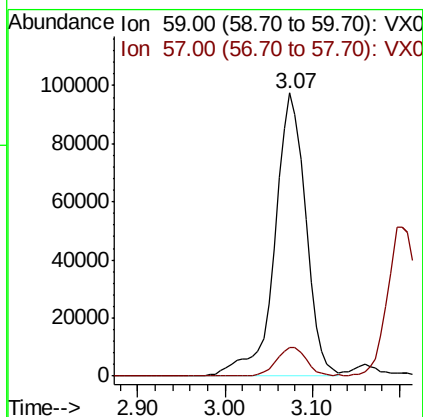
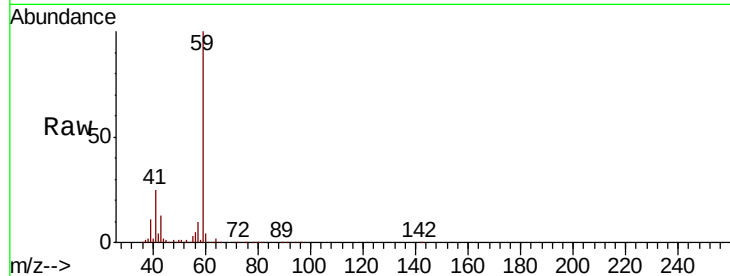




#11
Tert butyl alcohol
Concen: 256.395 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX004808.D
Acq: 28 Sep 2018 07:17

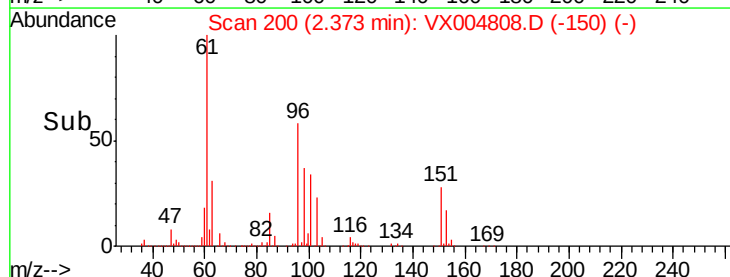
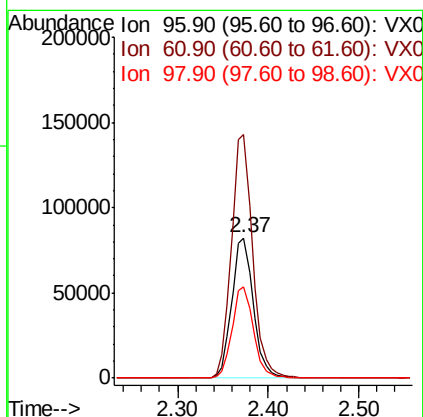
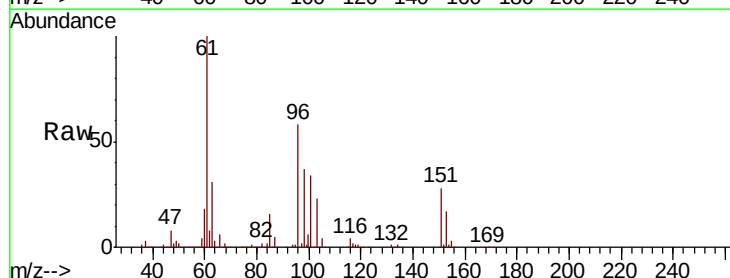
Instrument :
MSVOA_X
ClientSampleId :
T3-MW-7-10.0-091918MS

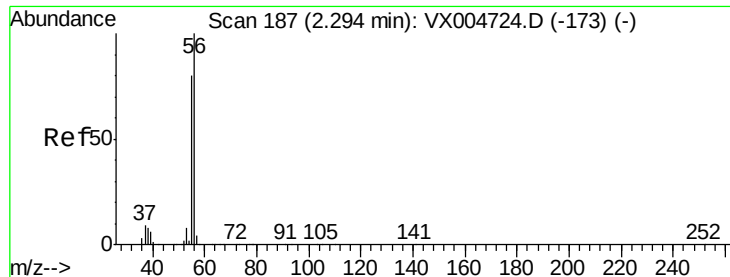
Tot Ion: 59 Resp: 241134
Ion Ratio Lower Upper
59 100
57 10.1 8.2 12.4



#12
1,1-Dichloroethene
Concen: 53.426 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX004808.D
Acq: 28 Sep 2018 07:17

Tgt Ion: 96 Resp: 136305
Ion Ratio Lower Upper
96 100
61 173.3 128.8 193.2
98 64.8 52.2 78.2





#13

Acrolein

Concen: 215.039 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004808.D

Acq: 28 Sep 2018 07:17

Instrument :

MSVOA_X

ClientSampleId :

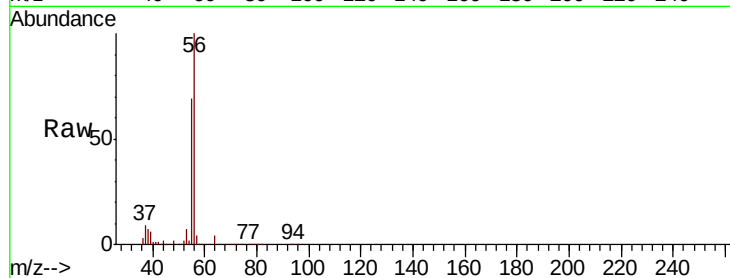
T3-MW-7-10.0-091918MS

Tot Ion: 56 Resp: 143893

Ion Ratio Lower Upper

56 100

55 73.7 54.7 82.1



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

100000

80000

60000

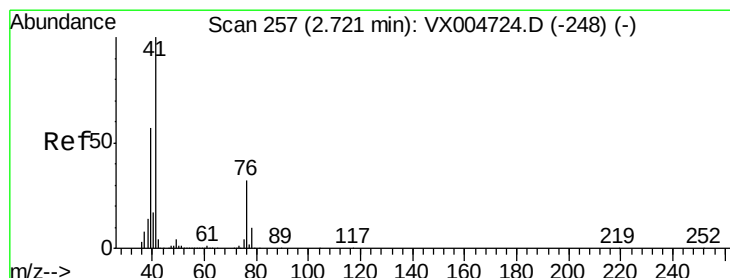
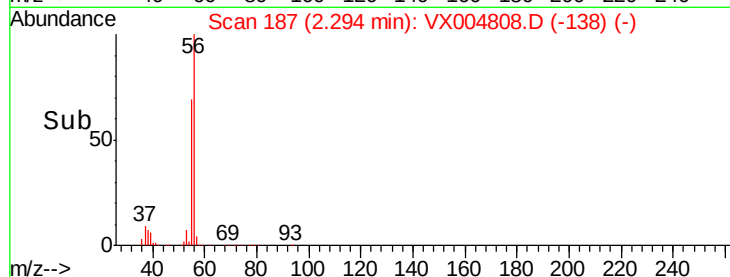
40000

20000

0

Time-->

2.20 2.30 2.40



#14

Allyl chloride

Concen: 53.346 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX004808.D

Acq: 28 Sep 2018 07:17

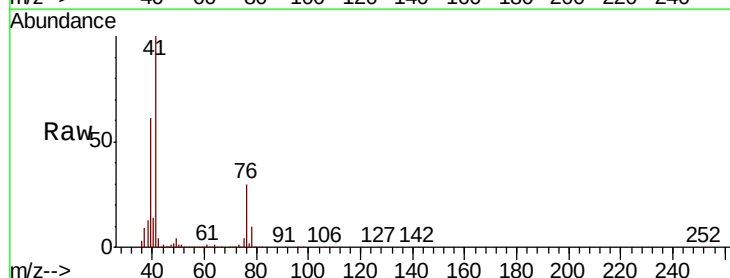
Tgt Ion: 41 Resp: 296961

Ion Ratio Lower Upper

41 100

39 58.5 48.9 73.3

76 28.3 26.7 40.1



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

2.73

200000

150000

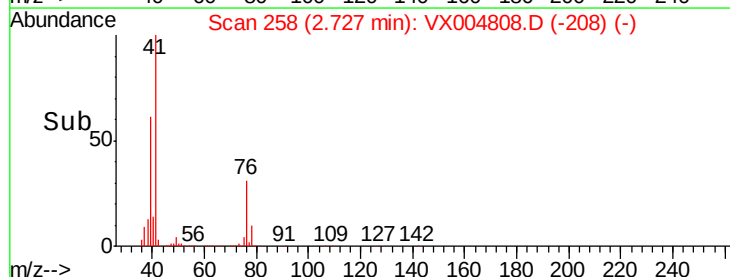
100000

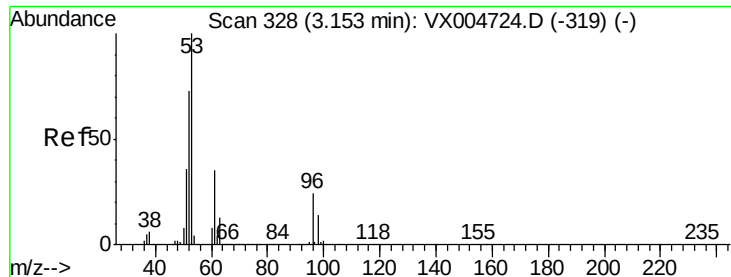
50000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 265.166 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX004808.D

Acq: 28 Sep 2018 07:17

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-7-10.0-091918MS

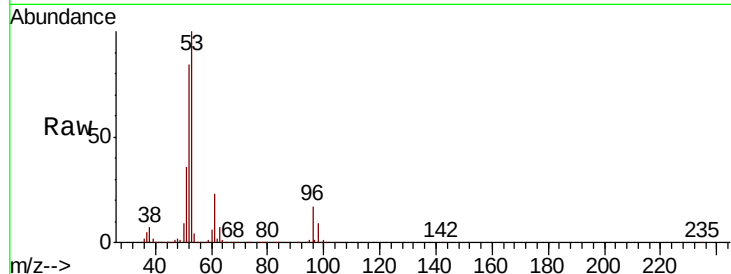
Tot Ion: 53 Resp: 548988

Ion Ratio Lower Upper

53 100

52 84.3 65.2 97.8

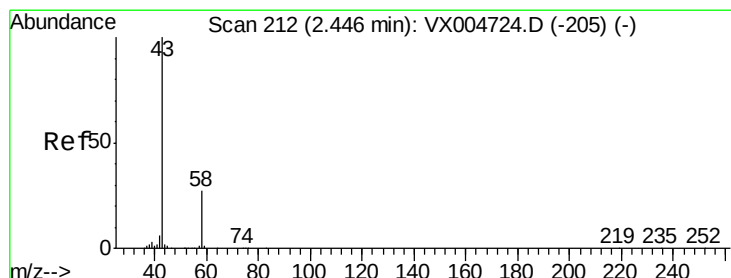
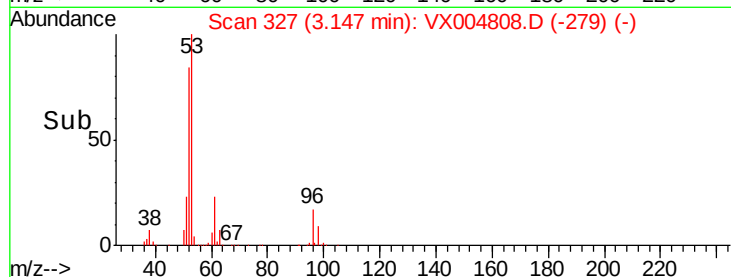
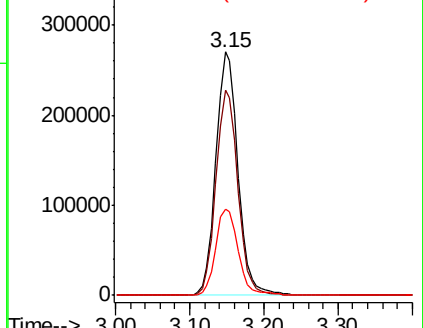
51 36.8 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 252.046 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004808.D

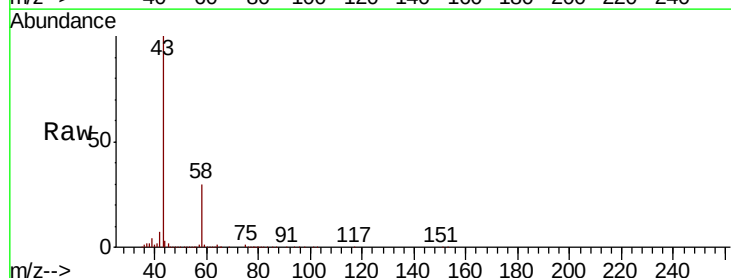
Acq: 28 Sep 2018 07:17

Tgt Ion: 43 Resp: 494945

Ion Ratio Lower Upper

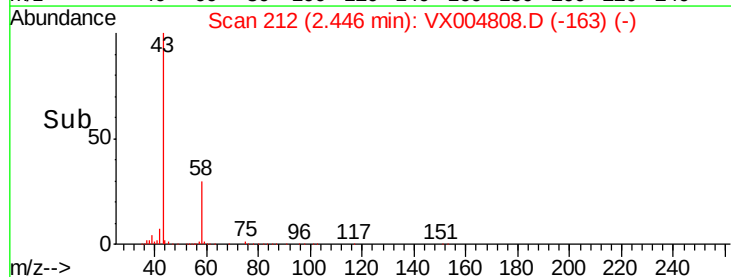
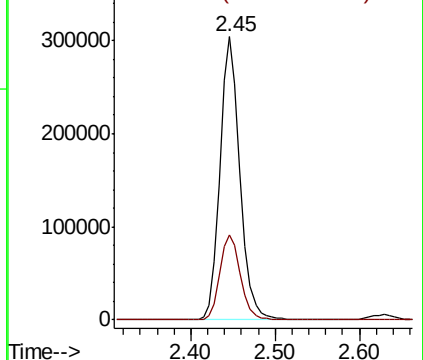
43 100

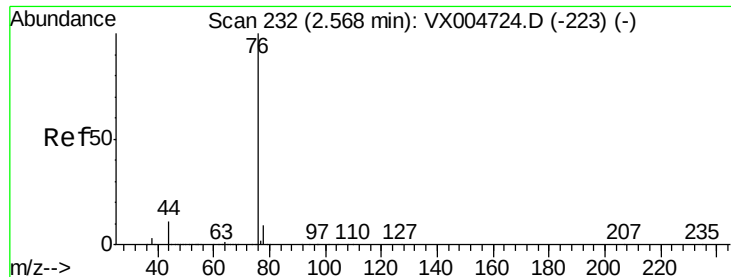
58 30.1 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 54.164 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX004808.D

Acq: 28 Sep 2018 07:17

Instrument :

MSVOA_X

ClientSampleId :

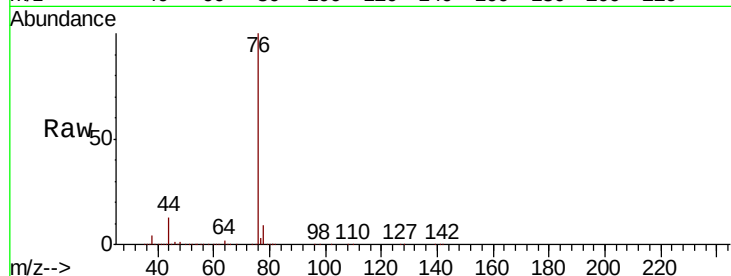
T3-MW-7-10.0-091918MS

Tot Ion: 76 Resp: 415237

Ion Ratio Lower Upper

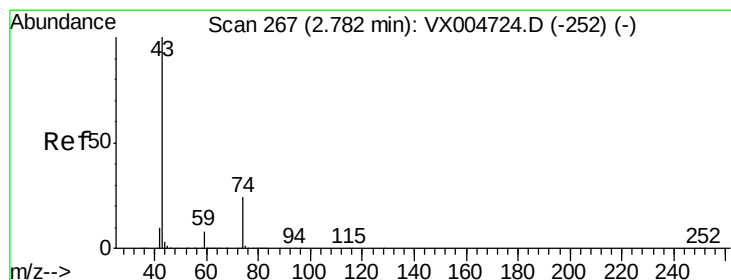
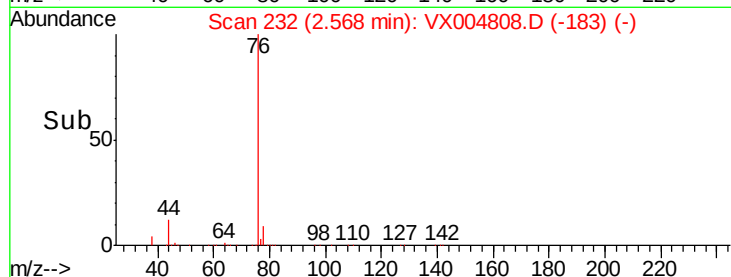
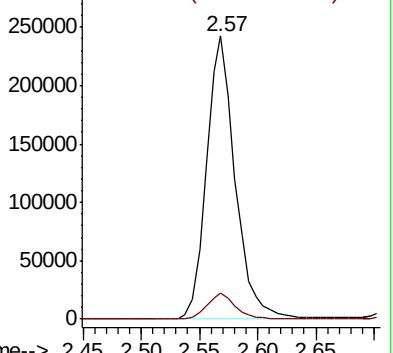
76 100

78 9.1 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 53.903 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX004808.D

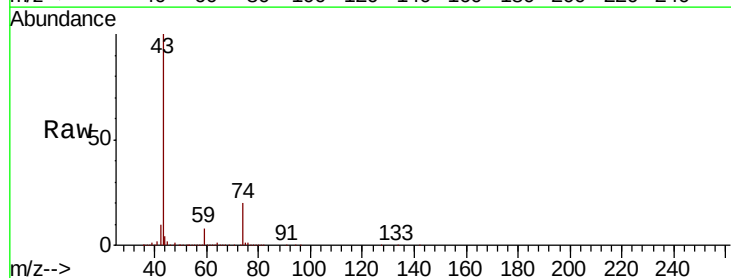
Acq: 28 Sep 2018 07:17

Tgt Ion: 43 Resp: 268180

Ion Ratio Lower Upper

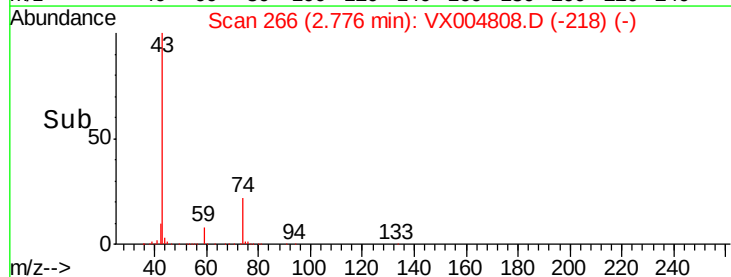
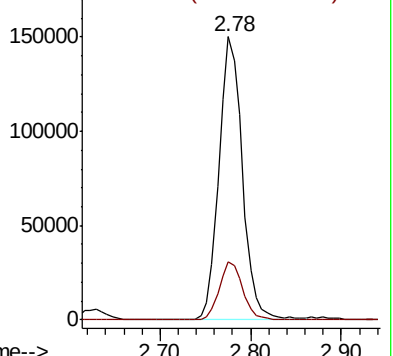
43 100

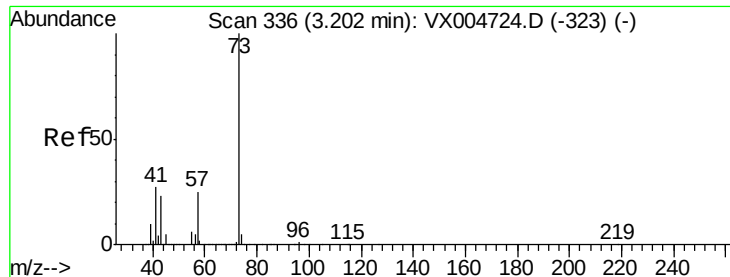
74 20.6 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



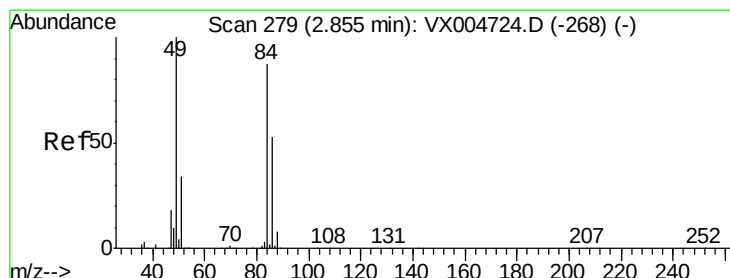
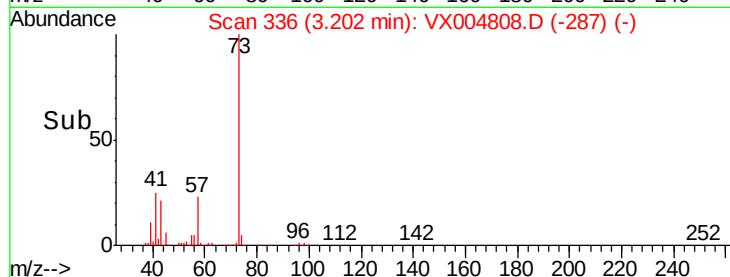
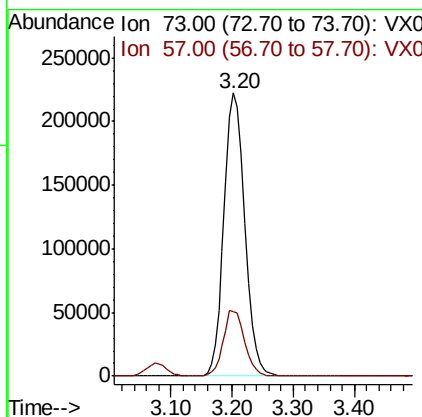
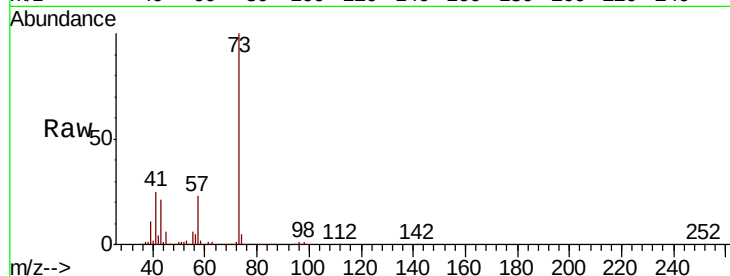


#19

Methyl tert-butyl Ether
 Concen: 59.569 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VX004808.D
 Acq: 28 Sep 2018 07:17

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-MW-7-10.0-091918MS

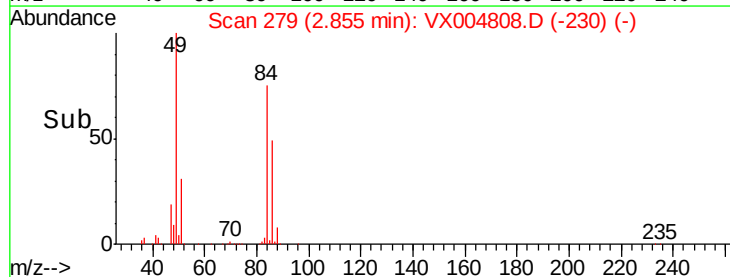
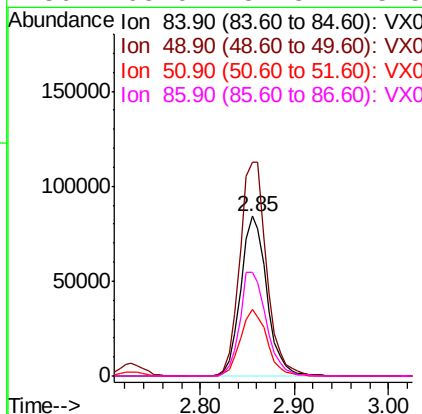
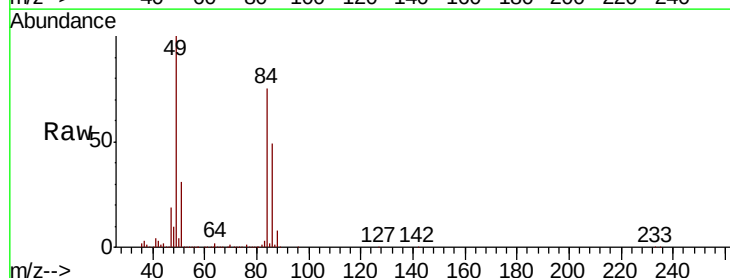
Tot Ion: 73 Resp: 524221
 Ion Ratio Lower Upper
 73 100
 57 23.0 17.1 25.7

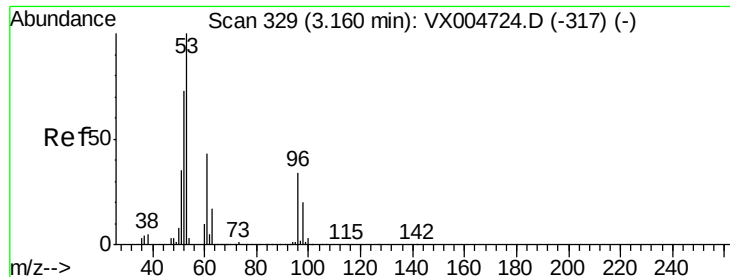


#20

Methylene Chloride
 Concen: 57.317 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX004808.D
 Acq: 28 Sep 2018 07:17

Tgt Ion: 84 Resp: 163297
 Ion Ratio Lower Upper
 84 100
 49 133.8 101.2 151.8
 51 41.5 29.5 44.3
 86 65.0 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 53.789 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX004808.D

Acq: 28 Sep 2018 07:17

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-7-10.0-091918MS

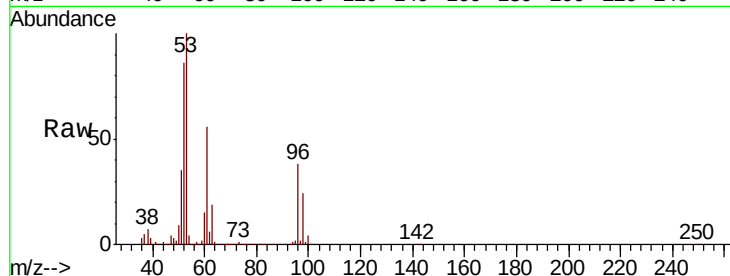
Tot Ion: 96 Resp: 150225

Ion Ratio Lower Upper

96 100

61 147.4 113.8 170.6

98 63.3 51.8 77.8

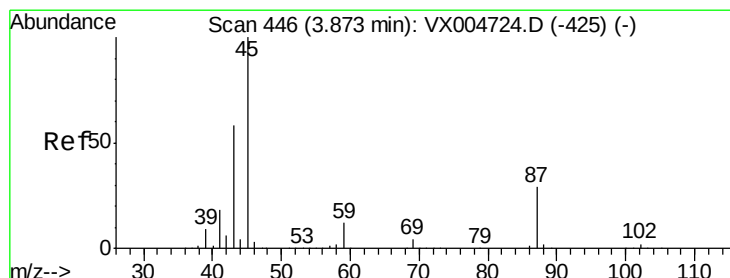
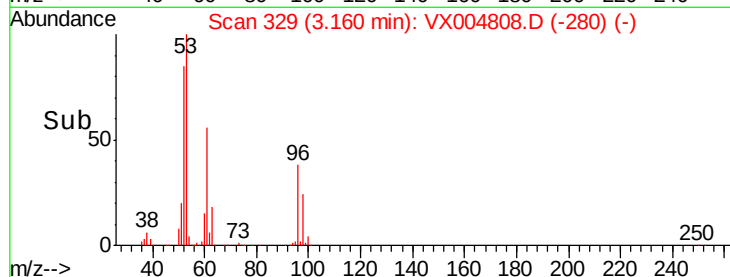
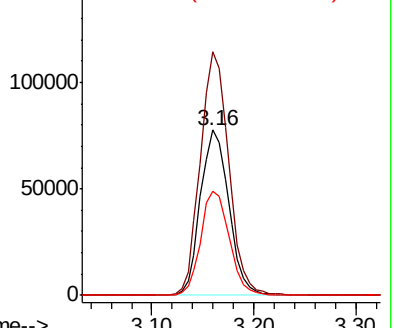


Abundance

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: 56.546 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX004808.D

Acq: 28 Sep 2018 07:17

Tgt Ion: 45 Resp: 530053

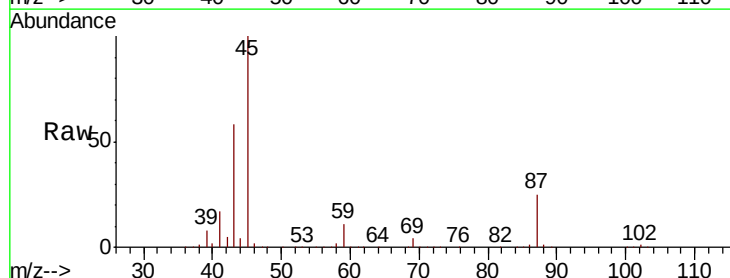
Ion Ratio Lower Upper

45 100

43 57.7 42.8 64.2

87 24.8 22.6 34.0

59 11.1 9.6 14.4



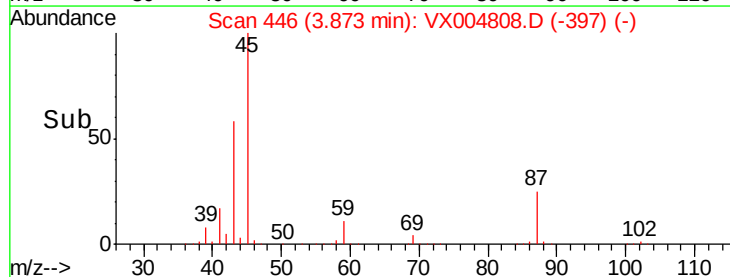
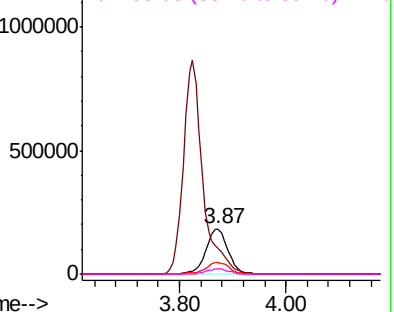
Abundance

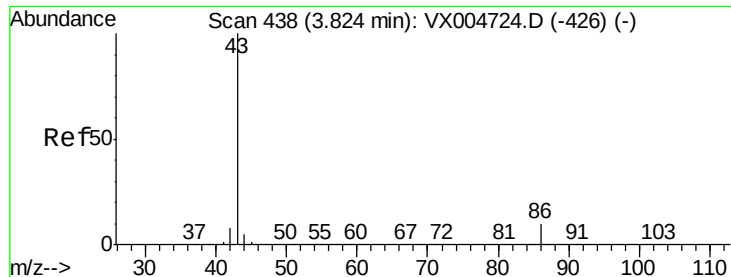
Ion 45.00 (44.70 to 45.70): VX0

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: 257.012 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX004808.D

Acq: 28 Sep 2018 07:17

Instrument :

MSVOA_X

ClientSampleId :

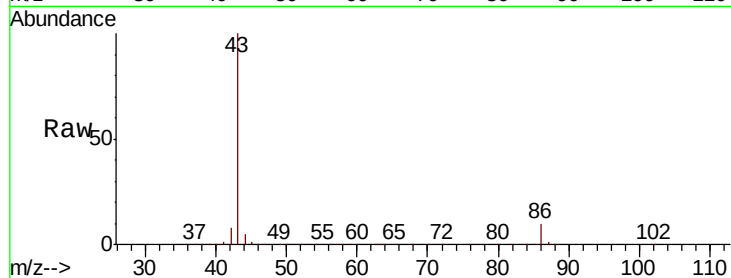
T3-MW-7-10.0-091918MS

Tot Ion: 43 Resp: 2205268

Ion Ratio Lower Upper

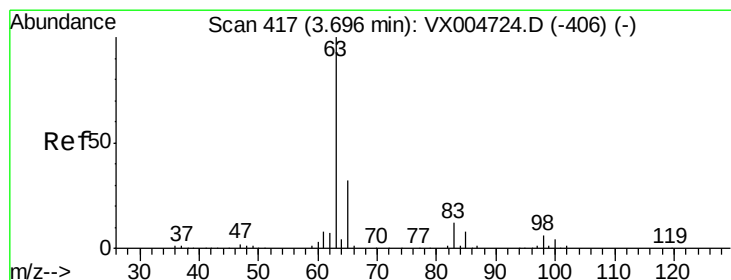
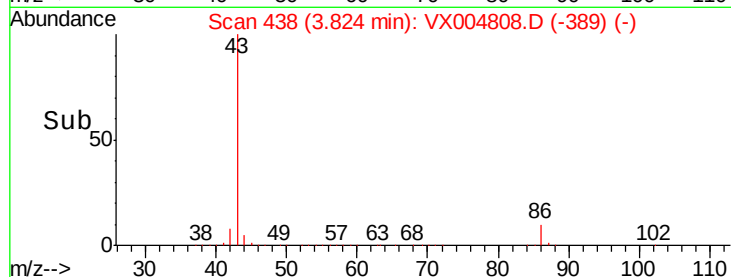
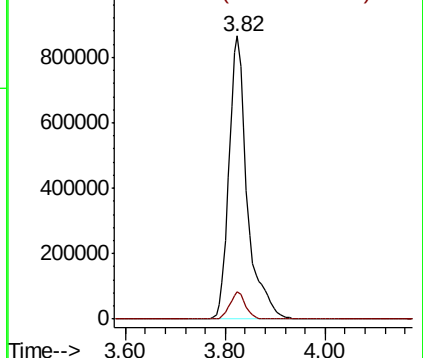
43 100

86 9.6 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 50.090 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX004808.D

Acq: 28 Sep 2018 07:17

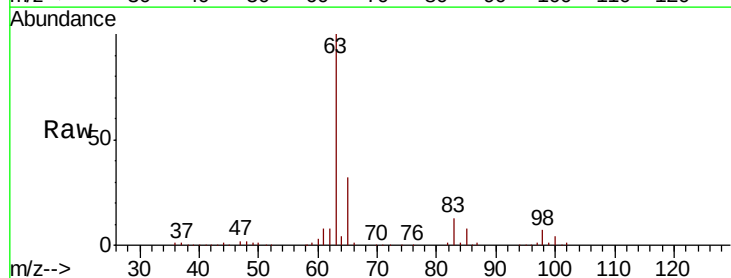
Tgt Ion: 63 Resp: 280085

Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.4

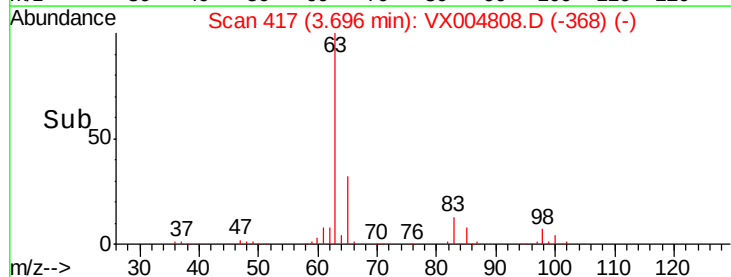
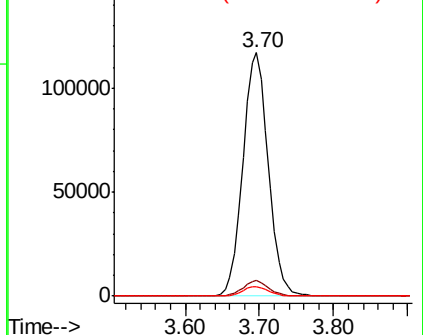
100 4.1 2.4 7.1

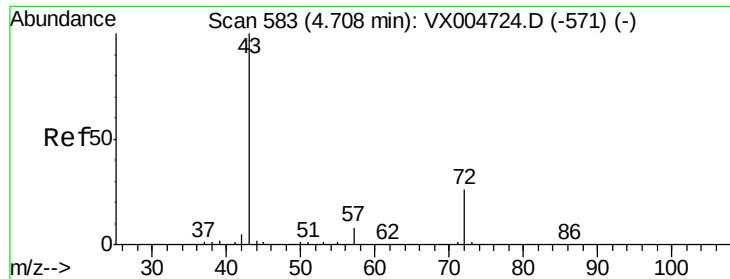


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 257.038 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX004808.D

Acq: 28 Sep 2018 07:17

Instrument :

MSVOA_X

ClientSampleId :

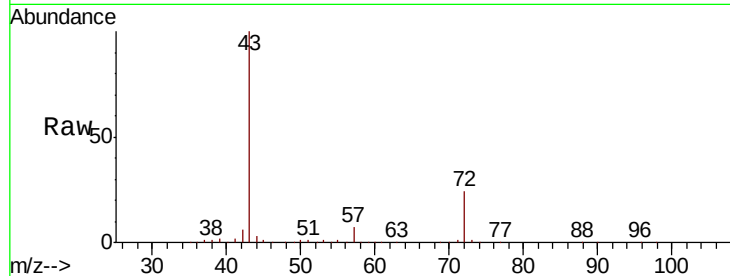
T3-MW-7-10.0-091918MS

Tot Ion: 43 Resp: 744011

Ion Ratio Lower Upper

43 100

72 23.8 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.70

250000

200000

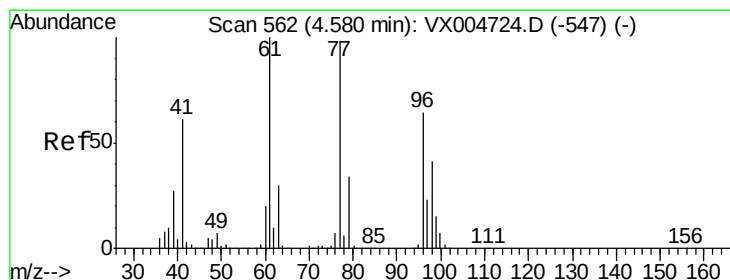
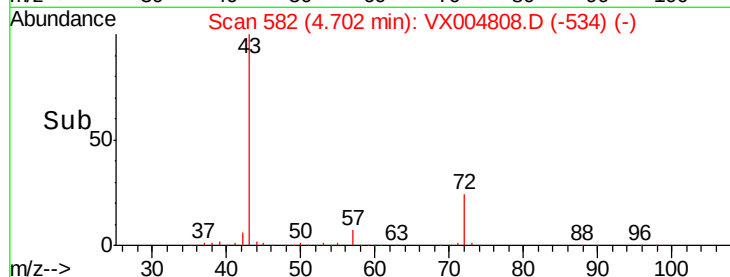
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 34.410 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX004808.D

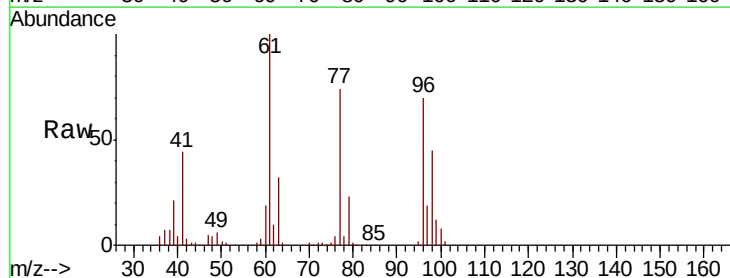
Acq: 28 Sep 2018 07:17

Tgt Ion: 77 Resp: 133985

Ion Ratio Lower Upper

77 100

97 26.4 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.58

50000

40000

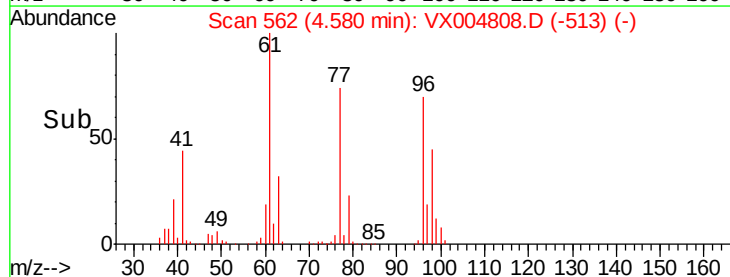
30000

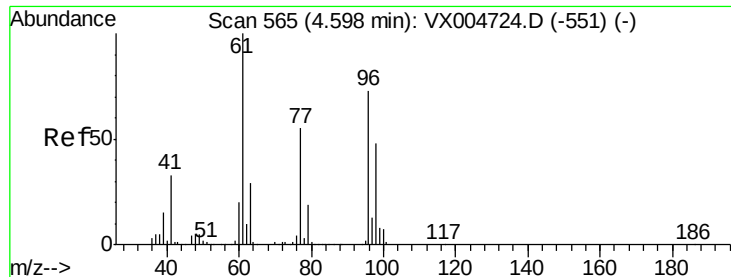
20000

10000

0

Time-->



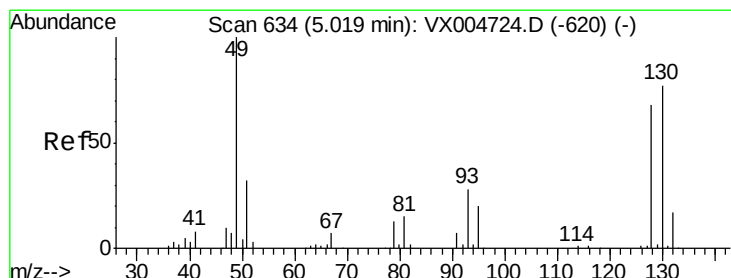
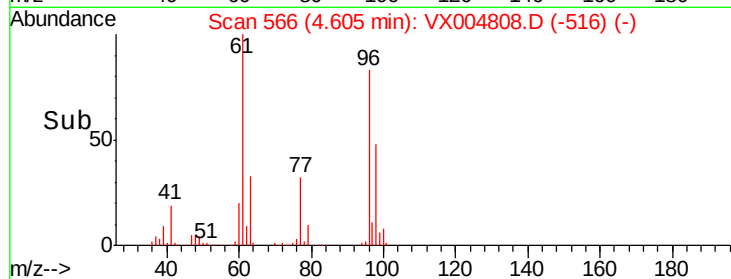
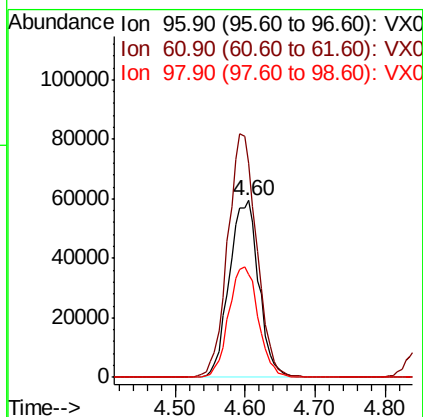
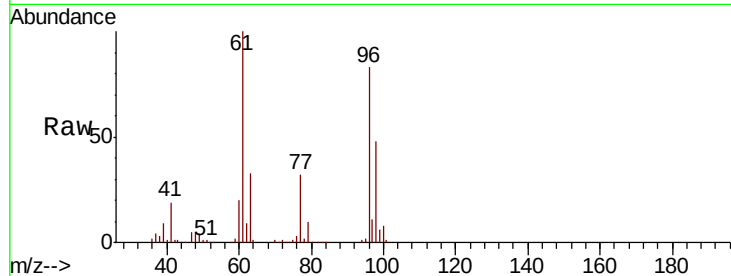


#27

cis-1,2-Dichloroethene
 Concen: 55.734 ug/l
 RT: 4.60 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VX004808.D
 Acq: 28 Sep 2018 07:17

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-MW-7-10.0-091918MS

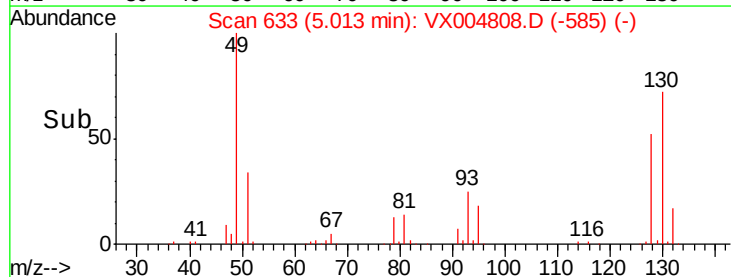
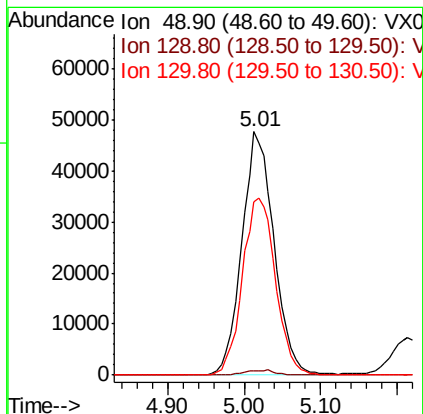
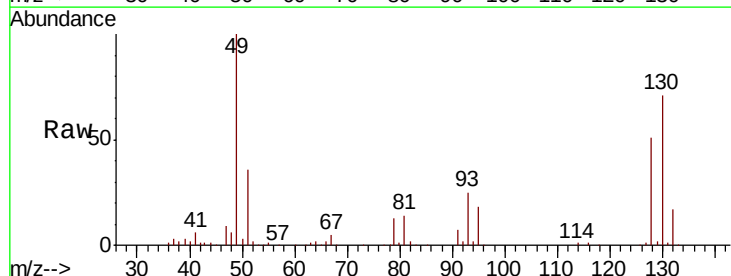
Tot Ion	Ratio	Lower	Upper
96	100		
61	135.2	0.0	282.6
98	62.3	0.0	130.2

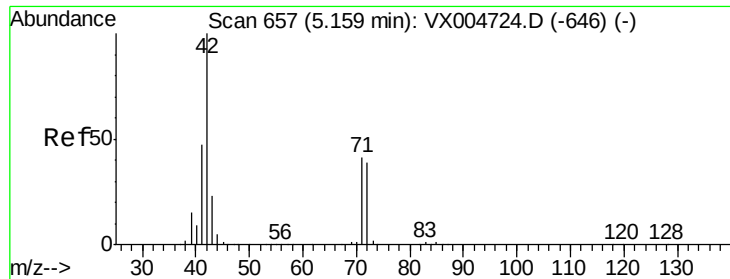


#28

Bromochloromethane
 Concen: 52.852 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX004808.D
 Acq: 28 Sep 2018 07:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.2
130	74.8	67.5	101.3





#29

Tetrahydrofuran

Concen: 268.363 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX004808.D

Acq: 28 Sep 2018 07:17

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-7-10.0-091918MS

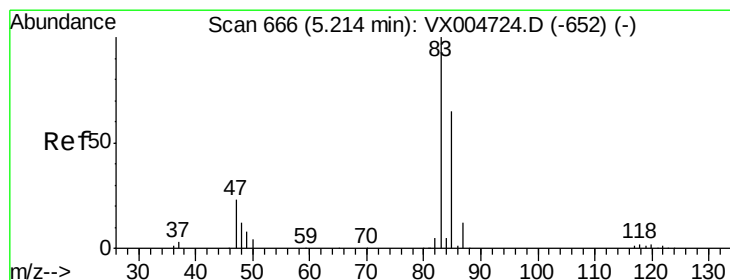
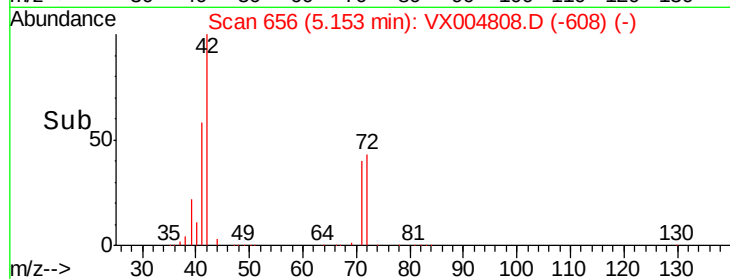
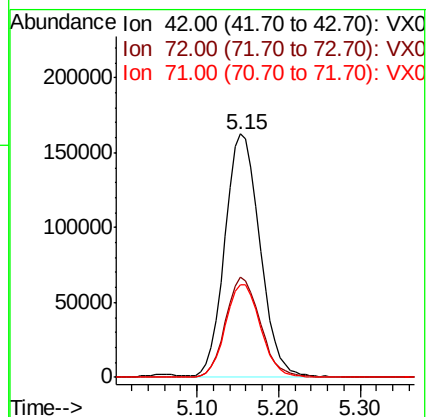
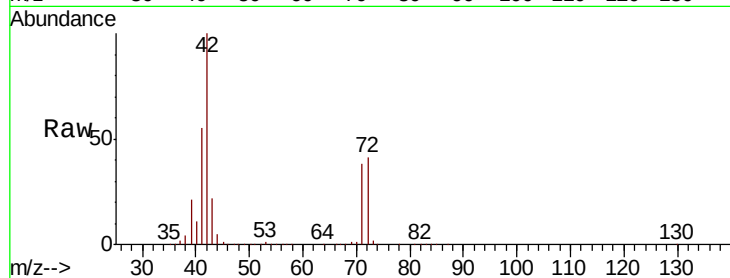
Tot Ion: 42 Resp: 482805

Ion Ratio Lower Upper

42 100

72 40.8 37.4 56.0

71 38.3 34.5 51.7



#30

Chloroform

Concen: 51.520 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX004808.D

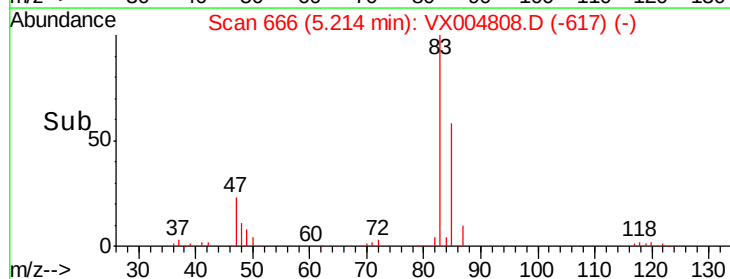
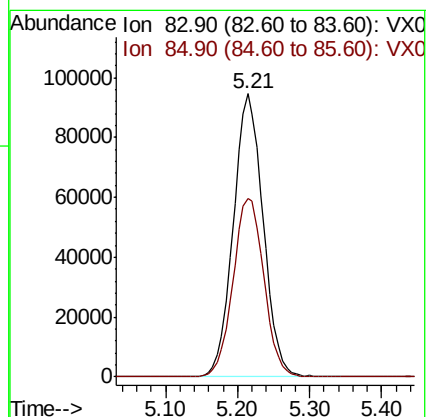
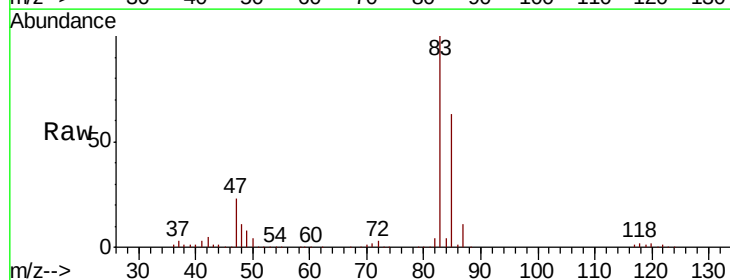
Acq: 28 Sep 2018 07:17

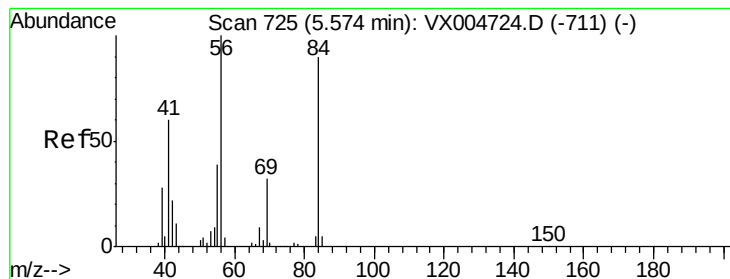
Tgt Ion: 83 Resp: 272262

Ion Ratio Lower Upper

83 100

85 62.9 52.6 79.0





#31

Cyclohexane

Concen: 53.168 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX004808.D

Acq: 28 Sep 2018 07:17

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-7-10.0-091918MS

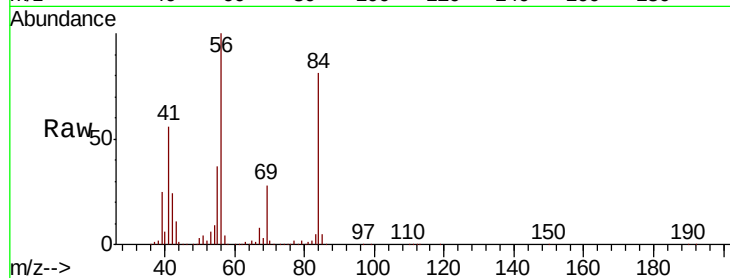
Tot Ion: 56 Resp: 227541

Ion Ratio Lower Upper

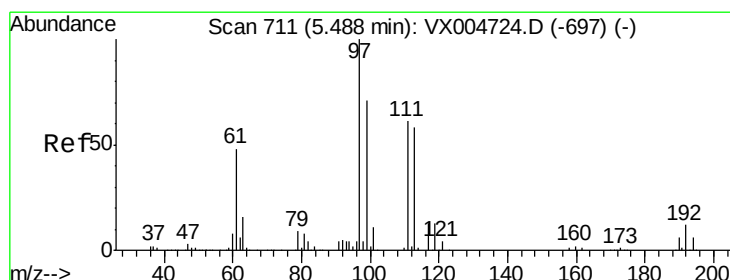
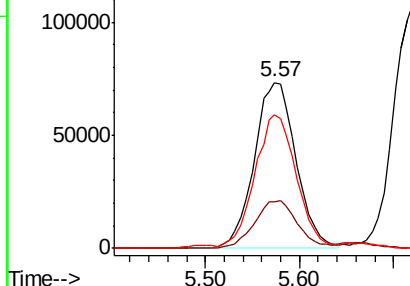
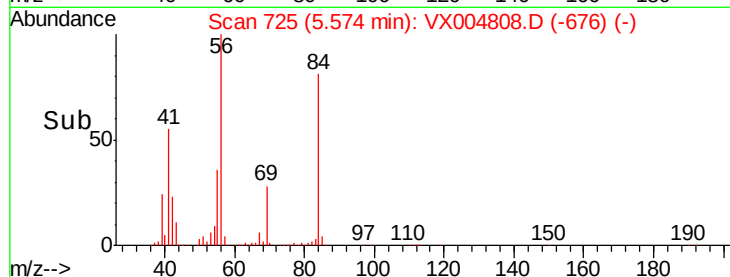
56 100

69 27.7 25.4 38.2

84 79.5 71.4 107.2



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: 53.842 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX004808.D

Acq: 28 Sep 2018 07:17

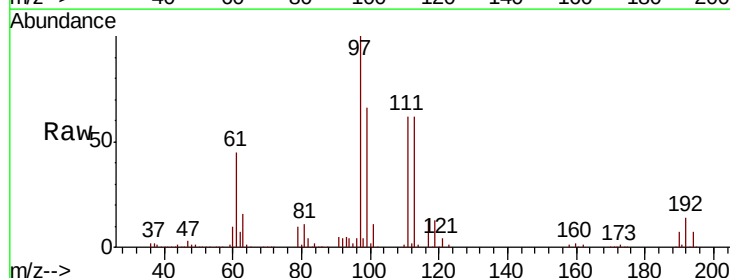
Tgt Ion: 97 Resp: 232374

Ion Ratio Lower Upper

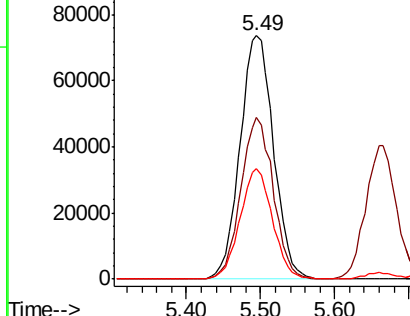
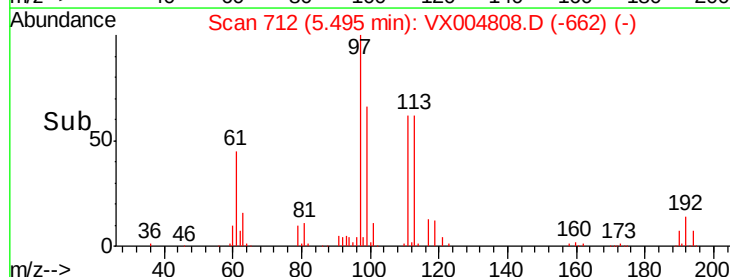
97 100

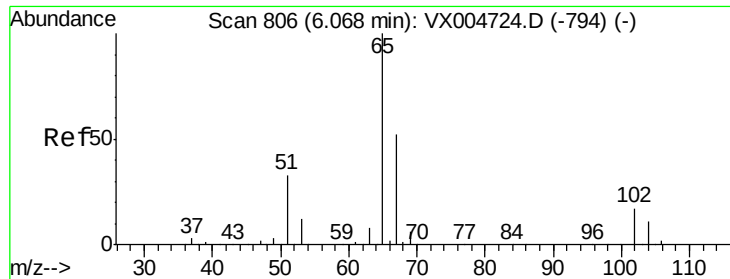
99 64.2 52.0 78.0

61 44.0 34.9 52.3



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

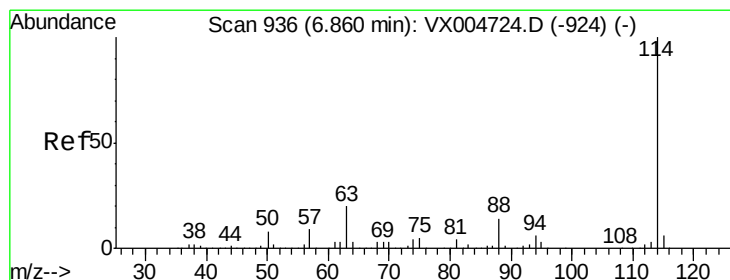
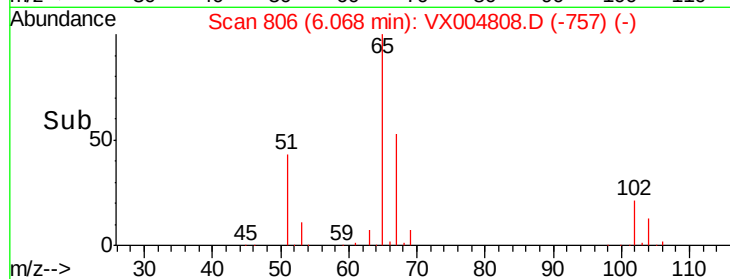
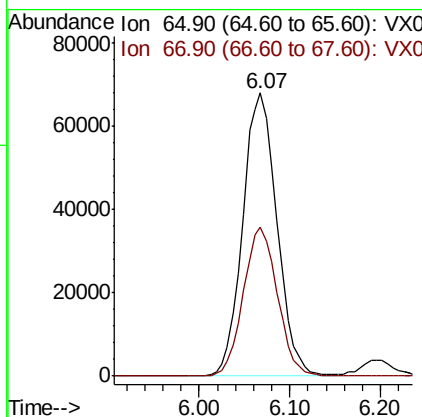
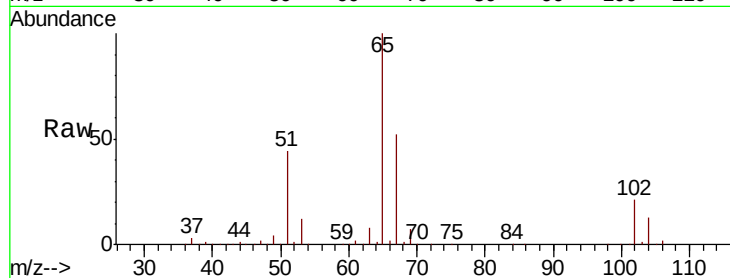




#33
 1,2-Dichloroethane-d4
 Concen: 52.678 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX004808.D
 Acq: 28 Sep 2018 07:17

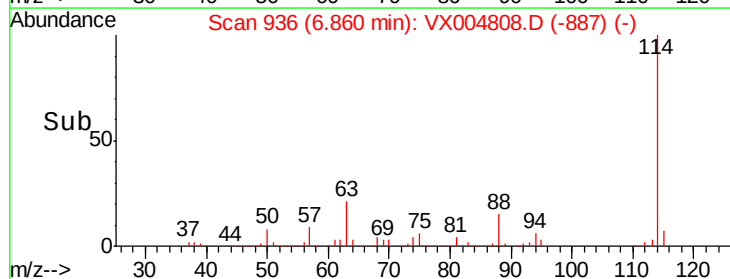
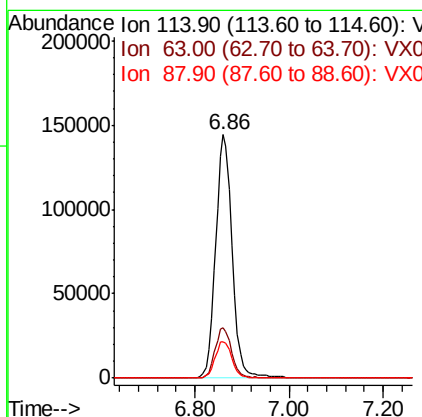
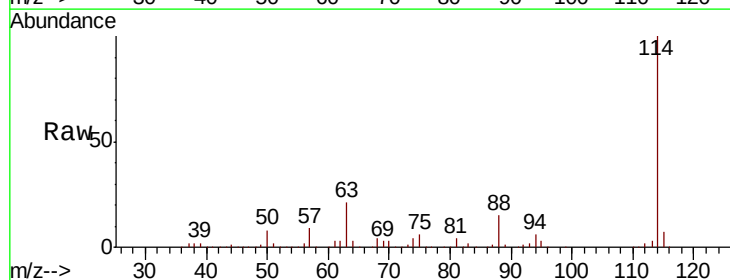
Instrument :
 MSVOA_X
 ClientSampleId :
 T3-MW-7-10.0-091918MS

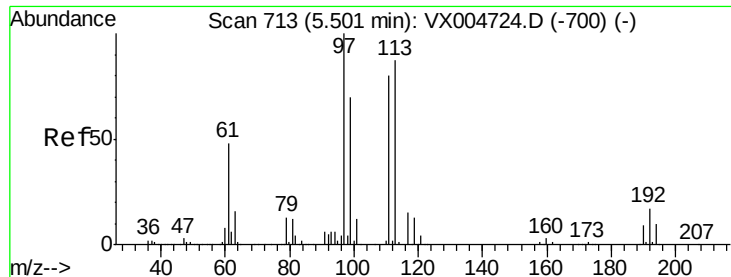
Tot Ion: 65 Resp: 177185
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004808.D
 Acq: 28 Sep 2018 07:17

Tgt Ion: 114 Resp: 349306
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 39.0
 88 15.0 0.0 30.4

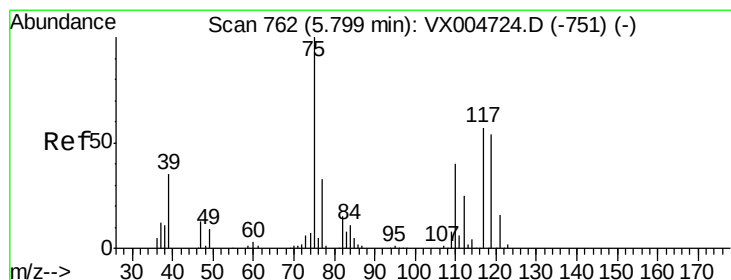
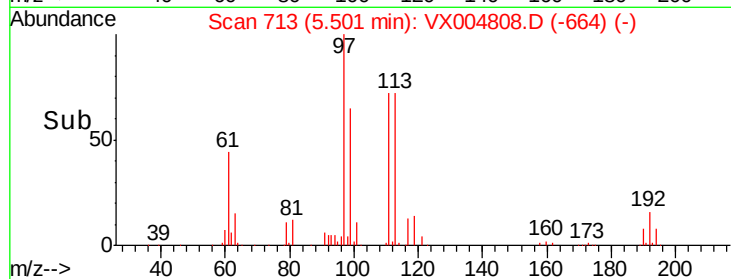
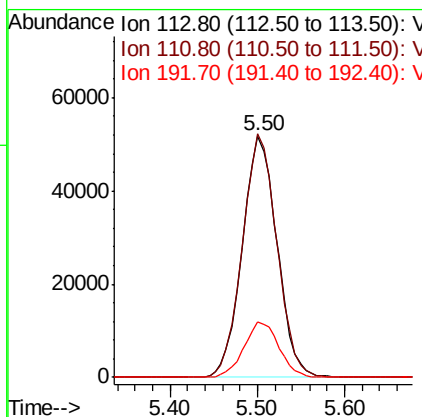
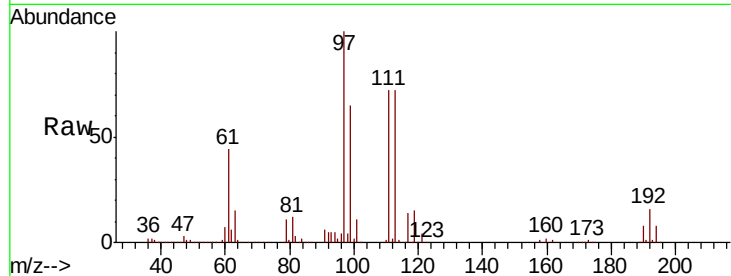




#35
 Dibromofluoromethane
 Concen: 48.213 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004808.D
 Acq: 28 Sep 2018 07:17

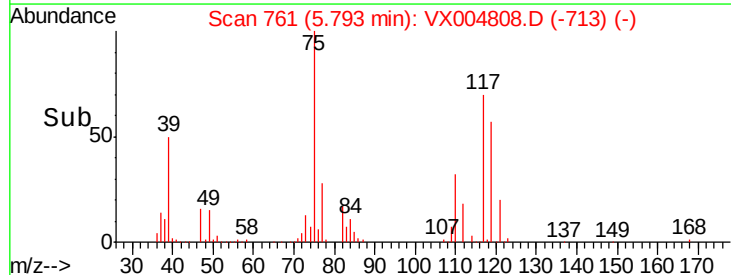
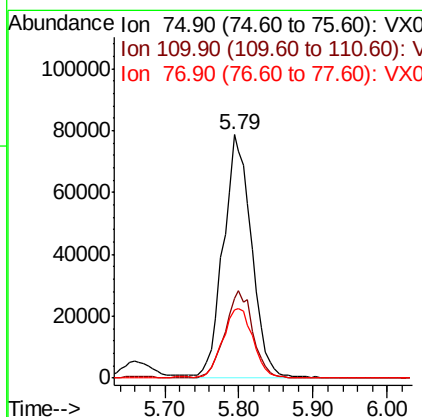
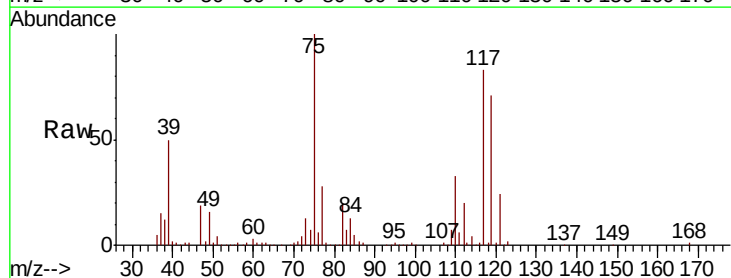
Instrument :
 MSVOA_X
 ClientSampleId :
 T3-MW-7-10.0-091918MS

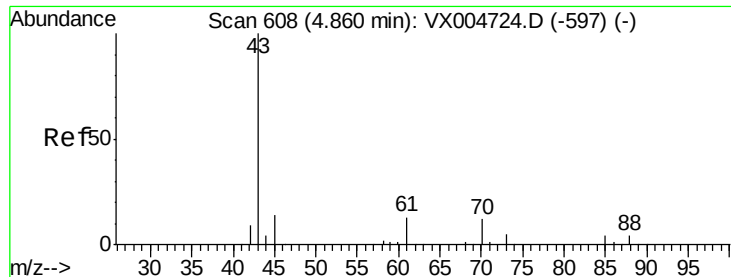
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.7	82.4	123.6
192	23.4	19.4	29.2



#36
 1,1-Dichloropropene
 Concen: 51.109 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX004808.D
 Acq: 28 Sep 2018 07:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	18.0	54.0
77	30.5	24.6	36.8





#37

Ethyl Acetate

Concen: 48.236 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.00 min

Lab File: VX004808.D

Acq: 28 Sep 2018 07:17

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-7-10.0-091918MS

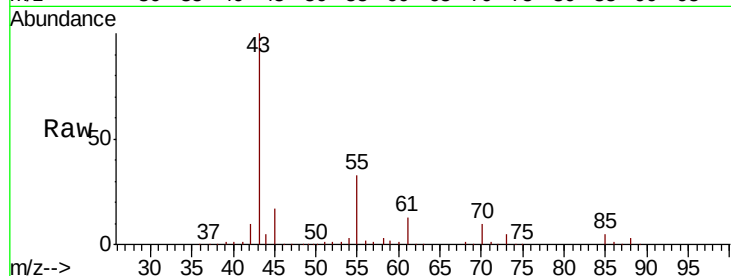
Tot Ion: 43 Resp: 258616

Ion Ratio Lower Upper

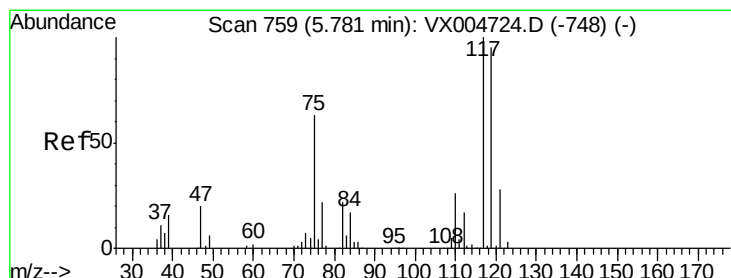
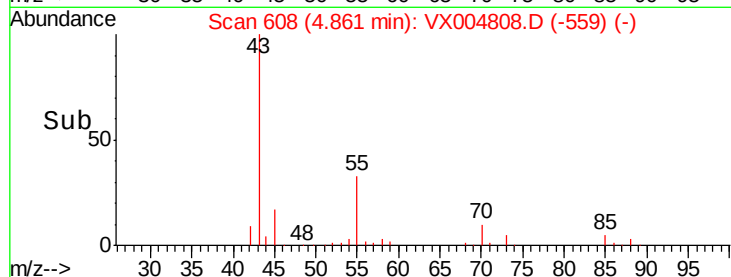
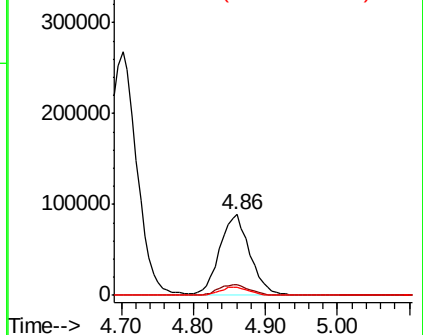
43 100

61 13.6 11.5 17.3

70 10.2 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 49.054 ug/l

RT: 5.78 min Scan# 758

Delta R.T. -0.01 min

Lab File: VX004808.D

Acq: 28 Sep 2018 07:17

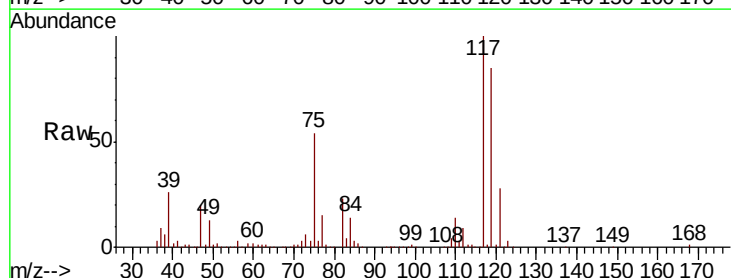
Tgt Ion: 117 Resp: 208276

Ion Ratio Lower Upper

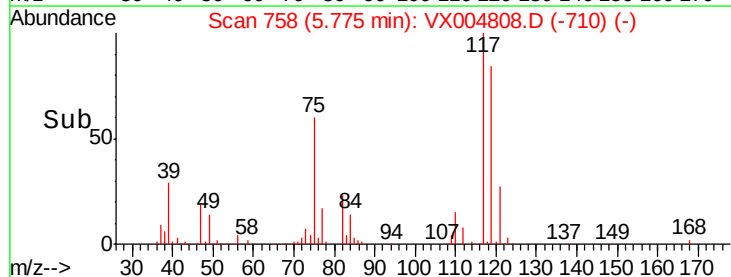
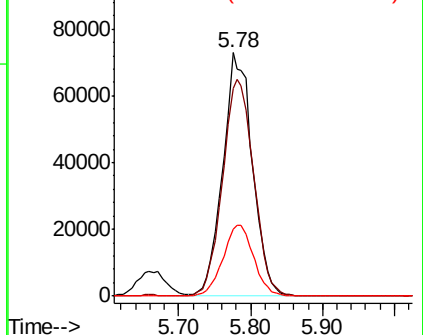
117 100

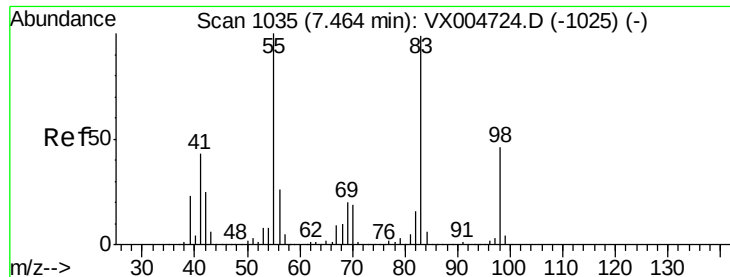
119 85.2 78.8 118.2

121 27.6 24.9 37.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

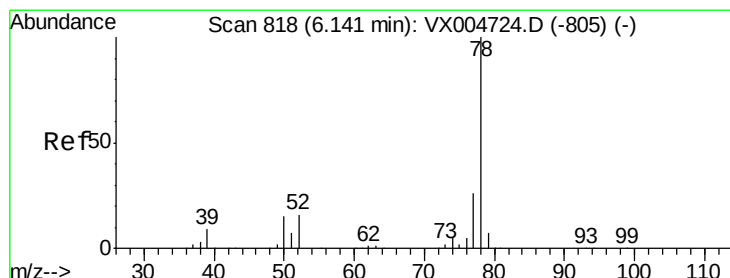
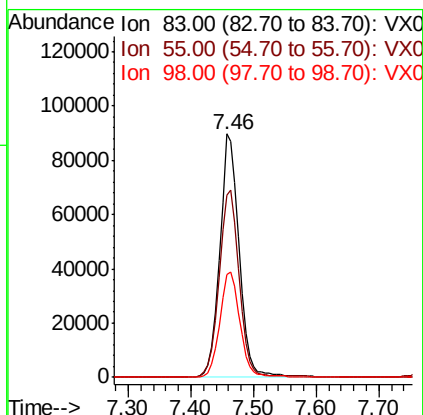
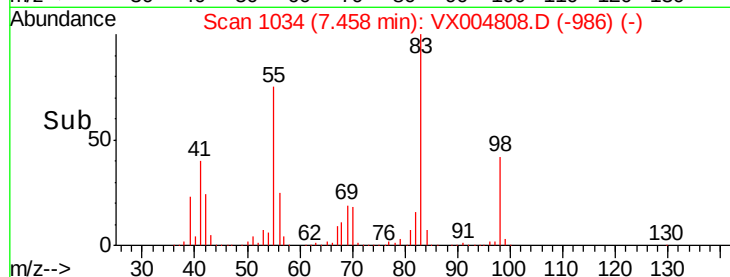
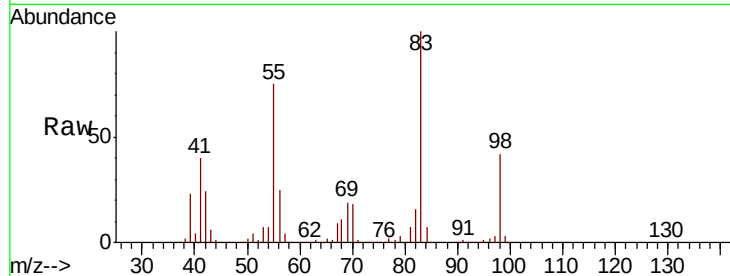




#39
Methylvlcyclohexane
Concen: 46.555 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX004808.D
Acq: 28 Sep 2018 07:17

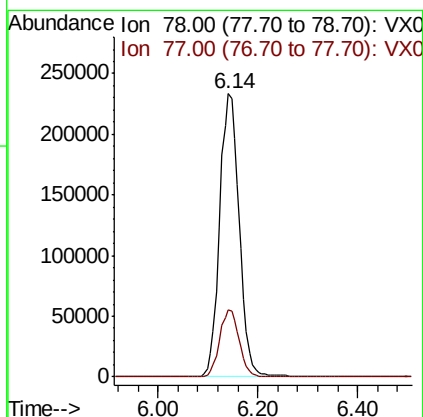
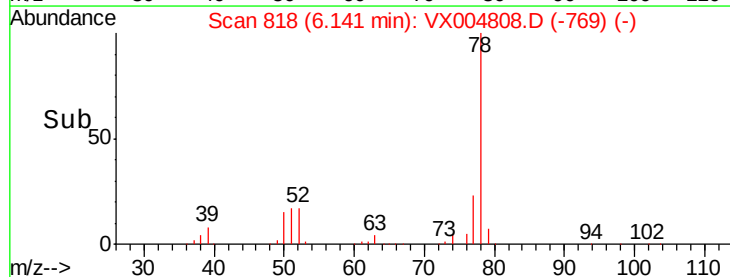
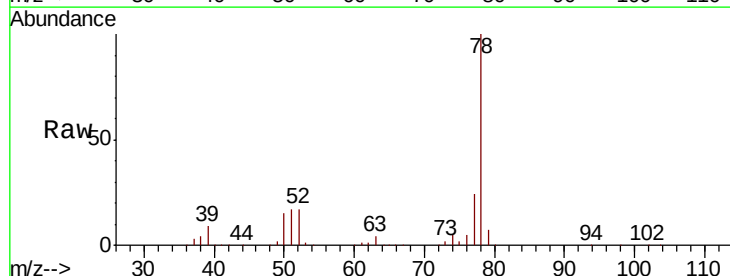
Instrument :
MSVOA_X
ClientSampleId :
T3-MW-7-10.0-091918MS

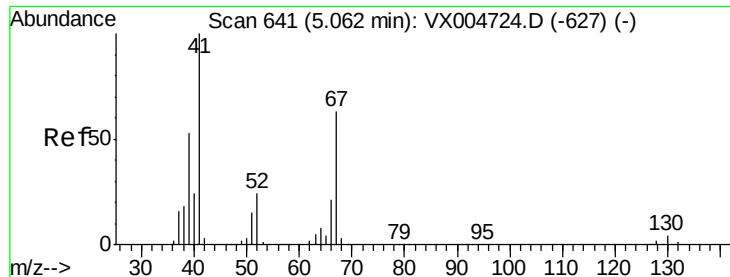
Tot Ion: 83 Resp: 192012
Ion Ratio Lower Upper
83 100
55 74.8 61.0 91.4
98 42.2 39.6 59.4



#40
Benzene
Concen: 50.274 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004808.D
Acq: 28 Sep 2018 07:17

Tgt Ion: 78 Resp: 635728
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.4





#41

Methacrylonitrile

Concen: 50.191 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.00 min

Lab File: VX004808.D

Acq: 28 Sep 2018 07:17

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-7-10.0-091918MS

Tot Ion: 41 Resp: 149237

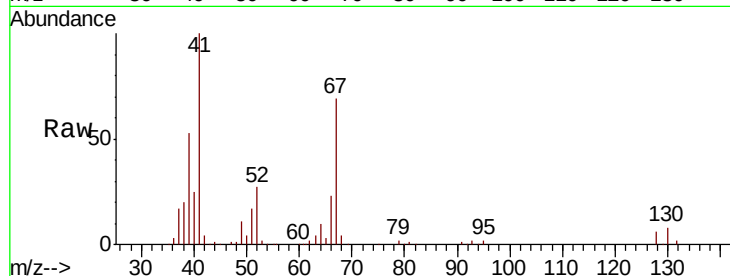
Ion Ratio Lower Upper

41 100

39 53.2 42.4 63.6

67 68.0 59.2 88.8

52 27.9 23.0 34.4

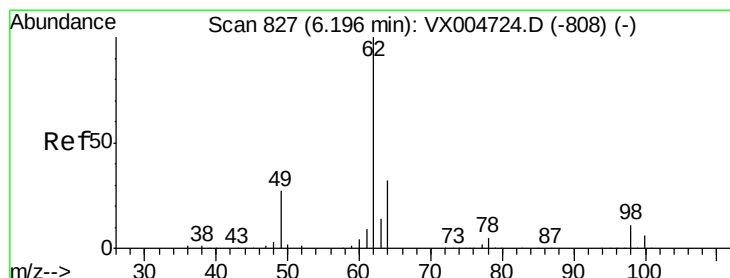
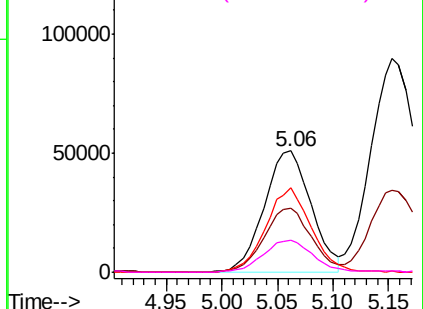
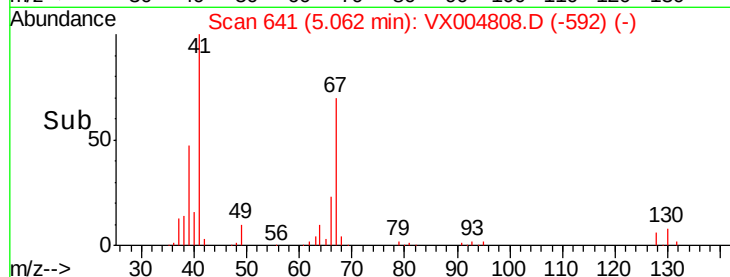


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 49.995 ug/l

RT: 6.20 min Scan# 828

Delta R.T. 0.01 min

Lab File: VX004808.D

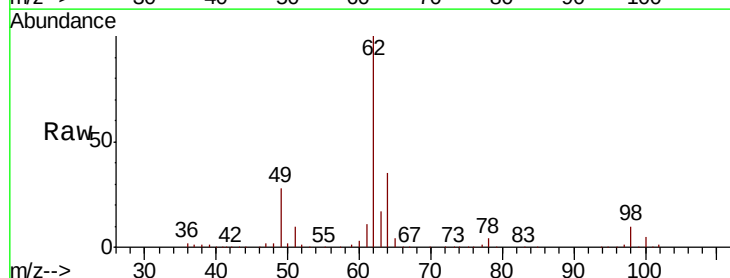
Acq: 28 Sep 2018 07:17

Tgt Ion: 62 Resp: 223486

Ion Ratio Lower Upper

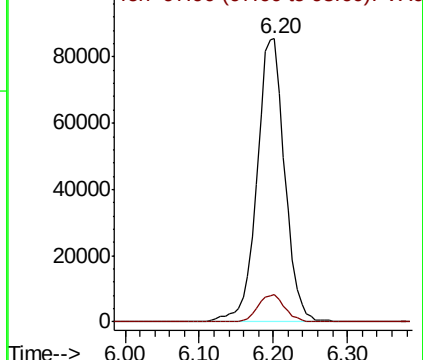
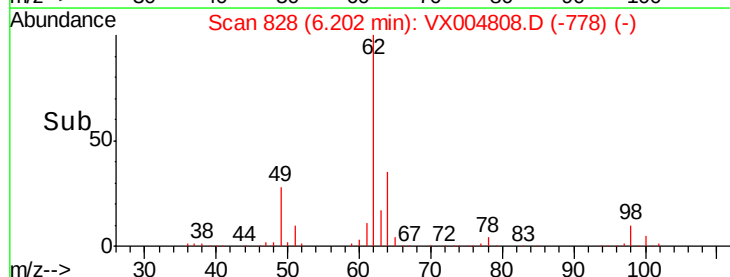
62 100

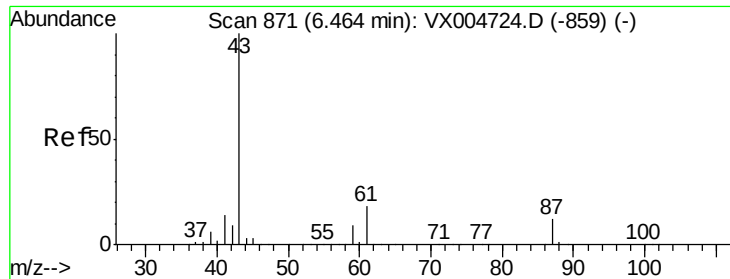
98 9.4 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 52.225 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX004808.D

Acq: 28 Sep 2018 07:17

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-7-10.0-091918MS

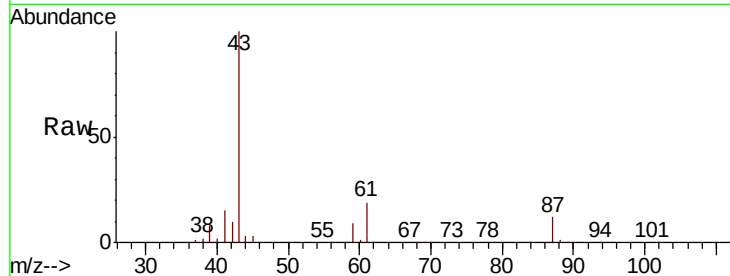
Tot Ion: 43 Resp: 404143

Ion Ratio Lower Upper

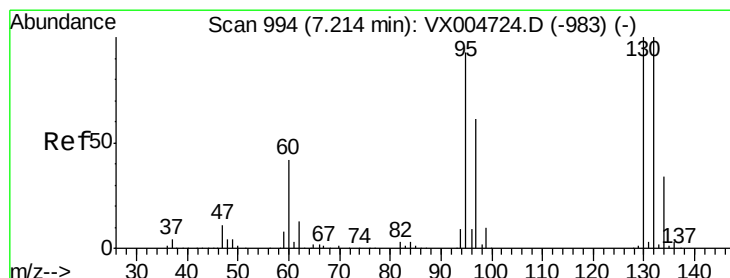
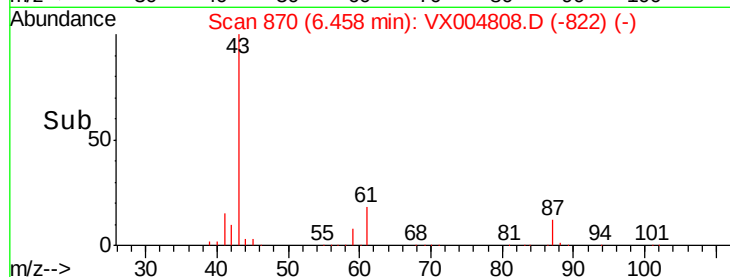
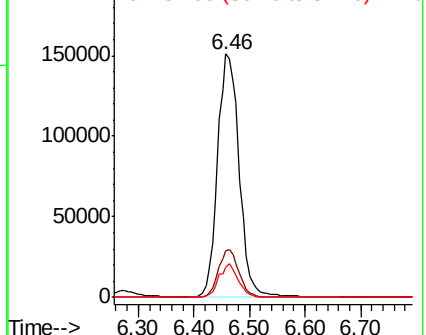
43 100

61 18.9 17.0 25.4

87 12.4 11.4 17.2



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: 51.292 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX004808.D

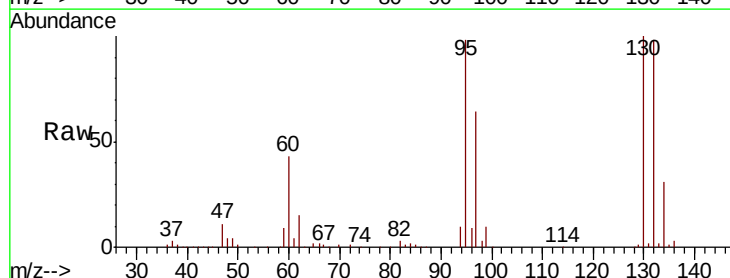
Acq: 28 Sep 2018 07:17

Tgt Ion:130 Resp: 159446

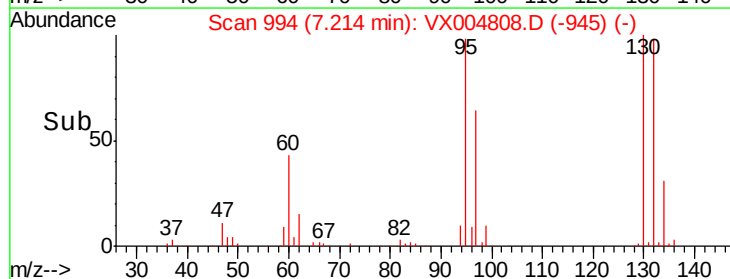
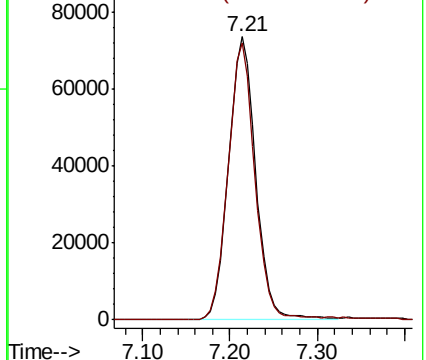
Ion Ratio Lower Upper

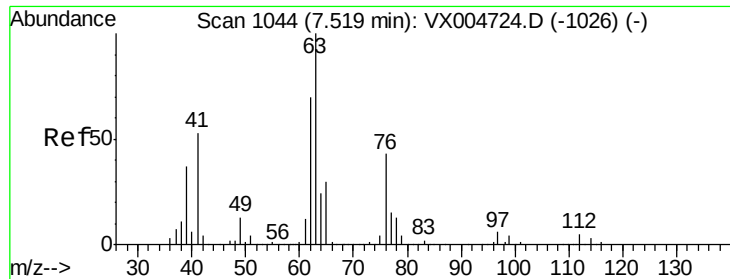
130 100

95 98.0 0.0 181.6



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

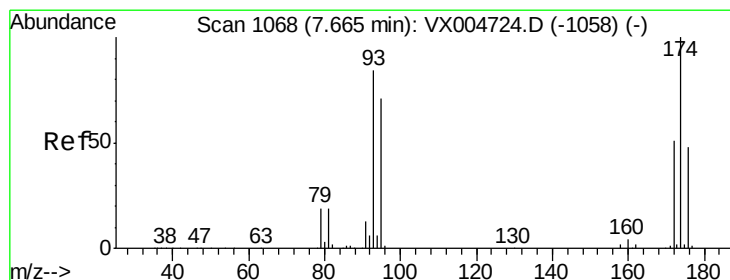
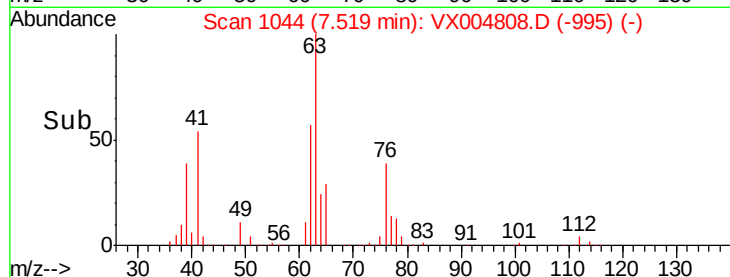
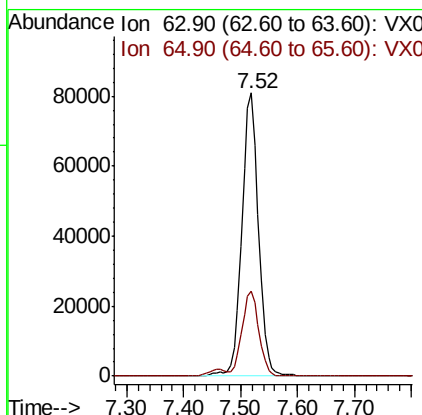
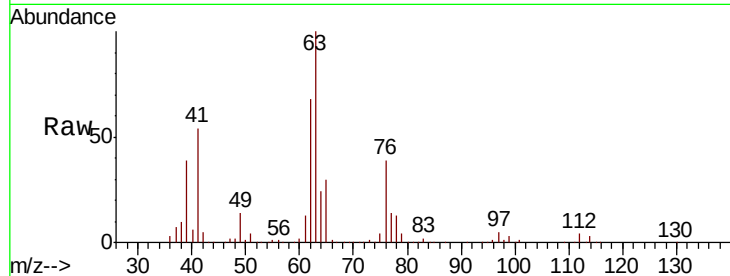




#45
 1,2-Dichloropropane
 Concen: 53.656 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX004808.D
 Acq: 28 Sep 2018 07:17

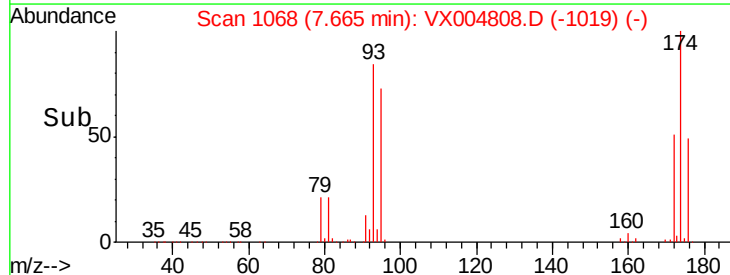
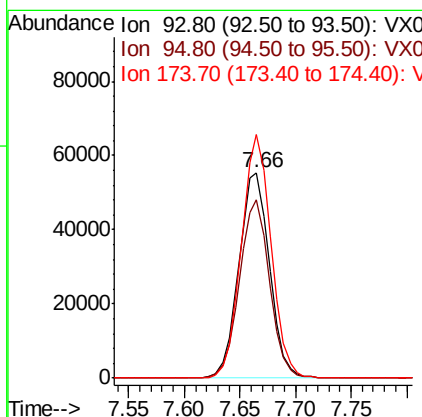
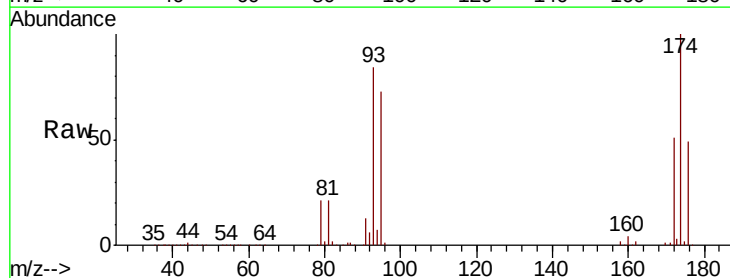
Instrument :
 MSVOA_X
 ClientSampleId :
 T3-MW-7-10.0-091918MS

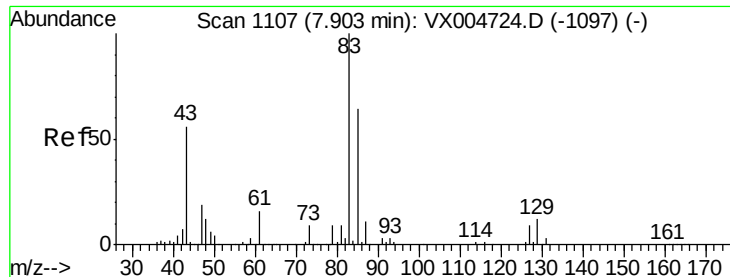
Tot Ion: 63 Resp: 166387
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.3 36.5



#46
 Dibromomethane
 Concen: 54.108 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX004808.D
 Acq: 28 Sep 2018 07:17

Tgt Ion: 93 Resp: 105448
 Ion Ratio Lower Upper
 93 100
 95 85.5 65.5 98.3
 174 115.5 94.2 141.4





#47

Bromodichloromethane

Concen: 56.399 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX004808.D

Acq: 28 Sep 2018 07:17

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-7-10.0-091918MS

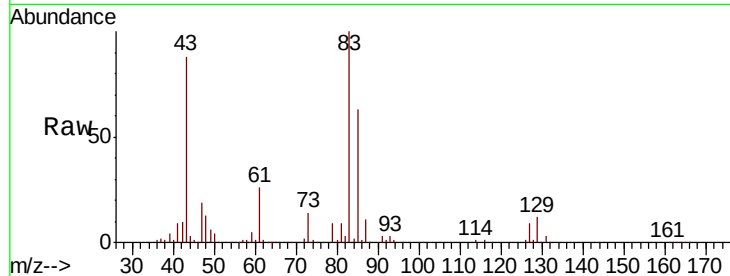
Tot Ion: 83 Resp: 205787

Ion Ratio Lower Upper

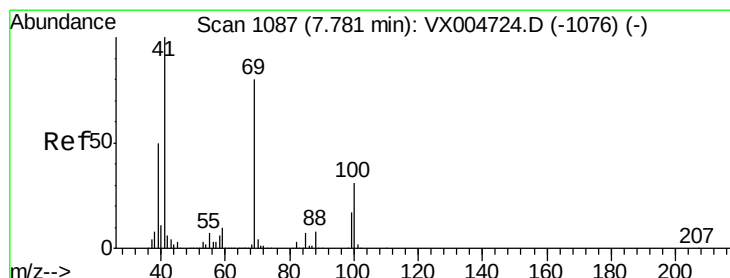
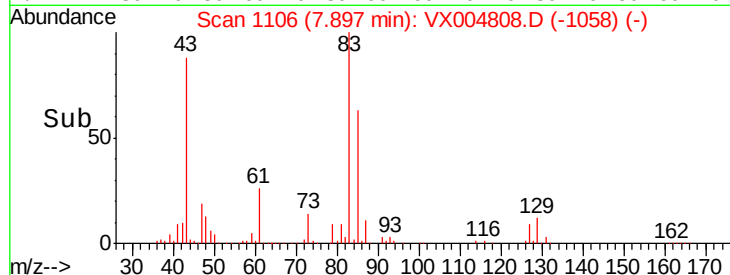
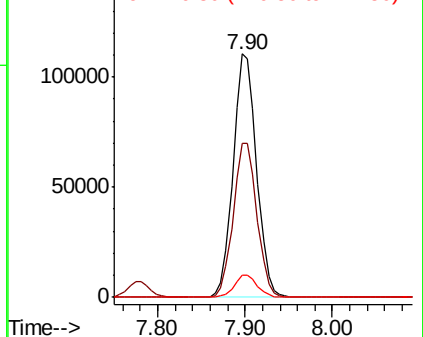
83 100

85 63.2 50.9 76.3

127 9.1 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: 60.395 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX004808.D

Acq: 28 Sep 2018 07:17

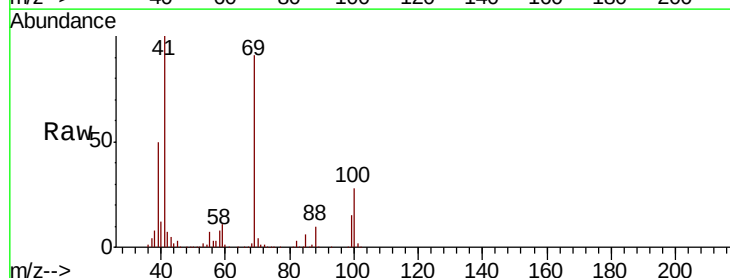
Tgt Ion: 41 Resp: 212132

Ion Ratio Lower Upper

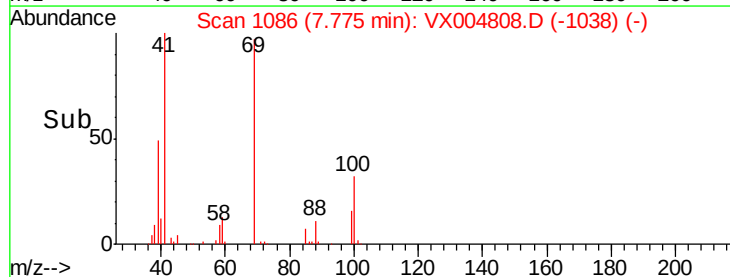
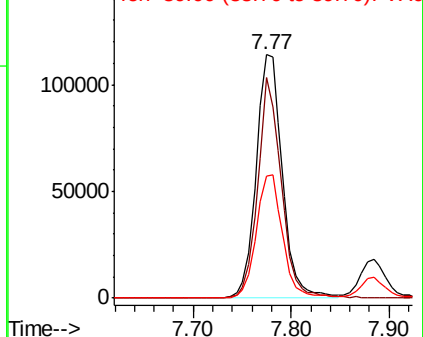
41 100

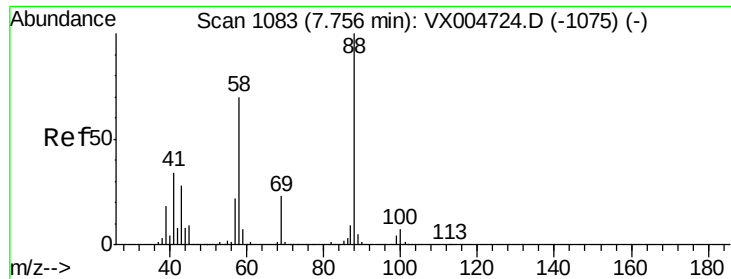
69 82.0 70.2 105.4

39 51.2 42.7 64.1



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: 923.909 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.00 min

Lab File: VX004808.D

Acq: 28 Sep 2018 07:17

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-7-10.0-091918MS

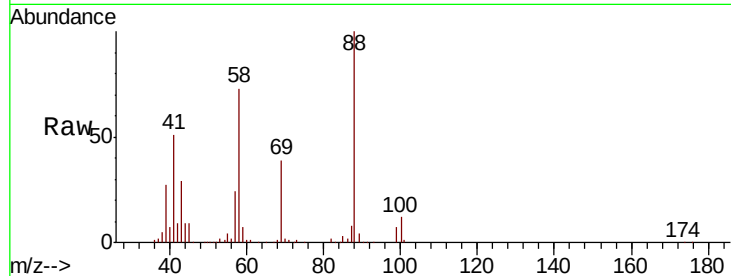
Tot Ion: 88 Resp: 80622

Ion Ratio Lower Upper

88 100

43 33.8 24.7 37.1

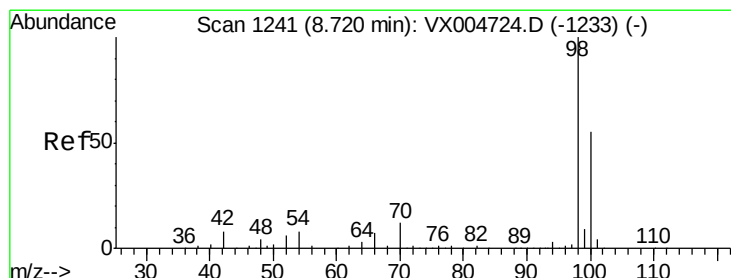
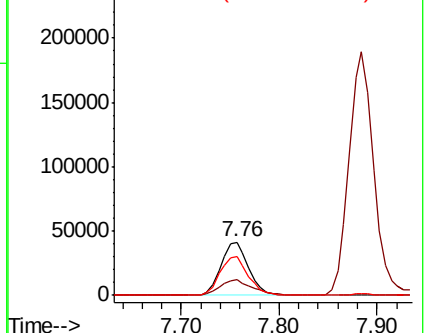
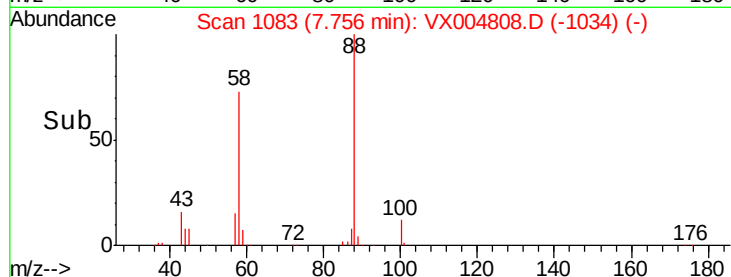
58 75.5 55.3 82.9



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 53.341 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VX004808.D

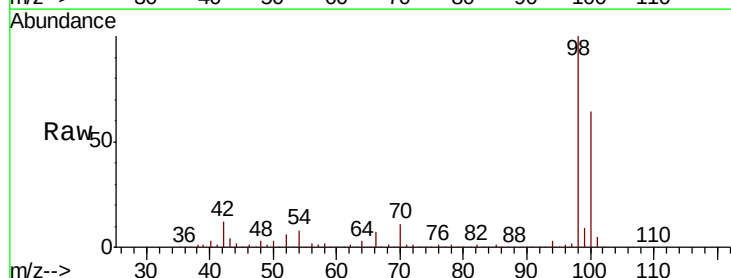
Acq: 28 Sep 2018 07:17

Tgt Ion: 98 Resp: 524977

Ion Ratio Lower Upper

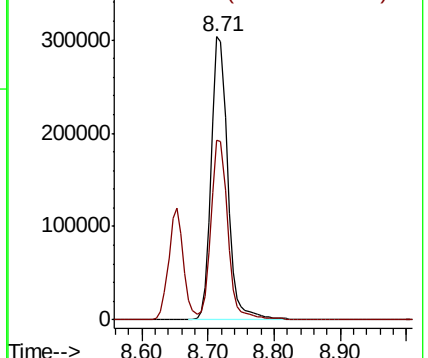
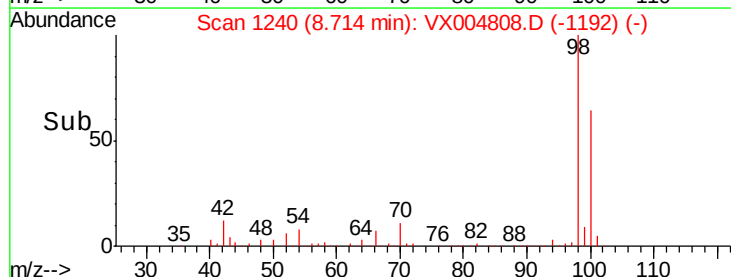
98 100

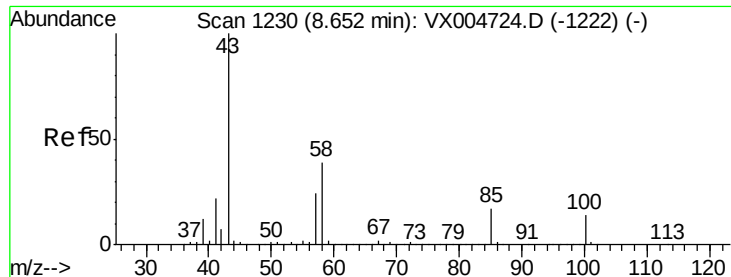
100 65.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 289.493 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VX004808.D

Acq: 28 Sep 2018 07:17

Instrument :

MSVOA_X

ClientSampleId :

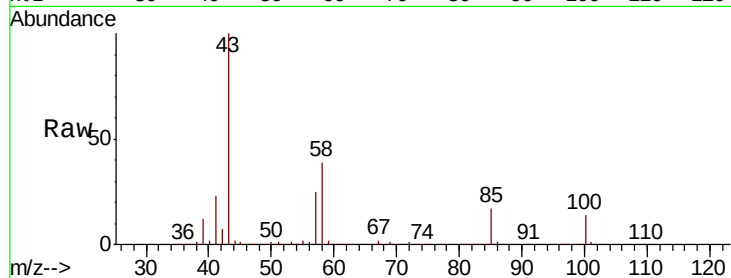
T3-MW-7-10.0-091918MS

Tot Ion: 43 Resp: 1410564

Ion Ratio Lower Upper

43 100

58 38.7 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

800000

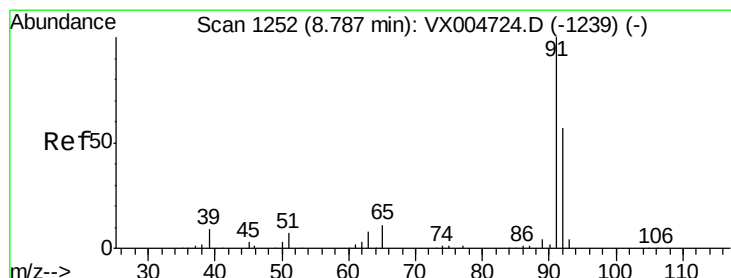
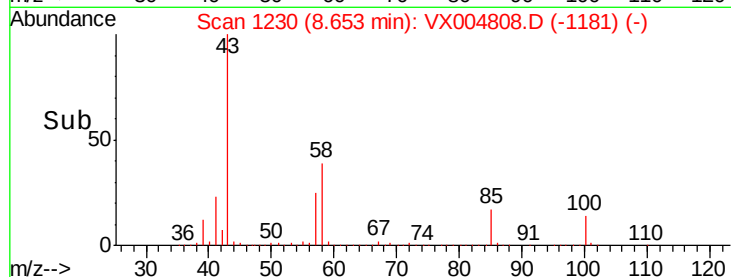
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 55.651 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX004808.D

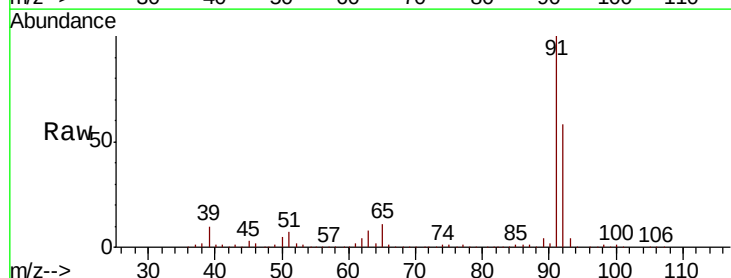
Acq: 28 Sep 2018 07:17

Tgt Ion: 92 Resp: 386680

Ion Ratio Lower Upper

92 100

91 174.0 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

500000

400000

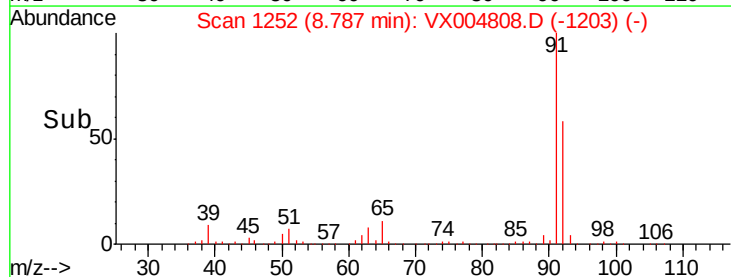
300000

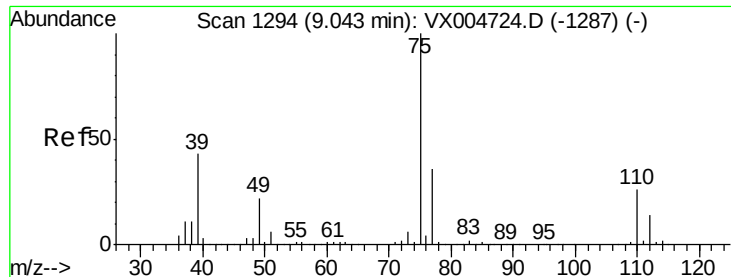
200000

100000

0

Time-->

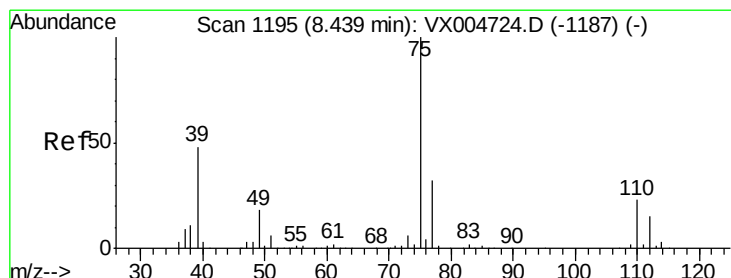
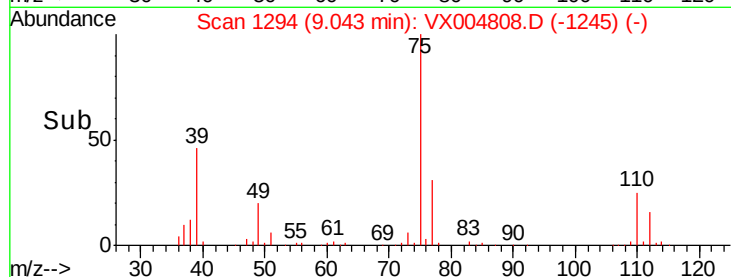
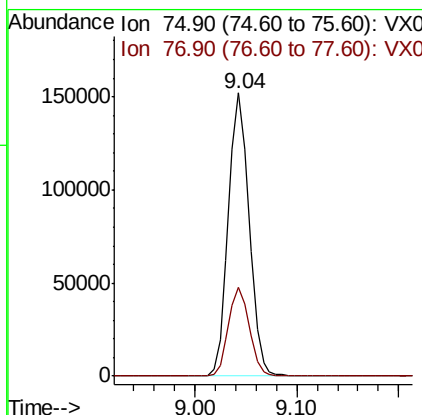
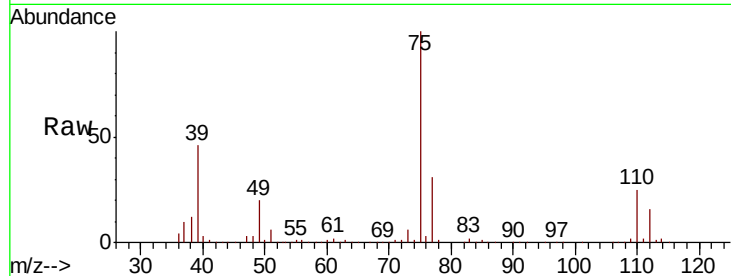




#53
t-1,3-Dichloropropene
Concen: 52.104 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX004808.D
Acq: 28 Sep 2018 07:17

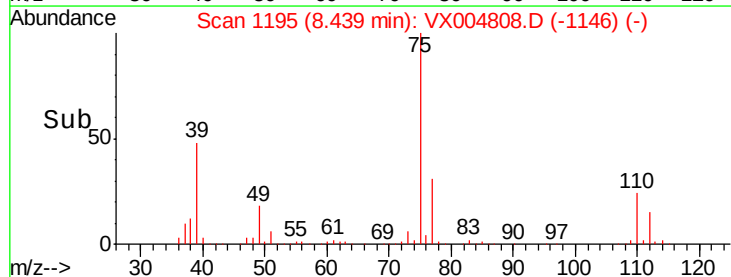
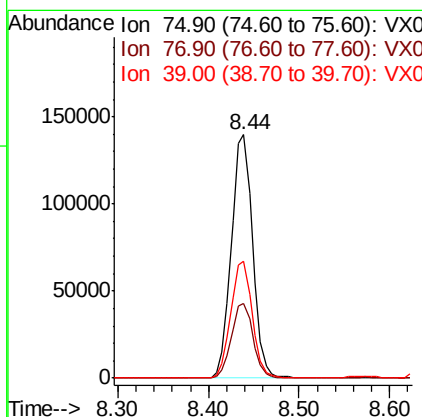
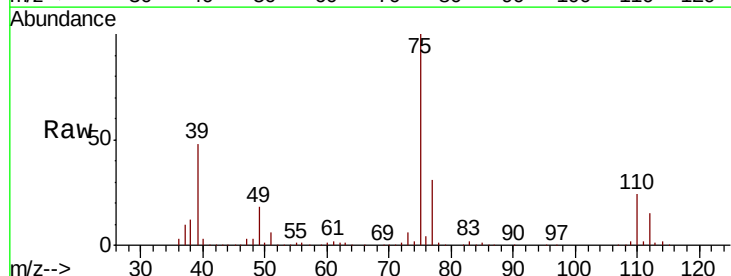
Instrument :
MSVOA_X
ClientSampleId :
T3-MW-7-10.0-091918MS

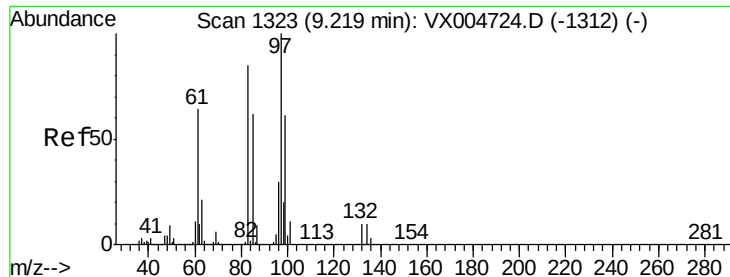
Tot Ion: 75 Resp: 214839
Ion Ratio Lower Upper
75 100
77 31.1 24.6 37.0



#54
cis-1,3-Dichloropropene
Concen: 52.726 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VX004808.D
Acq: 28 Sep 2018 07:17

Tgt Ion: 75 Resp: 227711
Ion Ratio Lower Upper
75 100
77 30.6 26.2 39.2
39 47.8 36.4 54.6





#55

1,1,2-Trichloroethane

Concen: 52.577 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VX004808.D

Acq: 28 Sep 2018 07:17

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-7-10.0-091918MS

Tot Ion: 97 Resp: 160022

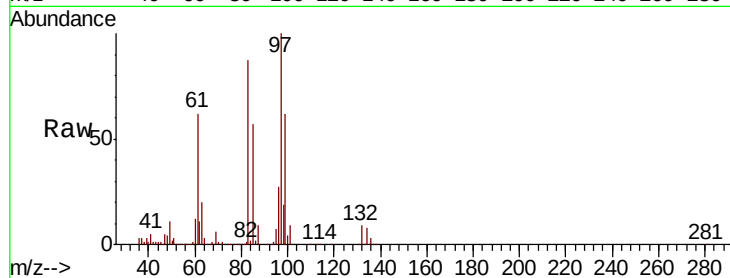
Ion Ratio Lower Upper

97 100

83 86.7 66.4 99.6

85 56.9 43.3 64.9

99 62.5 49.0 73.4

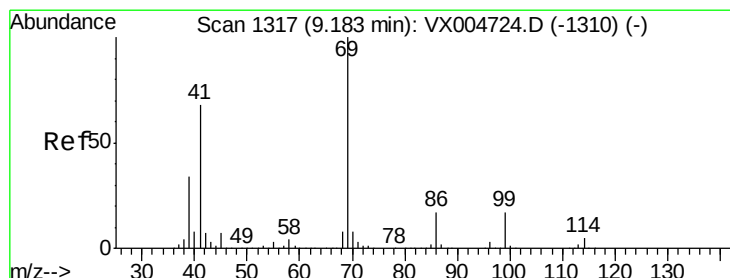
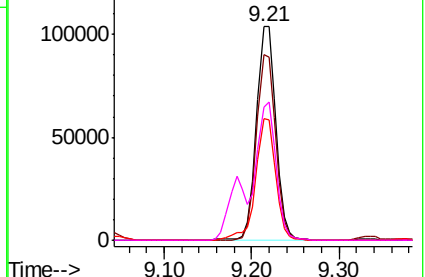
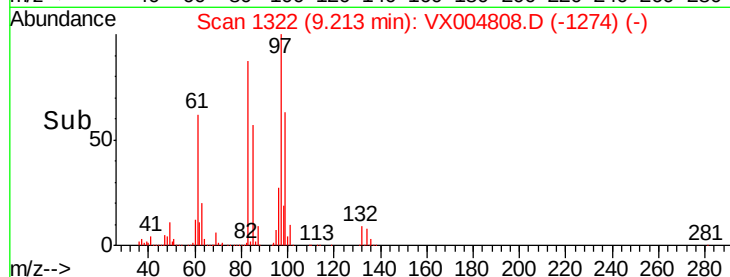


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 51.503 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VX004808.D

Acq: 28 Sep 2018 07:17

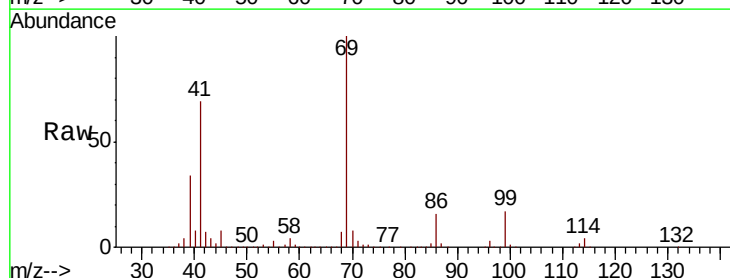
Tgt Ion: 69 Resp: 254822

Ion Ratio Lower Upper

69 100

41 69.0 51.0 76.4

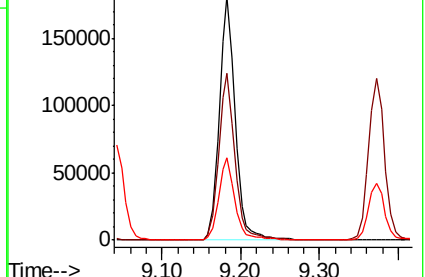
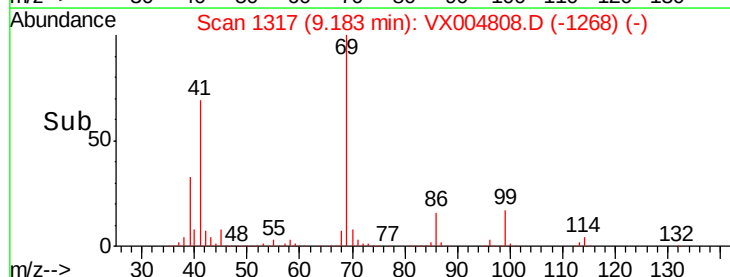
39 34.3 26.1 39.1

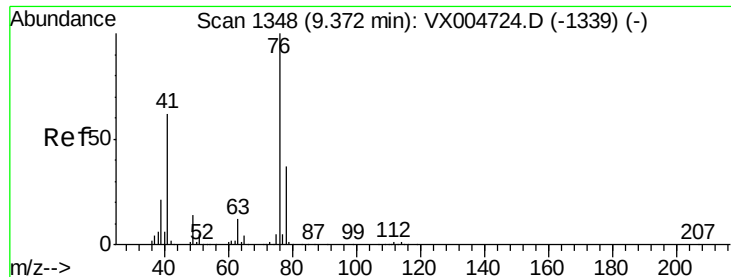


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

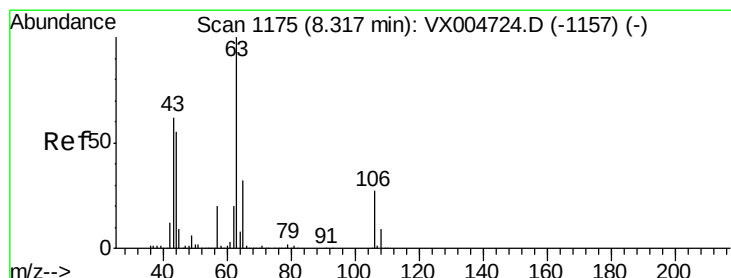
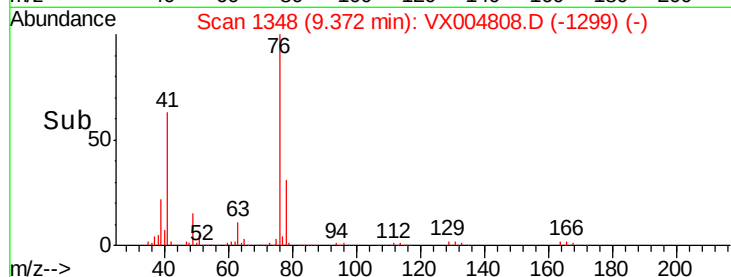
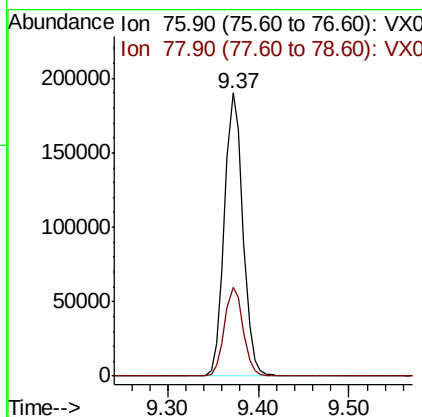
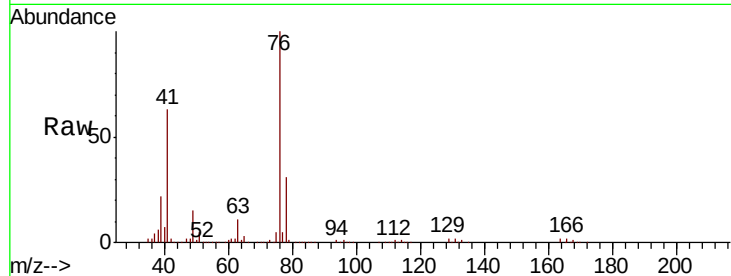




#57
 1,3-Dichloropropane
 Concen: 53.510 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX004808.D
 Acq: 28 Sep 2018 07:17

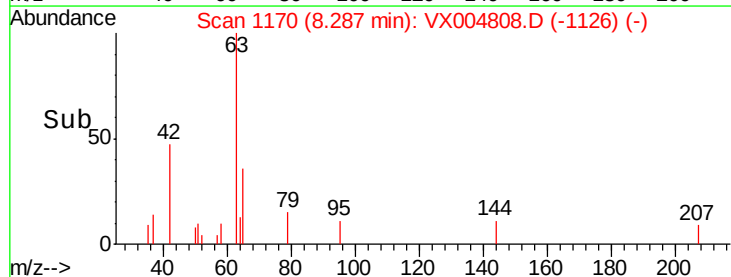
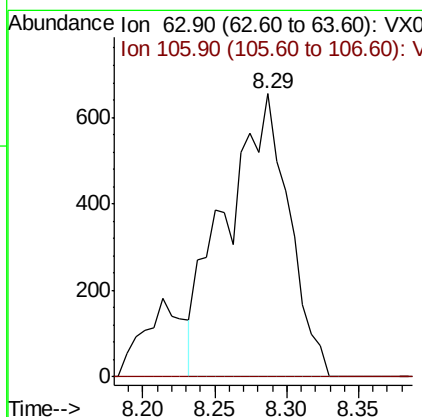
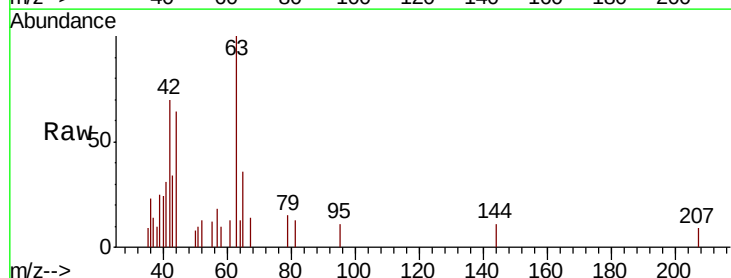
Instrument :
 MSVOA_X
 ClientSampleId :
 T3-MW-7-10.0-091918MS

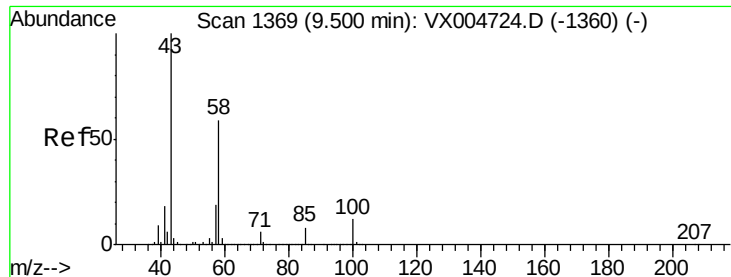
Tot Ion: 76 Resp: 271056
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 14.961 ug/l
 RT: 8.29 min Scan# 1170
 Delta R.T. -0.03 min
 Lab File: VX004808.D
 Acq: 28 Sep 2018 07:17

Tgt Ion: 63 Resp: 1999
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.9 35.9#

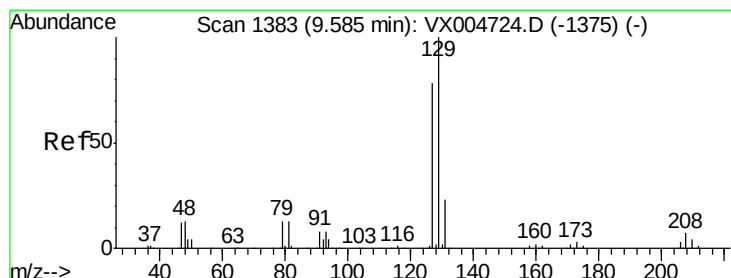
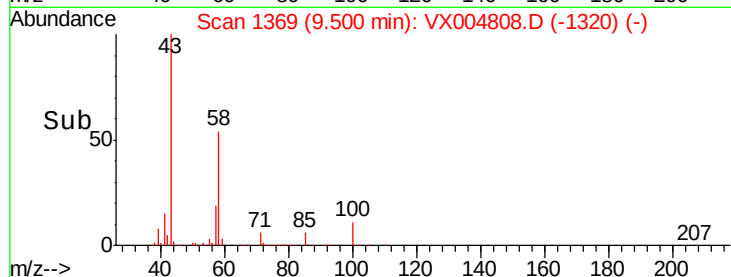
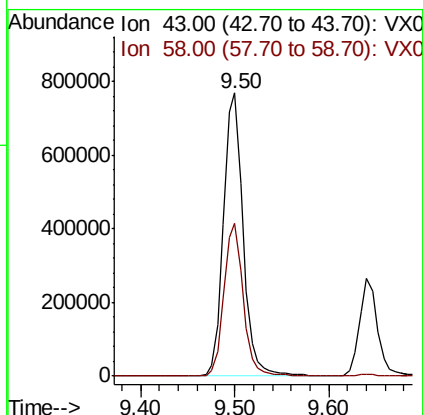
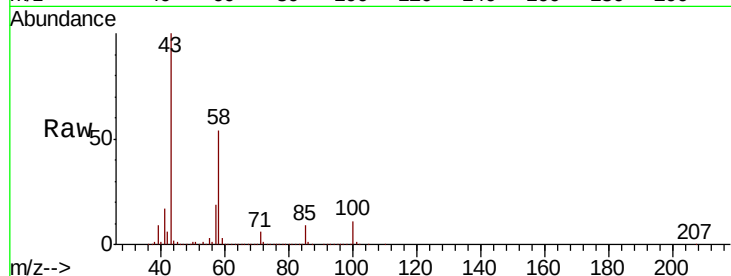




#59
2-Hexanone
Concen: 273.590 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX004808.D
Acq: 28 Sep 2018 07:17

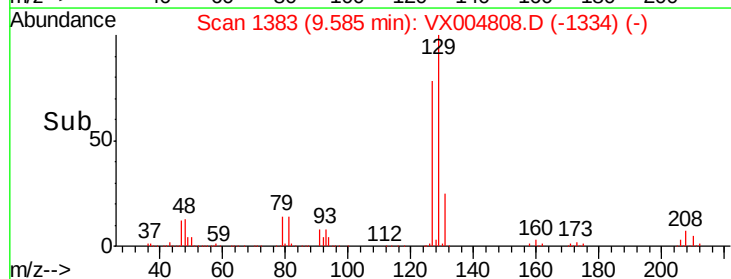
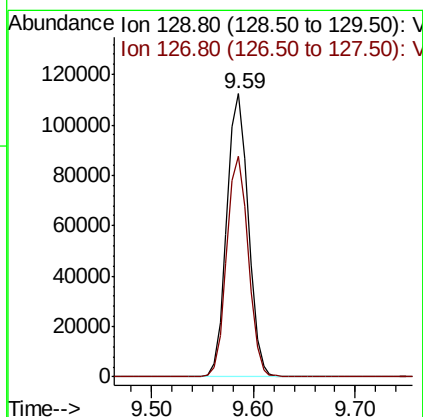
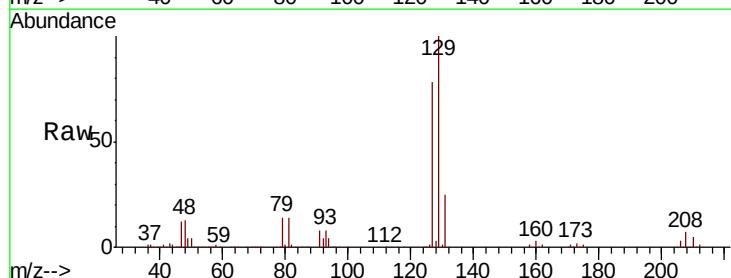
Instrument :
MSVOA_X
ClientSampleId :
T3-MW-7-10.0-091918MS

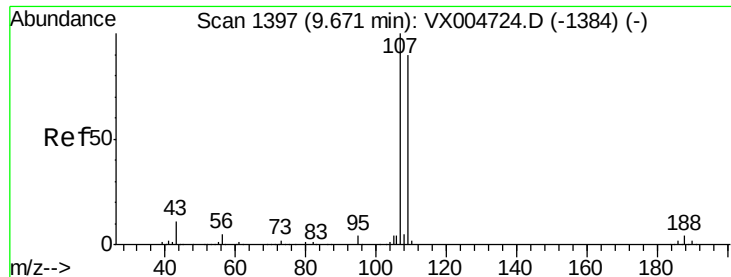
Tot Ion: 43 Resp: 1110880
Ion Ratio Lower Upper
43 100
58 53.3 29.0 87.0



#60
Dibromochloromethane
Concen: 53.873 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX004808.D
Acq: 28 Sep 2018 07:17

Tgt Ion: 129 Resp: 163980
Ion Ratio Lower Upper
129 100
127 78.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 51.115 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX004808.D

Acq: 28 Sep 2018 07:17

Instrument :

MSVOA_X

ClientSampleId :

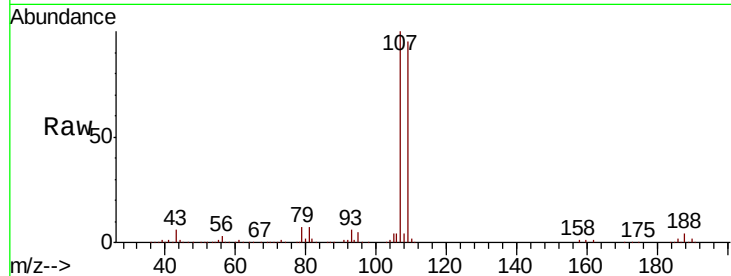
T3-MW-7-10.0-091918MS

Tot Ion:107 Resp: 166612

Ion Ratio Lower Upper

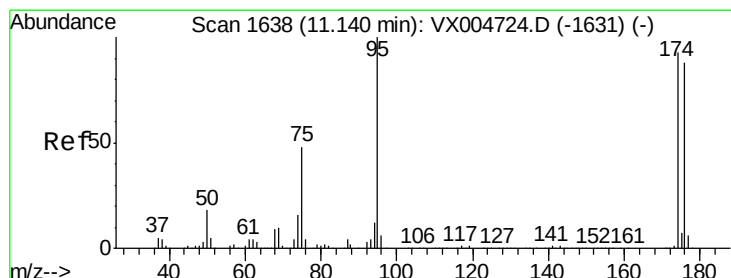
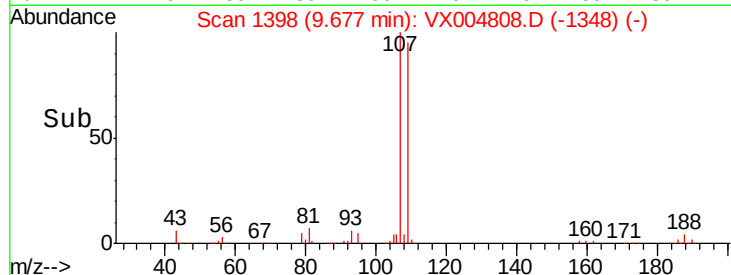
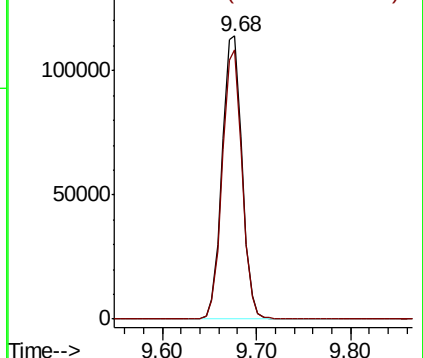
107 100

109 94.6 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 54.676 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004808.D

Acq: 28 Sep 2018 07:17

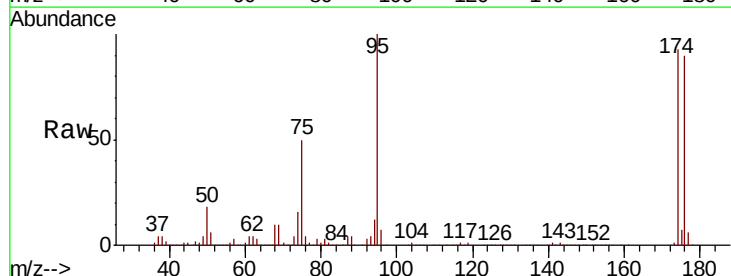
Tgt Ion: 95 Resp: 193859

Ion Ratio Lower Upper

95 100

174 89.5 0.0 185.2

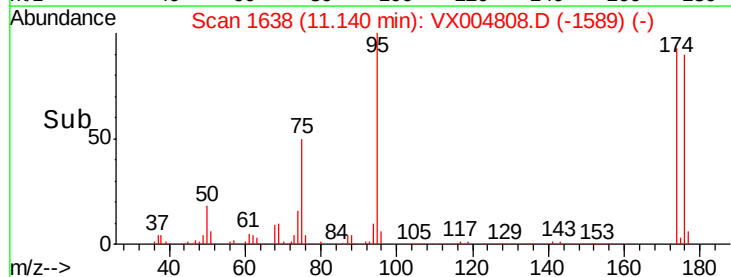
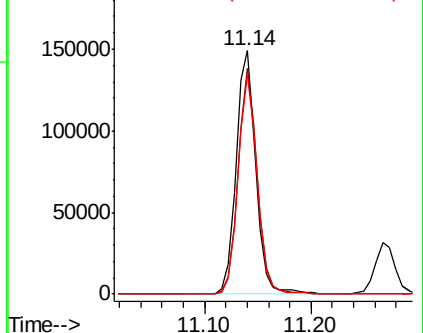
176 87.2 0.0 178.6

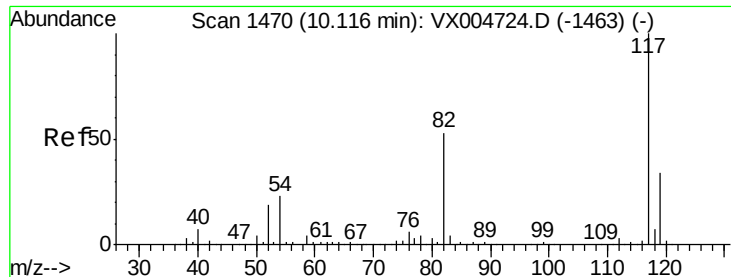


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

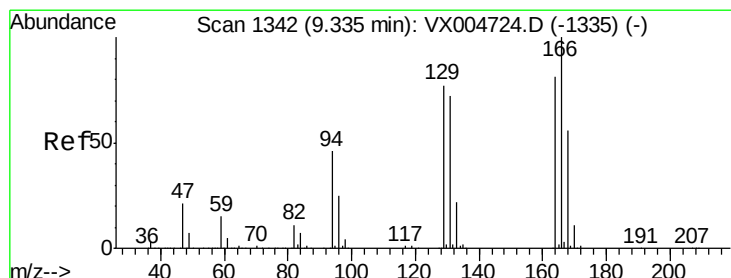
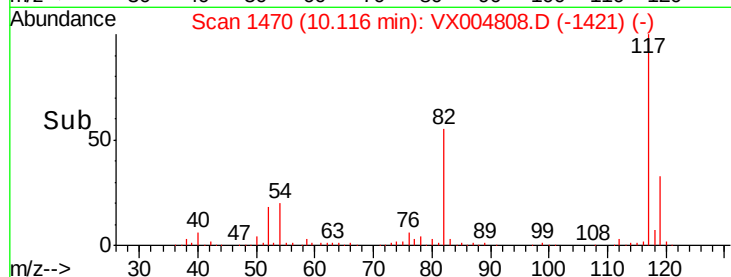
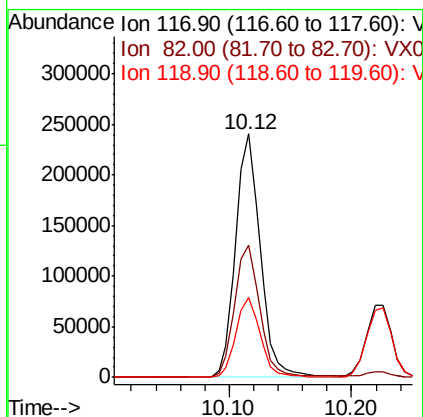
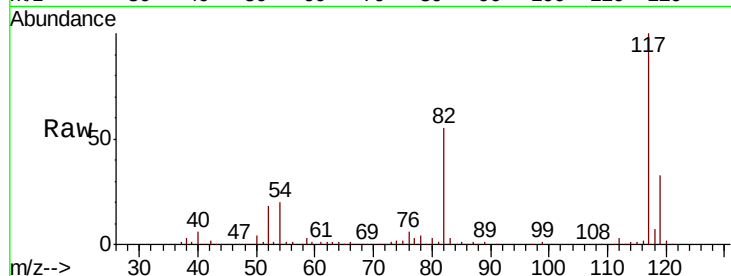




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004808.D
Acq: 28 Sep 2018 07:17

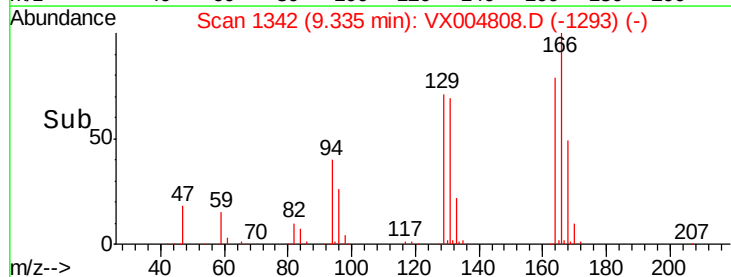
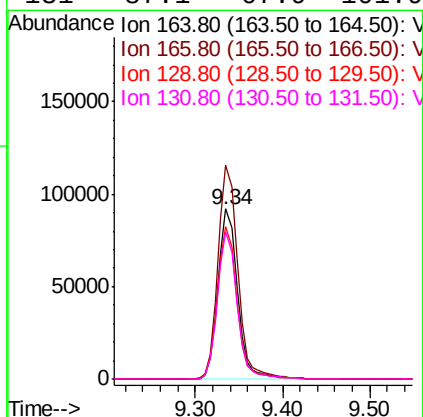
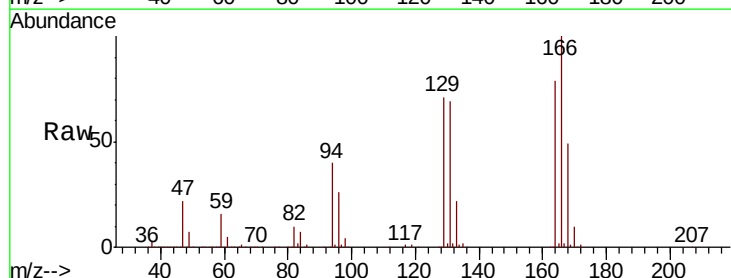
Instrument :
MSVOA_X
ClientSampleId :
T3-MW-7-10.0-091918MS

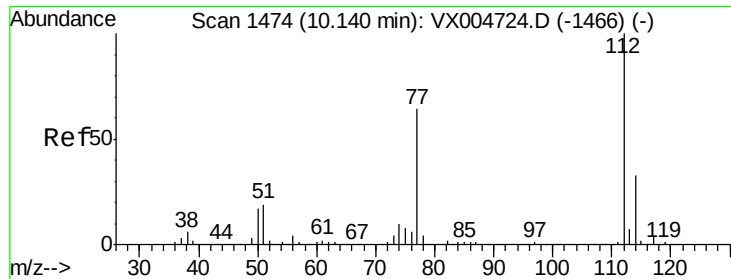
Tot Ion:117 Resp: 336393
Ion Ratio Lower Upper
117 100
82 54.5 47.8 71.6
119 32.7 29.3 43.9



#64
Tetrachloroethene
Concen: 43.072 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004808.D
Acq: 28 Sep 2018 07:17

Tgt Ion:164 Resp: 142604
Ion Ratio Lower Upper
164 100
166 125.8 102.8 154.2
129 89.7 69.4 104.0
131 87.1 67.9 101.9

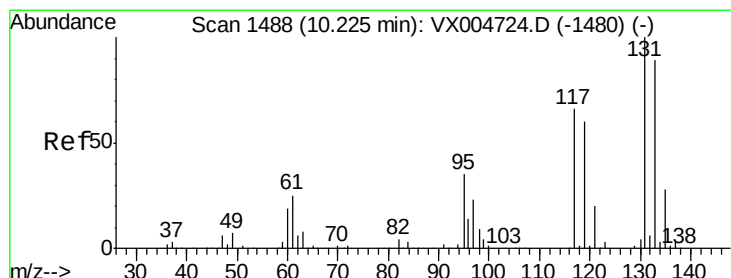
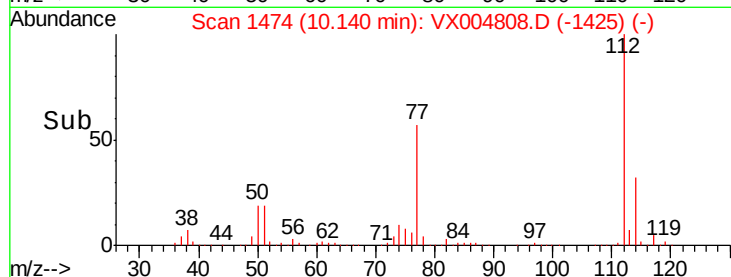
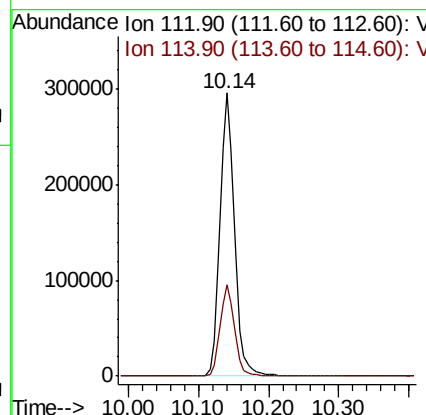
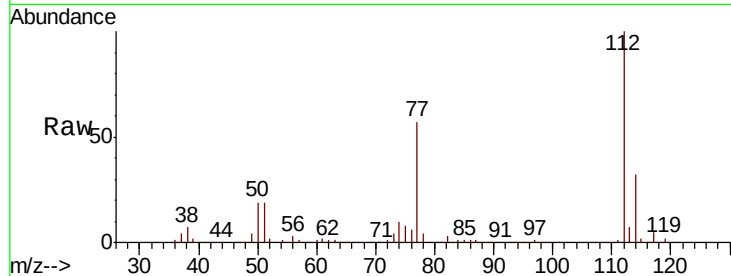




#65
Chlorobenzene
Concen: 49.260 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX004808.D
Acq: 28 Sep 2018 07:17

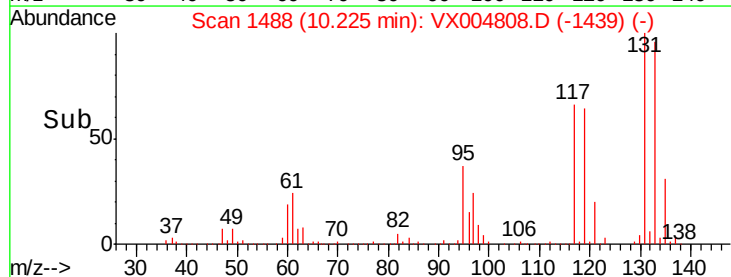
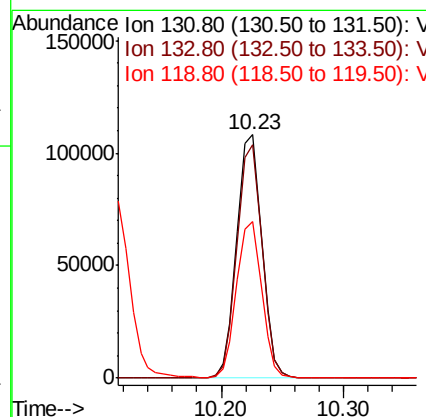
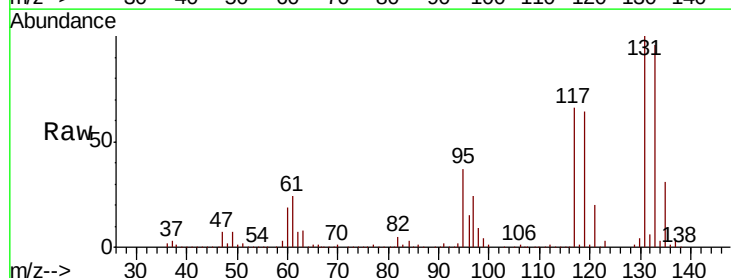
Instrument :
MSVOA_X
ClientSampleId :
T3-MW-7-10.0-091918MS

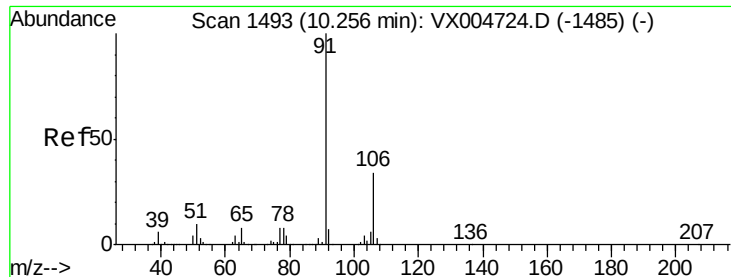
Tot Ion:112 Resp: 424916
Ion Ratio Lower Upper
112 100
114 32.1 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 50.815 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VX004808.D
Acq: 28 Sep 2018 07:17

Tgt Ion:131 Resp: 154098
Ion Ratio Lower Upper
131 100
133 95.4 48.1 144.4
119 64.5 32.9 98.6

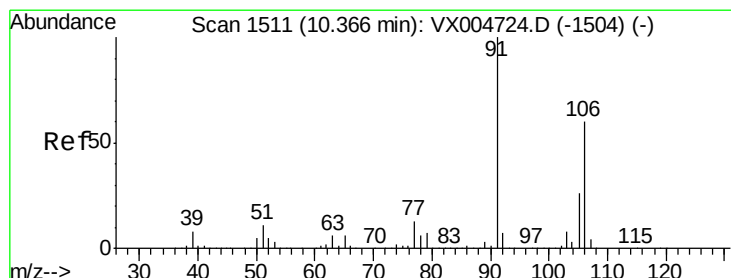
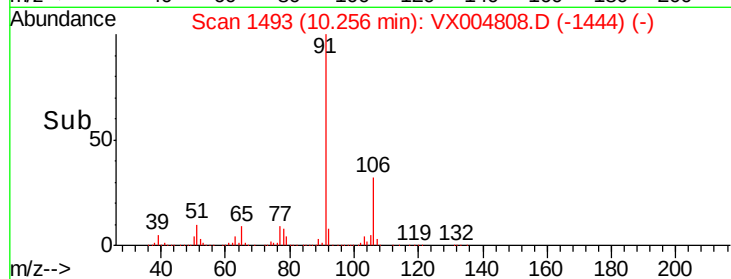
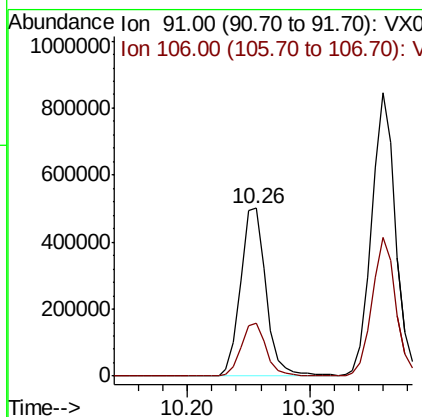
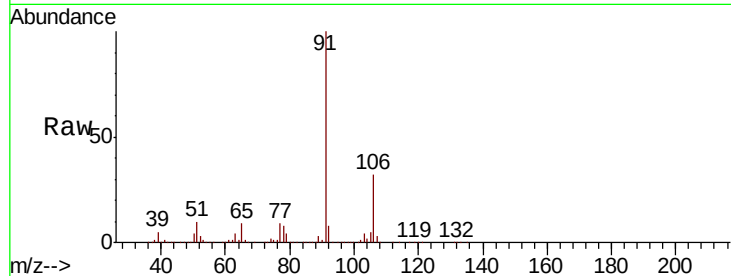




#67
Ethyl Benzene
Concen: 52.904 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VX004808.D
Acq: 28 Sep 2018 07:17

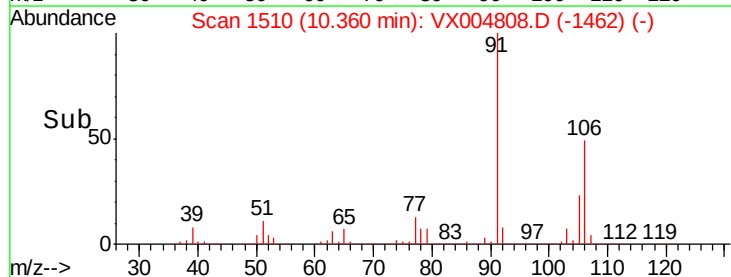
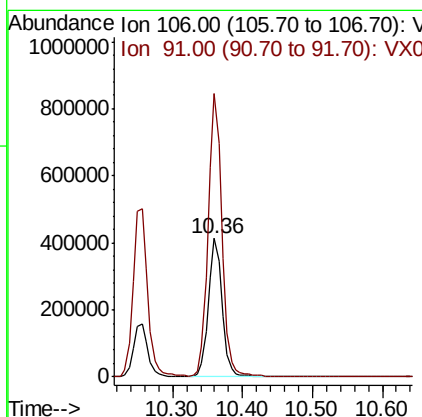
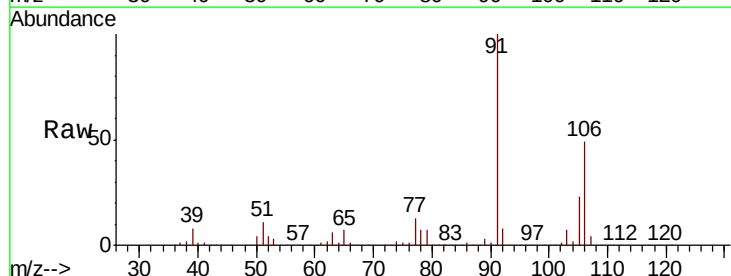
Instrument :
MSVOA_X
ClientSampleId :
T3-MW-7-10.0-091918MS

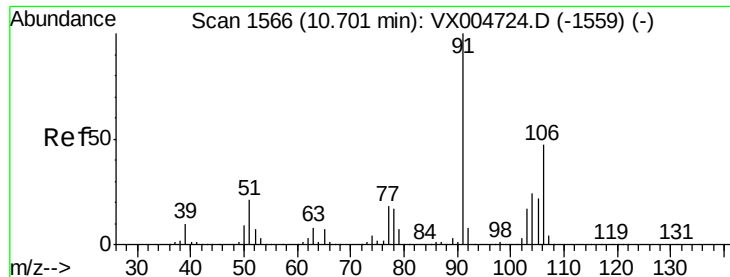
Tot Ion: 91 Resp: 724514
Ion Ratio Lower Upper
91 100
106 31.6 25.9 38.9



#68
m/p-Xylenes
Concen: 106.166 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX004808.D
Acq: 28 Sep 2018 07:17

Tgt Ion: 106 Resp: 568156
Ion Ratio Lower Upper
106 100
91 204.9 157.1 235.7

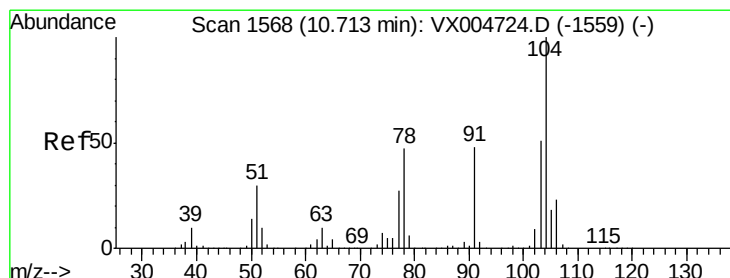
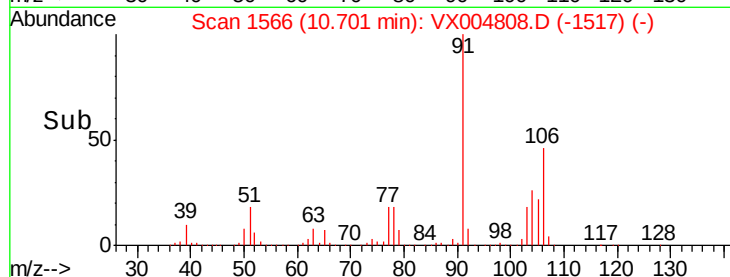
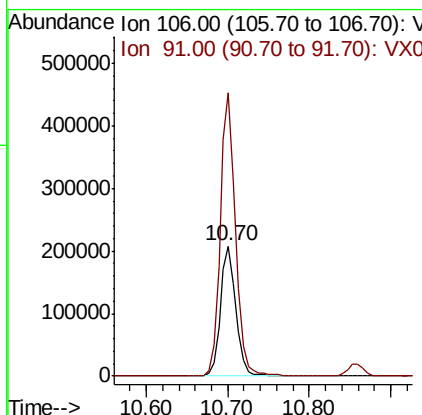
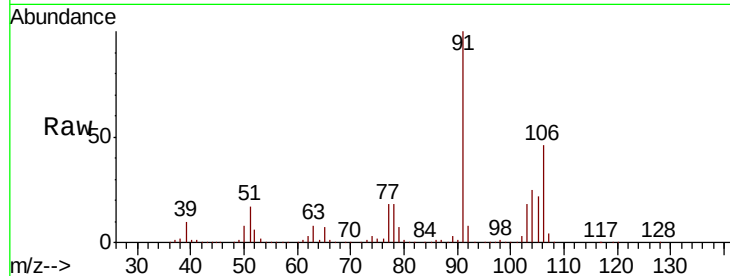




#69
o-Xylene
Concen: 55.672 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004808.D
Acq: 28 Sep 2018 07:17

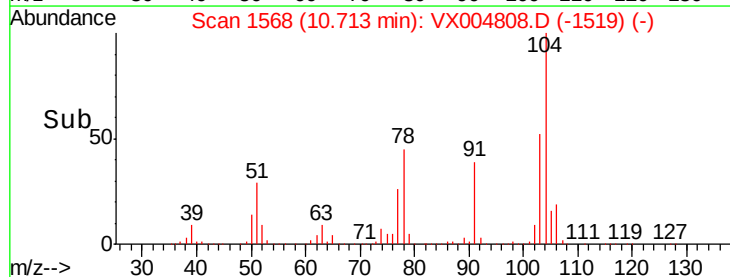
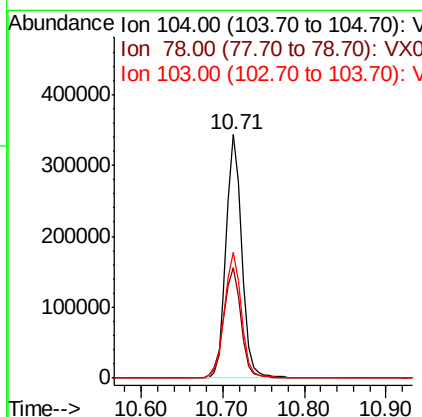
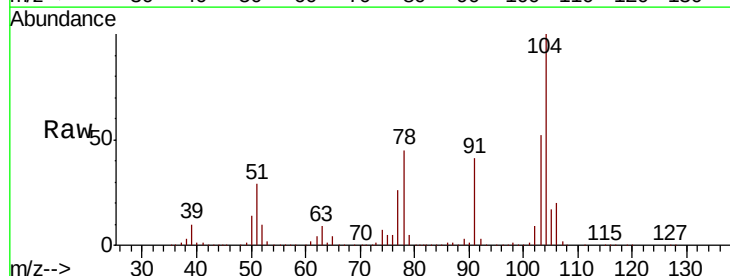
Instrument :
MSVOA_X
ClientSampleId :
T3-MW-7-10.0-091918MS

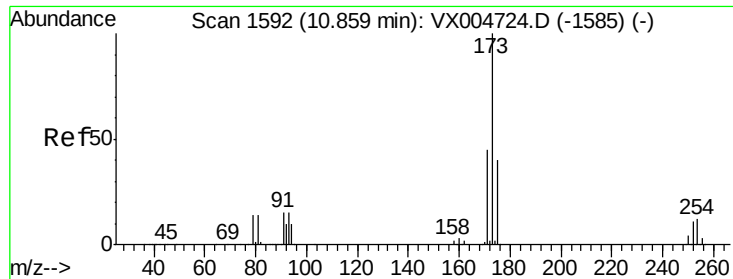
Tot Ion:106 Resp: 273650
Ion Ratio Lower Upper
106 100
91 215.9 105.1 315.1



#70
Styrene
Concen: 49.875 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004808.D
Acq: 28 Sep 2018 07:17

Tgt Ion:104 Resp: 458469
Ion Ratio Lower Upper
104 100
78 50.4 37.4 56.0
103 55.7 43.8 65.6





#71

Bromoform

Concen: 51.708 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX004808.D

Acq: 28 Sep 2018 07:17

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-7-10.0-091918MS

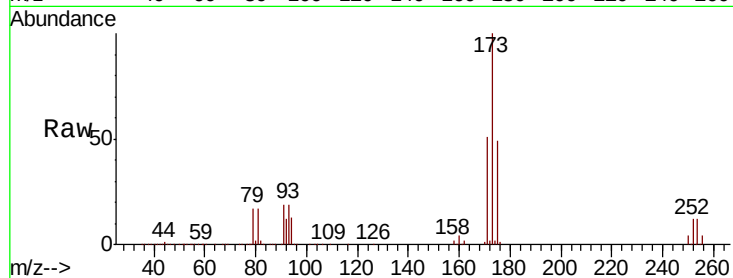
Tot Ion:173 Resp: 134246

Ion Ratio Lower Upper

173 100

175 48.6 24.1 72.3

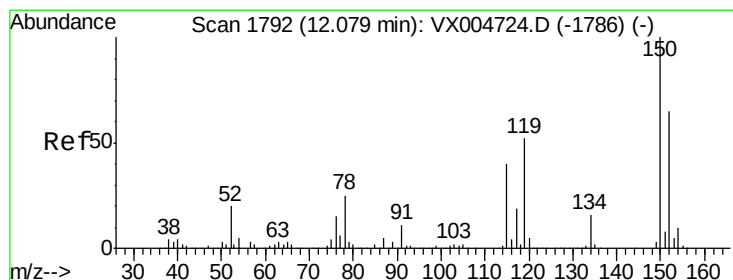
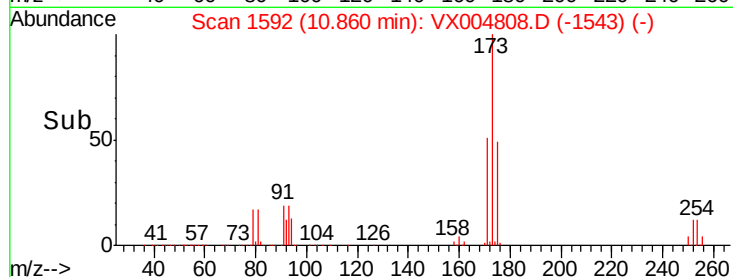
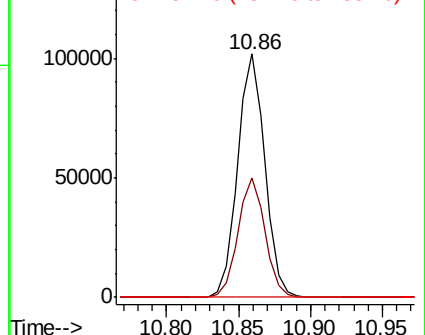
254 0.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004808.D

Acq: 28 Sep 2018 07:17

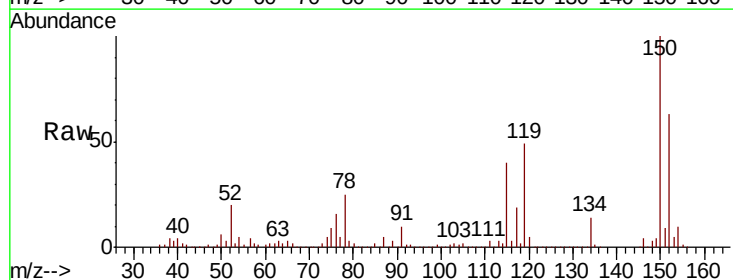
Tgt Ion:152 Resp: 205057

Ion Ratio Lower Upper

152 100

115 80.1 39.0 117.0

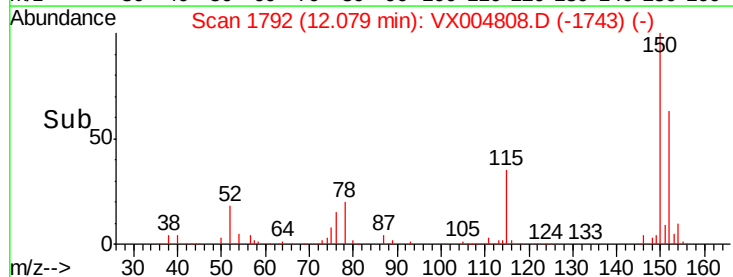
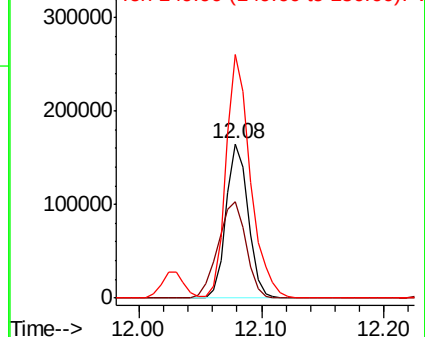
150 174.3 0.0 351.0

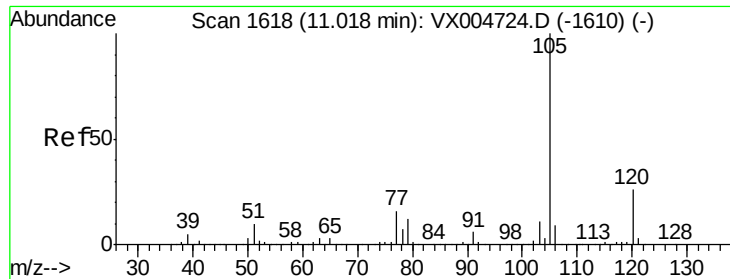


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 61.935 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004808.D

Acq: 28 Sep 2018 07:17

Instrument :

MSVOA_X

ClientSampleId :

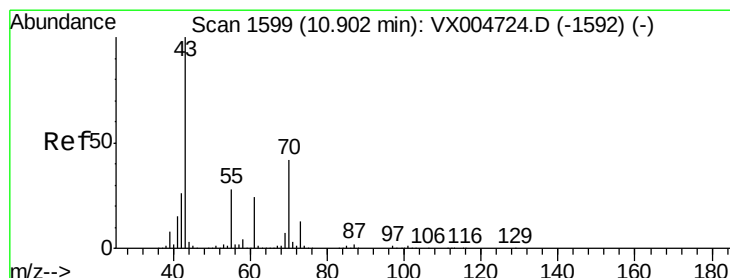
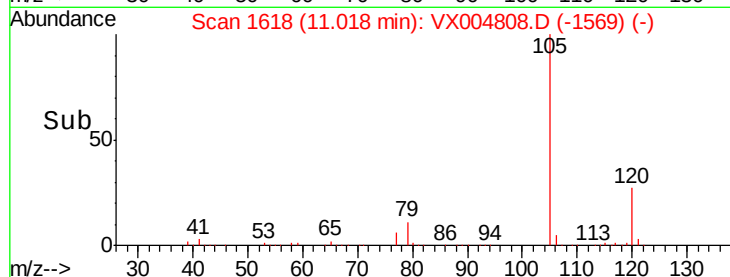
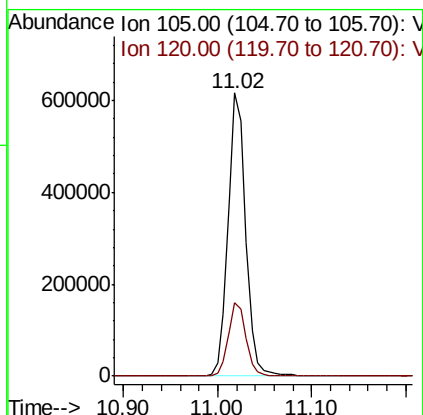
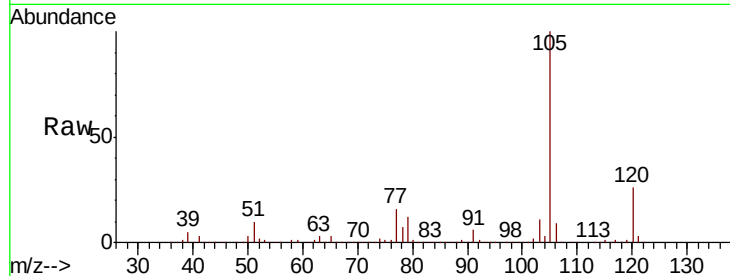
T3-MW-7-10.0-091918MS

Tot Ion: 105 Resp: 800508

Ion Ratio Lower Upper

105 100

120 26.3 13.5 40.4



#74

N-ethyl acetate

Concen: 48.968 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004808.D

Acq: 28 Sep 2018 07:17

Tgt Ion: 43 Resp: 347611

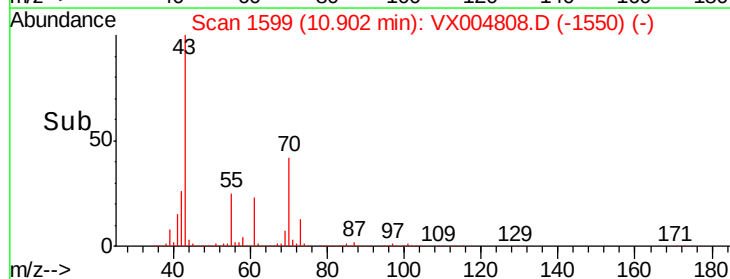
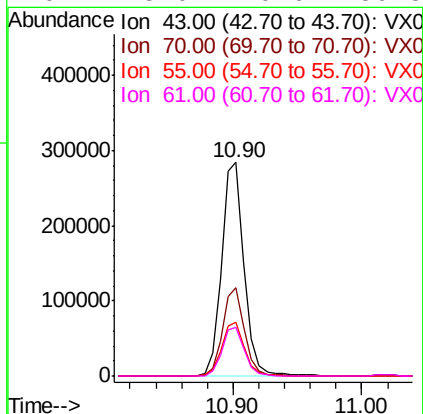
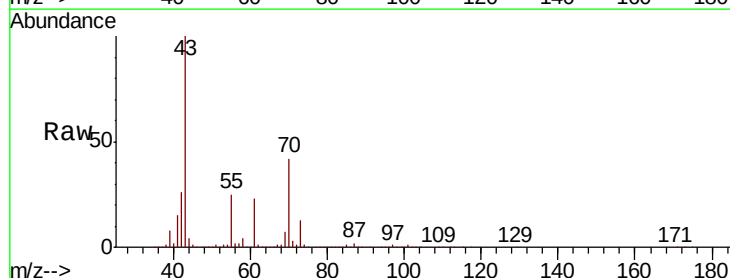
Ion Ratio Lower Upper

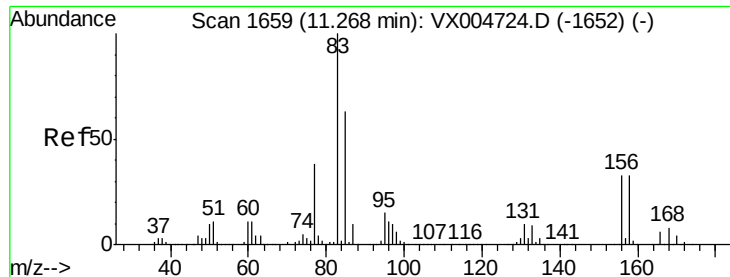
43 100

70 40.5 37.4 56.0

55 25.6 21.8 32.8

61 23.0 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 50.600 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004808.D

Acq: 28 Sep 2018 07:17

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-7-10.0-091918MS

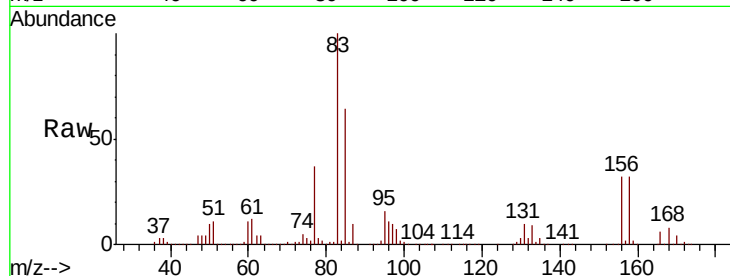
Tot Ion: 83 Resp: 266223

Ion Ratio Lower Upper

83 100

131 10.3 5.2 15.6

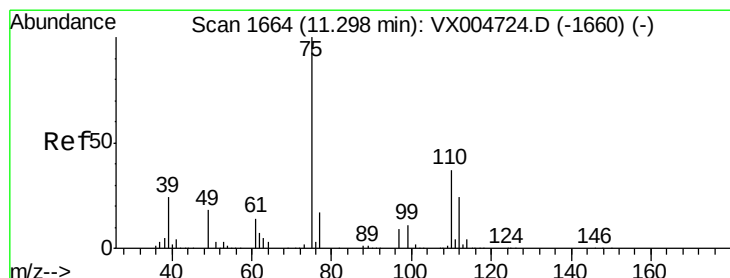
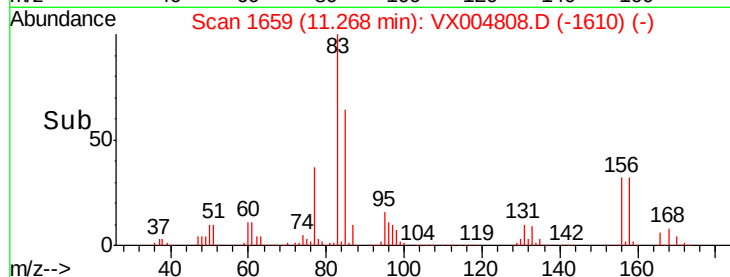
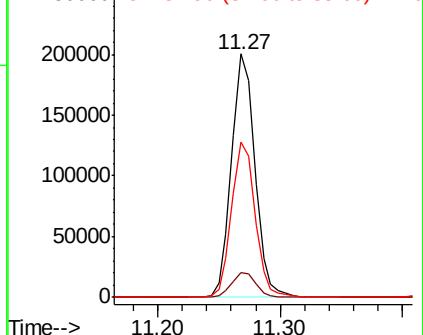
85 64.3 32.3 96.8



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: 63.002 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX004808.D

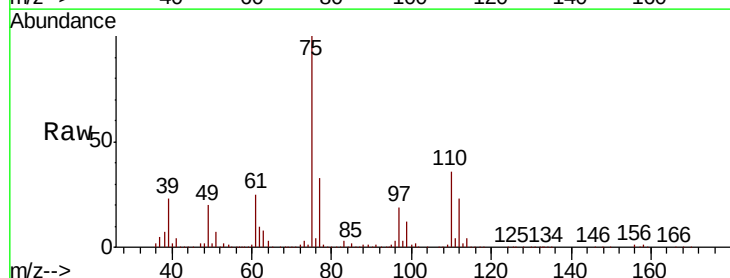
Acq: 28 Sep 2018 07:17

Tgt Ion: 75 Resp: 289560

Ion Ratio Lower Upper

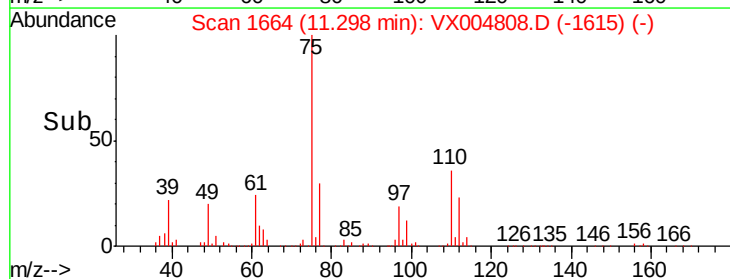
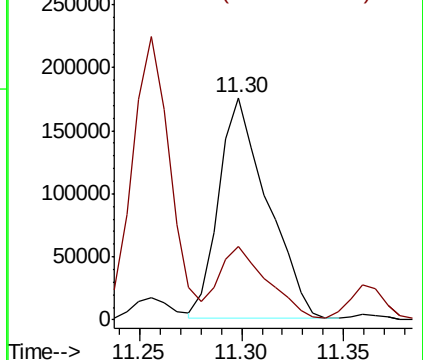
75 100

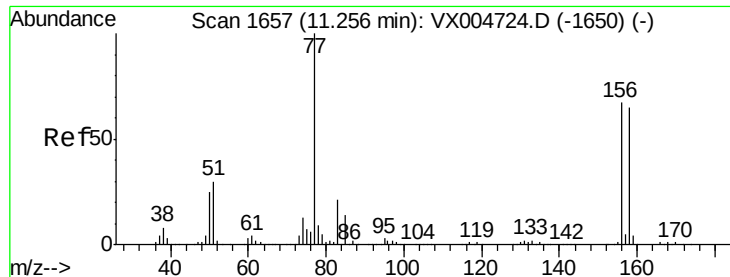
77 33.2 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 52.131 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004808.D

Acq: 28 Sep 2018 07:17

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-7-10.0-091918MS

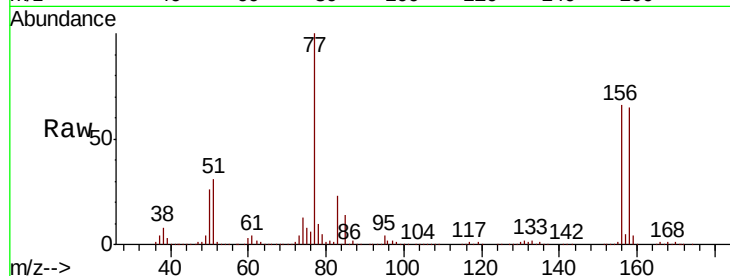
Tot Ion:156 Resp: 195709

Ion Ratio Lower Upper

156 100

77 148.3 71.5 214.3

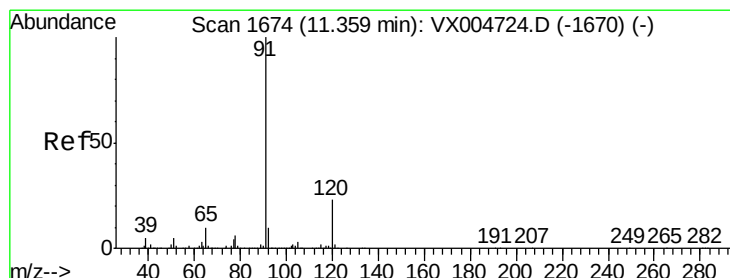
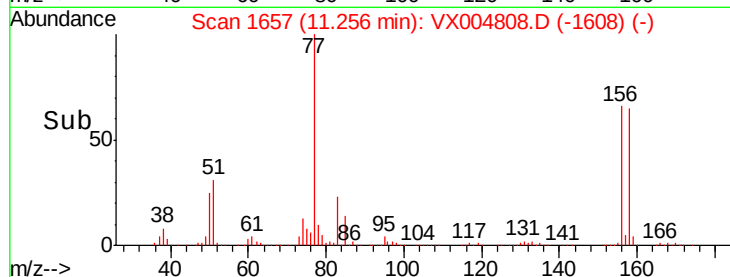
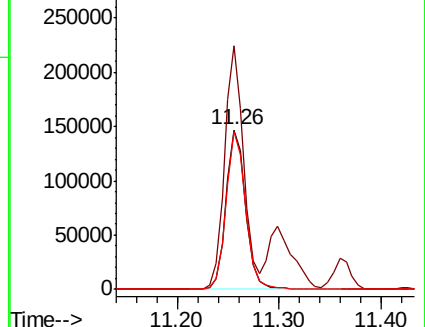
158 98.4 48.9 146.8



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: 57.587 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004808.D

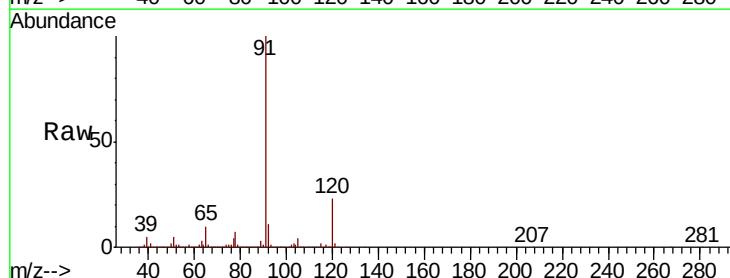
Acq: 28 Sep 2018 07:17

Tgt Ion: 91 Resp: 854011

Ion Ratio Lower Upper

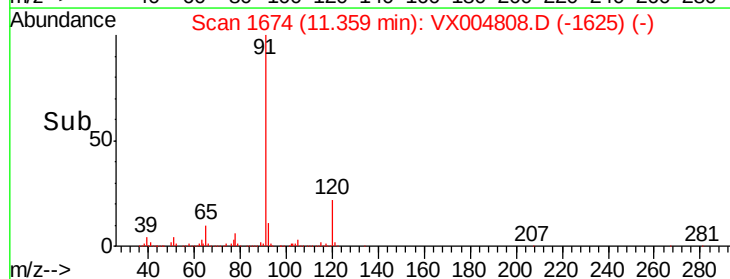
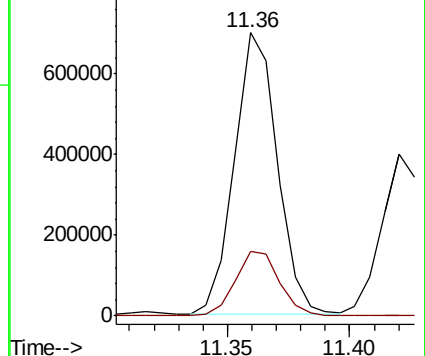
91 100

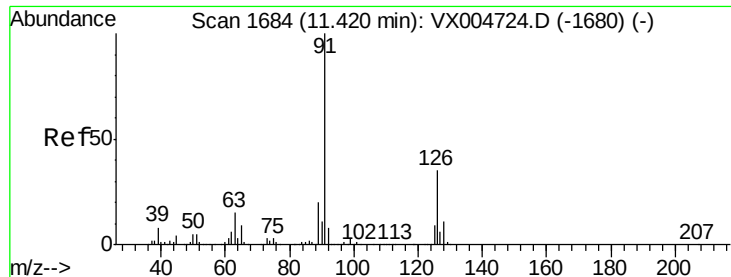
120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.921 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004808.D

Acq: 28 Sep 2018 07:17

Instrument :

MSVOA_X

ClientSampleId :

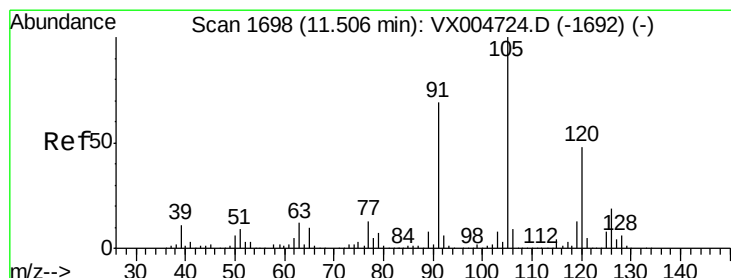
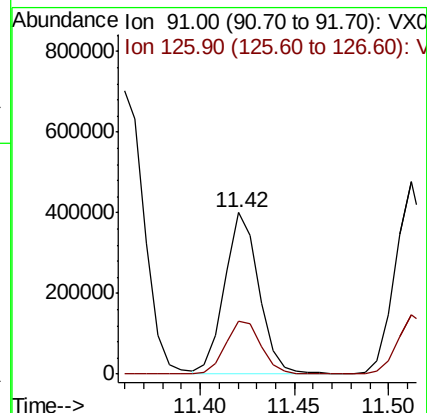
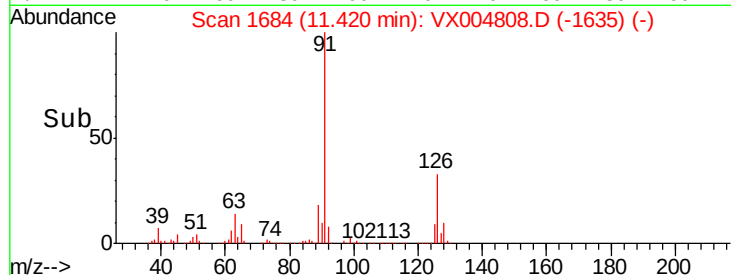
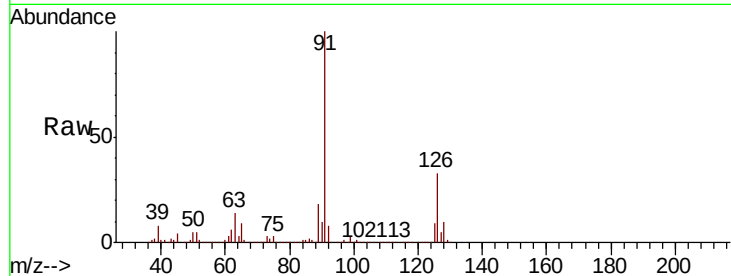
T3-MW-7-10.0-091918MS

Tot Ion: 91 Resp: 498431

Ion Ratio Lower Upper

91 100

126 34.9 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 51.752 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004808.D

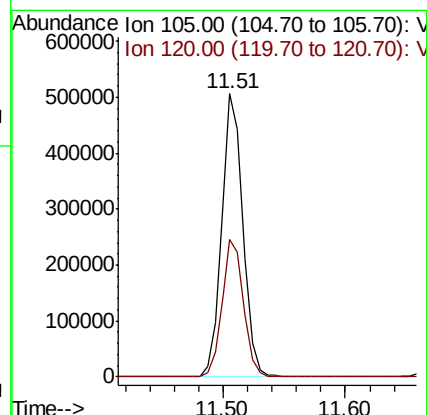
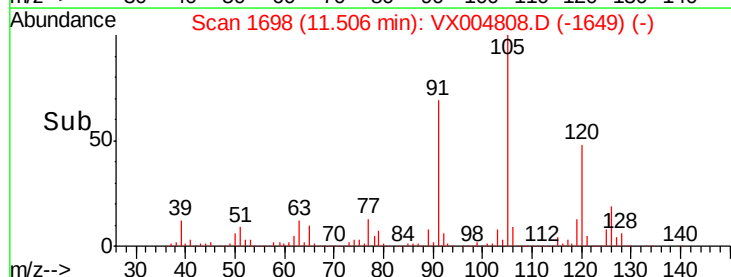
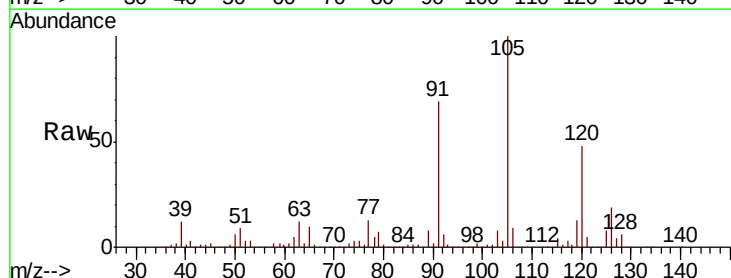
Acq: 28 Sep 2018 07:17

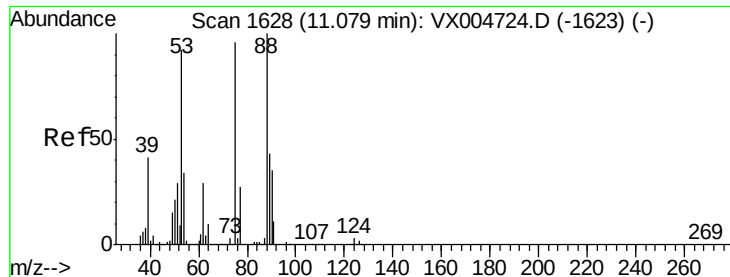
Tgt Ion: 105 Resp: 612985

Ion Ratio Lower Upper

105 100

120 48.8 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 39.674 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX004808.D

Acq: 28 Sep 2018 07:17

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-7-10.0-091918MS

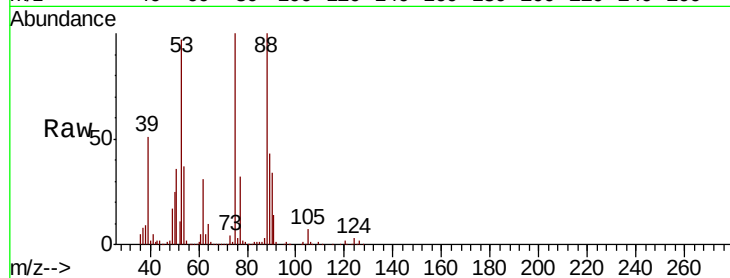
Tot Ion: 75 Resp: 66136

Ion Ratio Lower Upper

75 100

53 99.3 80.1 120.1

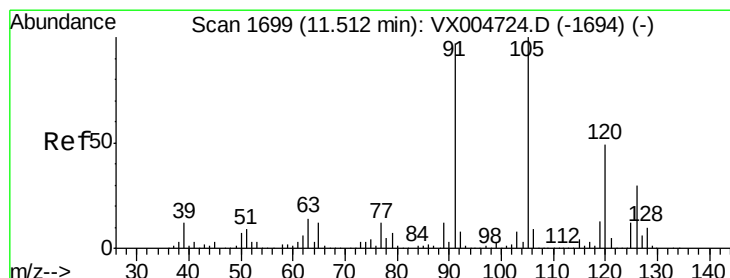
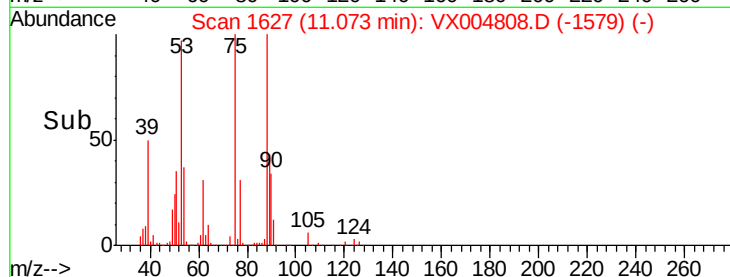
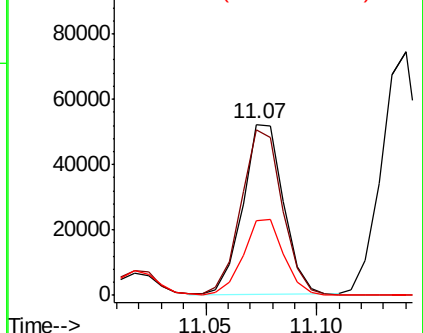
89 45.0 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 54.227 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX004808.D

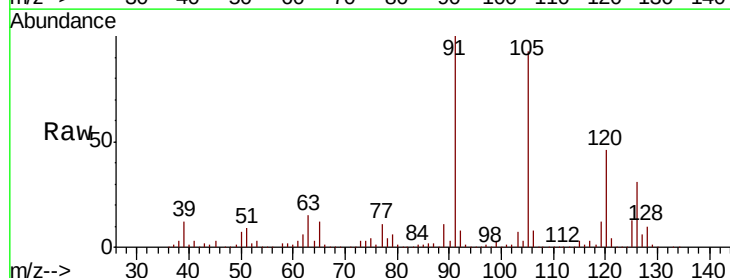
Acq: 28 Sep 2018 07:17

Tgt Ion: 91 Resp: 590003

Ion Ratio Lower Upper

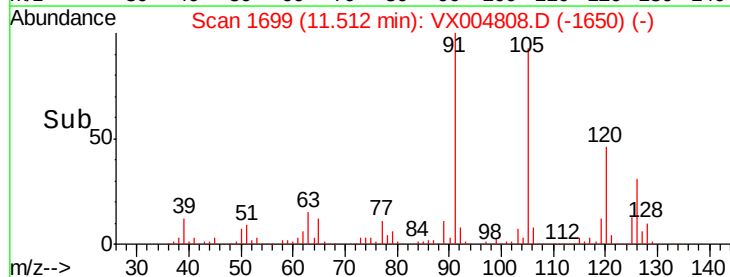
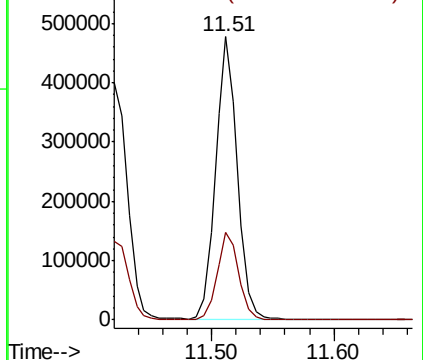
91 100

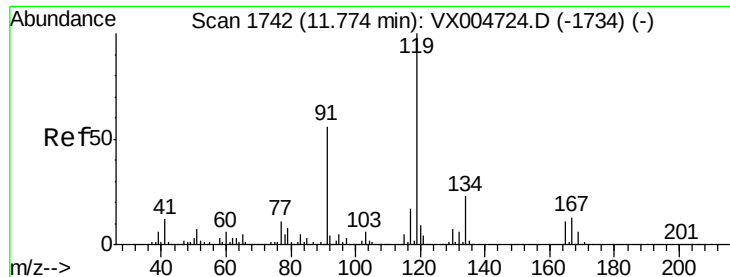
126 30.8 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

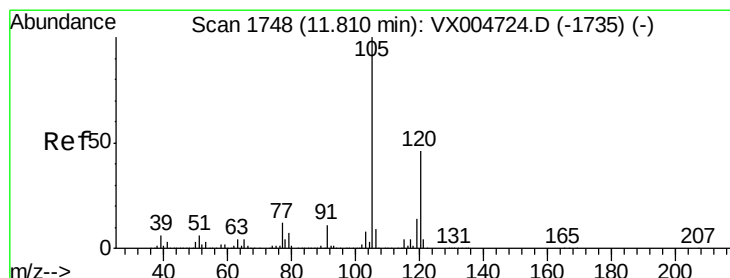
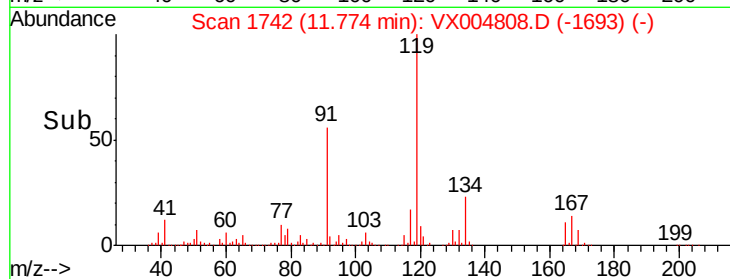
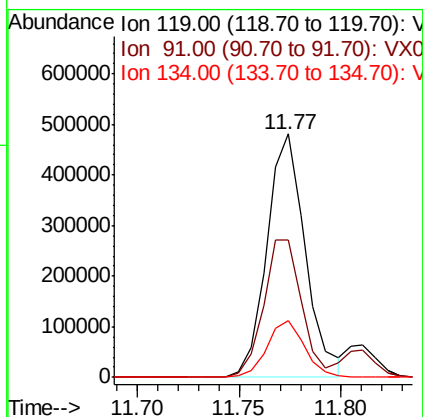
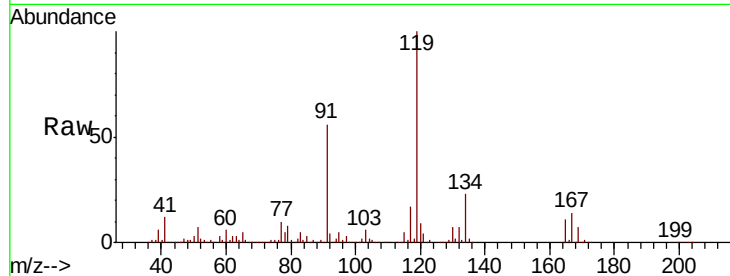




#83
 tert-Butylbenzene
 Concen: 59.172 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX004808.D
 Acq: 28 Sep 2018 07:17

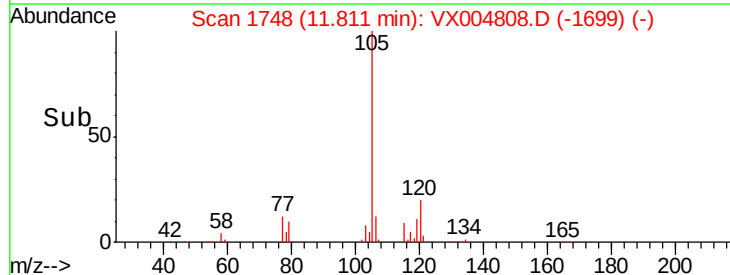
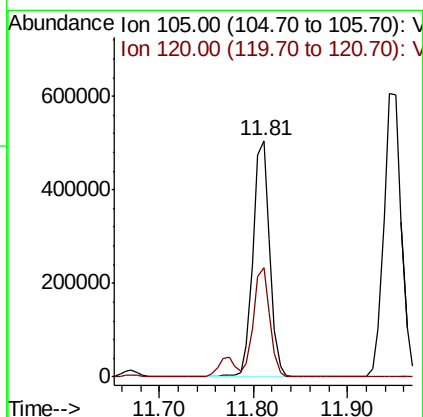
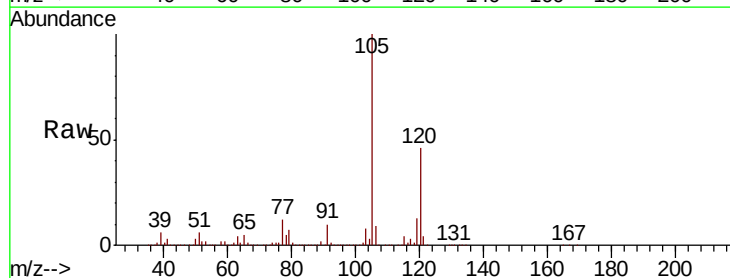
Instrument :
 MSVOA_X
 ClientSampleId :
 T3-MW-7-10.0-091918MS

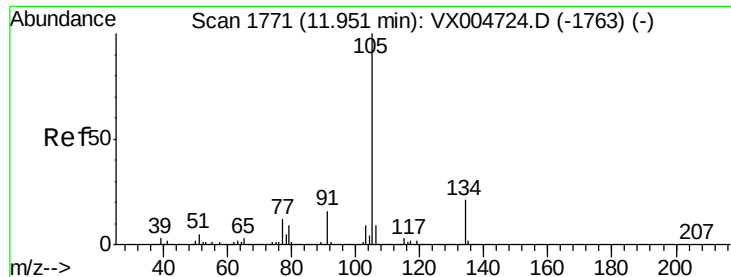
Tot Ion:119 Resp: 629685
 Ion Ratio Lower Upper
 119 100
 91 55.9 27.0 81.0
 134 22.7 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 51.844 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004808.D
 Acq: 28 Sep 2018 07:17

Tgt Ion:105 Resp: 633278
 Ion Ratio Lower Upper
 105 100
 120 45.3 23.2 69.6





#85

sec-Butylbenzene

Concen: 60.481 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004808.D

Acq: 28 Sep 2018 07:17

Instrument :

MSVOA_X

ClientSampleId :

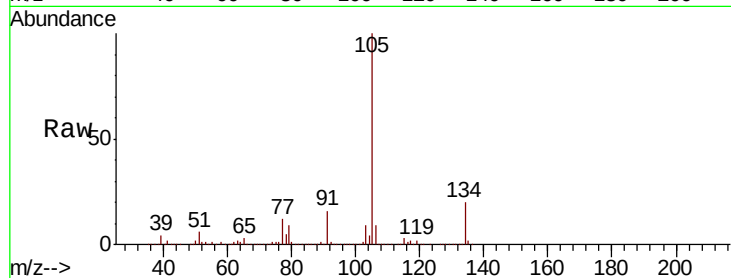
T3-MW-7-10.0-091918MS

Tot Ion:105 Resp: 783941

Ion Ratio Lower Upper

105 100

134 21.6 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

600000

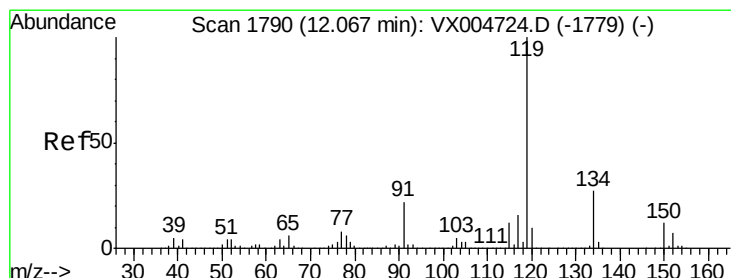
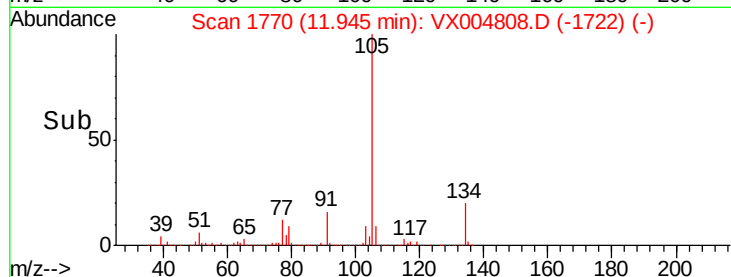
400000

200000

0

11.90 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 54.481 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004808.D

Acq: 28 Sep 2018 07:17

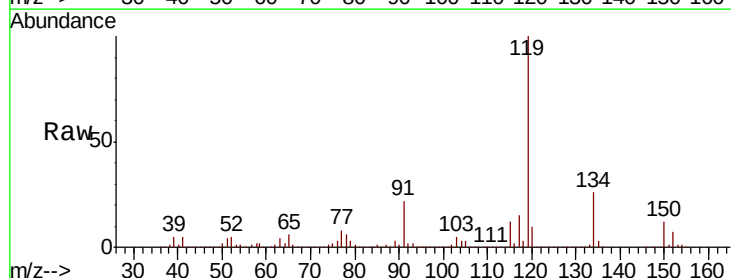
Tgt Ion:119 Resp: 639801

Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.2

91 22.7 10.9 32.7



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): VX0

600000

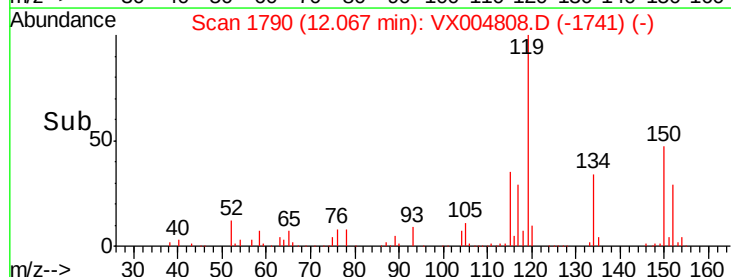
400000

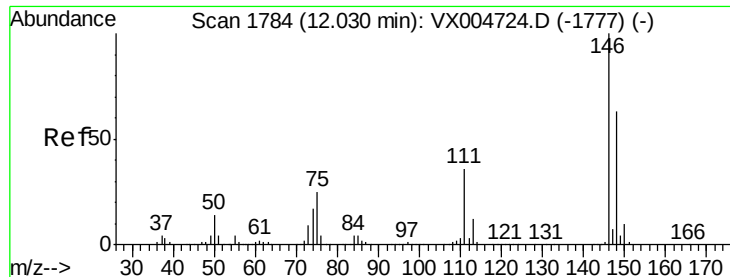
200000

0

12.00 12.10

Time-->





#87

1,3-Dichlorobenzene

Concen: 51.088 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VX004808.D

Acq: 28 Sep 2018 07:17

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-7-10.0-091918MS

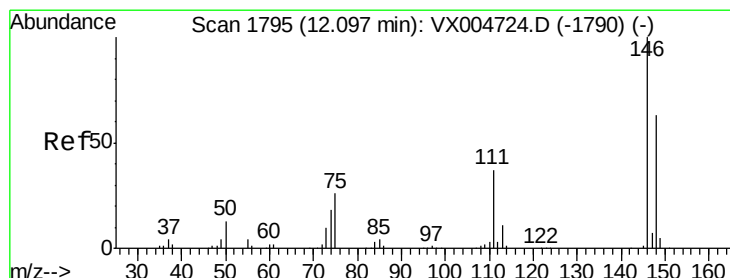
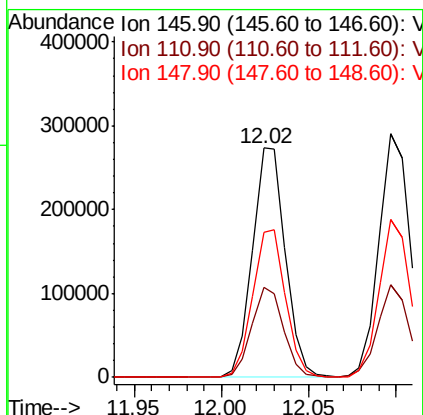
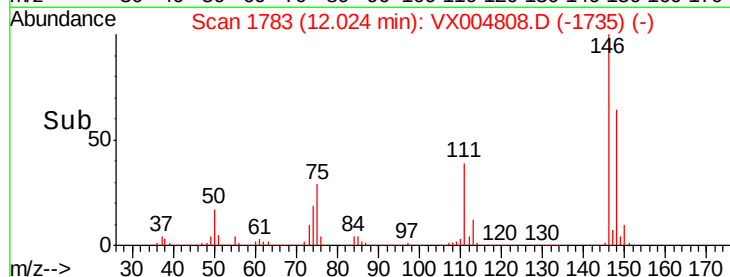
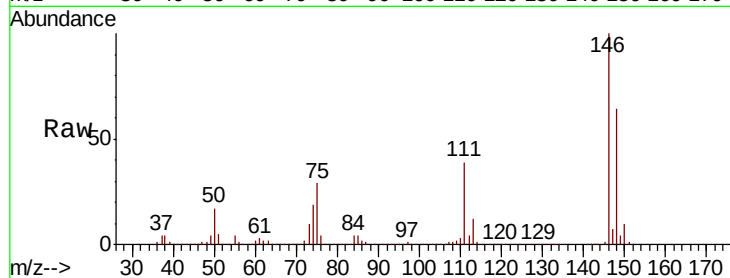
Tot Ion:146 Resp: 358135

Ion Ratio Lower Upper

146 100

111 38.2 18.7 56.1

148 64.5 32.1 96.5



#88

1,4-Dichlorobenzene

Concen: 50.026 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX004808.D

Acq: 28 Sep 2018 07:17

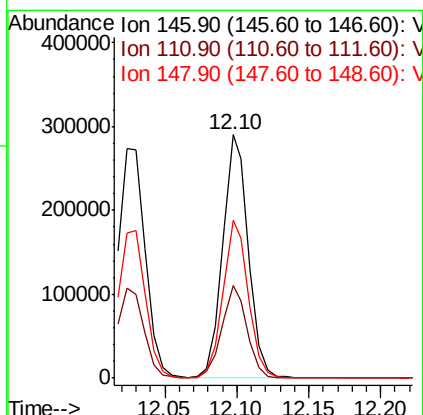
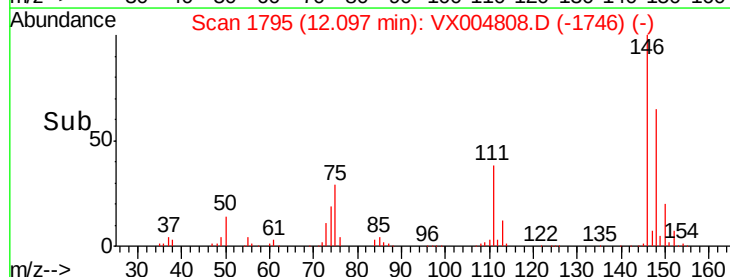
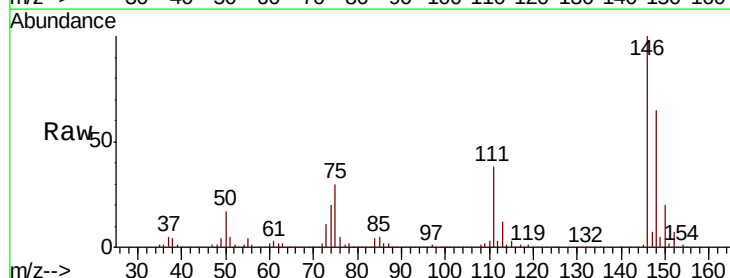
Tgt Ion:146 Resp: 362010

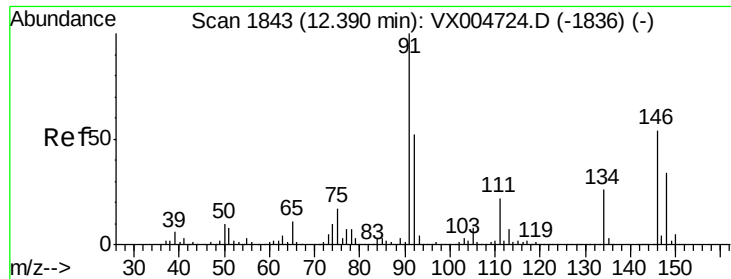
Ion Ratio Lower Upper

146 100

111 37.7 18.1 54.1

148 64.3 32.0 96.0





#89

n-Butylbenzene

Concen: 53.952 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX004808.D

Acq: 28 Sep 2018 07:17

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-7-10.0-091918MS

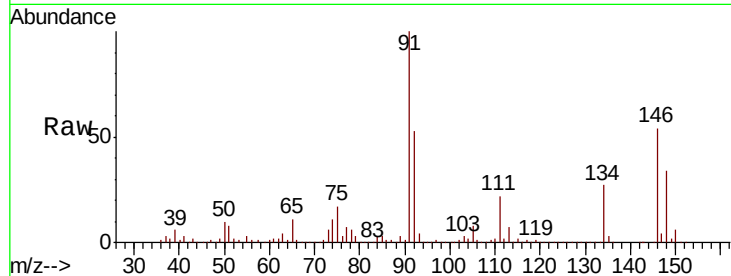
Tot Ion: 91 Resp: 575418

Ion Ratio Lower Upper

91 100

92 52.8 27.3 81.9

134 26.5 13.6 40.7

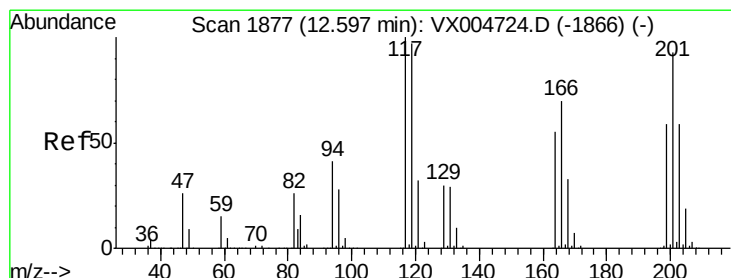
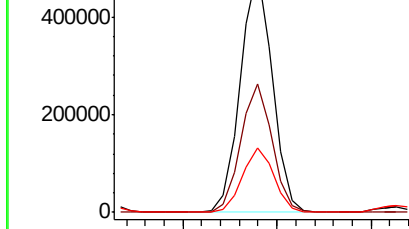
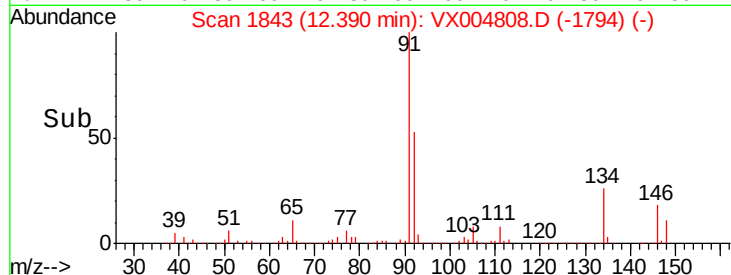


Abundance Ion 91.00 (90.70 to 91.70): VX004724.D (-1836) (-)

Ion 92.00 (91.70 to 92.70): VX004724.D (-1836) (-)

Ion 134.00 (133.70 to 134.70): VX004724.D (-1836) (-)

Time-->



#90

Hexachloroethane

Concen: 53.334 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX004808.D

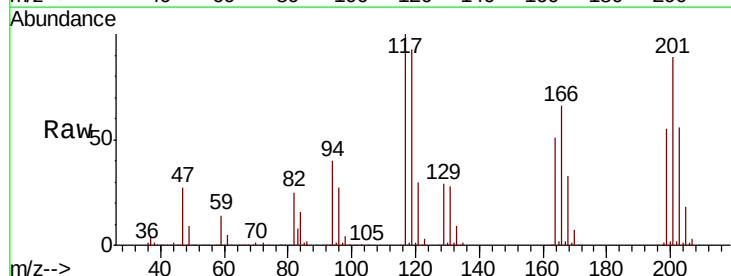
Acq: 28 Sep 2018 07:17

Tgt Ion: 117 Resp: 104281

Ion Ratio Lower Upper

117 100

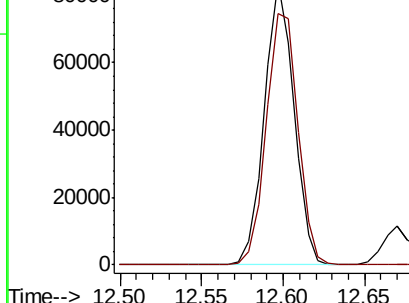
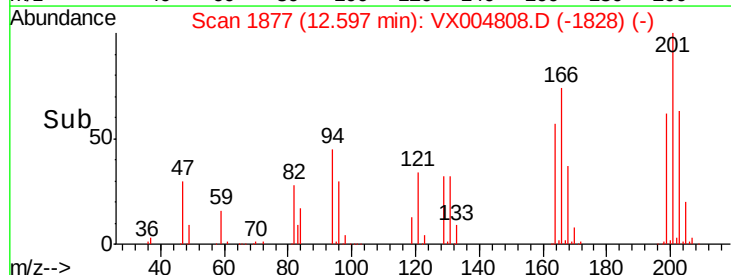
201 95.6 46.9 140.6

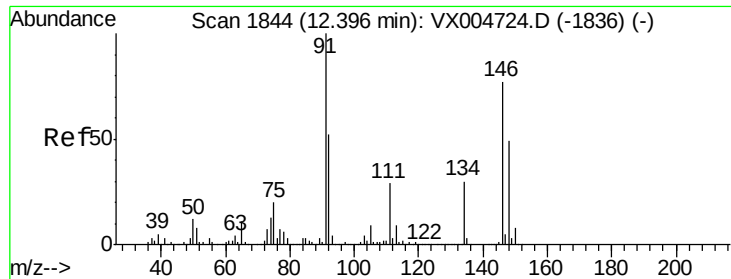


Abundance Ion 116.80 (116.50 to 117.50): VX004724.D (-1866) (-)

Ion 200.70 (200.40 to 201.40): VX004724.D (-1866) (-)

Time-->

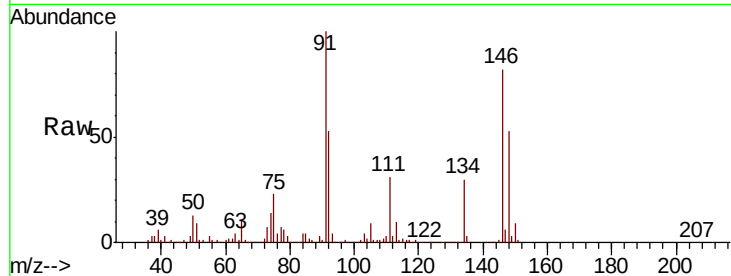




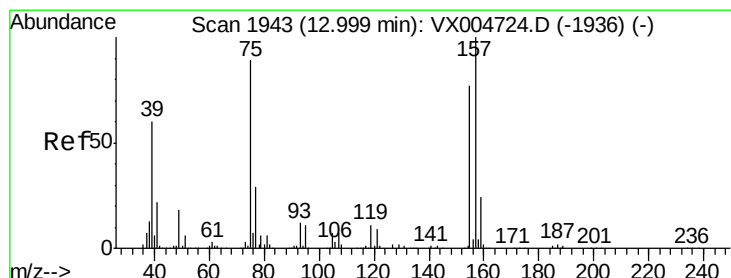
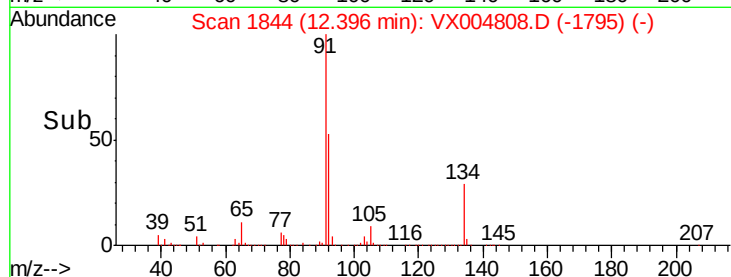
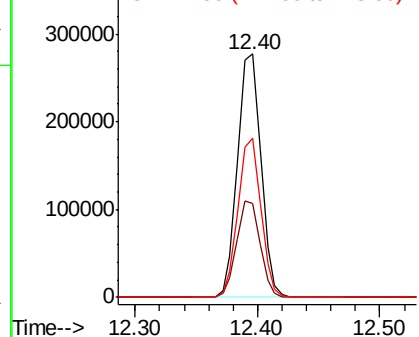
#91
 1,2-Dichlorobenzene
 Concen: 49.986 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: VX004808.D
 Acq: 28 Sep 2018 07:17

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-MW-7-10.0-091918MS

Tot Ion:146 Resp: 366194
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.4 58.1
 148 63.7 32.8 98.3

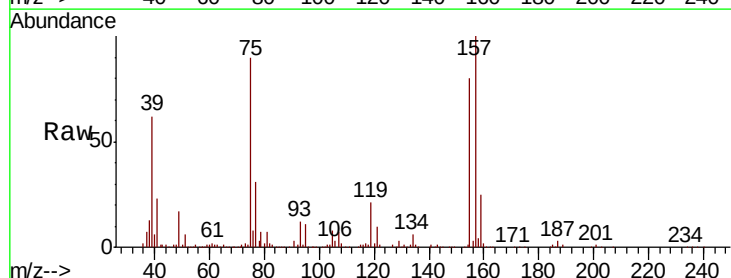


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

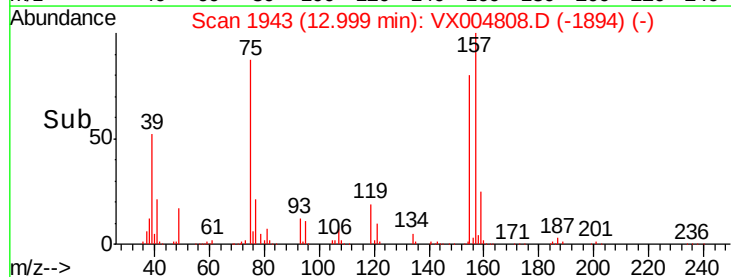
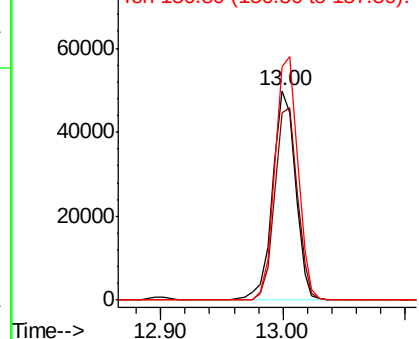


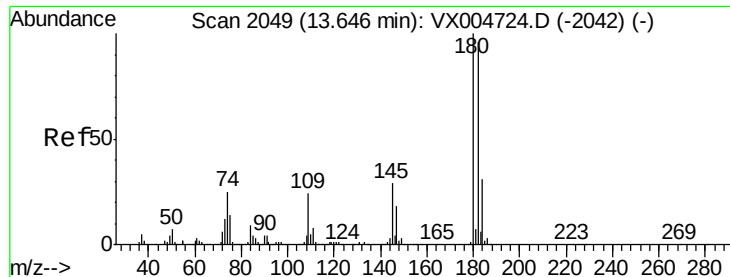
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.370 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX004808.D
 Acq: 28 Sep 2018 07:17

Tgt Ion: 75 Resp: 65120
 Ion Ratio Lower Upper
 75 100
 155 90.2 48.0 144.2
 157 115.0 61.4 184.1



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

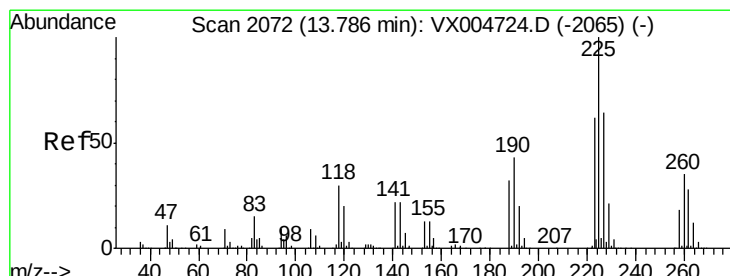
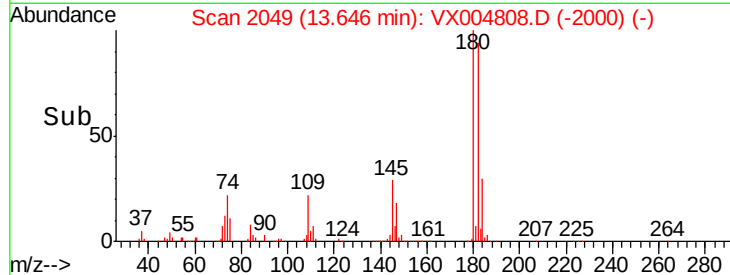
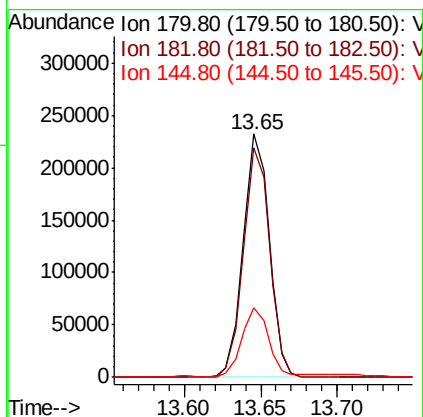
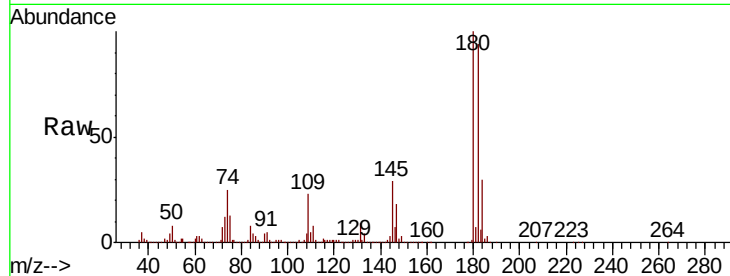




#93
 1,2,4-Trichlorobenzene
 Concen: 53.604 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004808.D
 Acq: 28 Sep 2018 07:17

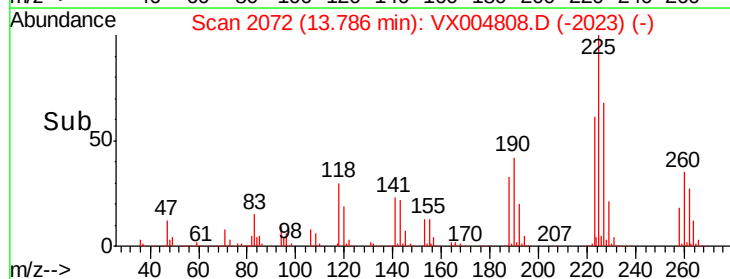
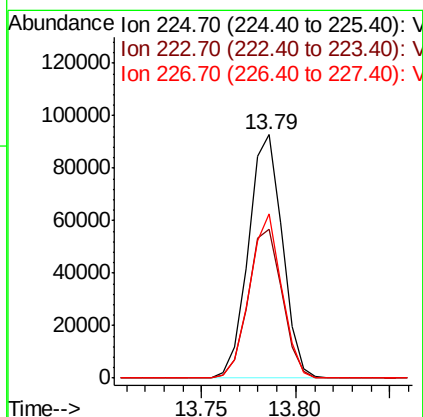
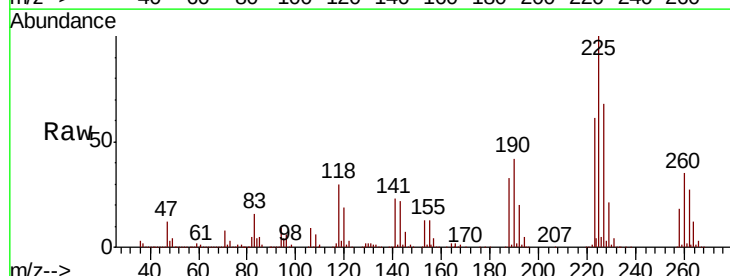
Instrument :
 MSVOA_X
 ClientSampleId :
 T3-MW-7-10.0-091918MS

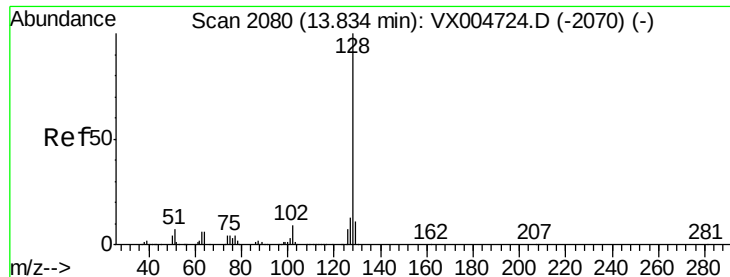
Tot Ion:180 Resp: 275471
 Ion Ratio Lower Upper
 180 100
 182 95.1 48.4 145.0
 145 29.2 14.3 42.9



#94
 Hexachlorobutadiene
 Concen: 43.301 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004808.D
 Acq: 28 Sep 2018 07:17

Tgt Ion:225 Resp: 115390
 Ion Ratio Lower Upper
 225 100
 223 61.6 30.1 90.5
 227 64.1 30.8 92.4

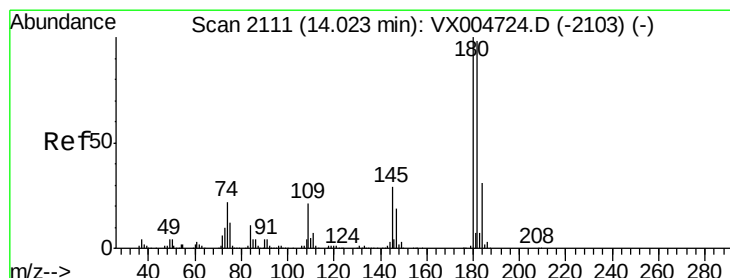
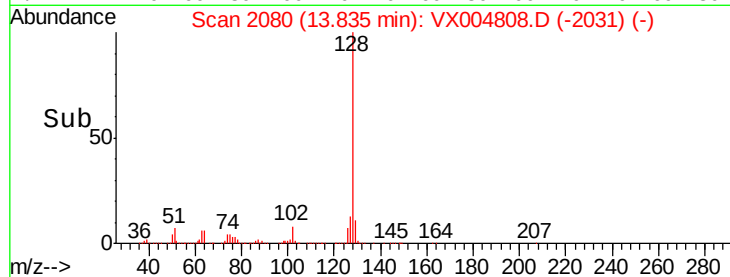
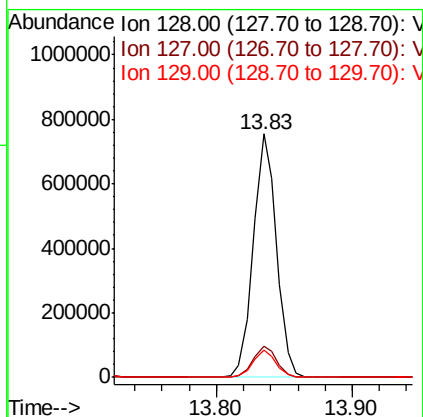
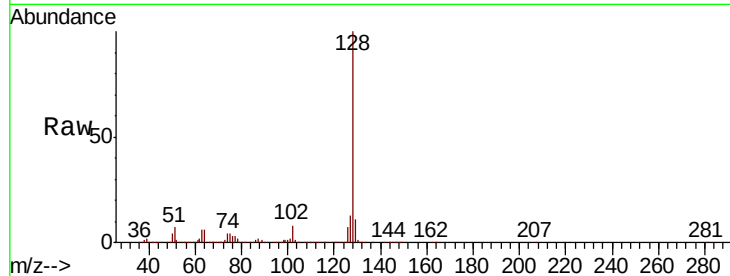




#95
Naphthalene
Concen: 53.026 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004808.D
Acq: 28 Sep 2018 07:17

Instrument :
MSVOA_X
ClientSampleId :
T3-MW-7-10.0-091918MS

Tot Ion:128 Resp: 905194
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 11.0 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 52.943 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VX004808.D
Acq: 28 Sep 2018 07:17

Tgt Ion:180 Resp: 281055
Ion Ratio Lower Upper
180 100
182 95.5 48.5 145.6
145 31.1 14.9 44.9

