

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092618\
 Data File : VX004759.D
 Acq On : 27 Sep 2018 07:45
 Operator : JC/MD
 Sample : J5029-08MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-4-9.0-092018MS

Quant Time: Sep 27 08:59:39 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	5.67	168	264713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	407165	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	387383	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	230935	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	204516	54.08	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.16%	
35) Dibromofluoromethane	5.50	113	172892	50.10	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.20%	
50) Toluene-d8	8.72	98	621199	54.15	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.30%	
62) 4-Bromofluorobenzene	11.14	95	230932	55.88	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	111.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	165463	45.844	ug/l	98
3) Chloromethane	1.32	50	218705	49.945	ug/l	99
4) Vinyl Chloride	1.40	62	218423	53.183	ug/l	99
5) Bromomethane	1.64	94	78945	32.415	ug/l	92
6) Chloroethane	1.72	64	132360	59.582	ug/l	95
7) Trichlorofluoromethane	1.93	101	266573	52.429	ug/l	95
8) Diethyl Ether	2.19	74	122647	55.526	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	124665	43.044	ug/l	94
10) Methyl Iodide	2.51	142	80213	20.697	ug/l	99
11) Tert butyl alcohol	3.07	59	259063	245.018	ug/l	100
12) 1,1-Dichloroethene	2.37	96	155670	54.273	ug/l	92
13) Acrolein	2.29	56	173164	230.185	ug/l	96
14) Allyl chloride	2.73	41	327585	52.344	ug/l	95
15) Acrylonitrile	3.15	53	630641	270.944	ug/l	99
16) Acetone	2.45	43	572867	259.489	ug/l	93
17) Carbon Disulfide	2.57	76	454796	52.768	ug/l	99
18) Methyl Acetate	2.78	43	309463	55.327	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	681931	68.927	ug/l	99
20) Methylene Chloride	2.85	84	181719	56.726	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	169197	53.887	ug/l	97
22) Diisopropyl ether	3.87	45	626850	59.483	ug/l	97
23) Vinyl Acetate	3.82	43	2871126	297.636	ug/l	96
24) 1,1-Dichloroethane	3.70	63	318070	50.597	ug/l	98
25) 2-Butanone	4.70	43	887075	272.596	ug/l	90
26) 2,2-Dichloropropane	4.58	77	140669	32.135	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	196512	56.025	ug/l	98
28) Bromochloromethane	5.01	49	163206	55.132	ug/l	89
29) Tetrahydrofuran	5.15	42	588974	291.199	ug/l	93
30) Chloroform	5.21	83	319750	53.819	ug/l	98
31) Cyclohexane	5.57	56	257026	53.421	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	265745	54.770	ug/l	99
36) 1,1-Dichloropropene	5.80	75	225282	47.849	ug/l	99
37) Ethyl Acetate	4.86	43	327683	52.433	ug/l	97
38) Carbon Tetrachloride	5.78	117	221400	44.735	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	216345	45.001	ug/l	97
40) Benzene	6.14	78	715801	48.563	ug/l	98
41) Methacrylonitrile	5.07	41	180996	52.222	ug/l	95
42) 1,2-Dichloroethane	6.20	62	253413	48.634	ug/l	97
43) Isopropyl Acetate	6.46	43	486508	53.935	ug/l	97
44) Trichloroethene	7.21	130	188464	52.012	ug/l	94
45) 1,2-Dichloropropane	7.52	63	189655	52.469	ug/l	99
46) Dibromomethane	7.66	93	121987	53.699	ug/l	98
47) Bromodichloromethane	7.90	83	226373	53.225	ug/l	99
48) Methyl methacrylate	7.77	41	241922	59.089	ug/l	94
49) 1,4-Dioxane	7.75	88	94345	927.534	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	1597616	281.289	ug/l	96
52) Toluene	8.79	92	434046	53.591	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	248280	51.658	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	263491	52.341	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	182385	51.409	ug/l	98
56) Ethyl methacrylate	9.18	69	299289	51.873	ug/l	96
57) 1,3-Dichloropropane	9.37	76	309222	52.370	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	2371	14.974	ug/l #	45
59) 2-Hexanone	9.50	43	1251249	264.371	ug/l	94
60) Dibromochloromethane	9.59	129	186685	52.617	ug/l	99
61) 1,2-Dibromoethane	9.68	107	190617	50.170	ug/l	100
64) Tetrachloroethene	9.34	164	166281	43.612	ug/l	98
65) Chlorobenzene	10.14	112	490633	49.391	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	174680	50.020	ug/l	99
67) Ethyl Benzene	10.26	91	826690	52.419	ug/l	97
68) m/p-Xylenes	10.36	106	638499	103.606	ug/l	96
69) o-Xylene	10.70	106	313886	55.452	ug/l	97
70) Styrene	10.71	104	529099	49.978	ug/l	98
71) Bromoform	10.86	173	150404	50.306	ug/l	99
73) Isopropylbenzene	11.02	105	856936	58.871	ug/l	100
74) N-amyl acetate	10.90	43	431458	53.790	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	296542	50.047	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	327919	63.353	ug/l	88
77) Bromobenzene	11.26	156	225572	53.353	ug/l	98
78) n-propylbenzene	11.36	91	955655	57.220	ug/l	99
79) 2-Chlorotoluene	11.42	91	567867	54.548	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	694407	52.058	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	75655	40.267	ug/l	97
82) 4-Chlorotoluene	11.51	91	661325	53.971	ug/l	100
83) tert-Butylbenzene	11.77	119	698192	58.258	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	720274	52.361	ug/l	98
85) sec-Butylbenzene	11.94	105	854300	58.523	ug/l	100
86) p-Isopropyltoluene	12.07	119	723966	54.740	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	404502	51.237	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	410165	50.329	ug/l	99
89) n-Butylbenzene	12.39	91	660031	54.951	ug/l	97
90) Hexachloroethane	12.60	117	112703	51.182	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	411239	49.845	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	71531	54.981	ug/l	96

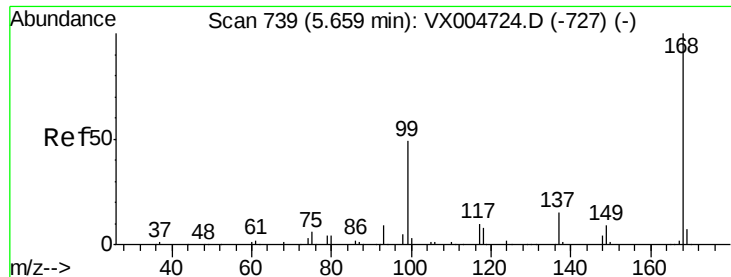
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	309966	53.558	ug/l	97
94) Hexachlorobutadiene	13.79	225	133538	44.496	ug/l	98
95) Naphthalene	13.83	128	1042889	54.229	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	317611	53.125	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004759.D

Acq: 27 Sep 2018 07:45

Instrument :

MSVOA_X

ClientSampleId :

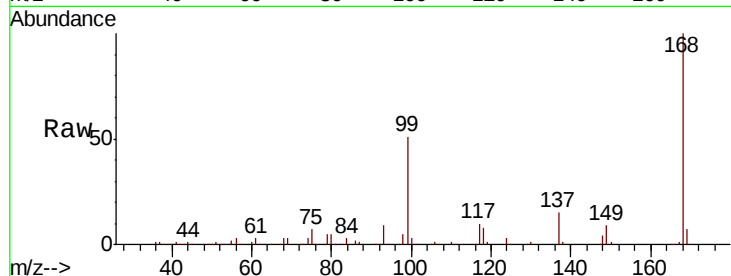
T11-MW-4-9.0-092018MS

Tot Ion:168 Resp: 264713

Ion Ratio Lower Upper

168 100

99 50.6 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

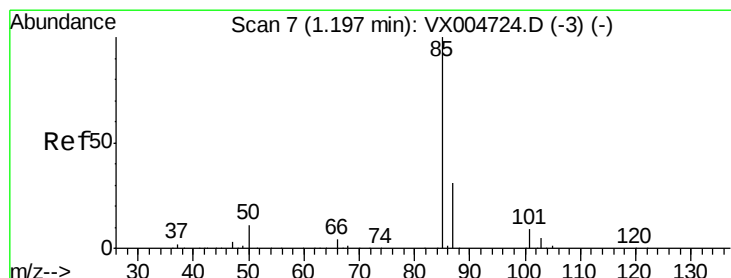
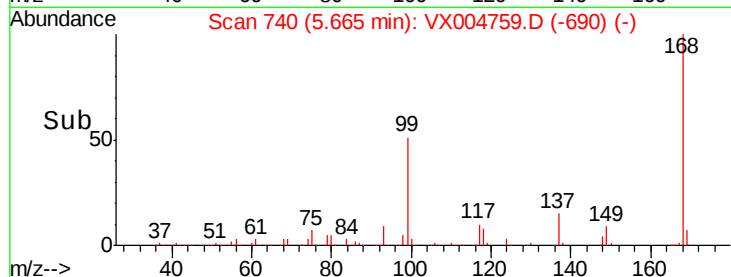
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.844 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX004759.D

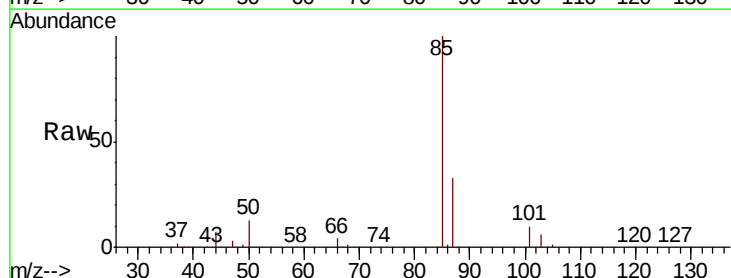
Acq: 27 Sep 2018 07:45

Tgt Ion: 85 Resp: 165463

Ion Ratio Lower Upper

85 100

87 32.6 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

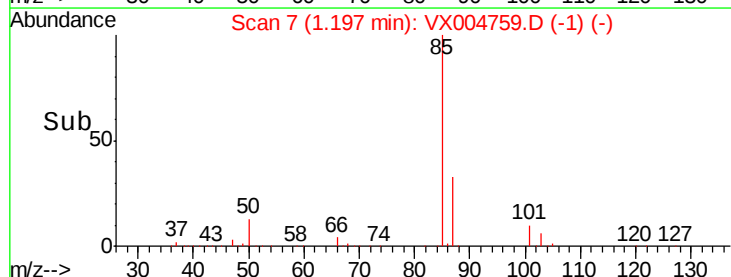
150000

100000

50000

0

Time-->





#3

Chloromethane

Concen: 49.945 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX004759.D

Acq: 27 Sep 2018 07:45

Instrument :

MSVOA_X

ClientSampleId :

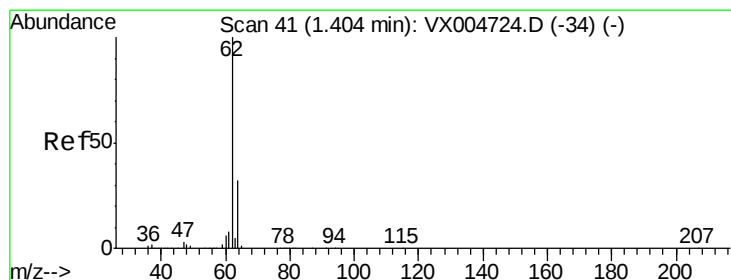
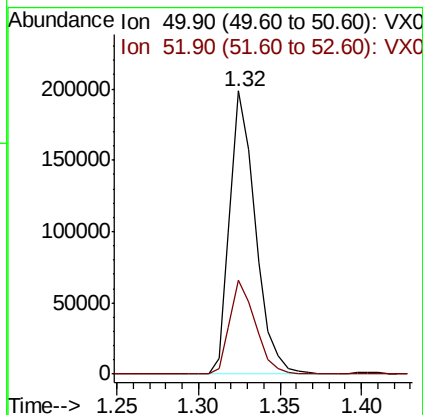
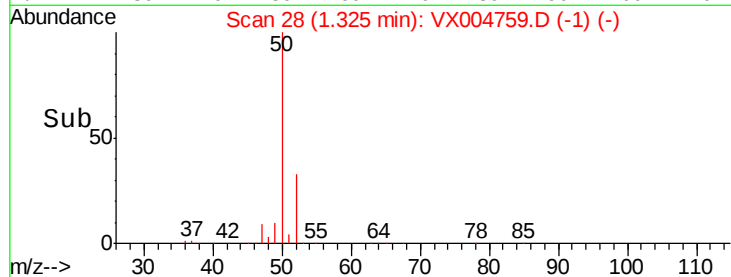
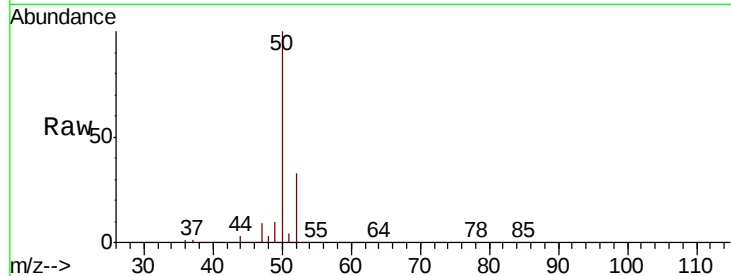
T11-MW-4-9.0-092018MS

Tot Ion: 50 Resp: 218705

Ion Ratio Lower Upper

50 100

52 33.3 26.2 39.2



#4

Vinyl Chloride

Concen: 53.183 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004759.D

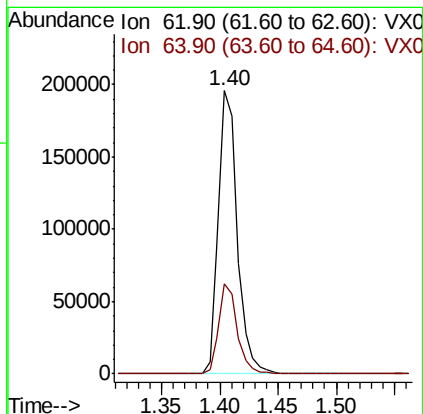
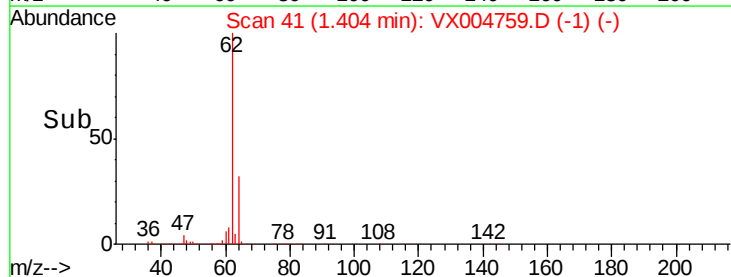
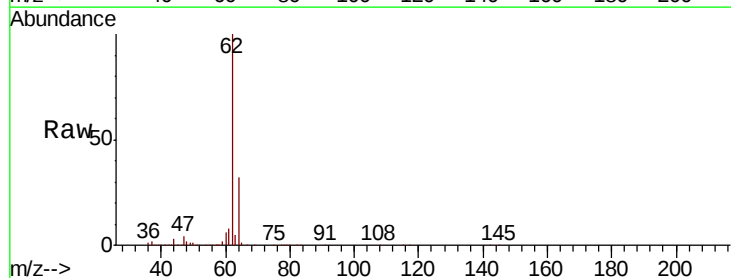
Acq: 27 Sep 2018 07:45

Tgt Ion: 62 Resp: 218423

Ion Ratio Lower Upper

62 100

64 31.6 25.8 38.8





#5

Bromomethane

Concen: 32.415 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004759.D

Acq: 27 Sep 2018 07:45

Instrument :

MSVOA_X

ClientSampleId :

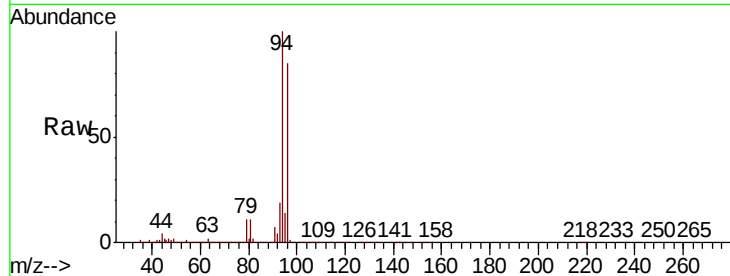
T11-MW-4-9.0-092018MS

Tot Ion: 94 Resp: 78945

Ion Ratio Lower Upper

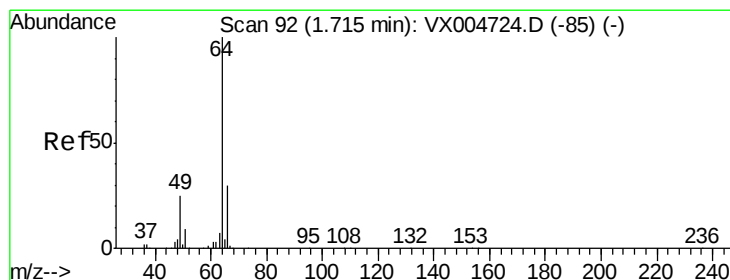
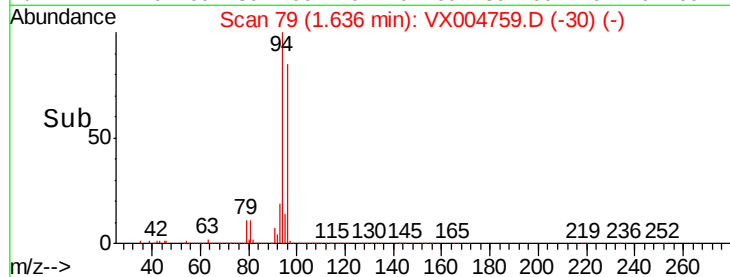
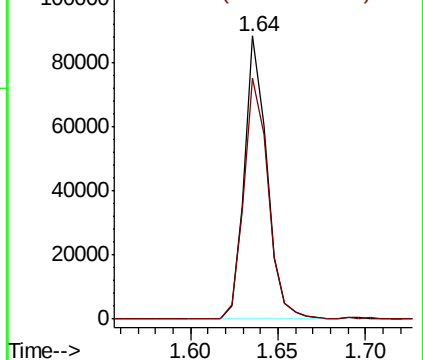
94 100

96 85.2 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 59.582 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004759.D

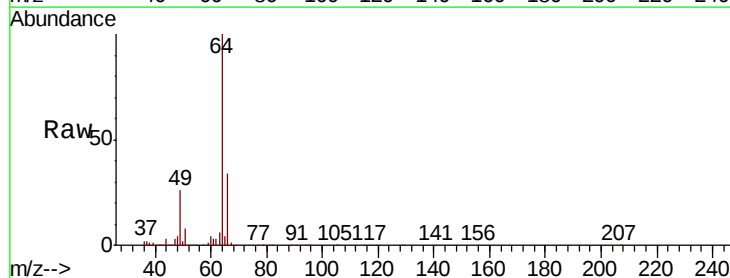
Acq: 27 Sep 2018 07:45

Tgt Ion: 64 Resp: 132360

Ion Ratio Lower Upper

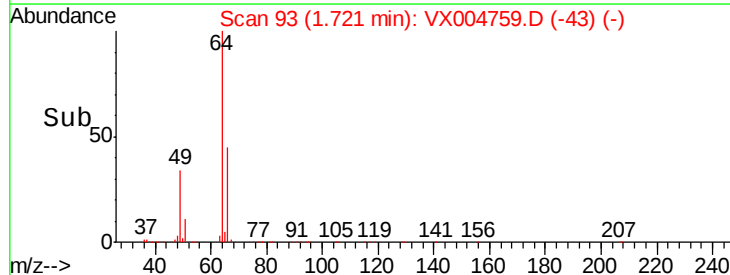
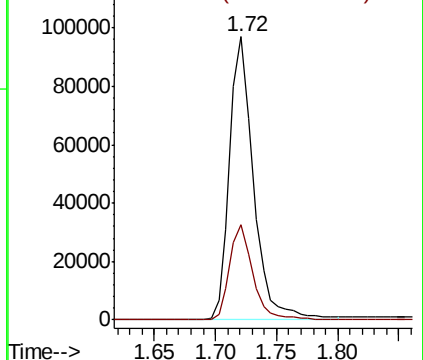
64 100

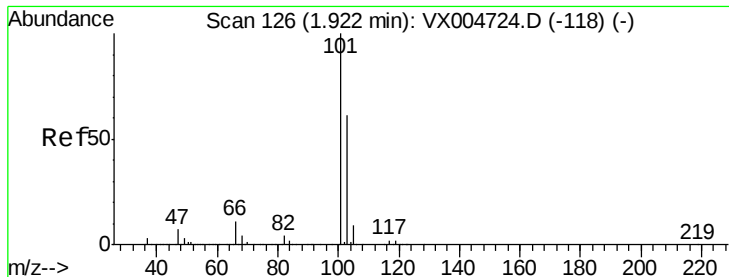
66 33.5 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



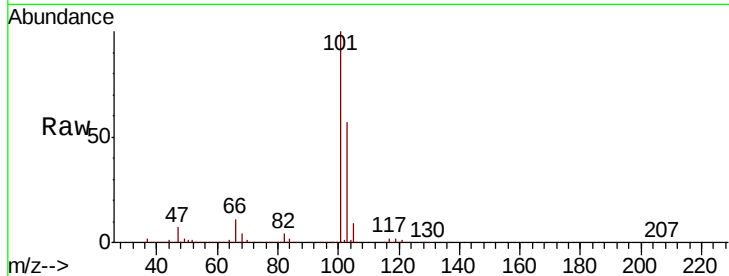


#7

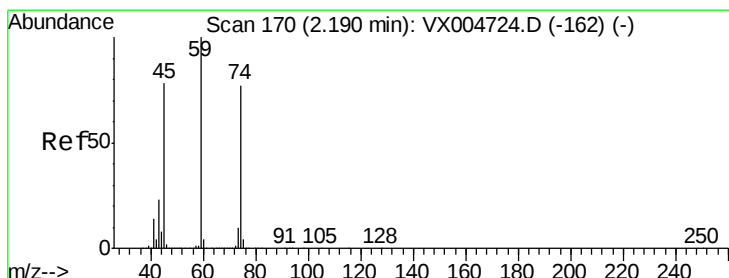
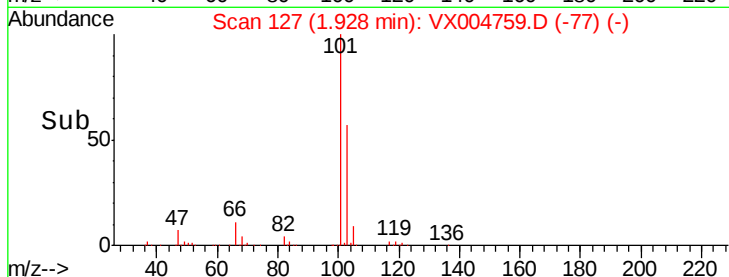
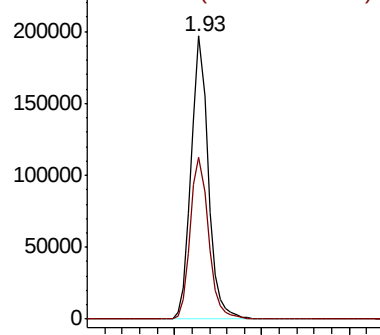
Trichlorofluoromethane
Concen: 52.429 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX004759.D
Acq: 27 Sep 2018 07:45

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-4-9.0-092018MS

Tot Ion:101 Resp: 266573
Ion Ratio Lower Upper
101 100
103 57.0 48.9 73.3



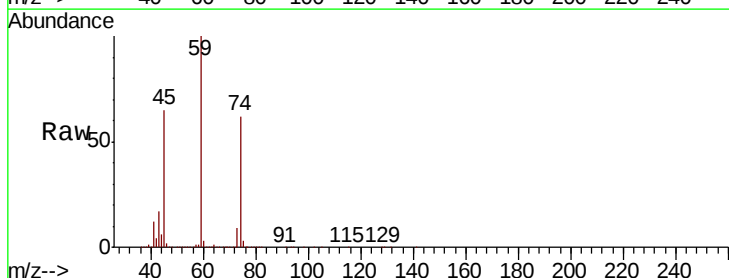
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



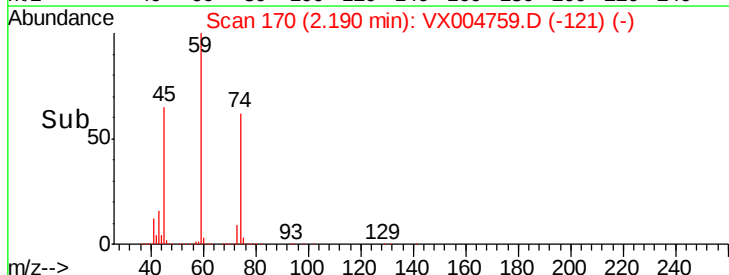
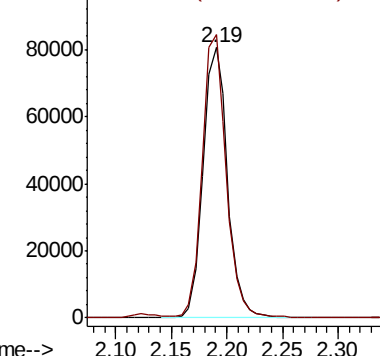
#8

Diethyl Ether
Concen: 55.526 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX004759.D
Acq: 27 Sep 2018 07:45

Tgt Ion: 74 Resp: 122647
Ion Ratio Lower Upper
74 100
45 101.7 48.3 144.8



Abundance Ion 74.00 (73.70 to 74.70): VX0
Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.044 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX004759.D

Acq: 27 Sep 2018 07:45

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-4-9.0-092018MS

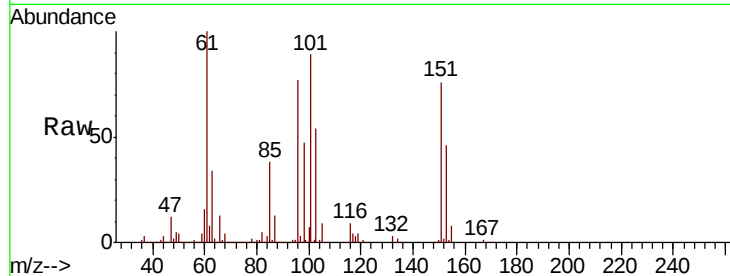
Tot Ion:101 Resp: 124665

Ion Ratio Lower Upper

101 100

85 45.8 34.2 51.4

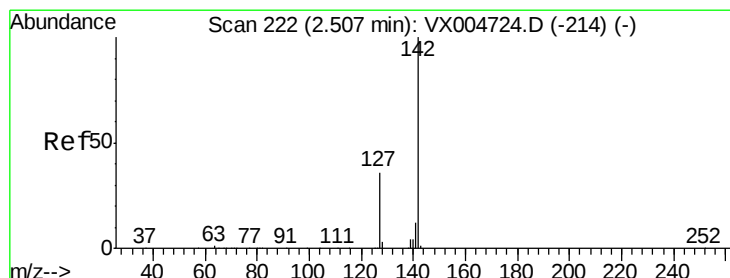
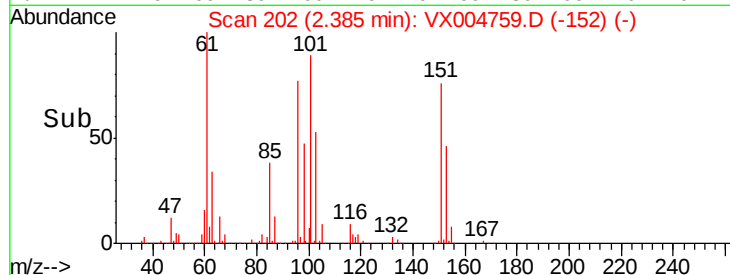
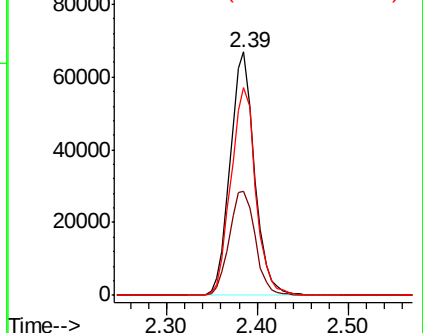
151 87.0 65.0 97.6



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: 20.697 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX004759.D

Acq: 27 Sep 2018 07:45

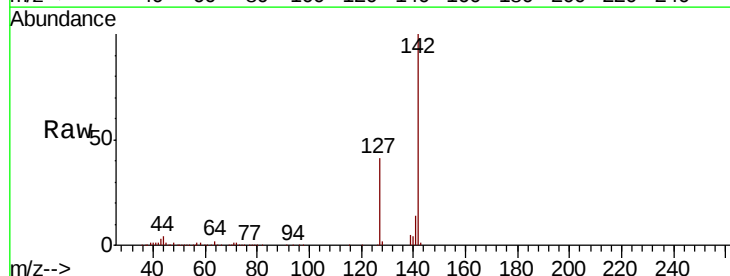
Tgt Ion:142 Resp: 80213

Ion Ratio Lower Upper

142 100

127 41.7 33.8 50.6

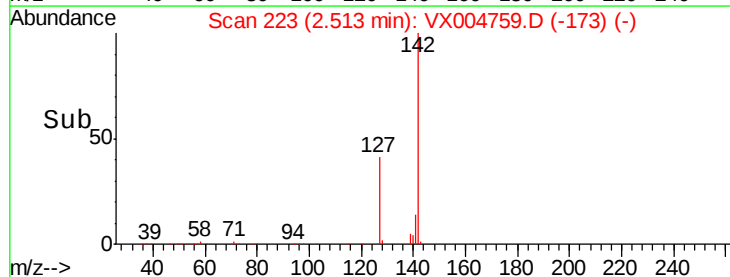
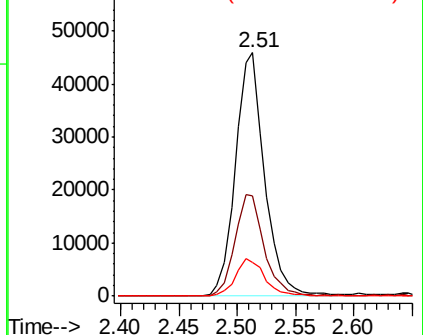
141 15.5 11.4 17.0

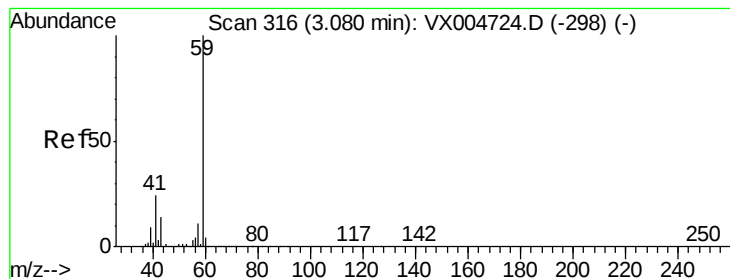


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



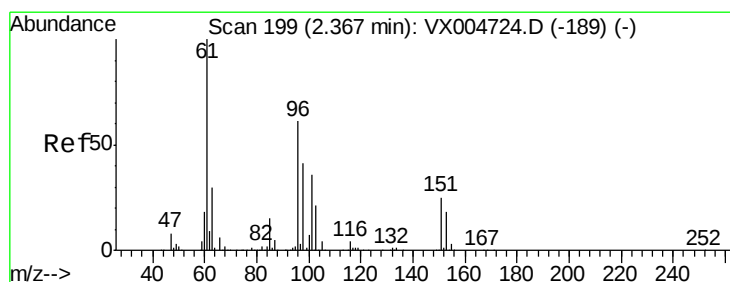
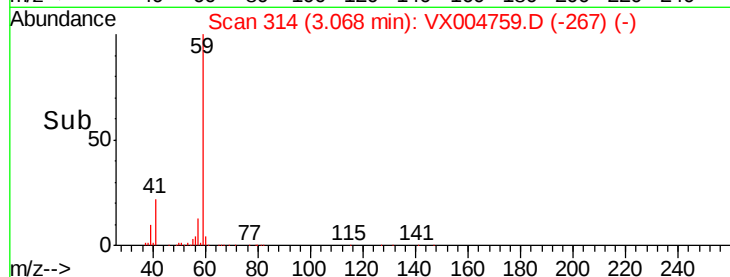
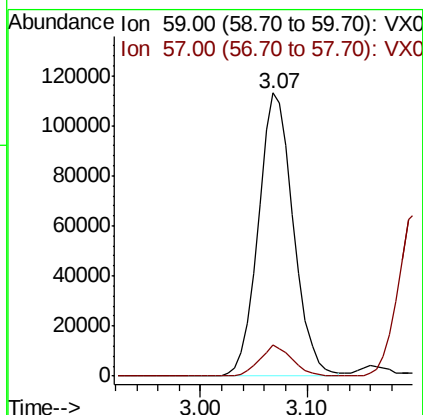
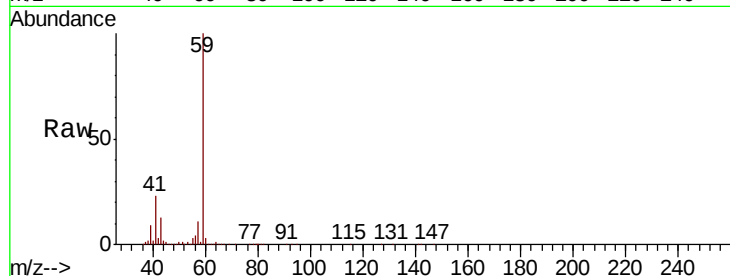


#11

Tert butyl alcohol
 Concen: 245.018 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX004759.D
 Acq: 27 Sep 2018 07:45

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-4-9.0-092018MS

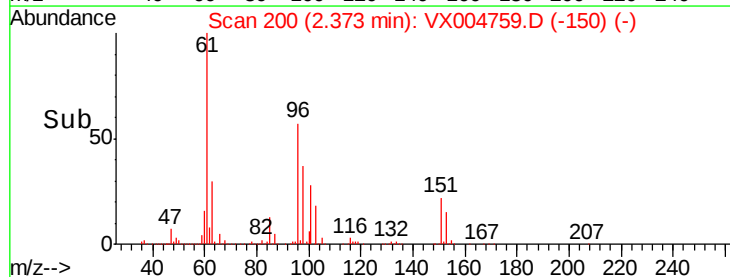
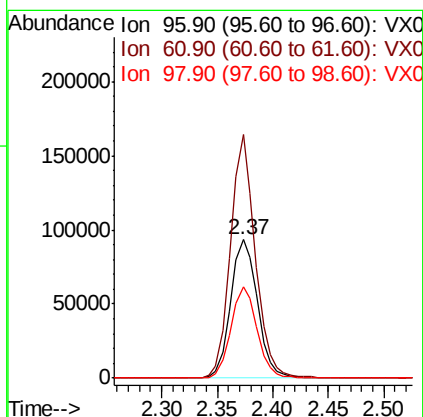
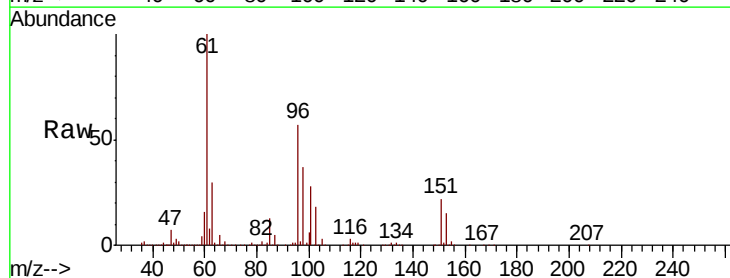
Tot Ion: 59 Resp: 259063
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.2 12.4

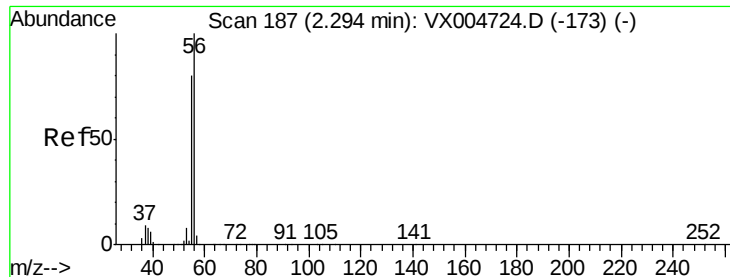


#12

1,1-Dichloroethene
 Concen: 54.273 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.01 min
 Lab File: VX004759.D
 Acq: 27 Sep 2018 07:45

Tgt Ion: 96 Resp: 155670
 Ion Ratio Lower Upper
 96 100
 61 176.4 128.8 193.2
 98 65.7 52.2 78.2





#13

Acrolein

Concen: 230.185 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004759.D

Acq: 27 Sep 2018 07:45

Instrument :

MSVOA_X

ClientSampleId :

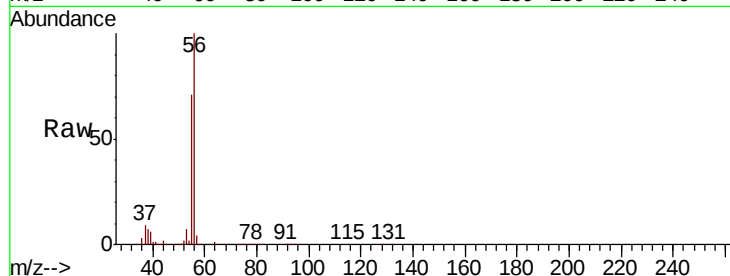
T11-MW-4-9.0-092018MS

Tot Ion: 56 Resp: 173164

Ion Ratio Lower Upper

56 100

55 71.9 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

120000

100000

80000

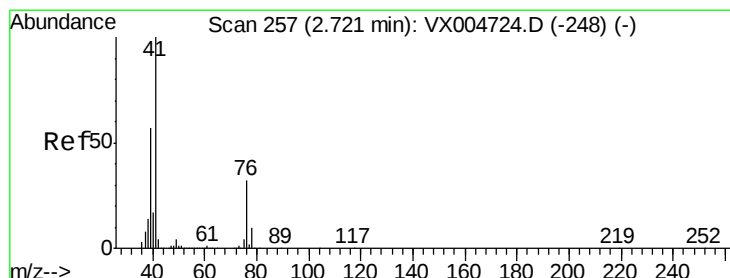
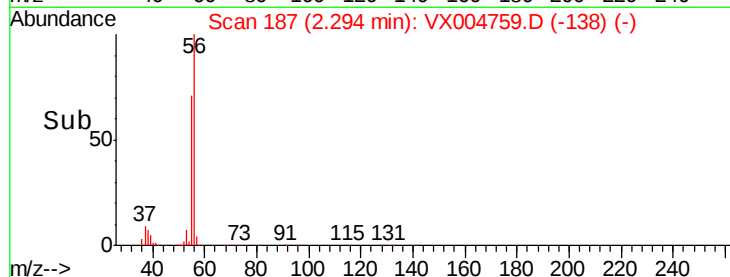
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 52.344 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX004759.D

Acq: 27 Sep 2018 07:45

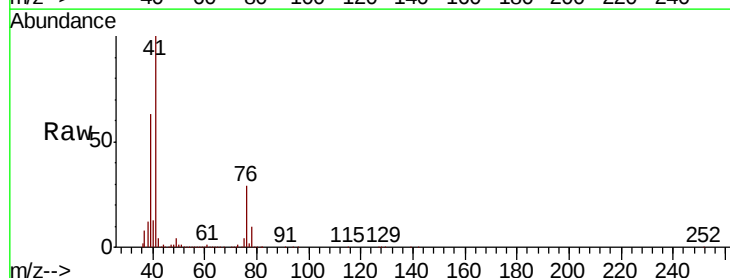
Tgt Ion: 41 Resp: 327585

Ion Ratio Lower Upper

41 100

39 58.3 48.9 73.3

76 28.9 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

250000

200000

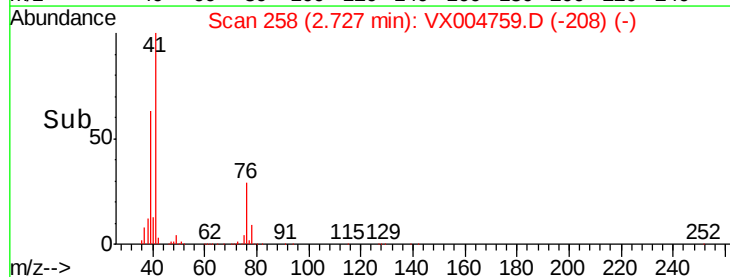
150000

100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 270.944 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX004759.D

Acq: 27 Sep 2018 07:45

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-4-9.0-092018MS

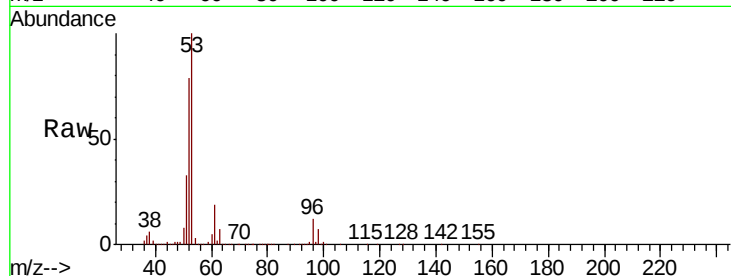
Tot Ion: 53 Resp: 630641

Ion Ratio Lower Upper

53 100

52 81.8 65.2 97.8

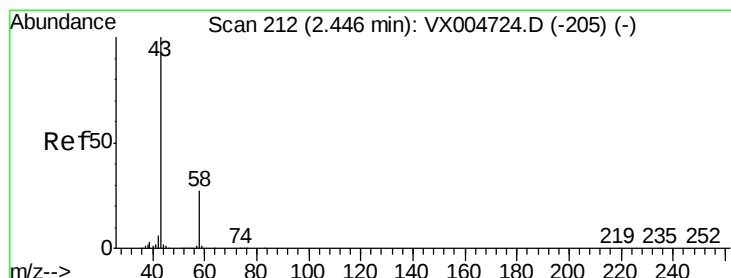
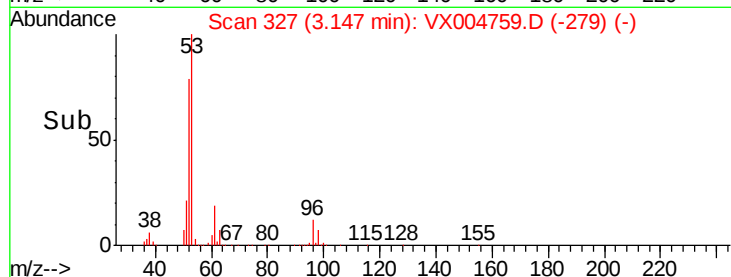
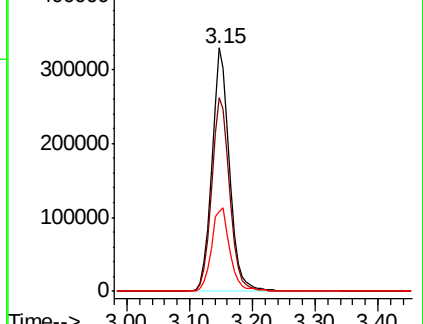
51 36.2 28.2 42.2



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: 259.489 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004759.D

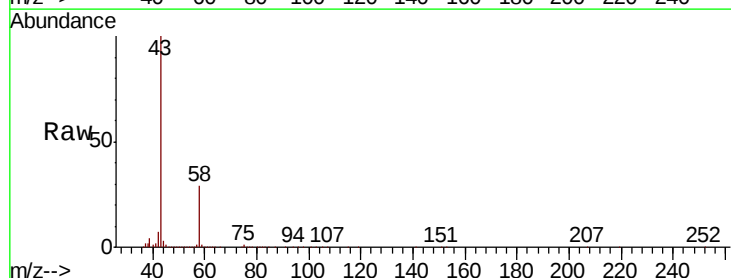
Acq: 27 Sep 2018 07:45

Tgt Ion: 43 Resp: 572867

Ion Ratio Lower Upper

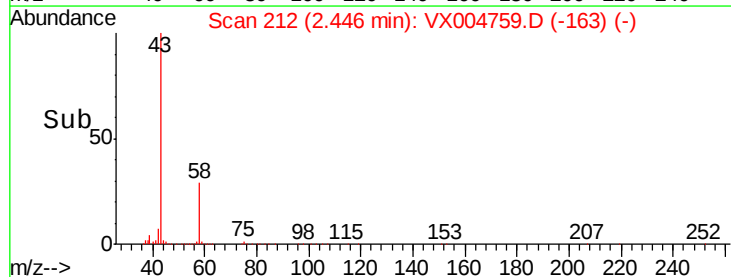
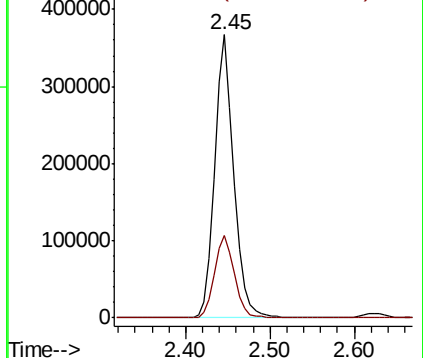
43 100

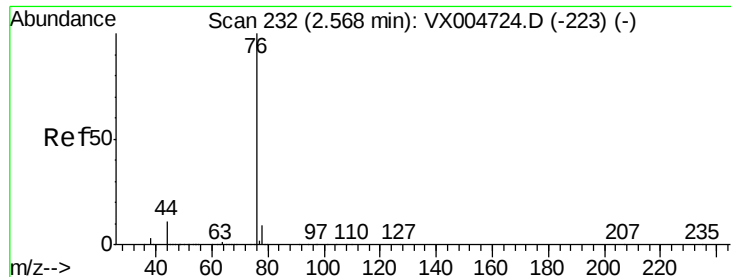
58 29.1 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

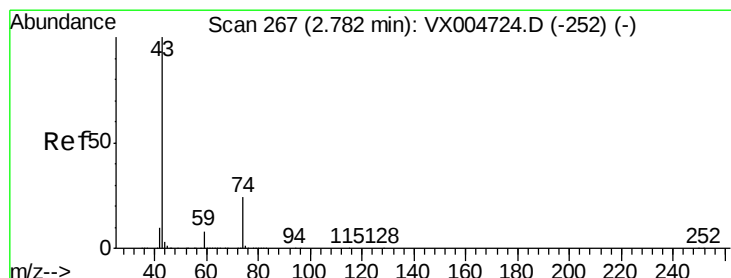
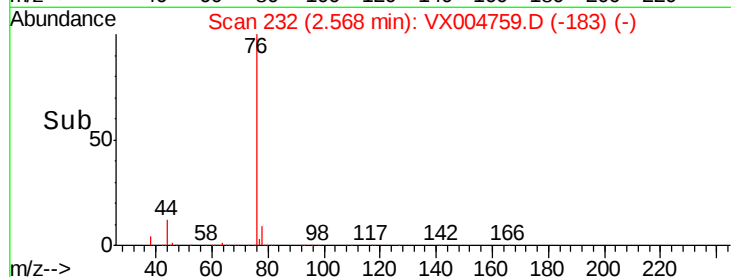
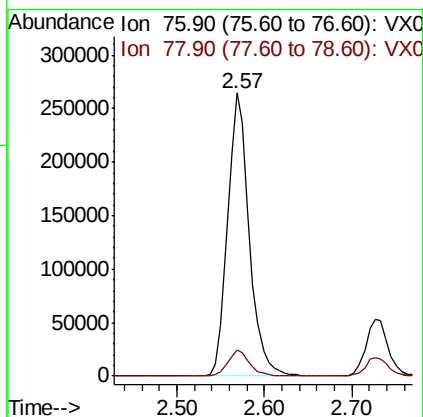
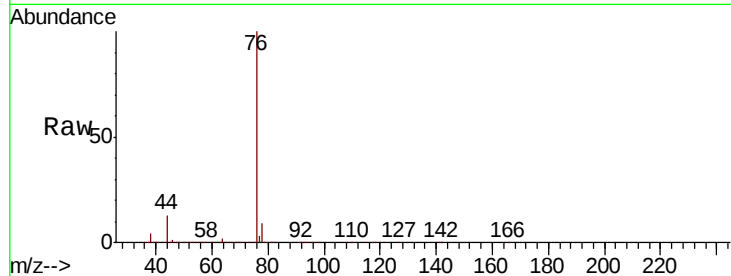




#17
Carbon Disulfide
Concen: 52.768 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX004759.D
Acq: 27 Sep 2018 07:45

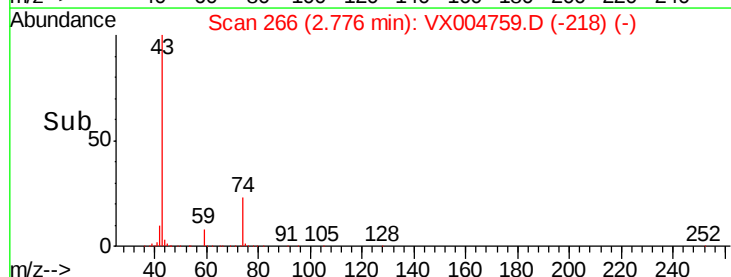
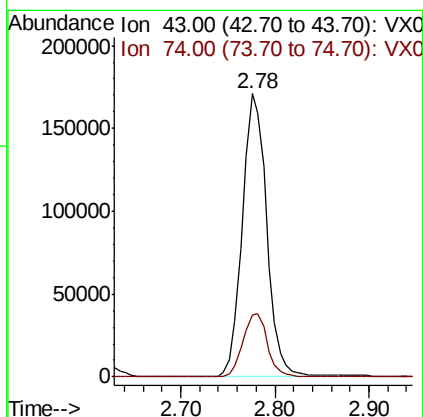
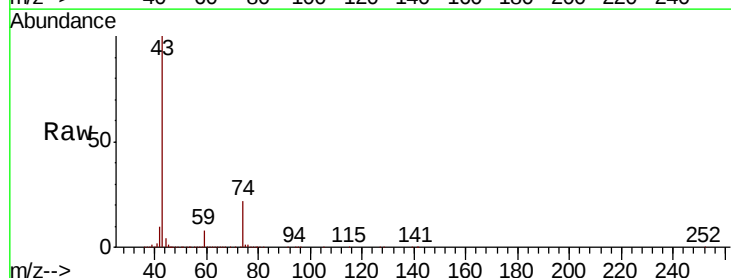
Instrument :
MSVOA_X
ClientSampleId :
T11-MW-4-9.0-092018MS

Tot Ion: 76 Resp: 454796
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.6



#18
Methyl Acetate
Concen: 55.327 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX004759.D
Acq: 27 Sep 2018 07:45

Tgt Ion: 43 Resp: 309463
Ion Ratio Lower Upper
43 100
74 22.8 19.4 29.2



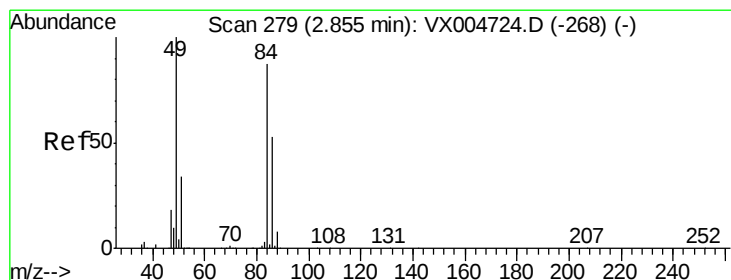
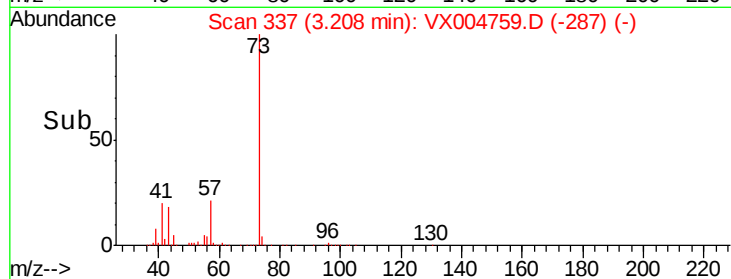
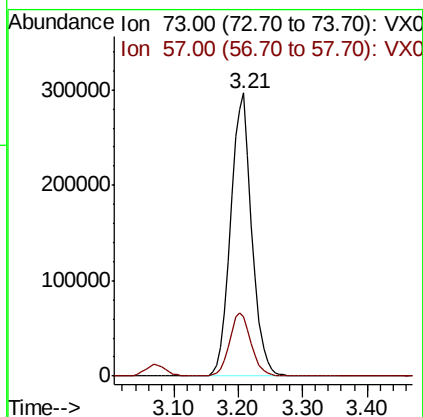
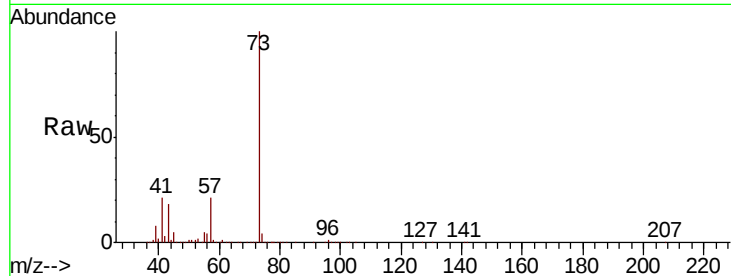


#19

Methyl tert-butyl Ether
 Concen: 68.927 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX004759.D
 Acq: 27 Sep 2018 07:45

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-4-9.0-092018MS

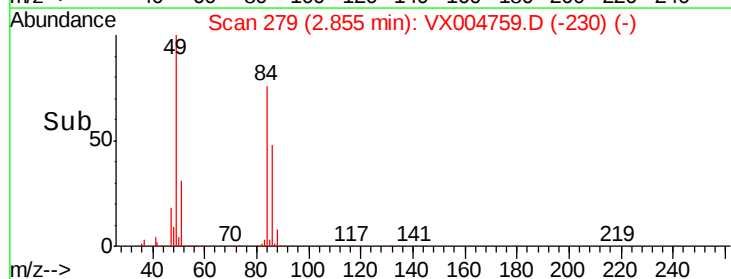
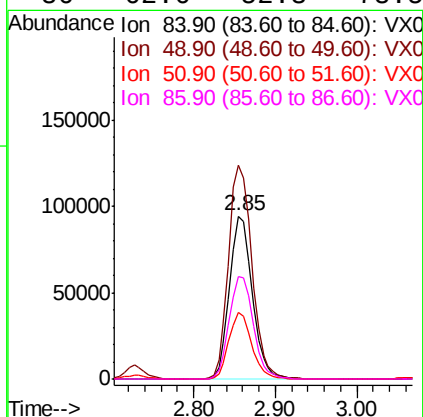
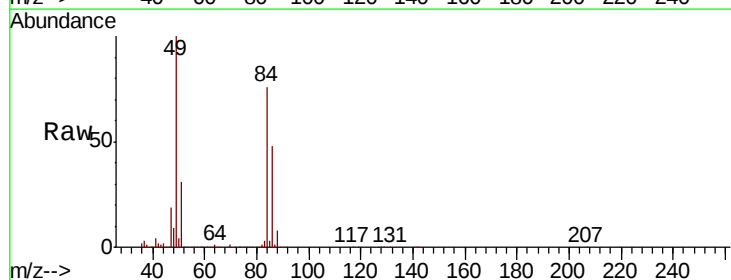
Tot Ion: 73 Resp: 681931
 Ion Ratio Lower Upper
 73 100
 57 21.1 17.1 25.7

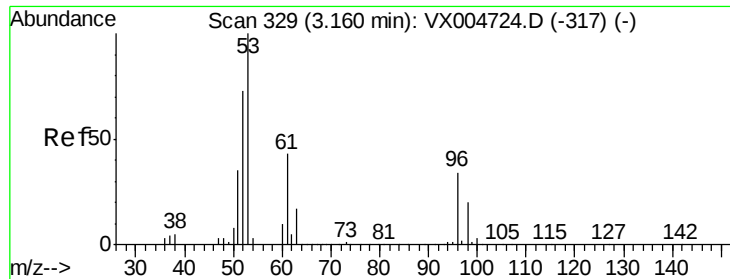


#20

Methylene Chloride
 Concen: 56.726 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX004759.D
 Acq: 27 Sep 2018 07:45

Tgt Ion: 84 Resp: 181719
 Ion Ratio Lower Upper
 84 100
 49 130.8 101.2 151.8
 51 41.0 29.5 44.3
 86 62.6 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 53.887 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX004759.D

Acq: 27 Sep 2018 07:45

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-4-9.0-092018MS

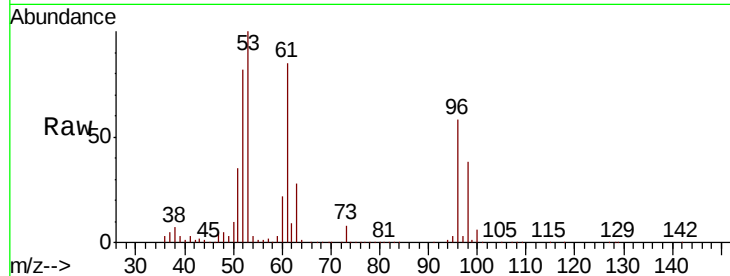
Tot Ion: 96 Resp: 169197

Ion Ratio Lower Upper

96 100

61 147.5 113.8 170.6

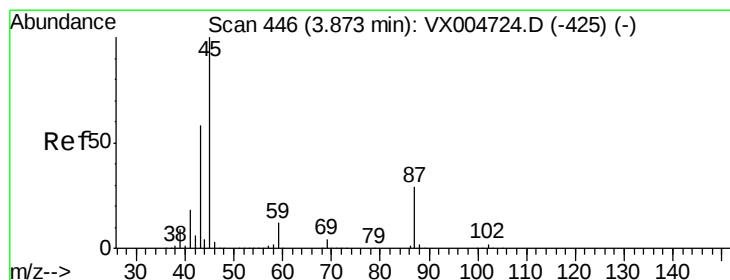
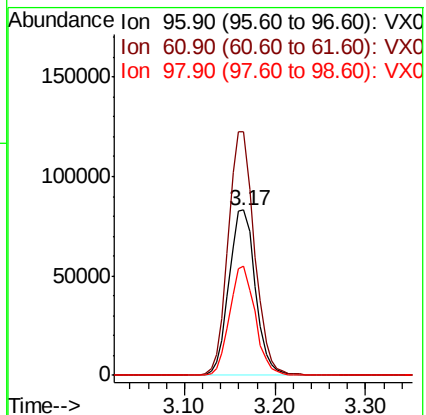
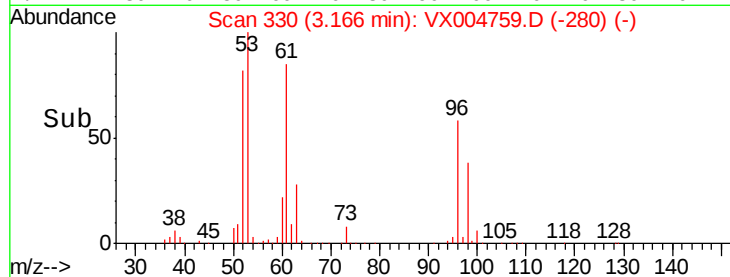
98 65.9 51.8 77.8



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: 59.483 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX004759.D

Acq: 27 Sep 2018 07:45

Tgt Ion: 45 Resp: 626850

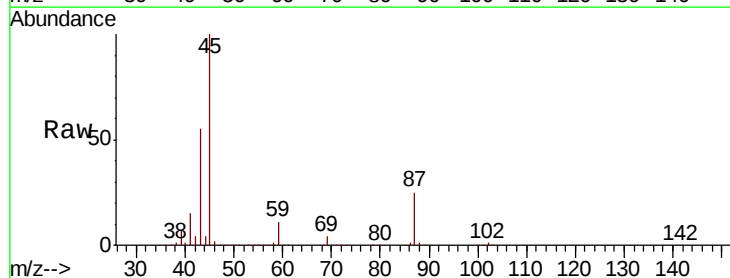
Ion Ratio Lower Upper

45 100

43 54.0 42.8 64.2

87 24.7 22.6 34.0

59 10.6 9.6 14.4

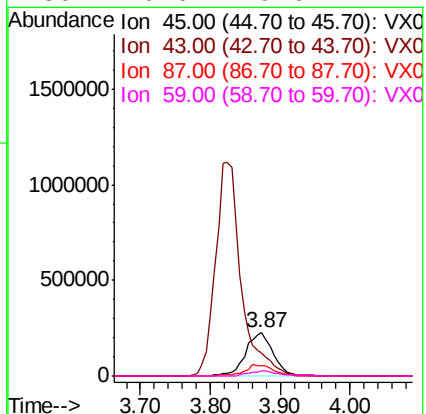
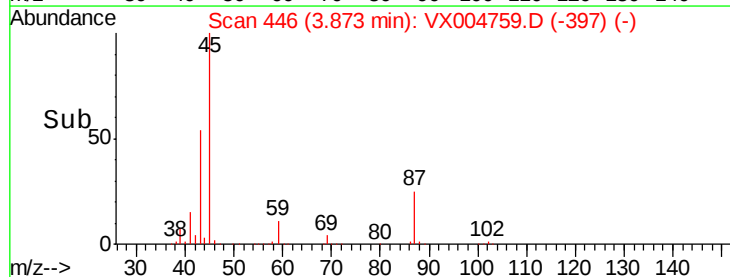


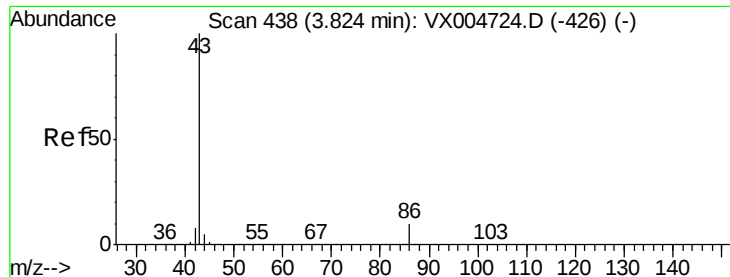
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 297.636 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX004759.D

Acq: 27 Sep 2018 07:45

Instrument :

MSVOA_X

ClientSampleId :

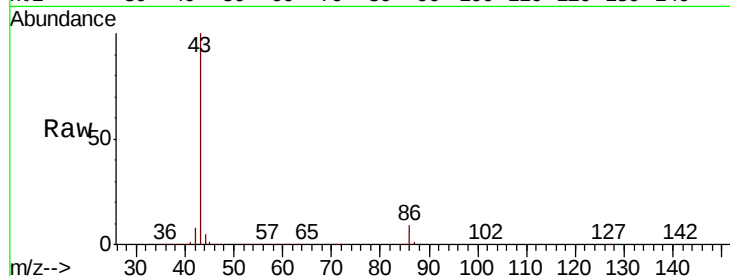
T11-MW-4-9.0-092018MS

Tot Ion: 43 Resp: 2871126

Ion Ratio Lower Upper

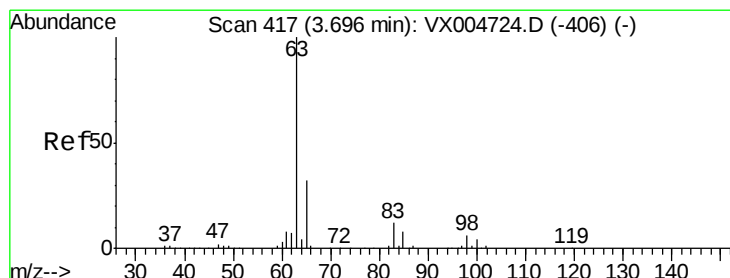
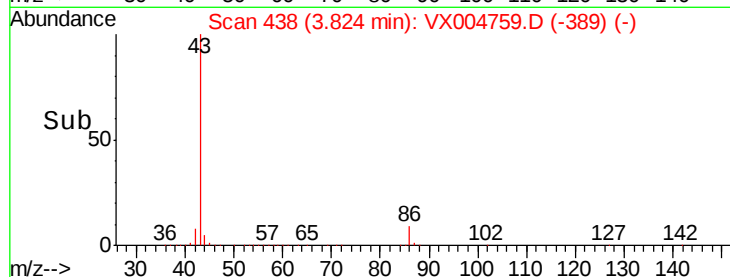
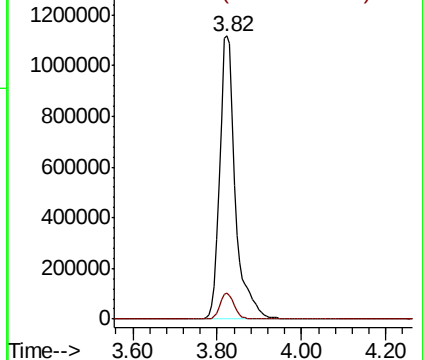
43 100

86 9.4 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: 50.597 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX004759.D

Acq: 27 Sep 2018 07:45

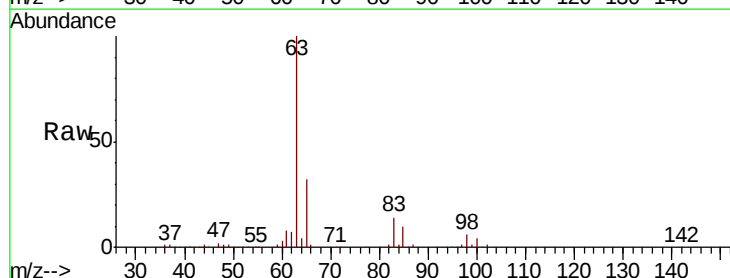
Tgt Ion: 63 Resp: 318070

Ion Ratio Lower Upper

63 100

98 5.9 3.5 10.4

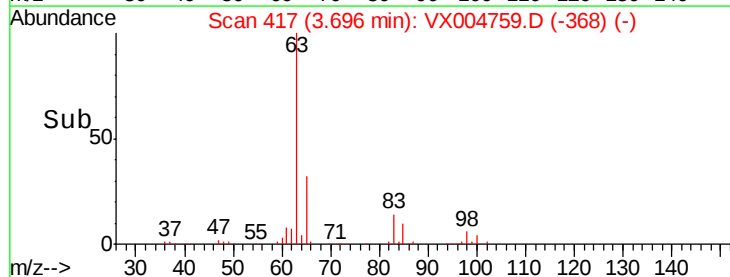
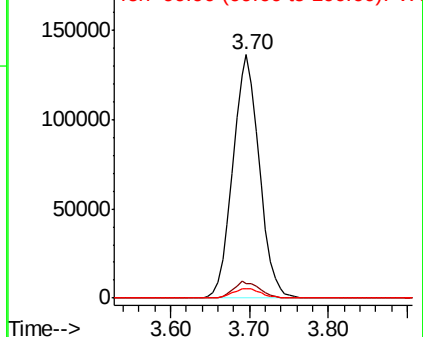
100 4.1 2.4 7.1

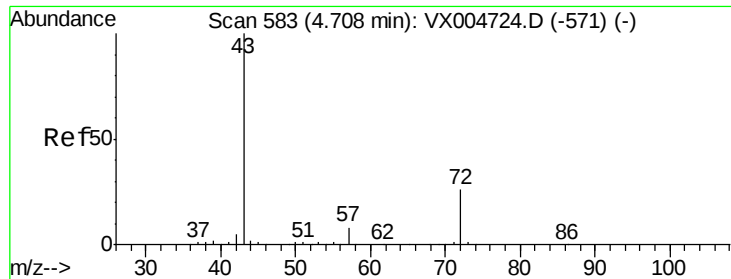


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 272.596 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX004759.D

Acq: 27 Sep 2018 07:45

Instrument :

MSVOA_X

ClientSampleId :

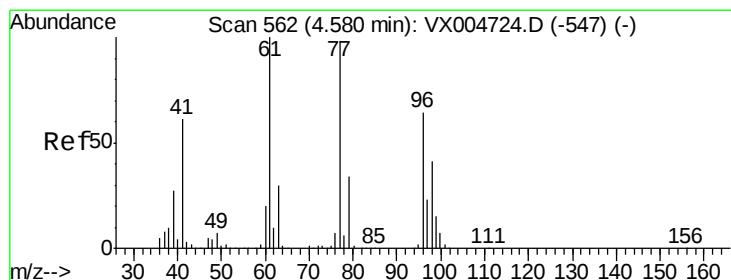
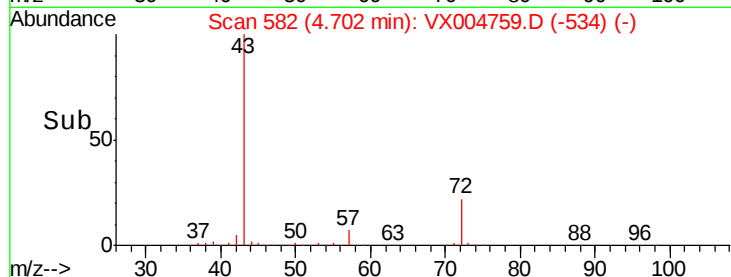
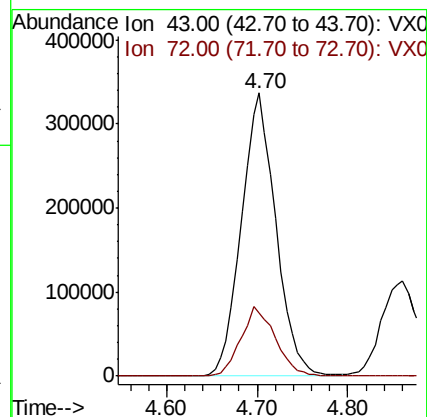
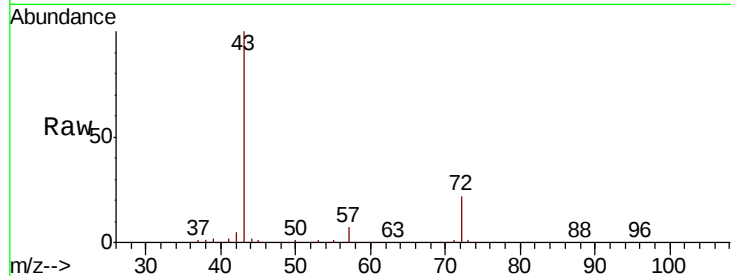
T11-MW-4-9.0-092018MS

Tot Ion: 43 Resp: 887075

Ion Ratio Lower Upper

43 100

72 22.3 22.0 33.0



#26

2,2-Dichloropropane

Concen: 32.135 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX004759.D

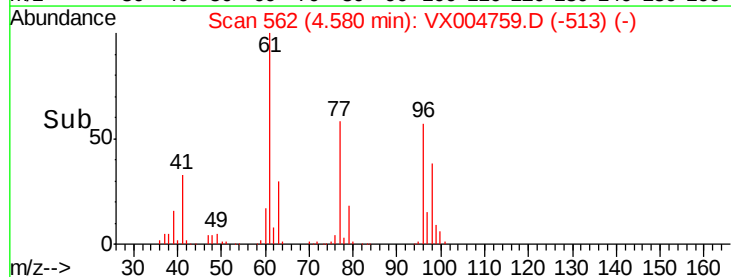
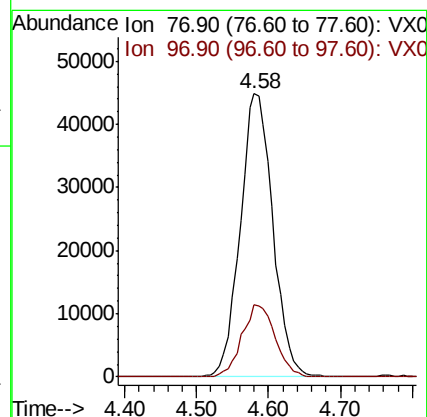
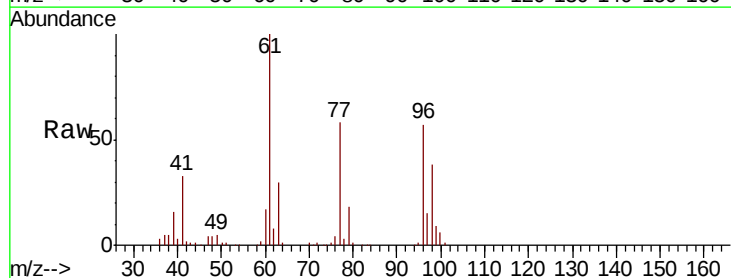
Acq: 27 Sep 2018 07:45

Tgt Ion: 77 Resp: 140669

Ion Ratio Lower Upper

77 100

97 25.9 11.7 35.0



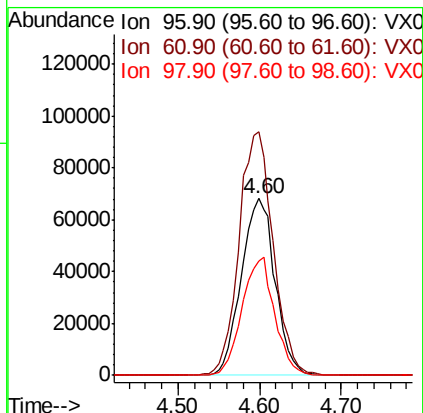
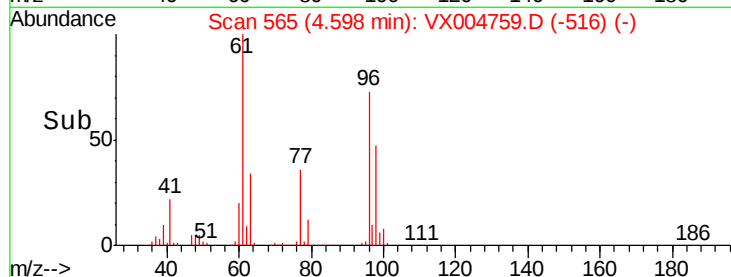
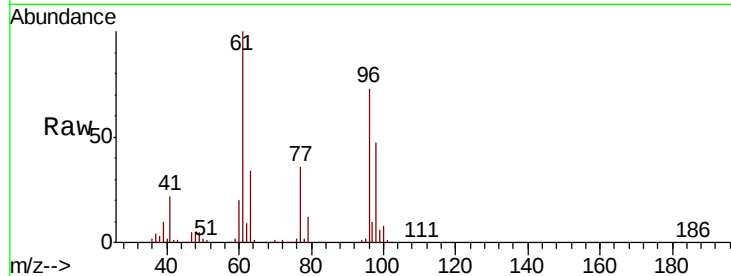


#27

cis-1,2-Dichloroethene
Concen: 56.025 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX004759.D
Acq: 27 Sep 2018 07:45

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-4-9.0-092018MS

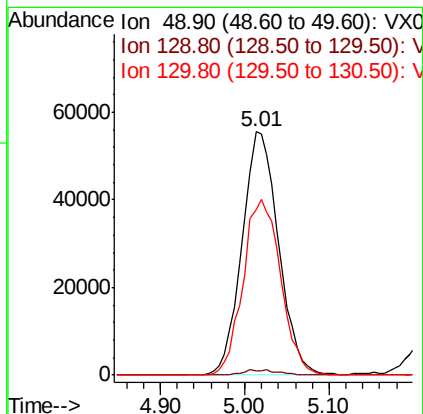
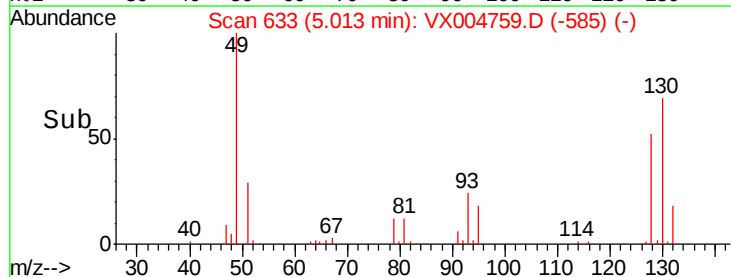
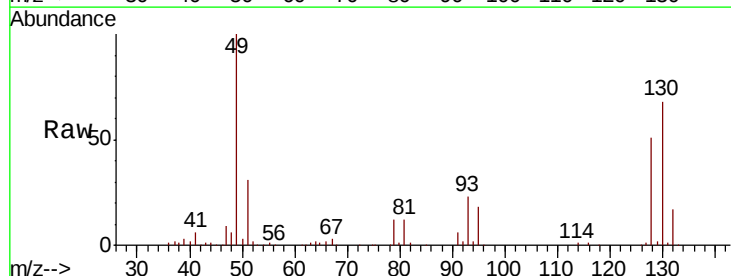
Tot Ion: 96 Resp: 196512
Ion Ratio Lower Upper
96 100
61 138.9 0.0 282.6
98 64.3 0.0 130.2

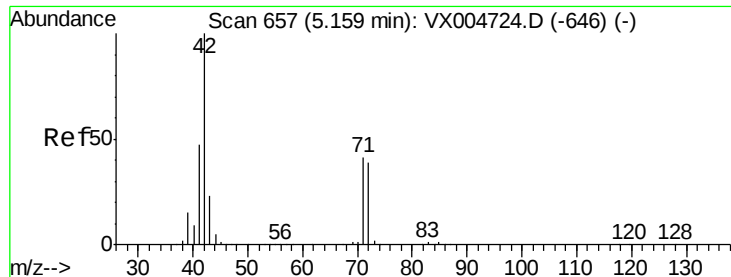


#28

Bromochloromethane
Concen: 55.132 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX004759.D
Acq: 27 Sep 2018 07:45

Tgt Ion: 49 Resp: 163206
Ion Ratio Lower Upper
49 100
129 2.1 0.0 4.2
130 74.3 67.5 101.3





#29

Tetrahydrofuran

Concen: 291.199 ug/l

RT: 5.15 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX004759.D

Acq: 27 Sep 2018 07:45

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-4-9.0-092018MS

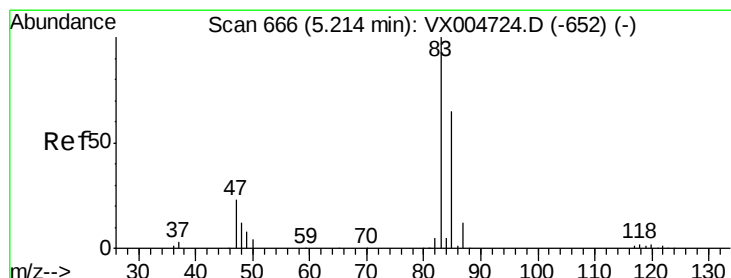
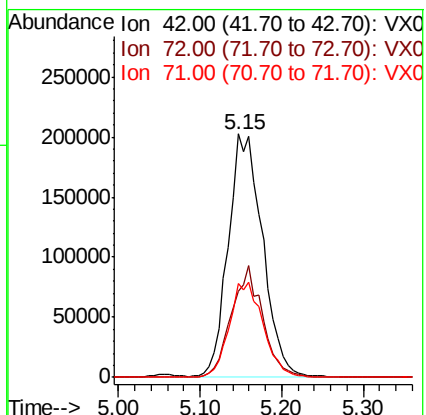
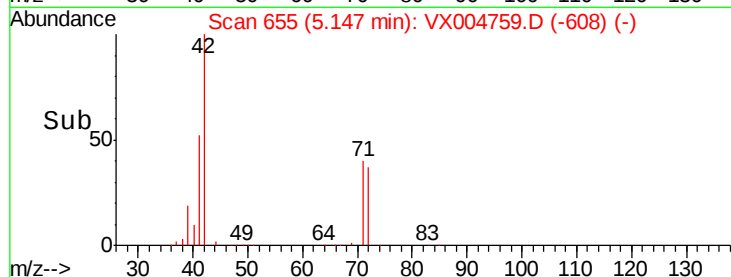
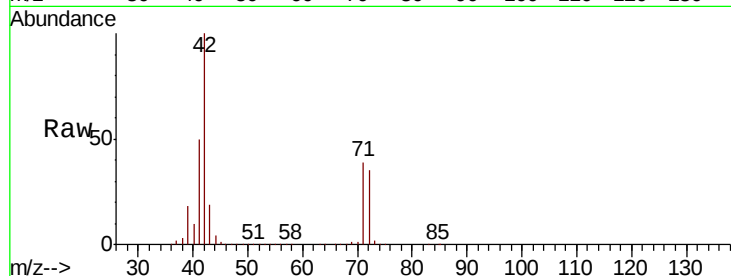
Tot Ion: 42 Resp: 588974

Ion Ratio Lower Upper

42 100

72 41.7 37.4 56.0

71 38.7 34.5 51.7



#30

Chloroform

Concen: 53.819 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX004759.D

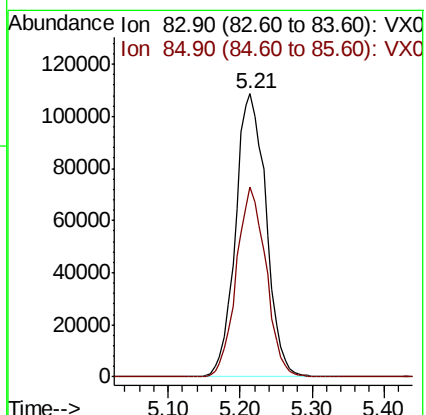
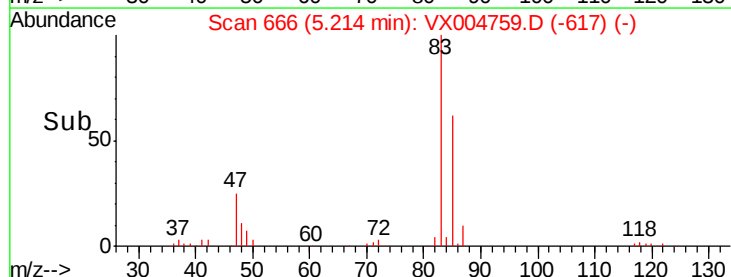
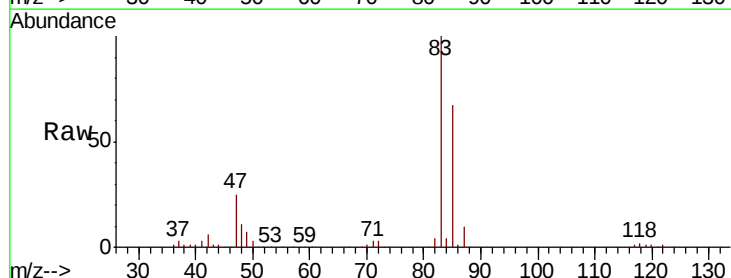
Acq: 27 Sep 2018 07:45

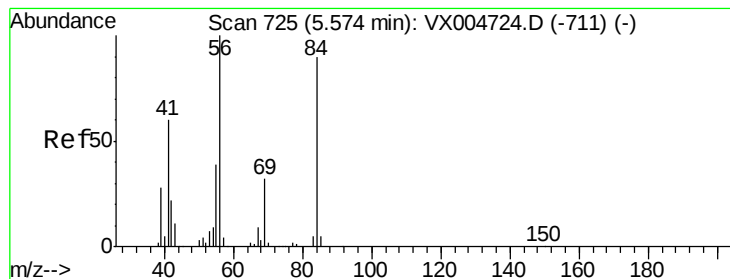
Tgt Ion: 83 Resp: 319750

Ion Ratio Lower Upper

83 100

85 67.0 52.6 79.0





#31

Cyclohexane

Concen: 53.421 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX004759.D

Acq: 27 Sep 2018 07:45

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-4-9.0-092018MS

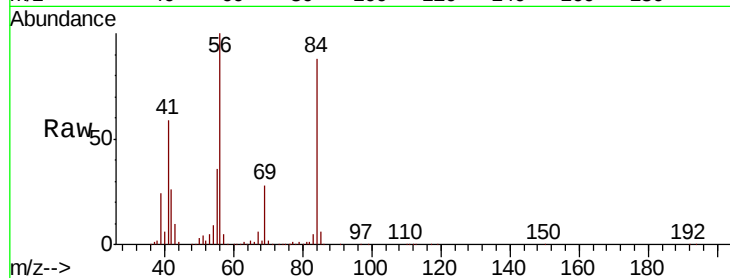
Tot Ion: 56 Resp: 257026

Ion Ratio Lower Upper

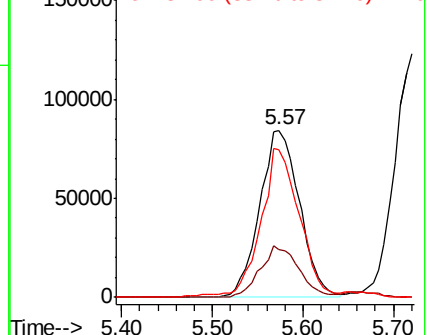
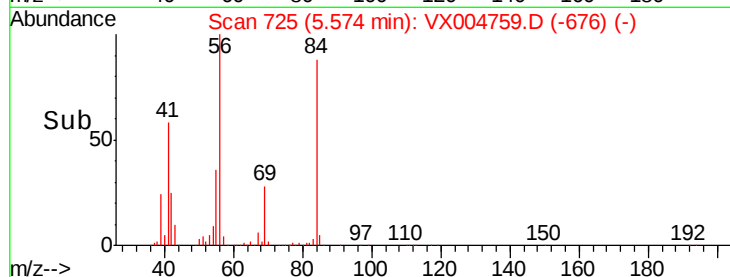
56 100

69 28.3 25.4 38.2

84 86.8 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: 54.770 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX004759.D

Acq: 27 Sep 2018 07:45

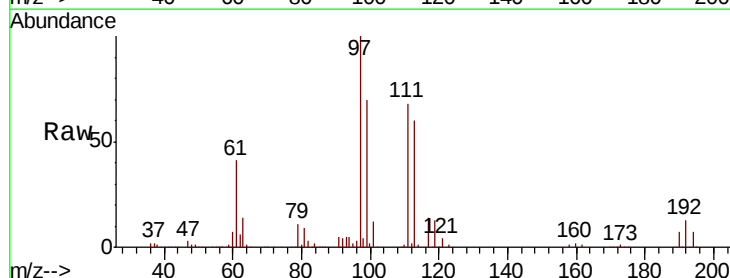
Tgt Ion: 97 Resp: 265745

Ion Ratio Lower Upper

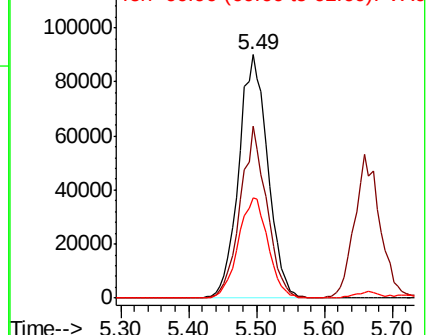
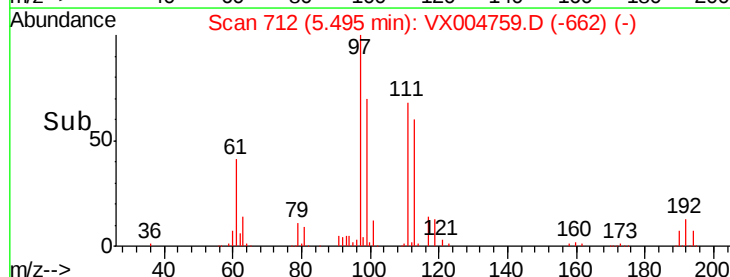
97 100

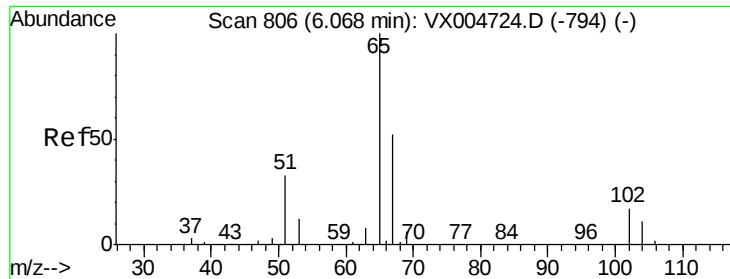
99 64.7 52.0 78.0

61 42.4 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

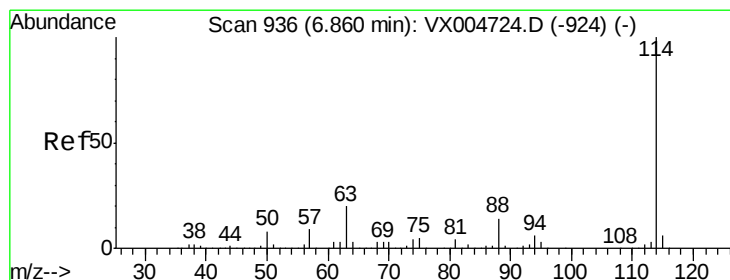
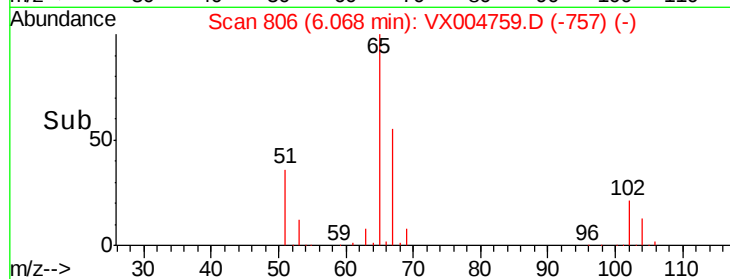
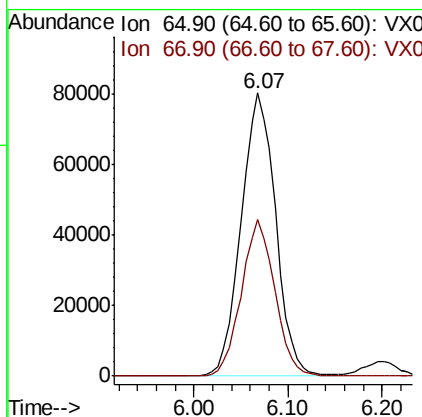
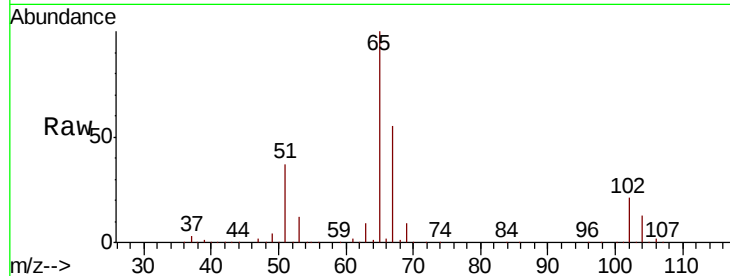




#33
 1,2-Dichloroethane-d4
 Concen: 54.084 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX004759.D
 Acq: 27 Sep 2018 07:45

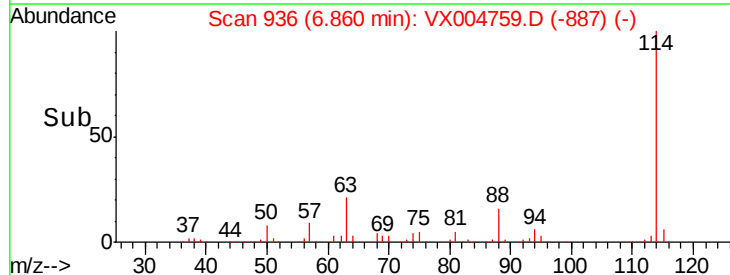
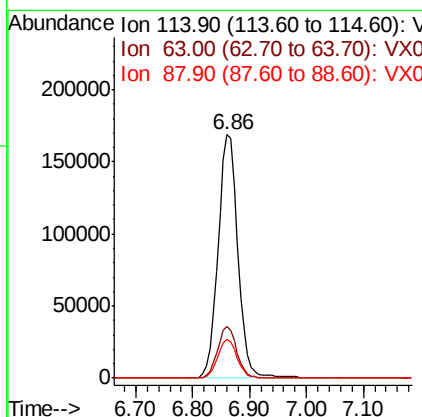
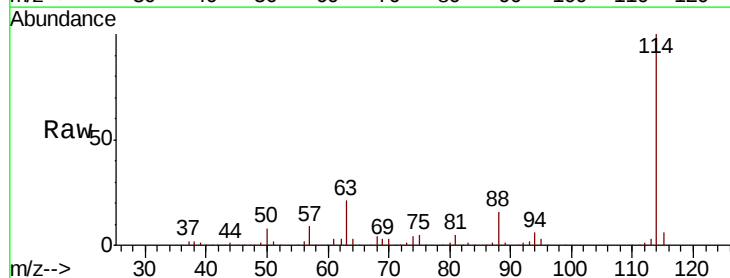
Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-4-9.0-092018MS

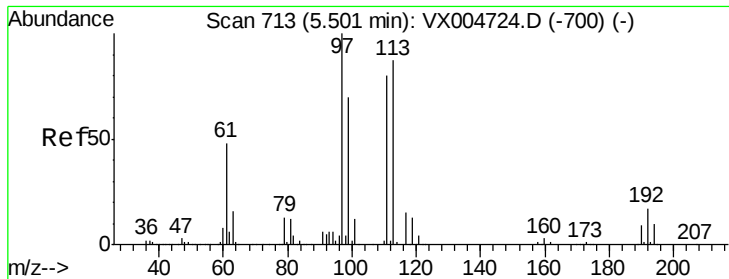
Tot Ion: 65 Resp: 204516
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004759.D
 Acq: 27 Sep 2018 07:45

Tgt Ion: 114 Resp: 407165
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 39.0
 88 15.8 0.0 30.4

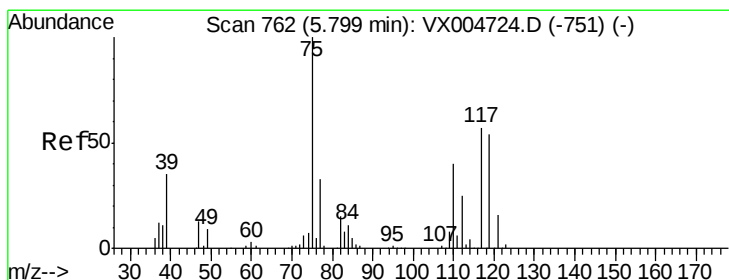
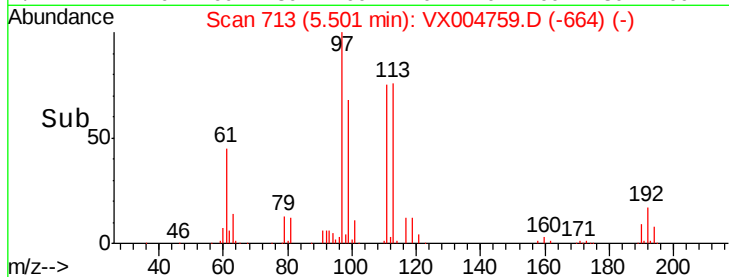
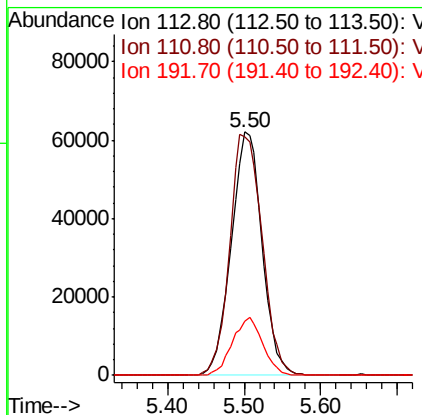
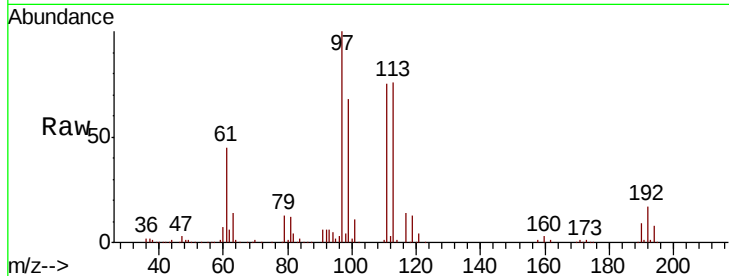




#35
 Dibromofluoromethane
 Concen: 50.102 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004759.D
 Acq: 27 Sep 2018 07:45

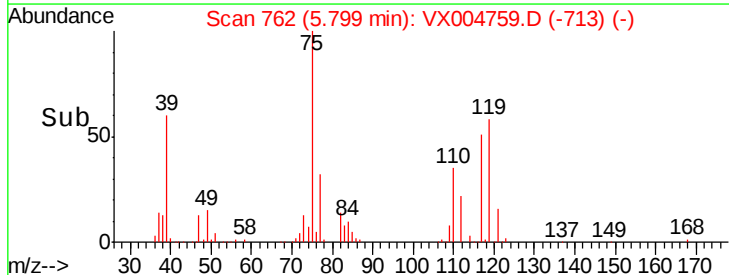
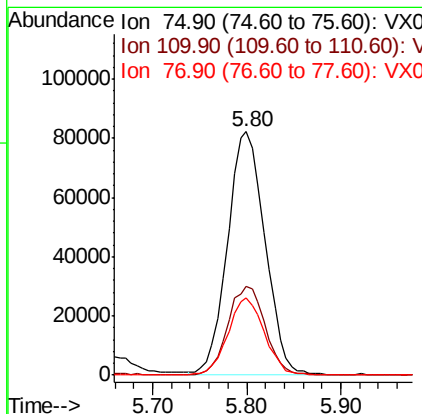
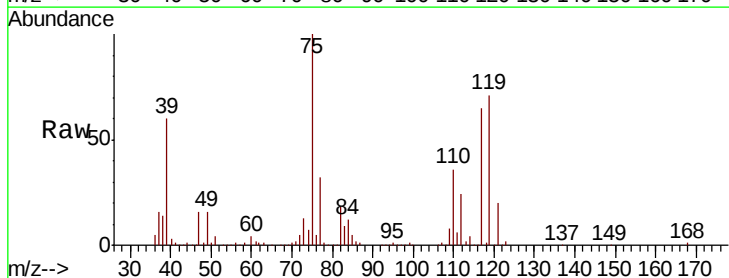
Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-4-9.0-092018MS

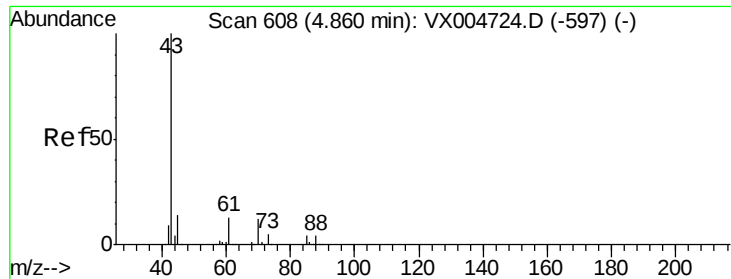
Tot Ion:113 Resp: 172892
 Ion Ratio Lower Upper
 113 100
 111 104.3 82.4 123.6
 192 23.5 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 47.849 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX004759.D
 Acq: 27 Sep 2018 07:45

Tgt Ion: 75 Resp: 225282
 Ion Ratio Lower Upper
 75 100
 110 36.7 18.0 54.0
 77 30.4 24.6 36.8

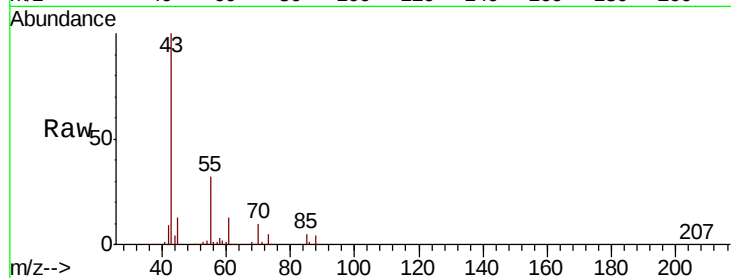




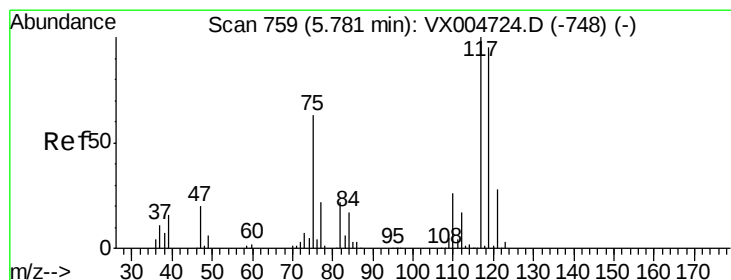
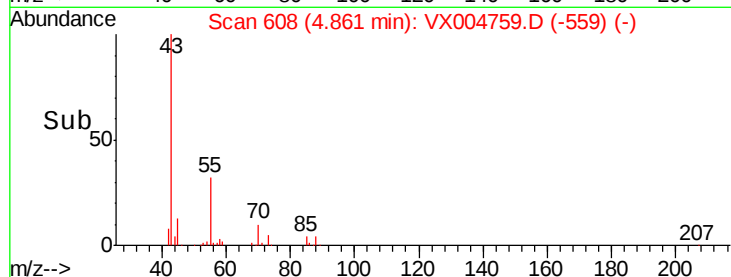
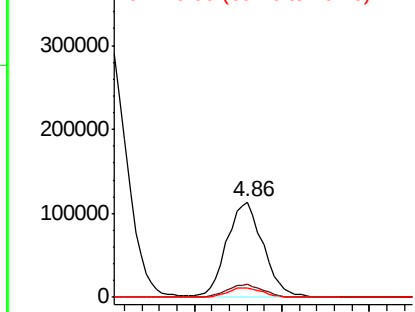
#37
Ethyl Acetate
Concen: 52.433 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX004759.D
Acq: 27 Sep 2018 07:45

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-4-9.0-092018MS

Tot Ion: 43 Resp: 327683
Ion Ratio Lower Upper
43 100
61 13.3 11.5 17.3
70 10.1 9.0 13.6

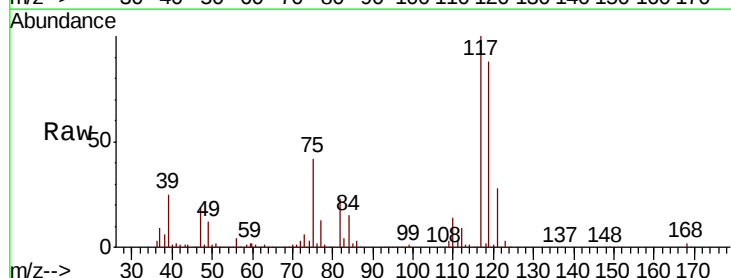


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

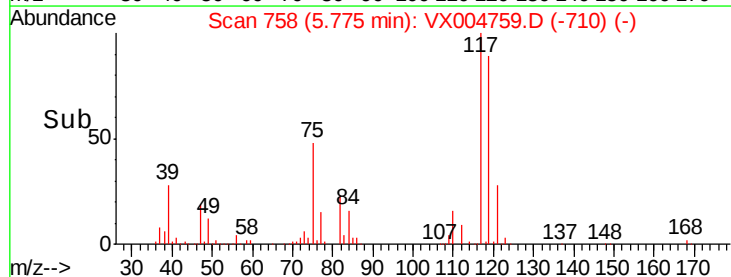
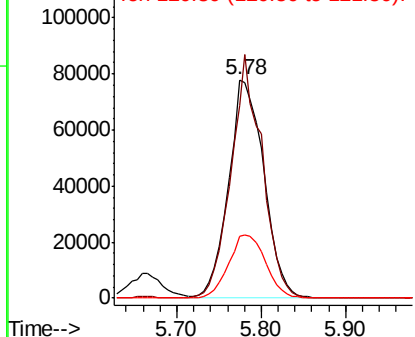


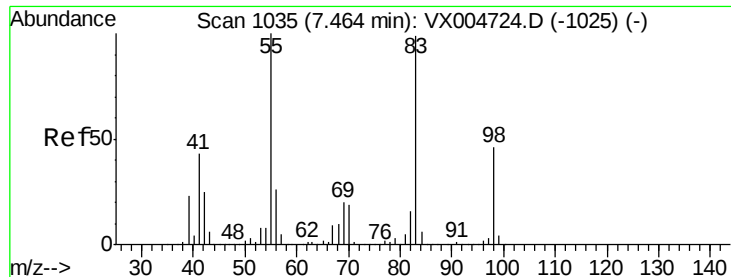
#38
Carbon Tetrachloride
Concen: 44.735 ug/l
RT: 5.78 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX004759.D
Acq: 27 Sep 2018 07:45

Tgt Ion: 117 Resp: 221400
Ion Ratio Lower Upper
117 100
119 88.2 78.8 118.2
121 28.1 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

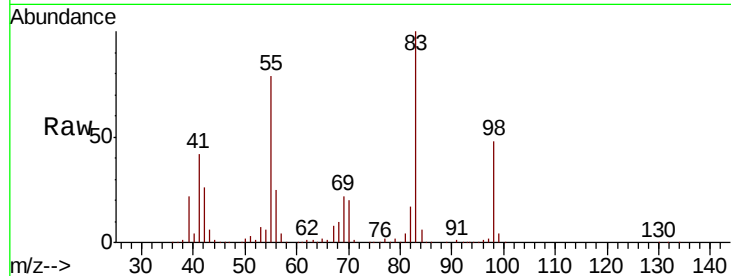




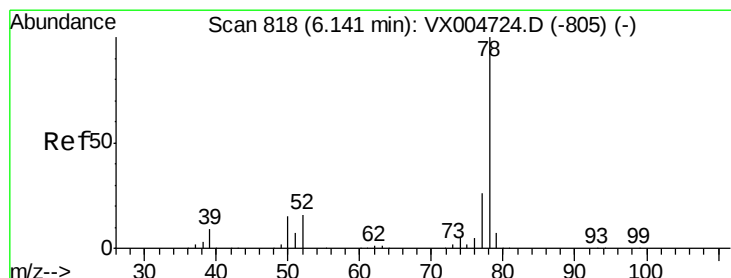
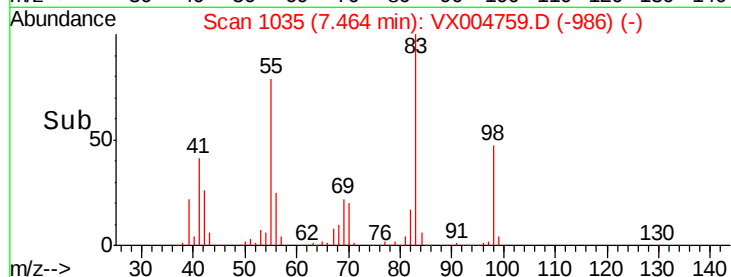
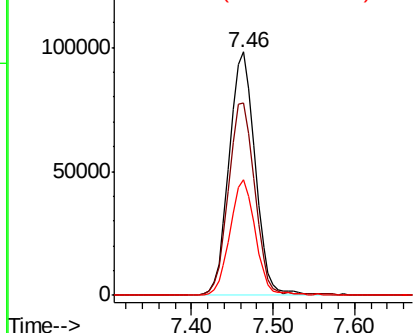
#39
Methvlcvclohexane
Concen: 45.001 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004759.D
Acq: 27 Sep 2018 07:45

Instrument :
MSVOA_X
ClientSampleId :
T11-MW-4-9.0-092018MS

Tot Ion: 83 Resp: 216345
Ion Ratio Lower Upper
83 100
55 78.7 61.0 91.4
98 47.5 39.6 59.4

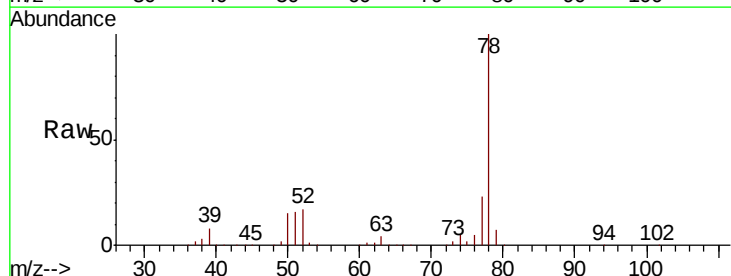


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

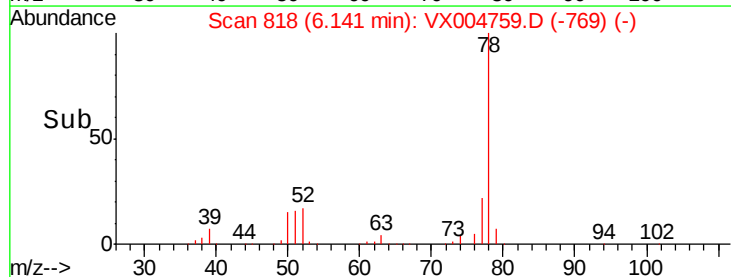
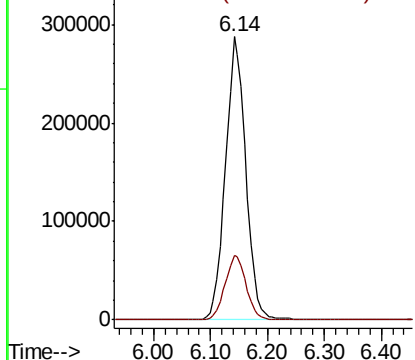


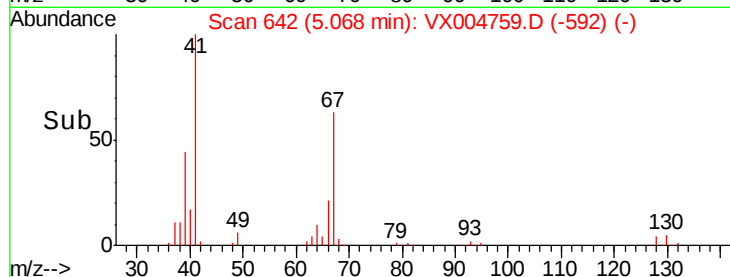
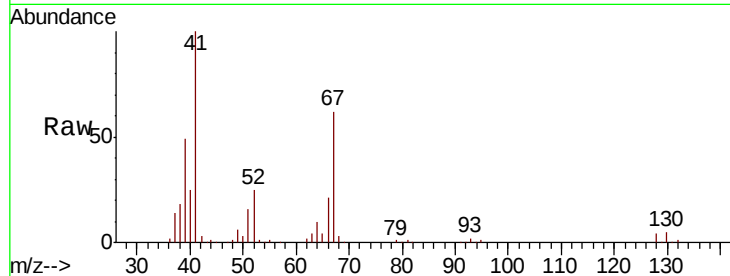
#40
Benzene
Concen: 48.563 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004759.D
Acq: 27 Sep 2018 07:45

Tgt Ion: 78 Resp: 715801
Ion Ratio Lower Upper
78 100
77 22.9 19.0 28.4



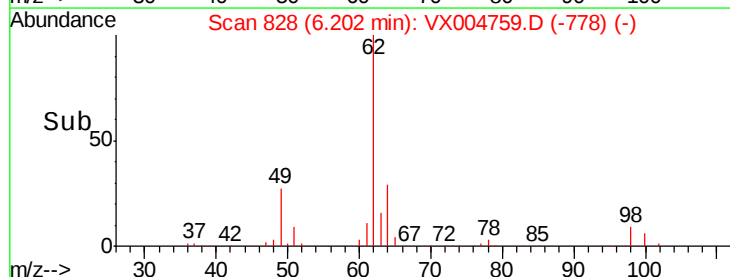
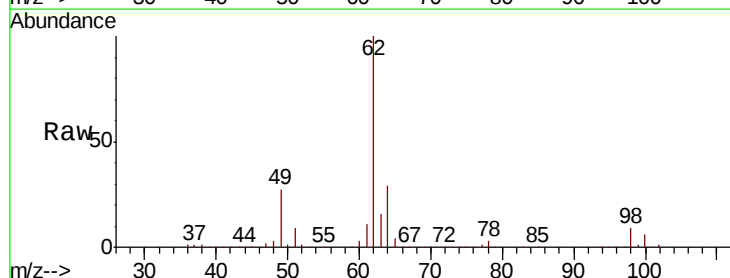
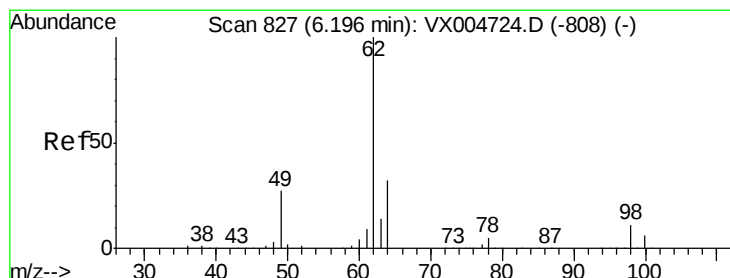
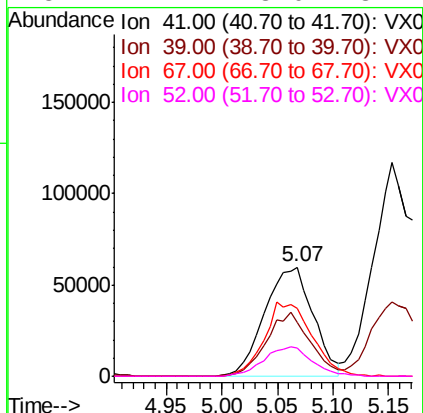
Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





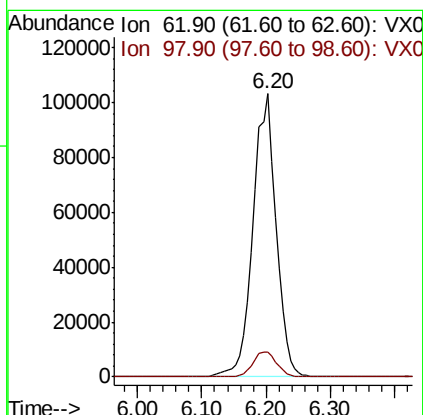
#41
Methacrylonitrile
Concen: 52.222 ug/l
RT: 5.07 min Scan# 642
Delta R.T. 0.01 min
Lab File: VX004759.D
Acq: 27 Sep 2018 07:45

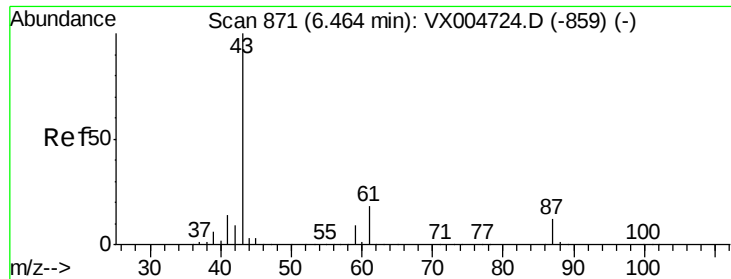
Tot Ion:	41	Resp:	180996
Ion	Ratio	Lower	Upper
41	100		
39	52.6	42.4	63.6
67	66.9	59.2	88.8
52	27.4	23.0	34.4



#42
1,2-Dichloroethane
Concen: 48.634 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX004759.D
Acq: 27 Sep 2018 07:45

Tgt Ion:	62	Resp:	253413
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	20.6



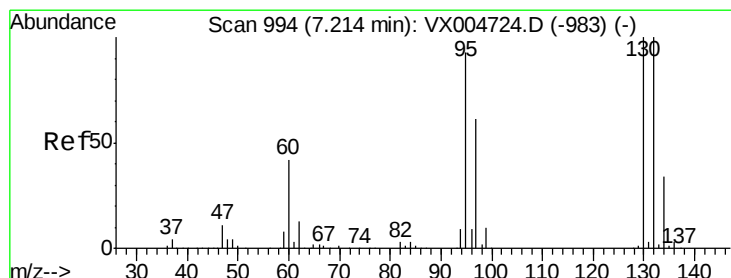
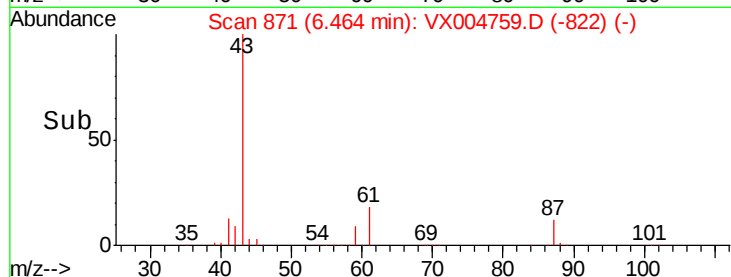
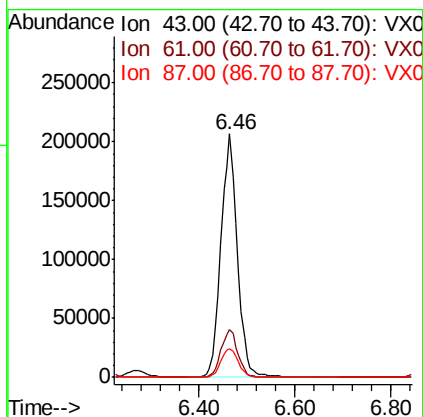
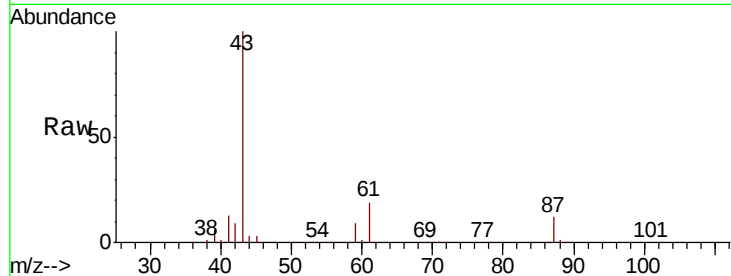


#43

Isopropyl Acetate
 Concen: 53.935 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.00 min
 Lab File: VX004759.D
 Acq: 27 Sep 2018 07:45

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-4-9.0-092018MS

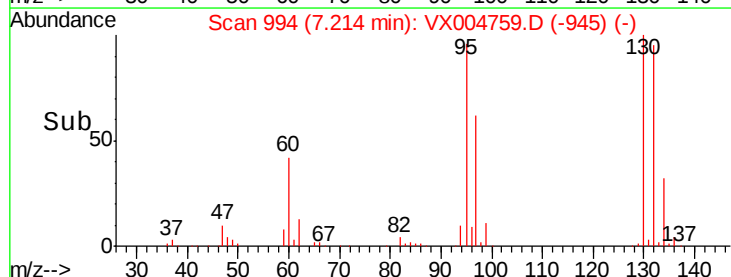
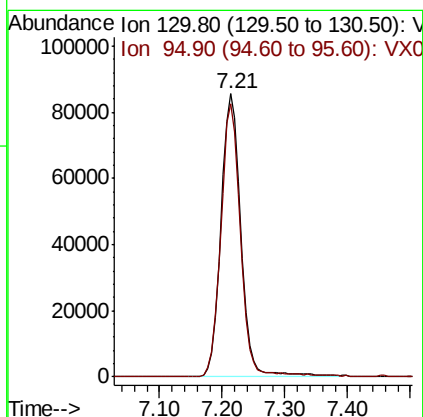
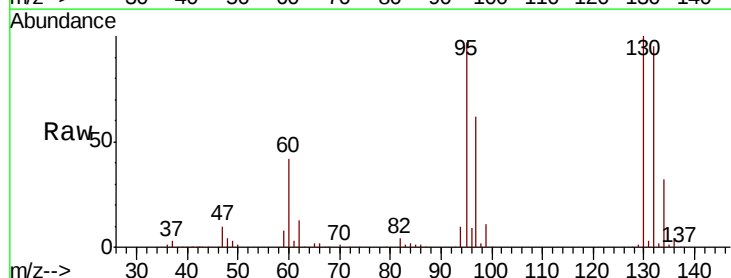
Tot Ion: 43 Resp: 486508
 Ion Ratio Lower Upper
 43 100
 61 20.2 17.0 25.4
 87 12.6 11.4 17.2



#44

Trichloroethene
 Concen: 52.012 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX004759.D
 Acq: 27 Sep 2018 07:45

Tgt Ion:130 Resp: 188464
 Ion Ratio Lower Upper
 130 100
 95 96.7 0.0 181.6





#45

1,2-Dichloropropane

Concen: 52.469 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX004759.D

Acq: 27 Sep 2018 07:45

Instrument :

MSVOA_X

ClientSampleId :

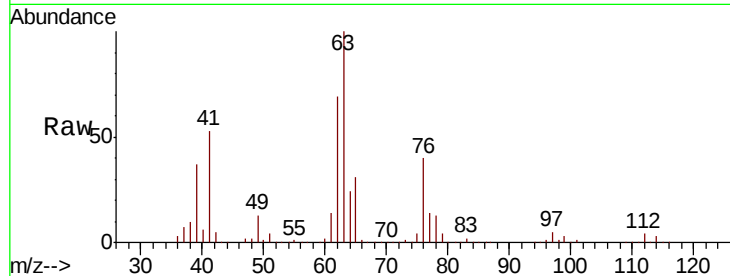
T11-MW-4-9.0-092018MS

Tot Ion: 63 Resp: 189655

Ion Ratio Lower Upper

63 100

65 31.2 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

100000

80000

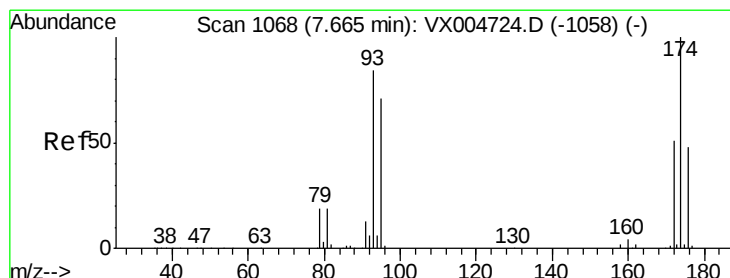
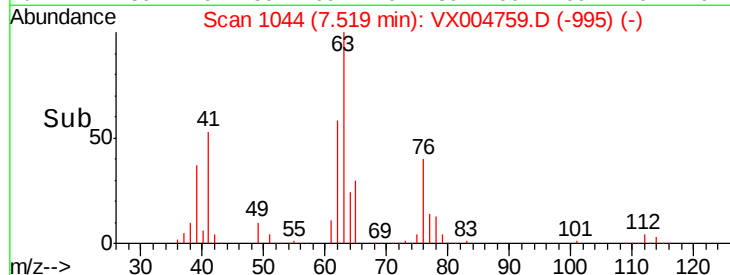
60000

40000

20000

0

Time--> 7.30 7.40 7.50 7.60 7.70



#46

Dibromomethane

Concen: 53.699 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX004759.D

Acq: 27 Sep 2018 07:45

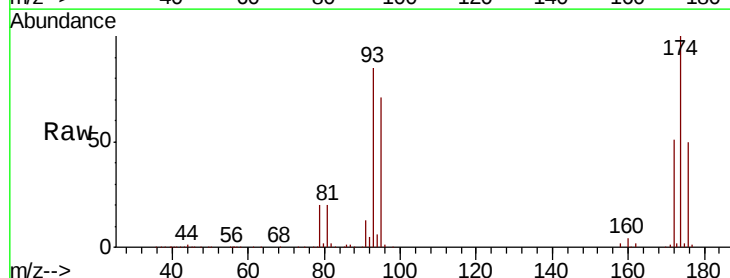
Tgt Ion: 93 Resp: 121987

Ion Ratio Lower Upper

93 100

95 82.9 65.5 98.3

174 114.6 94.2 141.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

100000

80000

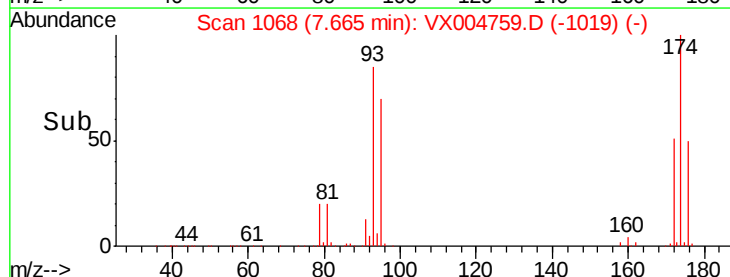
60000

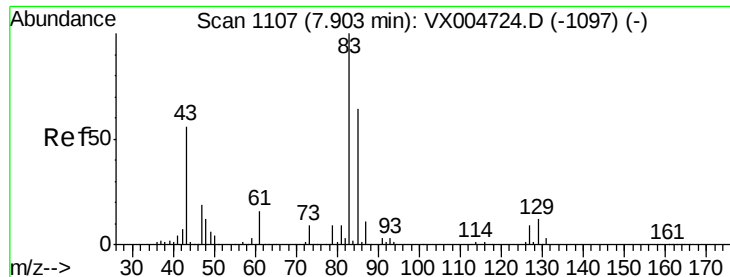
40000

20000

0

Time--> 7.60 7.70 7.80





#47

Bromodichloromethane

Concen: 53.225 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX004759.D

Acq: 27 Sep 2018 07:45

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-4-9.0-092018MS

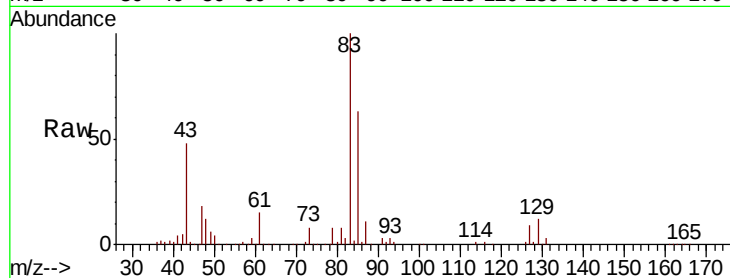
Tot Ion: 83 Resp: 226373

Ion Ratio Lower Upper

83 100

85 62.6 50.9 76.3

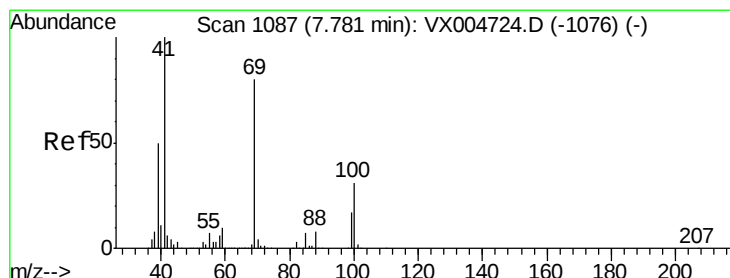
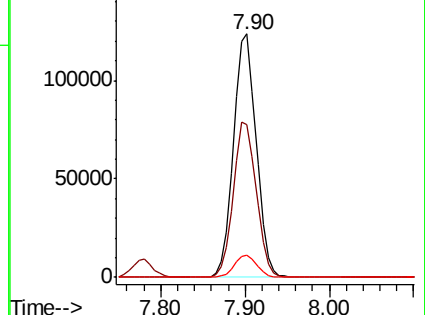
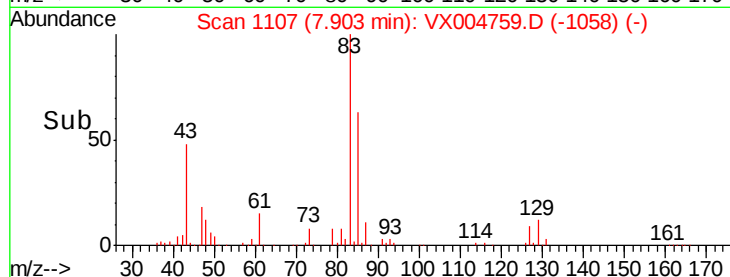
127 9.0 7.3 10.9



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: 59.089 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX004759.D

Acq: 27 Sep 2018 07:45

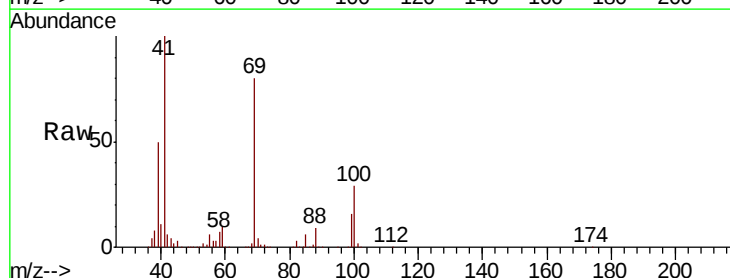
Tgt Ion: 41 Resp: 241922

Ion Ratio Lower Upper

41 100

69 81.1 70.2 105.4

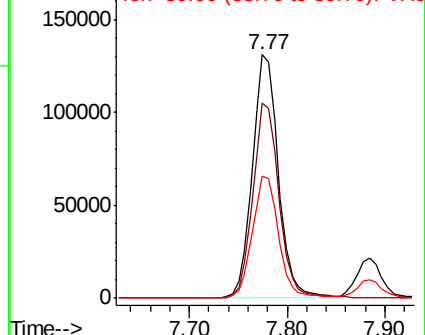
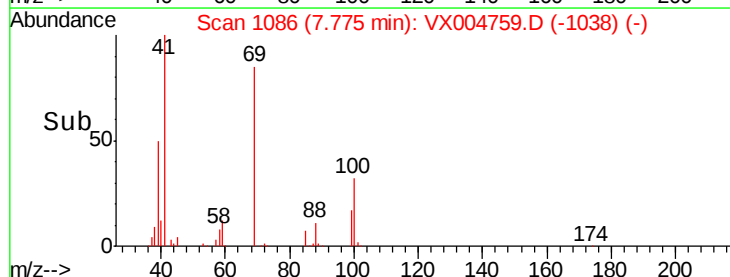
39 50.4 42.7 64.1

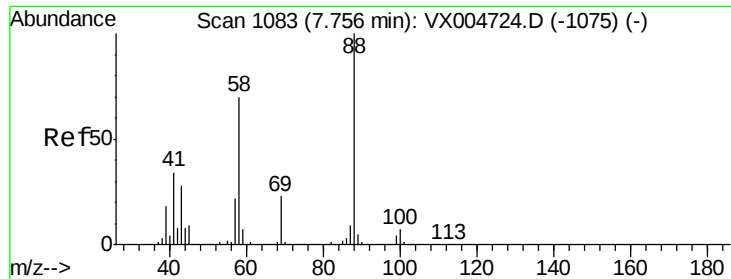


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

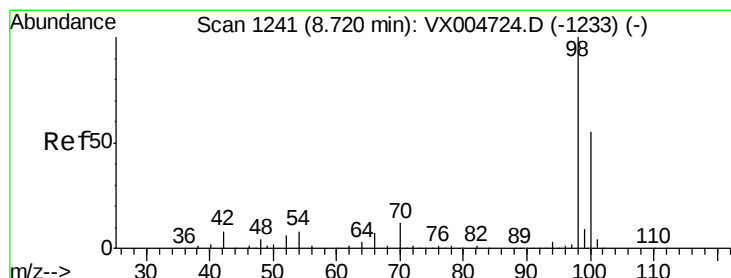
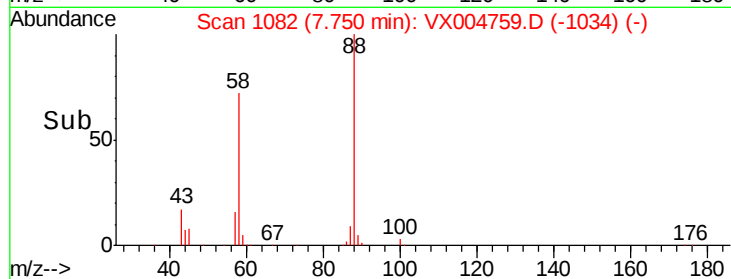
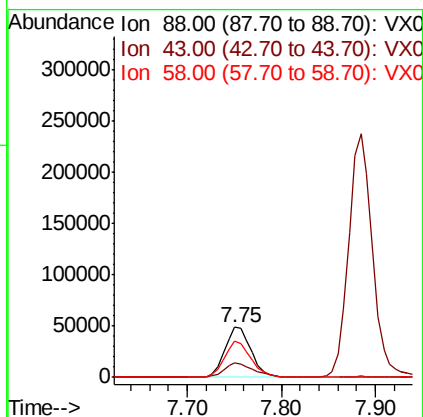
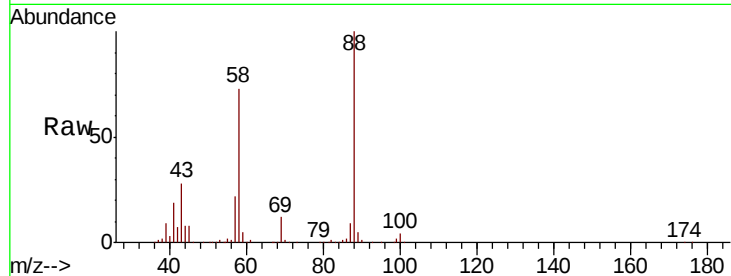




#49
1,4-Dioxane
Concen: 927.534 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX004759.D
Acq: 27 Sep 2018 07:45

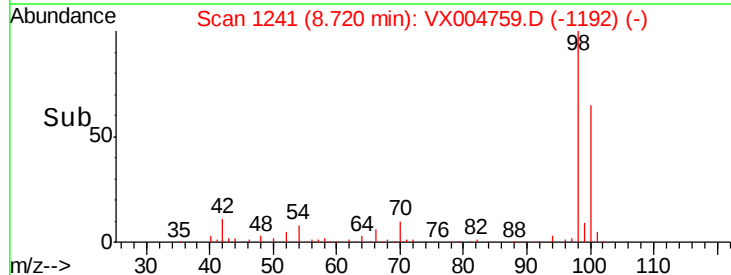
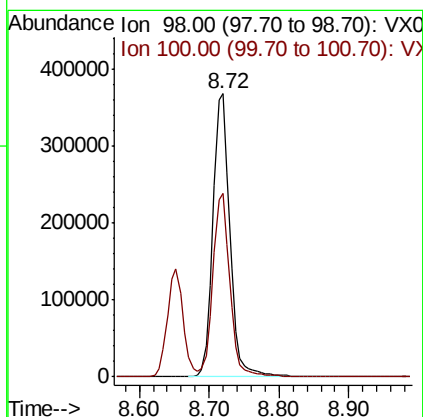
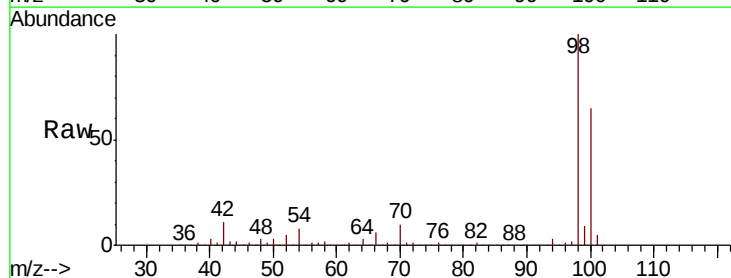
Instrument :
MSVOA_X
ClientSampleId :
T11-MW-4-9.0-092018MS

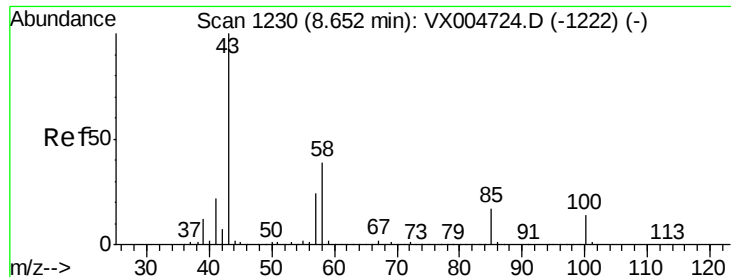
Tot Ion: 88 Resp: 94345
Ion Ratio Lower Upper
88 100
43 32.3 24.7 37.1
58 73.2 55.3 82.9



#50
Toluene-d8
Concen: 54.149 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX004759.D
Acq: 27 Sep 2018 07:45

Tgt Ion: 98 Resp: 621199
Ion Ratio Lower Upper
98 100
100 65.1 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 281.289 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VX004759.D

Acq: 27 Sep 2018 07:45

Instrument :

MSVOA_X

ClientSampleId :

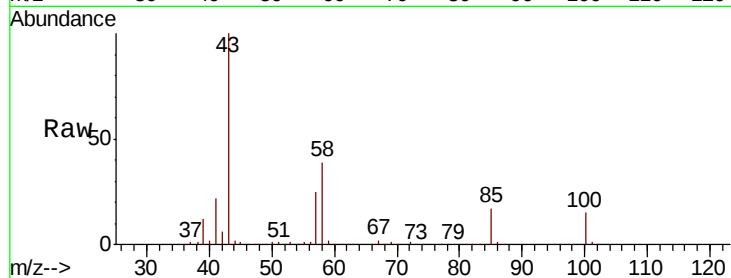
T11-MW-4-9.0-092018MS

Tot Ion: 43 Resp: 1597616

Ion Ratio Lower Upper

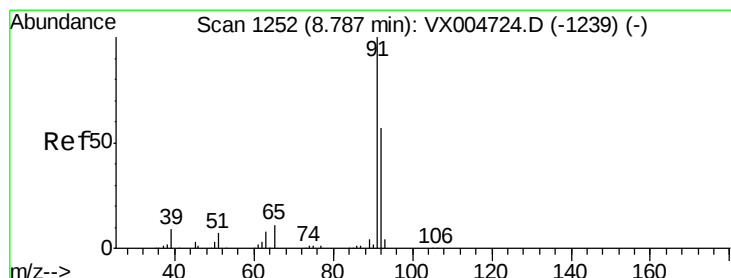
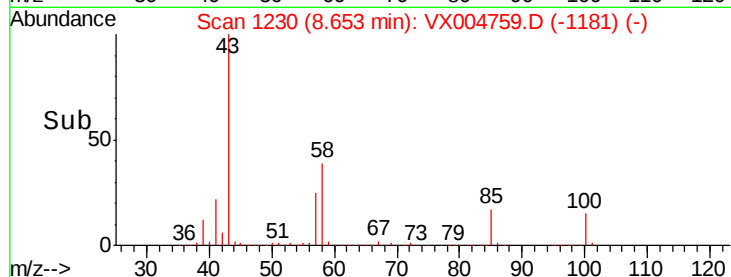
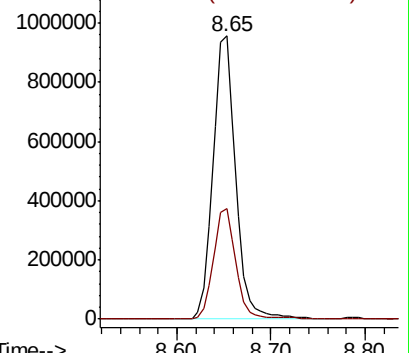
43 100

58 39.1 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 53.591 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX004759.D

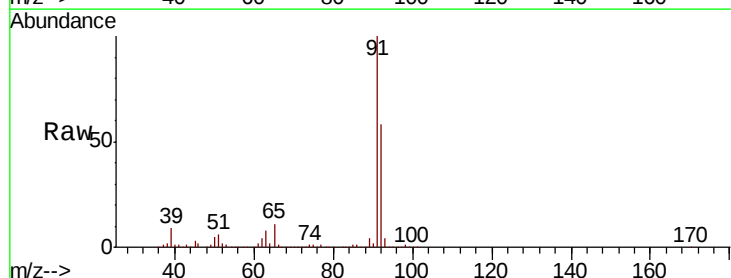
Acq: 27 Sep 2018 07:45

Tgt Ion: 92 Resp: 434046

Ion Ratio Lower Upper

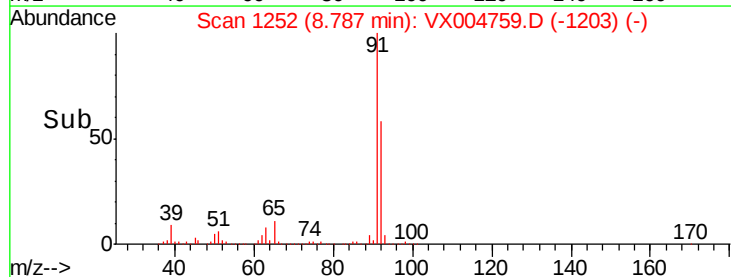
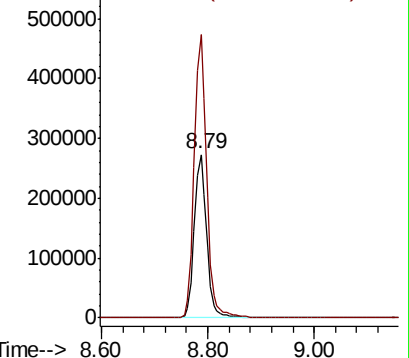
92 100

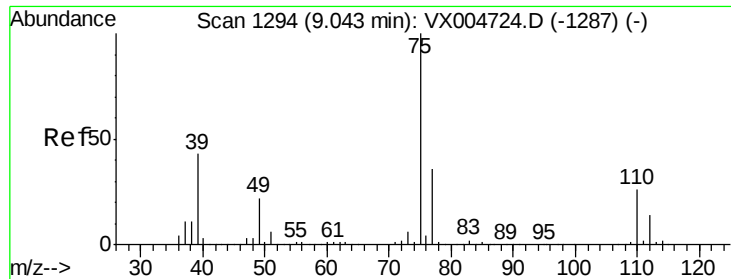
91 173.6 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

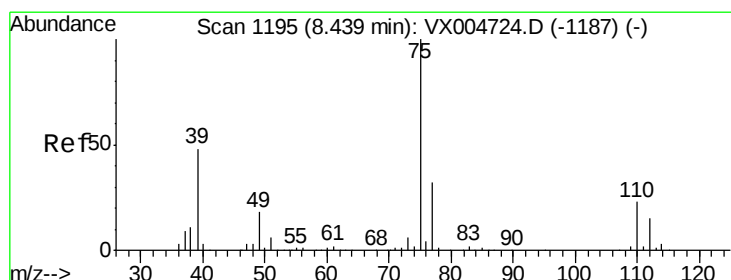
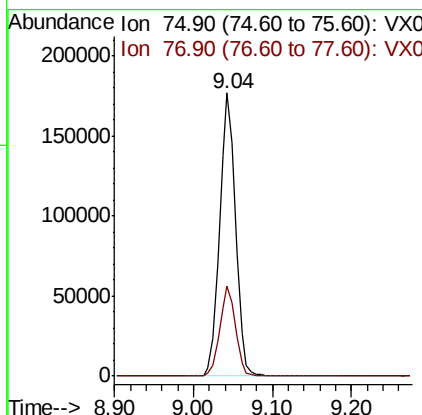
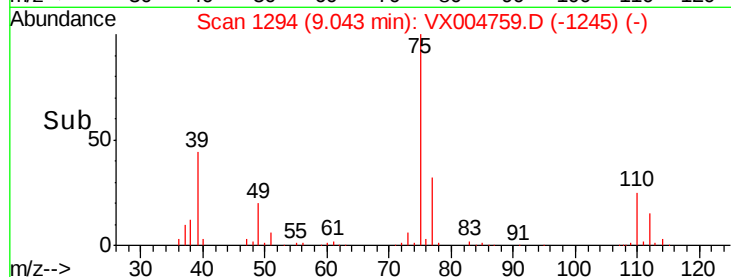
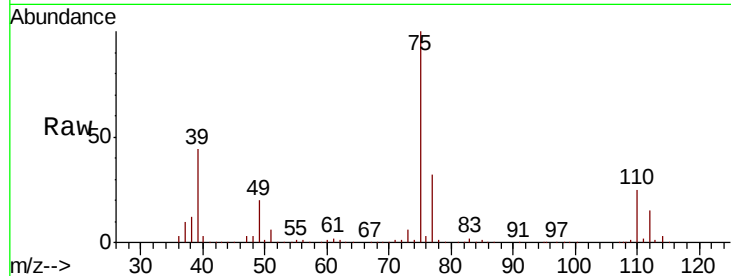




#53
t-1,3-Dichloropropene
Concen: 51.658 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX004759.D
Acq: 27 Sep 2018 07:45

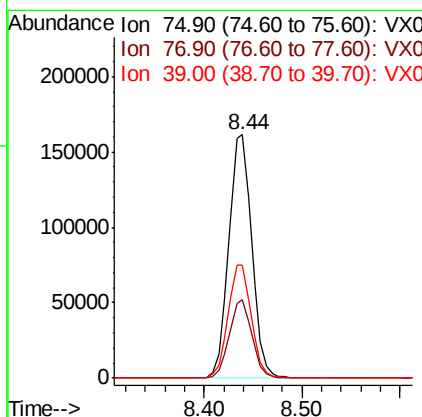
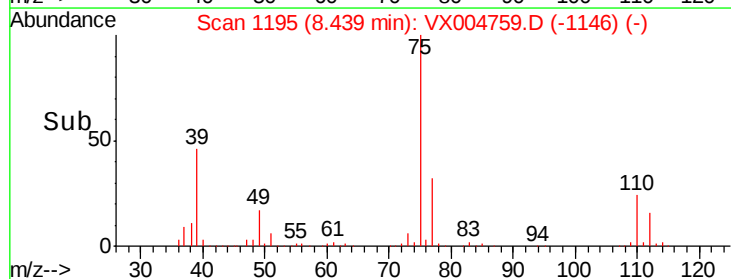
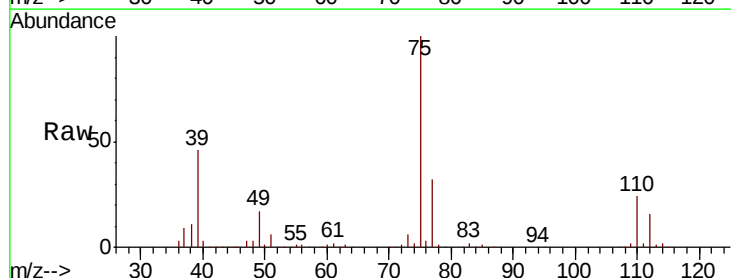
Instrument :
MSVOA_X
ClientSampleId :
T11-MW-4-9.0-092018MS

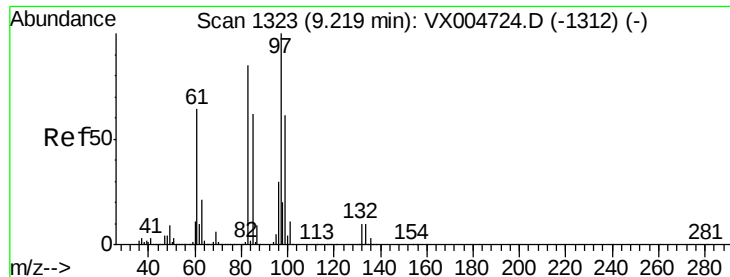
Tot Ion: 75 Resp: 248280
Ion Ratio Lower Upper
75 100
77 31.8 24.6 37.0



#54
cis-1,3-Dichloropropene
Concen: 52.341 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VX004759.D
Acq: 27 Sep 2018 07:45

Tgt Ion: 75 Resp: 263491
Ion Ratio Lower Upper
75 100
77 32.0 26.2 39.2
39 46.2 36.4 54.6

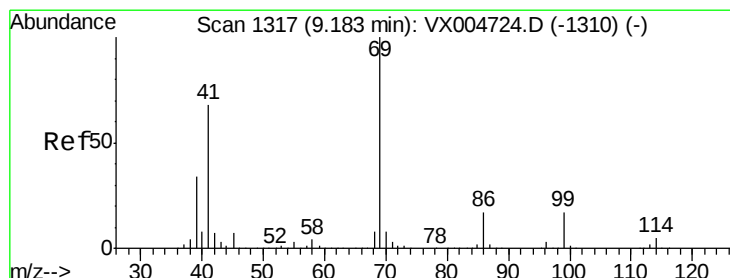
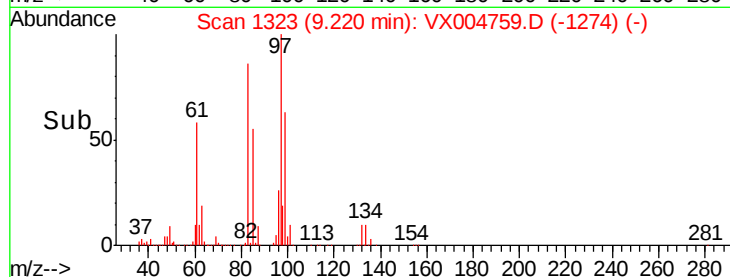
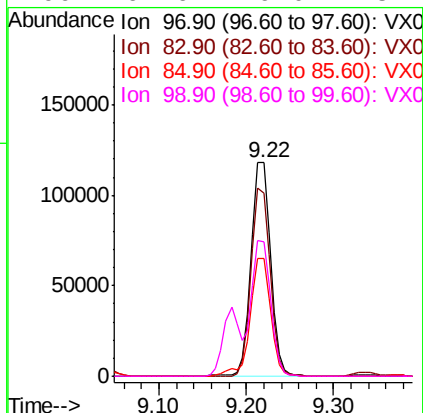
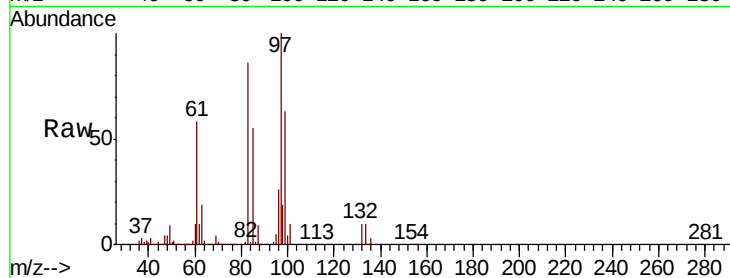




#55
 1,1,2-Trichloroethane
 Concen: 51.409 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX004759.D
 Acq: 27 Sep 2018 07:45

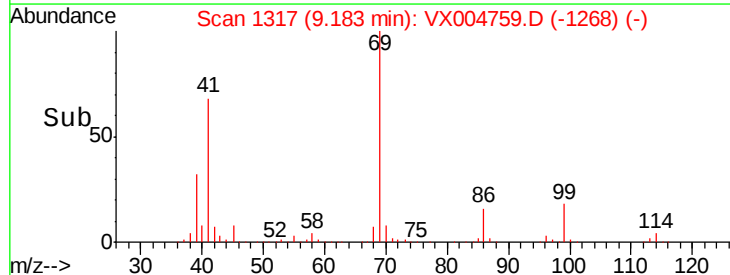
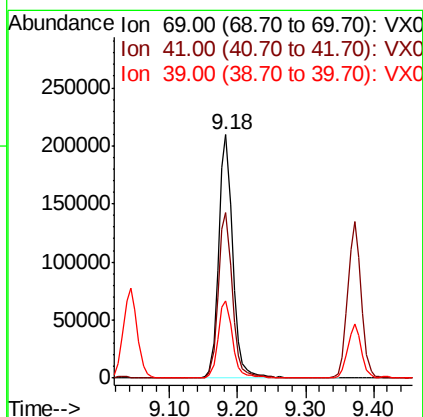
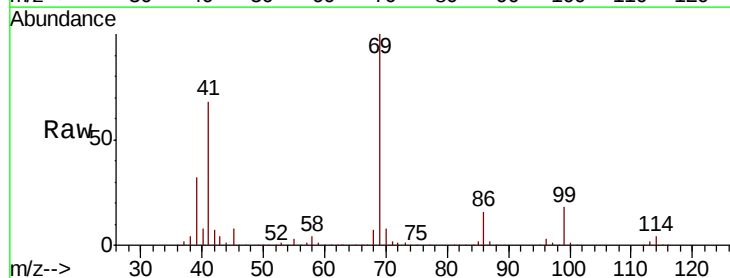
Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-4-9.0-092018MS

Tot Ion:	97	Resp:	182385
Ion	Ratio	Lower	Upper
97	100		
83	85.9	66.4	99.6
85	55.3	43.3	64.9
99	62.6	49.0	73.4



#56
 Ethyl methacrylate
 Concen: 51.873 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX004759.D
 Acq: 27 Sep 2018 07:45

Tgt Ion:	69	Resp:	299289
Ion	Ratio	Lower	Upper
69	100		
41	68.3	51.0	76.4
39	32.6	26.1	39.1





#57

1,3-Dichloropropane

Concen: 52.370 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX004759.D

Acq: 27 Sep 2018 07:45

Instrument :

MSVOA_X

ClientSampleId :

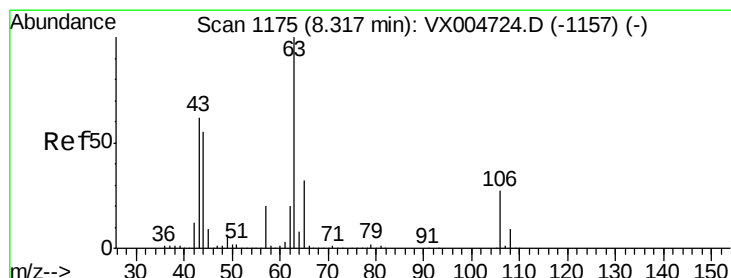
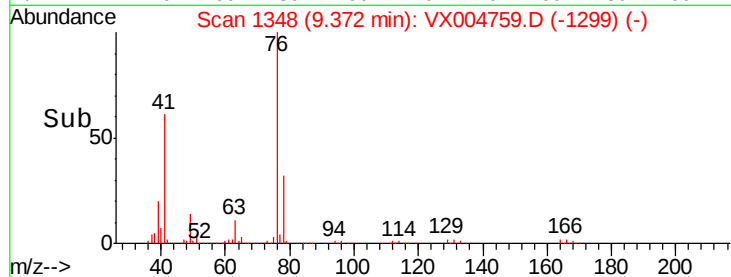
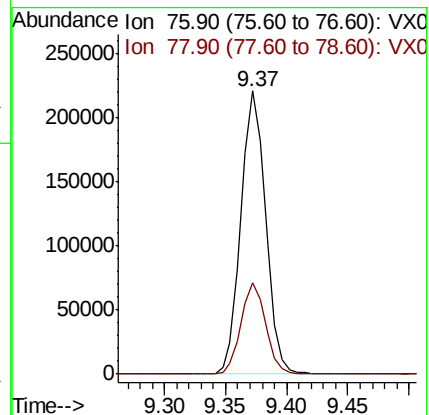
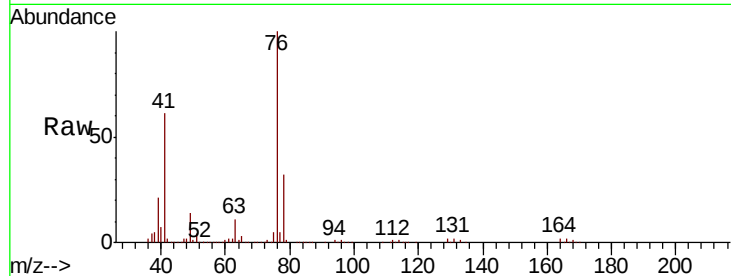
T11-MW-4-9.0-092018MS

Tot Ion: 76 Resp: 309222

Ion Ratio Lower Upper

76 100

78 32.0 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 14.974 ug/l

RT: 8.29 min Scan# 1170

Delta R.T. -0.03 min

Lab File: VX004759.D

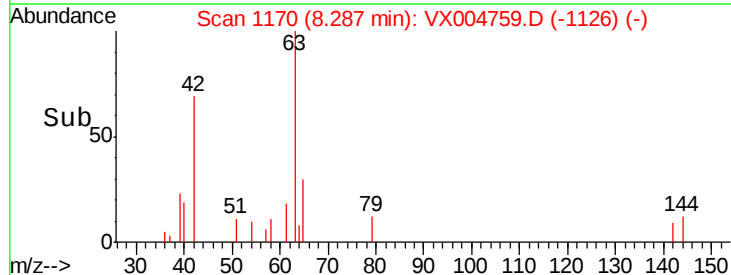
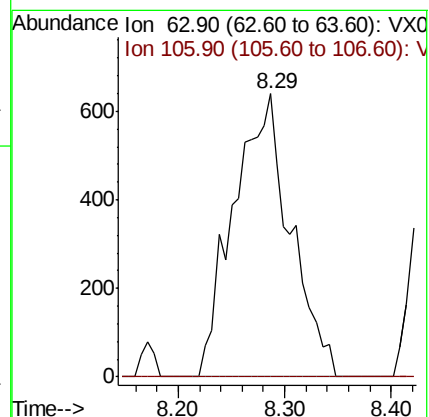
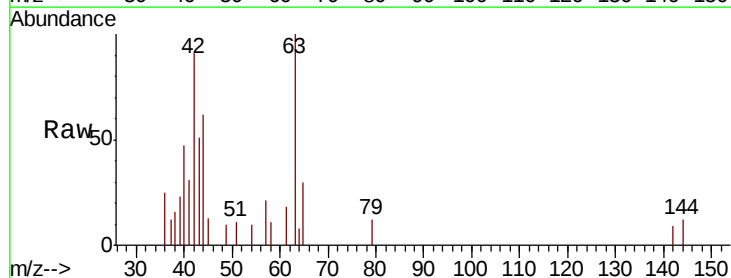
Acq: 27 Sep 2018 07:45

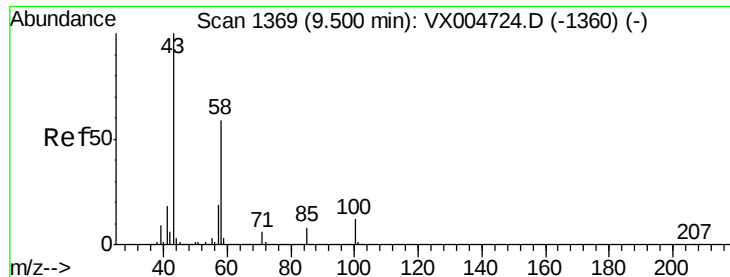
Tgt Ion: 63 Resp: 2371

Ion Ratio Lower Upper

63 100

106 0.0 23.9 35.9#

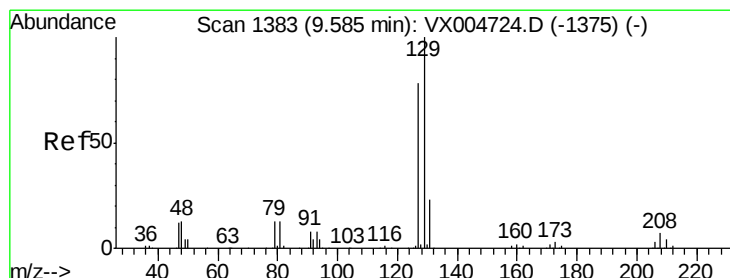
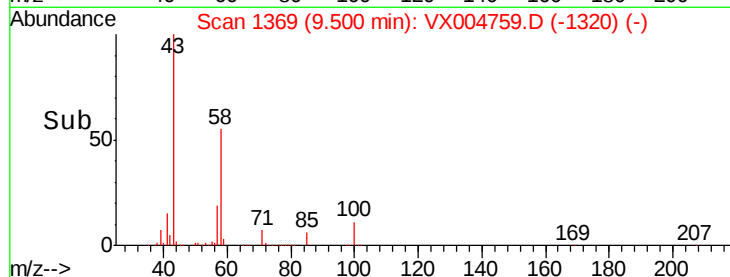
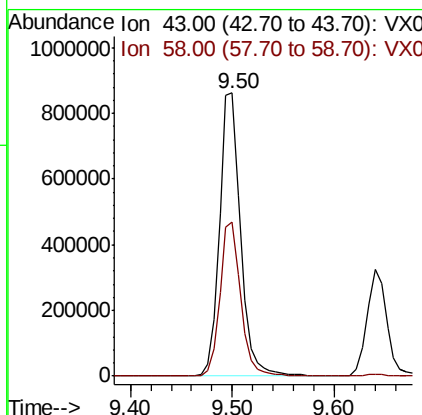
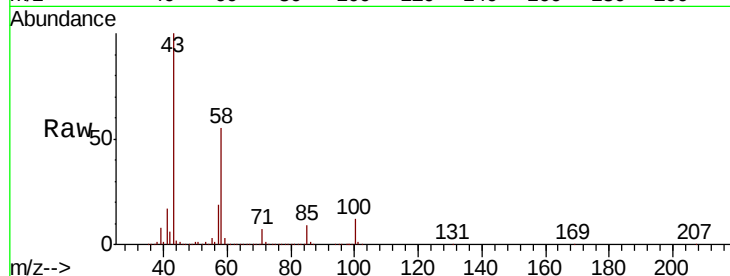




#59
2-Hexanone
Concen: 264.371 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX004759.D
Acq: 27 Sep 2018 07:45

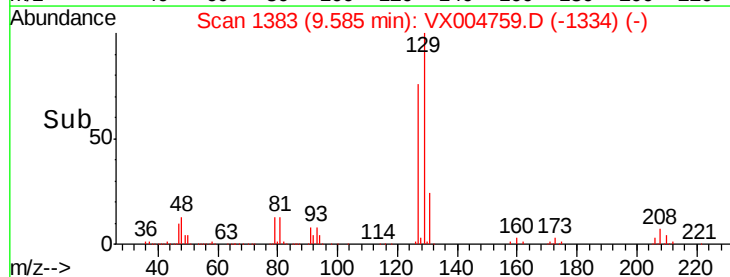
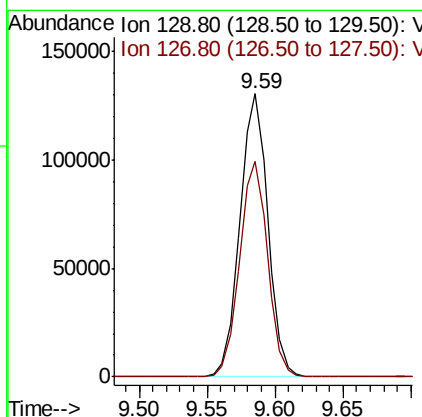
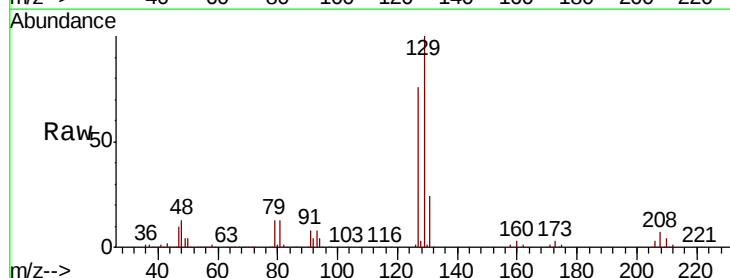
Instrument :
MSVOA_X
ClientSampleId :
T11-MW-4-9.0-092018MS

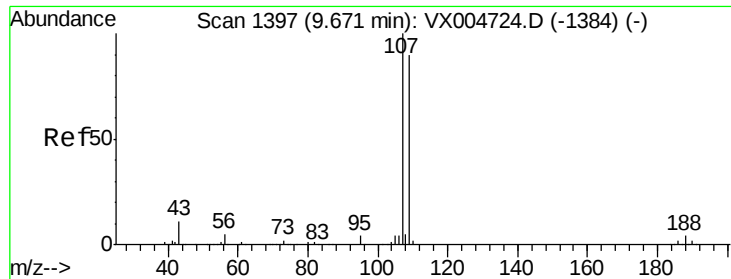
Tot Ion: 43 Resp: 1251249
Ion Ratio Lower Upper
43 100
58 53.8 29.0 87.0



#60
Dibromochloromethane
Concen: 52.617 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX004759.D
Acq: 27 Sep 2018 07:45

Tgt Ion:129 Resp: 186685
Ion Ratio Lower Upper
129 100
127 76.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 50.170 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX004759.D

Acq: 27 Sep 2018 07:45

Instrument :

MSVOA_X

ClientSampleId :

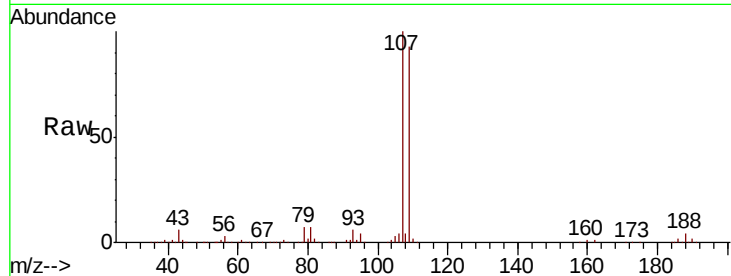
T11-MW-4-9.0-092018MS

Tot Ion:107 Resp: 190617

Ion Ratio Lower Upper

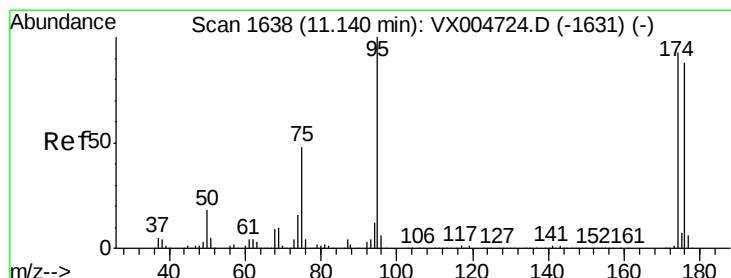
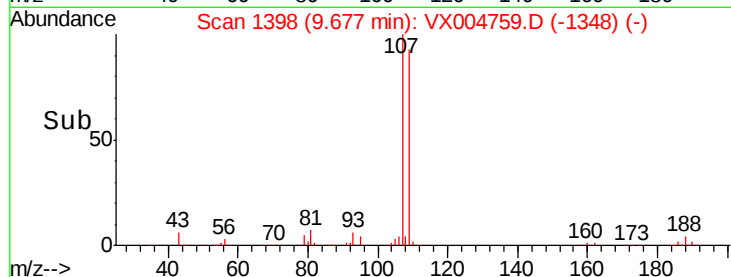
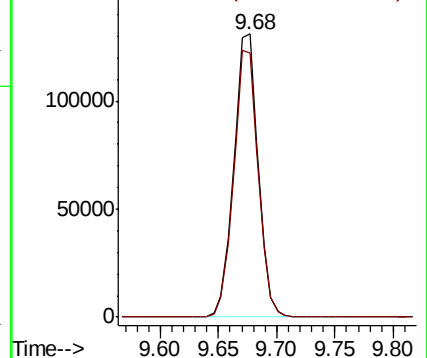
107 100

109 94.9 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: 55.877 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004759.D

Acq: 27 Sep 2018 07:45

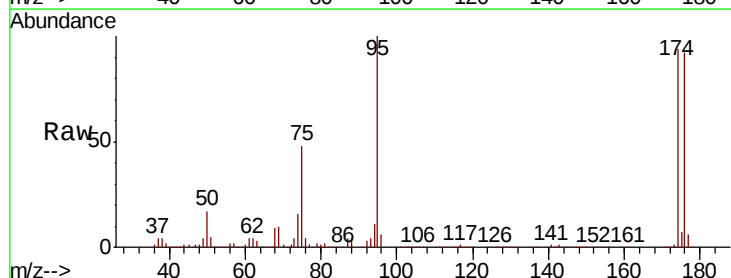
Tgt Ion: 95 Resp: 230932

Ion Ratio Lower Upper

95 100

174 91.2 0.0 185.2

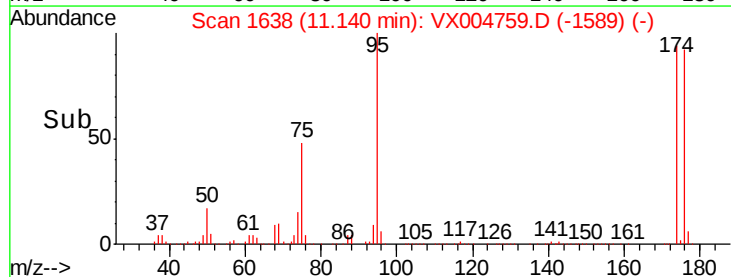
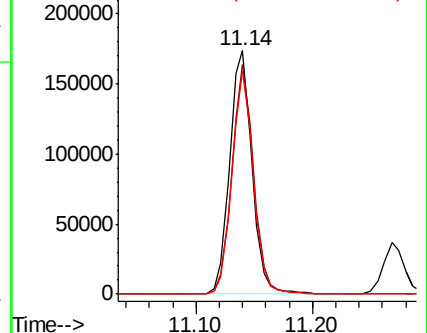
176 88.0 0.0 178.6

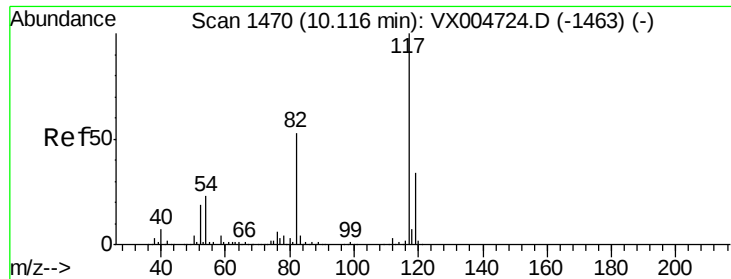


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

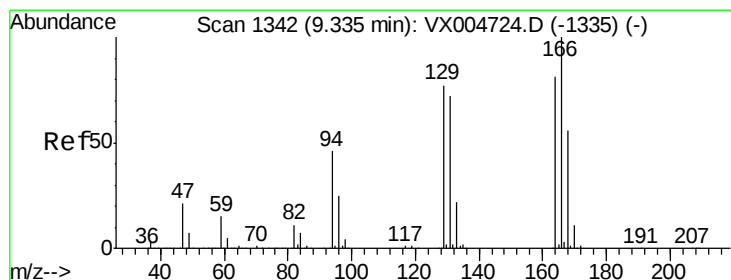
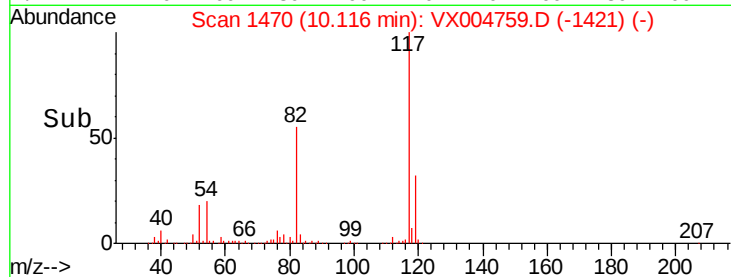
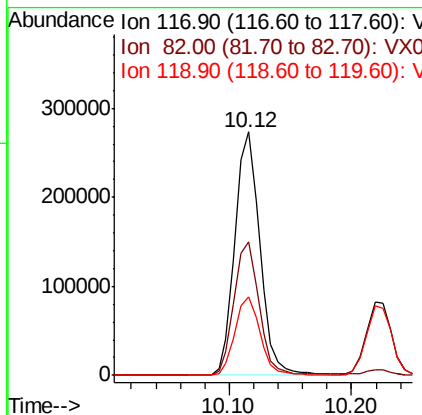
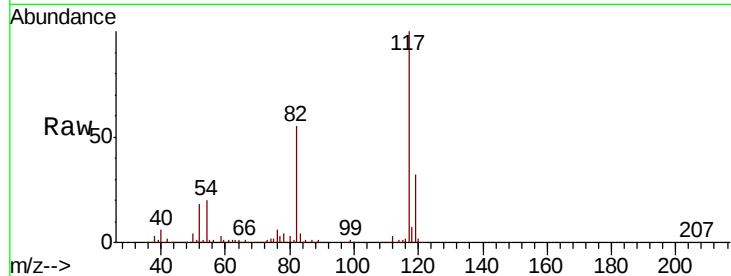




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004759.D
Acq: 27 Sep 2018 07:45

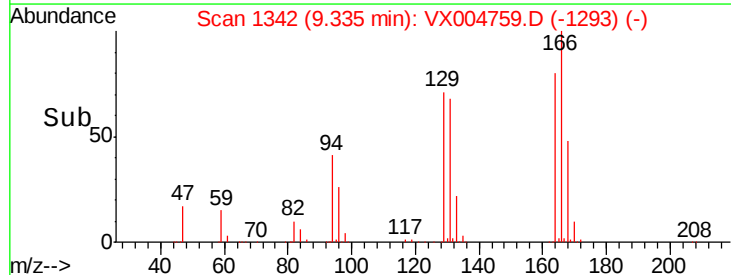
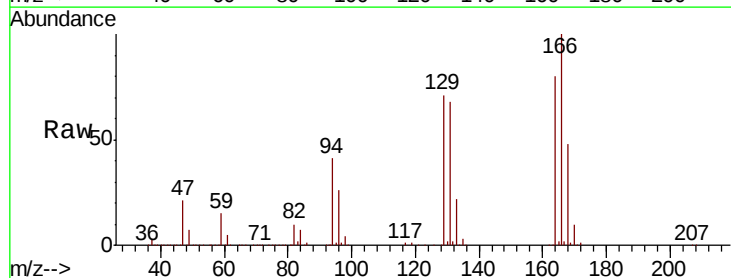
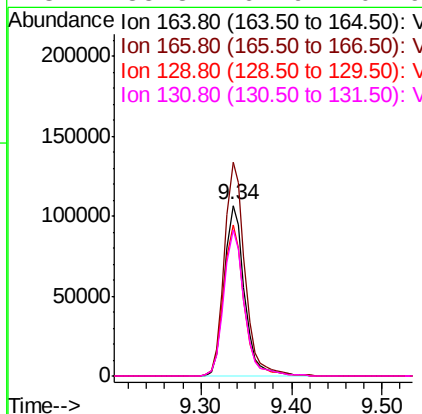
Instrument :
MSVOA_X
ClientSampleId :
T11-MW-4-9.0-092018MS

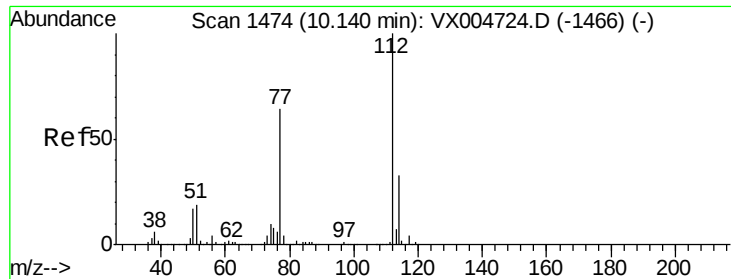
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	47.8	71.6
119	32.5	29.3	43.9



#64
Tetrachloroethene
Concen: 43.612 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004759.D
Acq: 27 Sep 2018 07:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.4	102.8	154.2
129	88.7	69.4	104.0
131	85.8	67.9	101.9

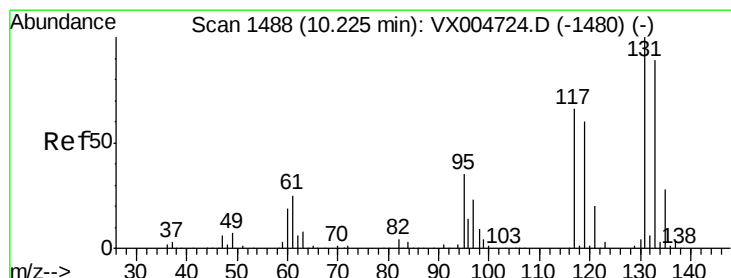
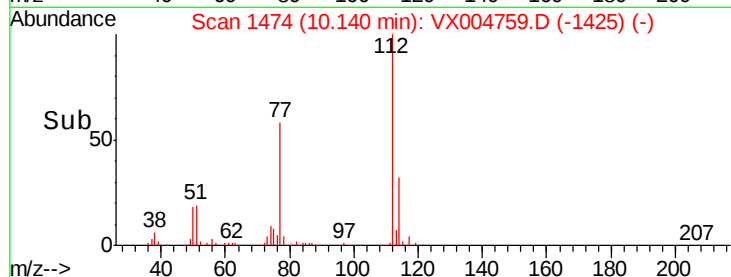
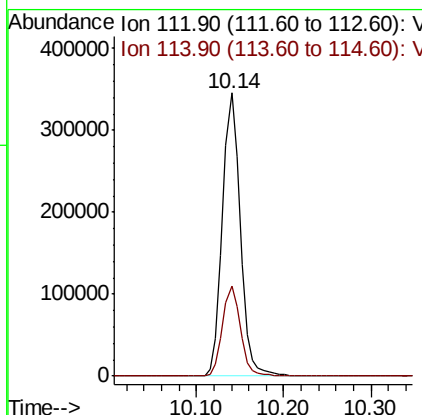
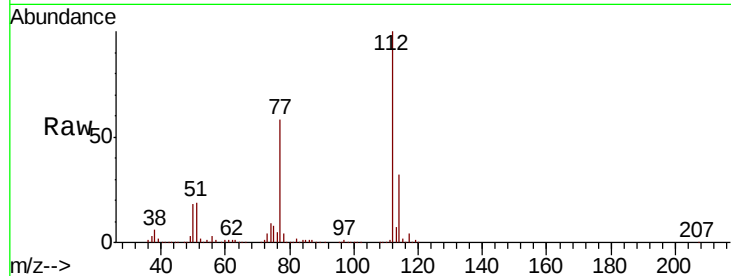




#65
Chlorobenzene
Concen: 49.391 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX004759.D
Acq: 27 Sep 2018 07:45

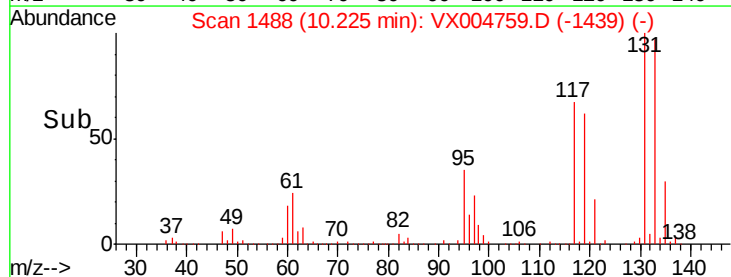
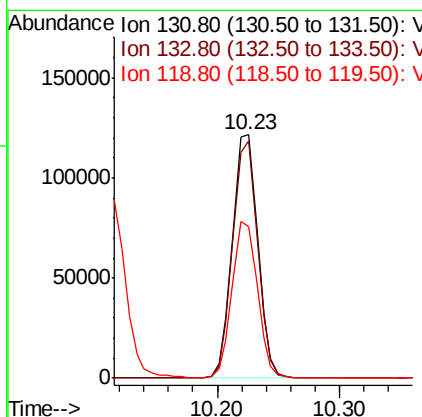
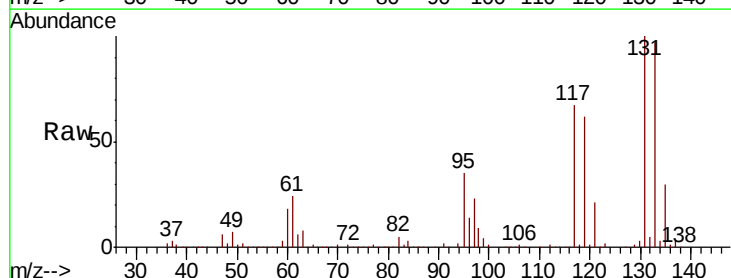
Instrument :
MSVOA_X
ClientSampleId :
T11-MW-4-9.0-092018MS

Tot Ion:112 Resp: 490633
Ion Ratio Lower Upper
112 100
114 31.8 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 50.020 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VX004759.D
Acq: 27 Sep 2018 07:45

Tgt Ion:131 Resp: 174680
Ion Ratio Lower Upper
131 100
133 95.8 48.1 144.4
119 64.3 32.9 98.6





#67

Ethyl Benzene

Concen: 52.419 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VX004759.D

Acq: 27 Sep 2018 07:45

Instrument :

MSVOA_X

ClientSampleId :

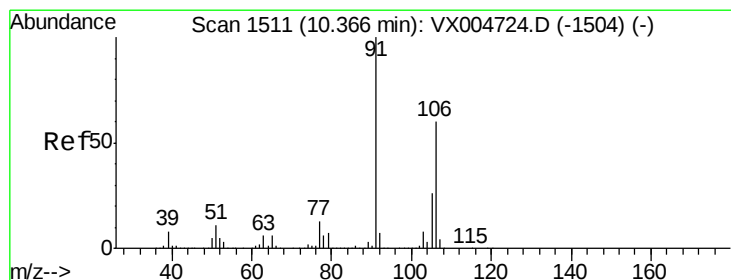
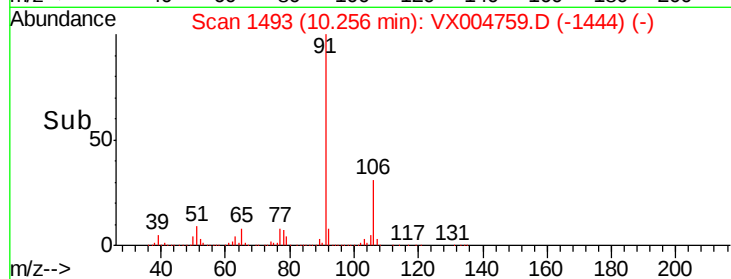
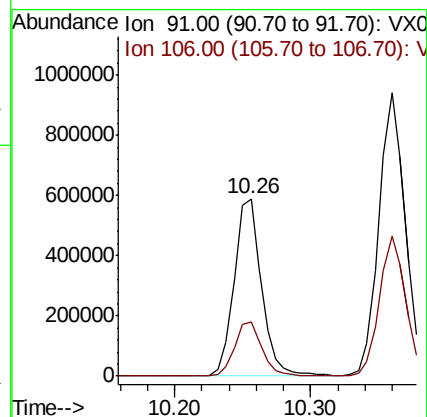
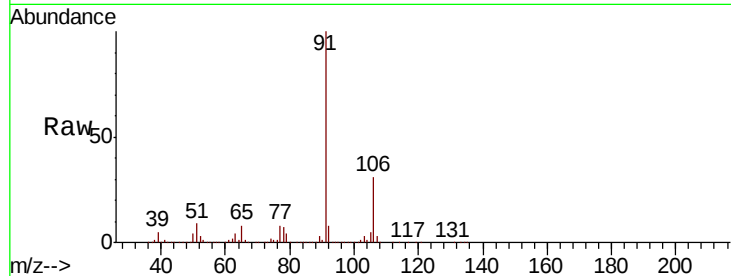
T11-MW-4-9.0-092018MS

Tot Ion: 91 Resp: 826690

Ion Ratio Lower Upper

91 100

106 30.9 25.9 38.9



#68

m/p-Xylenes

Concen: 103.606 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VX004759.D

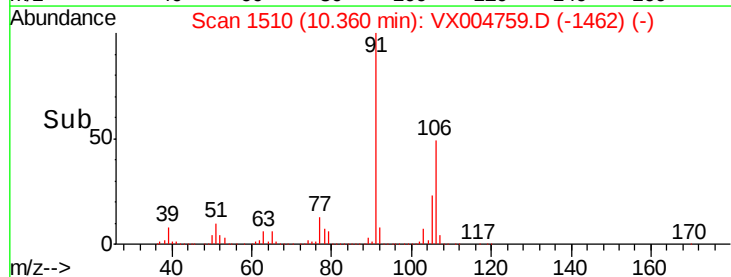
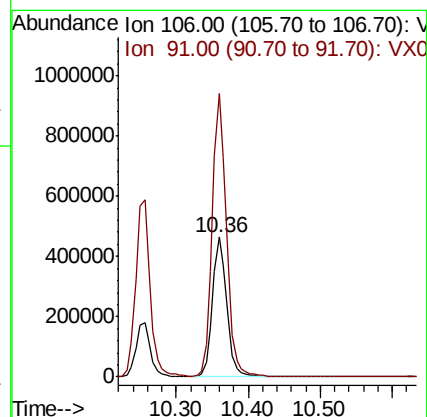
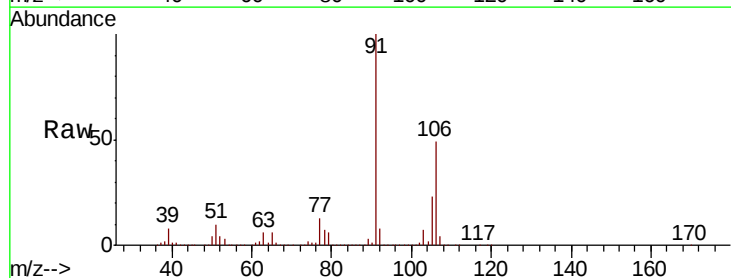
Acq: 27 Sep 2018 07:45

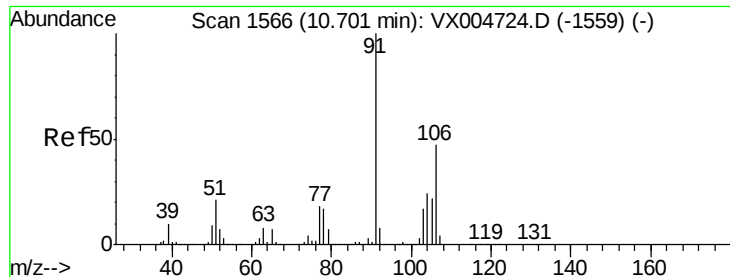
Tgt Ion: 106 Resp: 638499

Ion Ratio Lower Upper

106 100

91 202.7 157.1 235.7

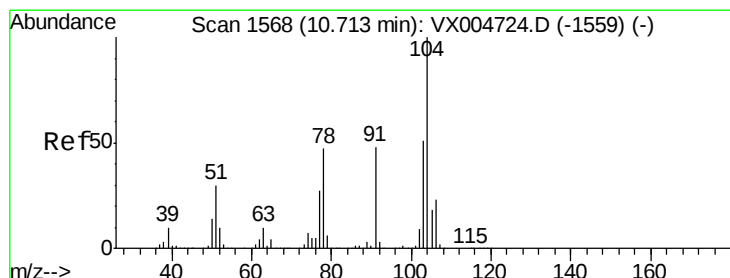
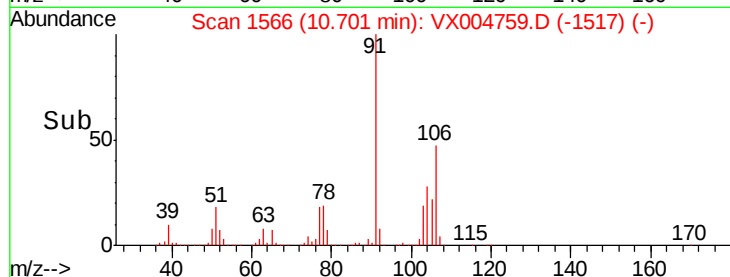
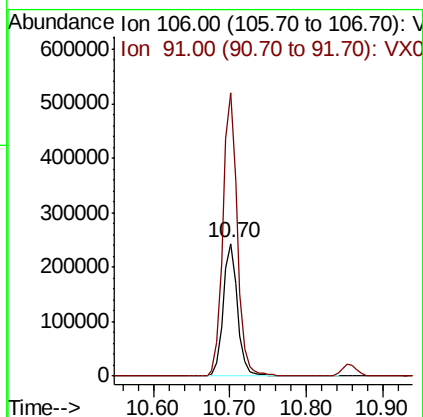
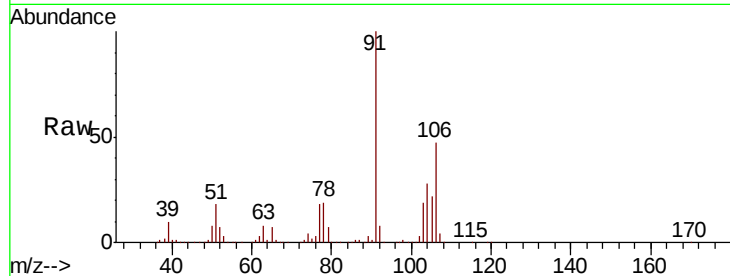




#69
o-Xylene
Concen: 55.452 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004759.D
Acq: 27 Sep 2018 07:45

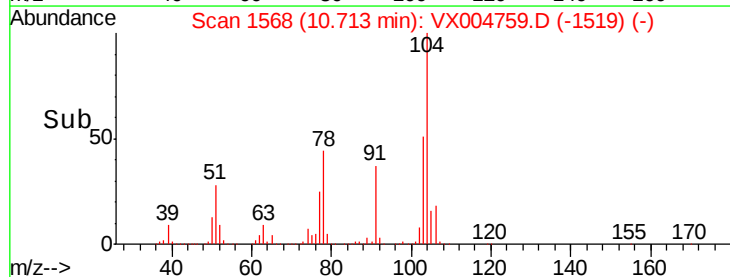
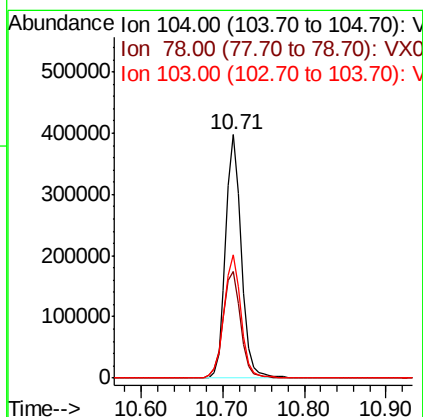
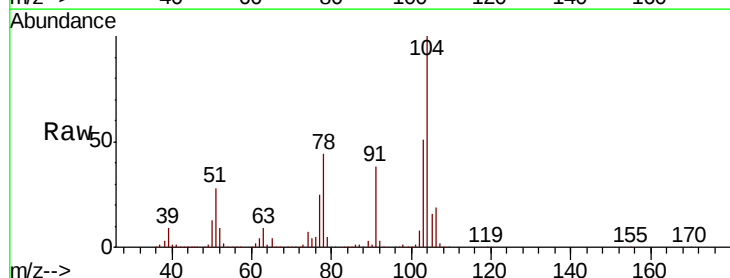
Instrument :
MSVOA_X
ClientSampleId :
T11-MW-4-9.0-092018MS

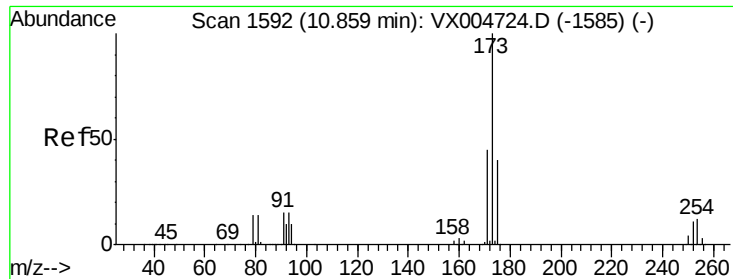
Tot Ion:106 Resp: 313886
Ion Ratio Lower Upper
106 100
91 215.3 105.1 315.1



#70
Styrene
Concen: 49.978 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004759.D
Acq: 27 Sep 2018 07:45

Tgt Ion:104 Resp: 529099
Ion Ratio Lower Upper
104 100
78 49.4 37.4 56.0
103 55.2 43.8 65.6





#71

Bromoform

Concen: 50.306 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX004759.D

Acq: 27 Sep 2018 07:45

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-4-9.0-092018MS

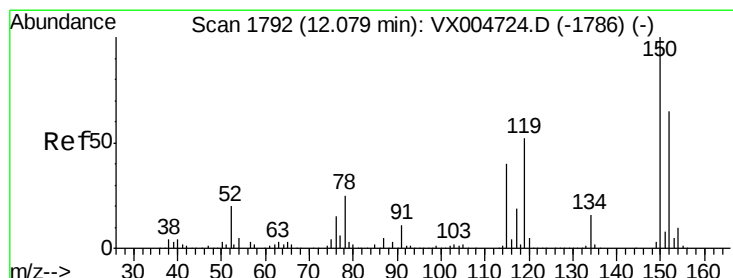
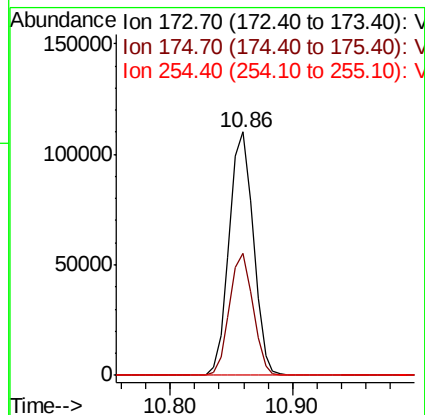
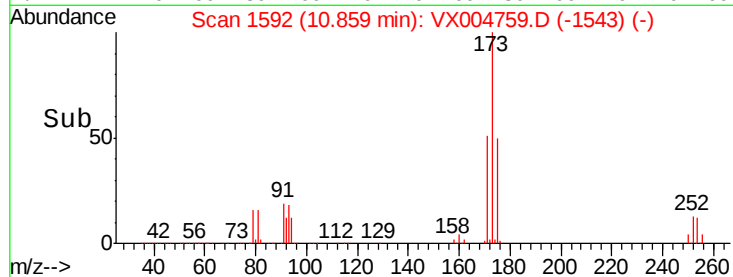
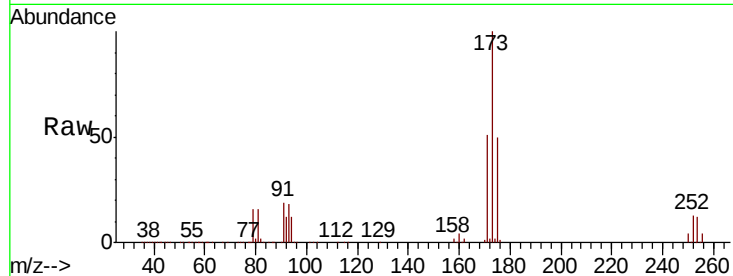
Tot Ion:173 Resp: 150404

Ion Ratio Lower Upper

173 100

175 49.0 24.1 72.3

254 0.2 0.2 0.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004759.D

Acq: 27 Sep 2018 07:45

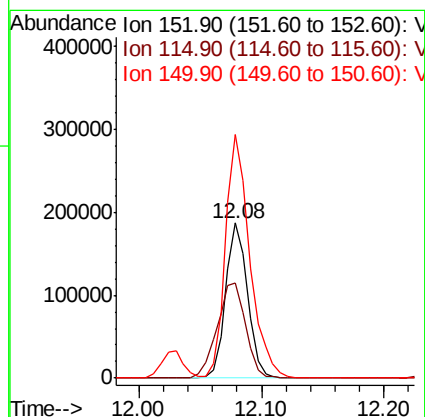
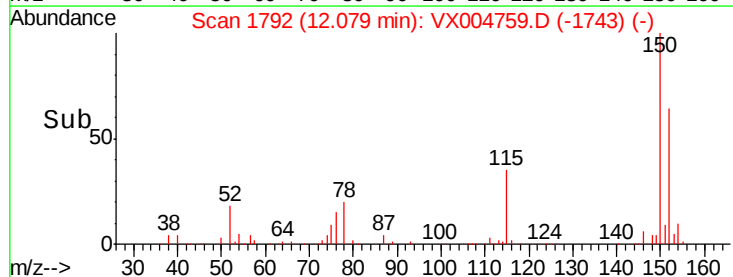
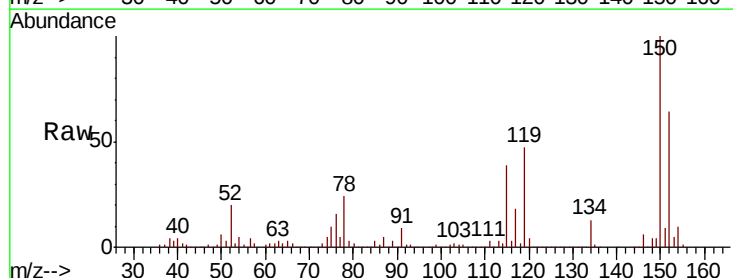
Tgt Ion:152 Resp: 230935

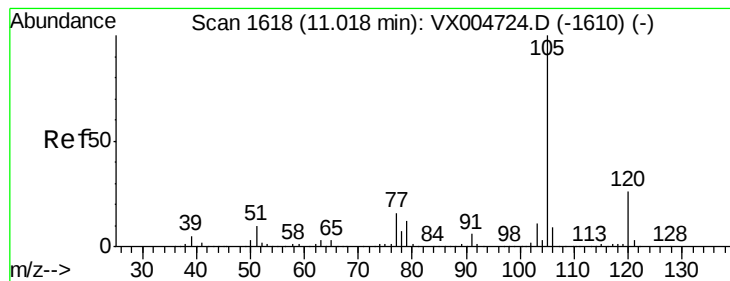
Ion Ratio Lower Upper

152 100

115 79.9 39.0 117.0

150 175.0 0.0 351.0





#73

Isopropylbenzene

Concen: 58.871 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004759.D

Acq: 27 Sep 2018 07:45

Instrument :

MSVOA_X

ClientSampleId :

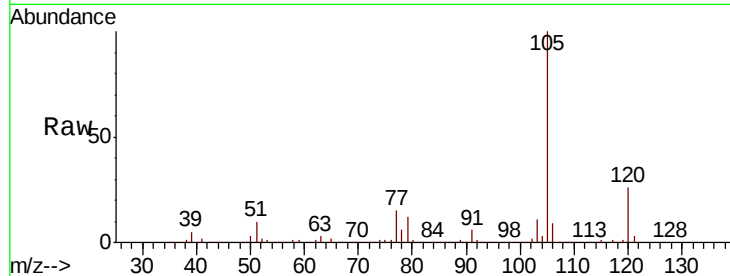
T11-MW-4-9.0-092018MS

Tot Ion:105 Resp: 856936

Ion Ratio Lower Upper

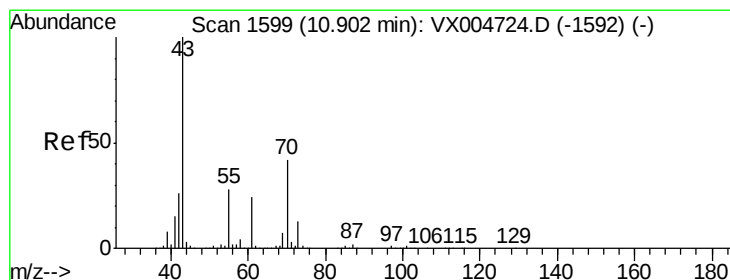
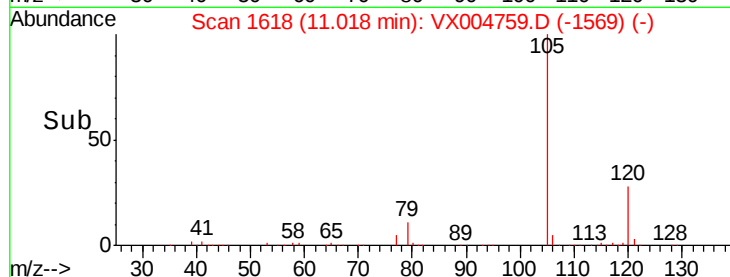
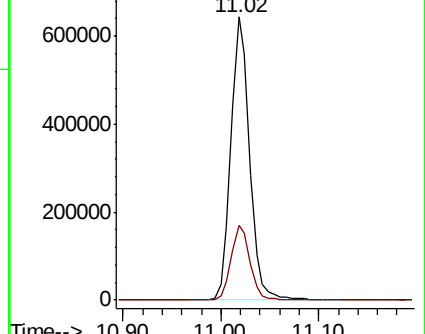
105 100

120 26.7 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.790 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004759.D

Acq: 27 Sep 2018 07:45

Tgt Ion: 43 Resp: 431458

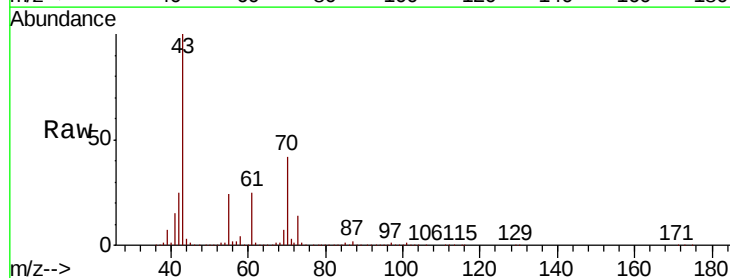
Ion Ratio Lower Upper

43 100

70 40.4 37.4 56.0

55 23.9 21.8 32.8

61 23.8 20.6 30.8

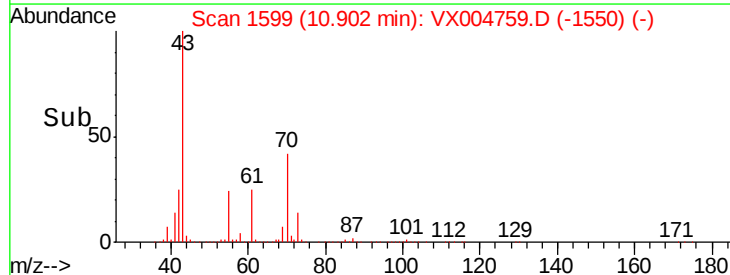
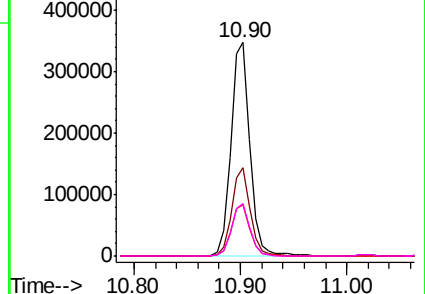


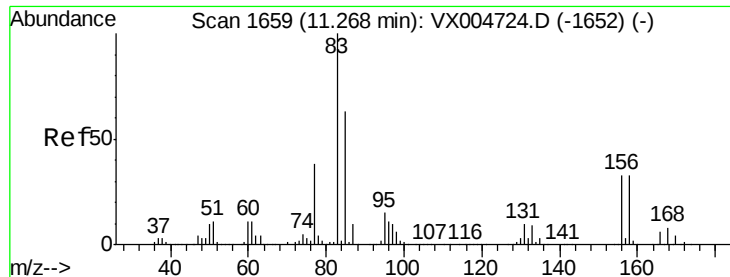
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.047 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004759.D

Acq: 27 Sep 2018 07:45

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-4-9.0-092018MS

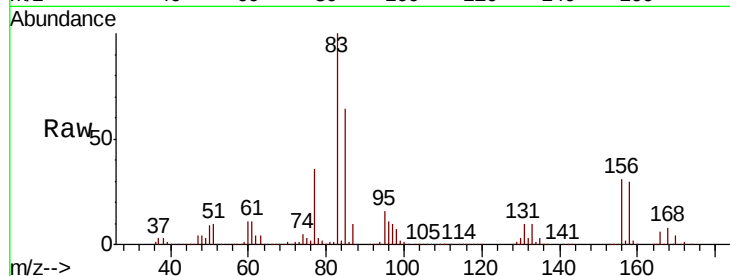
Tot Ion: 83 Resp: 296542

Ion Ratio Lower Upper

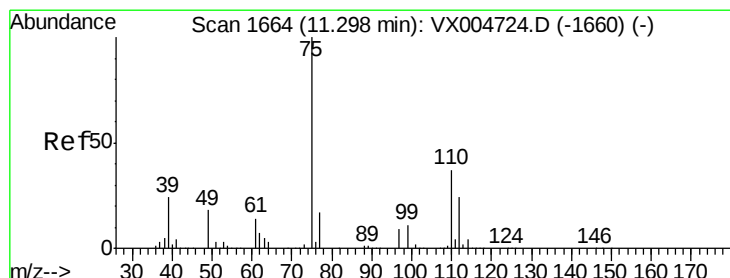
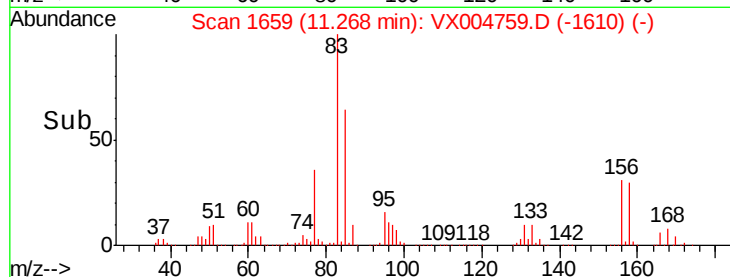
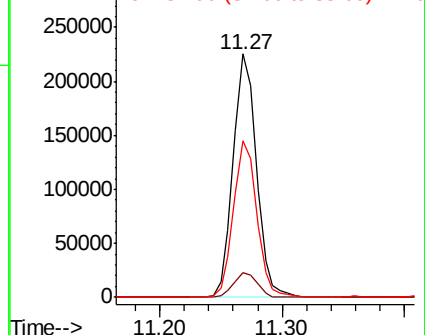
83 100

131 10.2 5.2 15.6

85 64.5 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: 63.353 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX004759.D

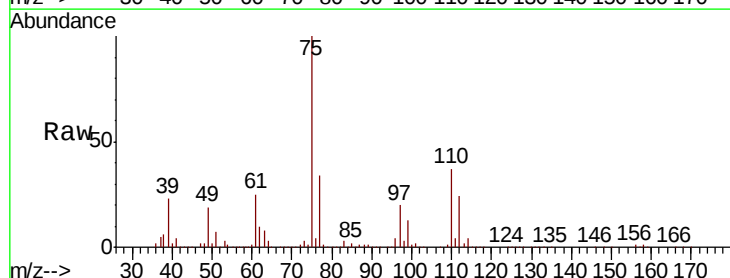
Acq: 27 Sep 2018 07:45

Tgt Ion: 75 Resp: 327919

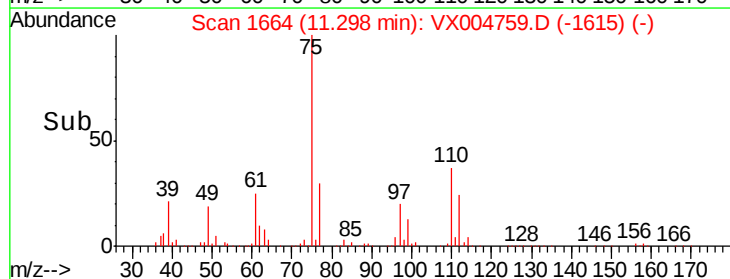
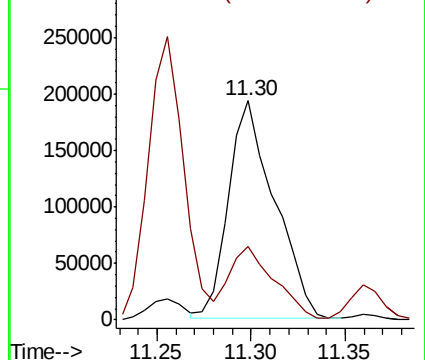
Ion Ratio Lower Upper

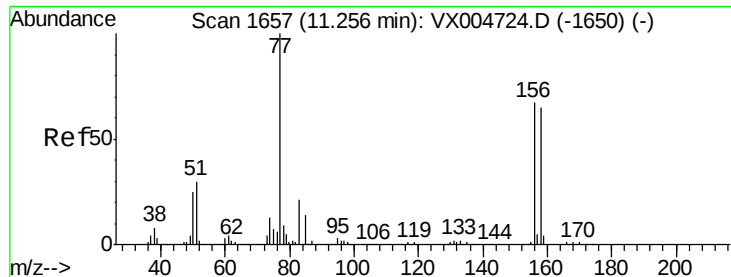
75 100

77 32.8 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: 53.353 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004759.D

Acq: 27 Sep 2018 07:45

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-4-9.0-092018MS

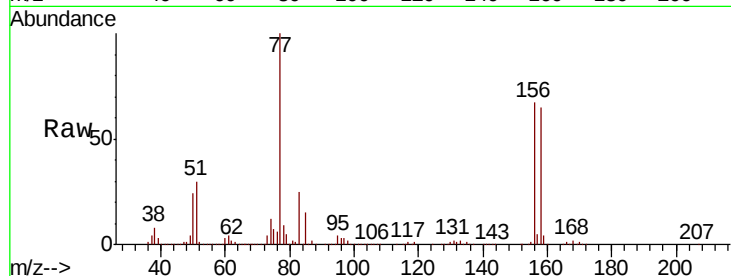
Tot Ion:156 Resp: 225572

Ion Ratio Lower Upper

156 100

77 146.8 71.5 214.3

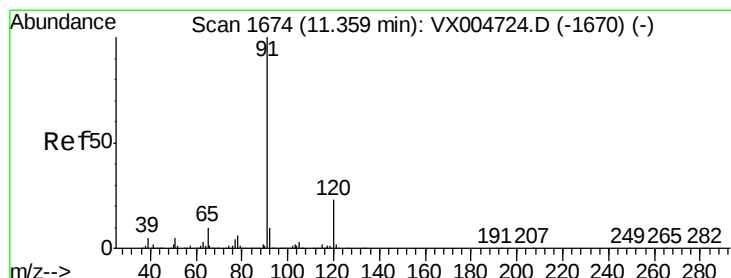
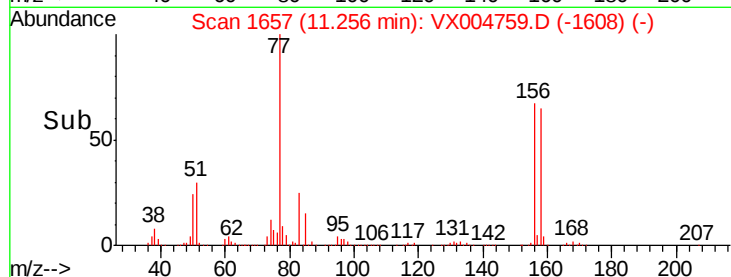
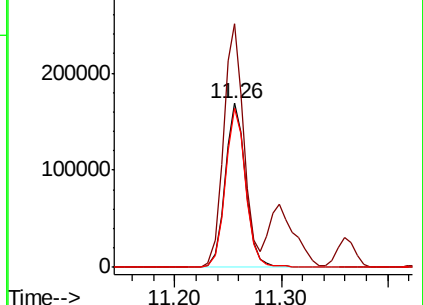
158 97.0 48.9 146.8



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: 57.220 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004759.D

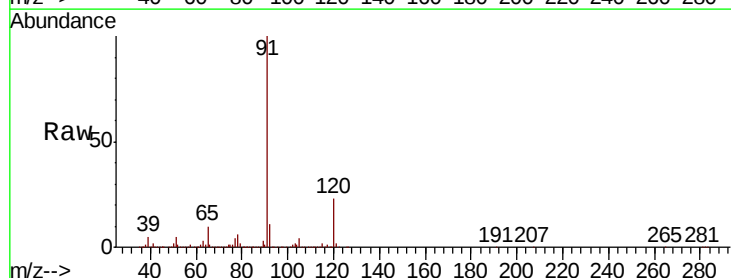
Acq: 27 Sep 2018 07:45

Tgt Ion: 91 Resp: 955655

Ion Ratio Lower Upper

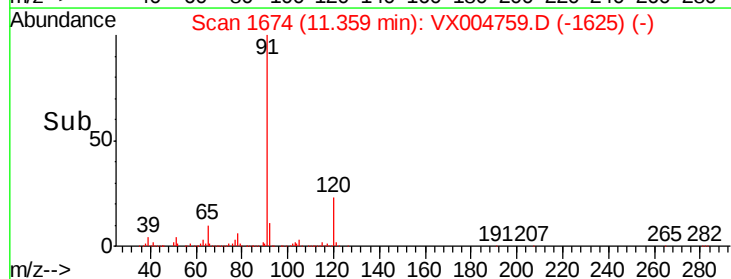
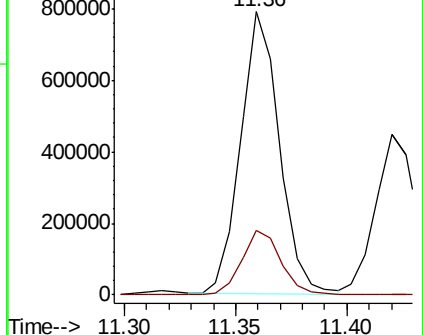
91 100

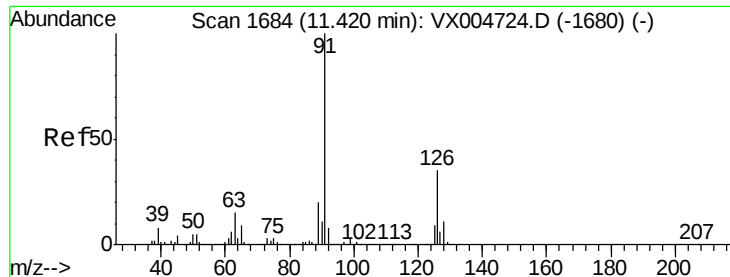
120 23.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.548 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004759.D

Acq: 27 Sep 2018 07:45

Instrument :

MSVOA_X

ClientSampleId :

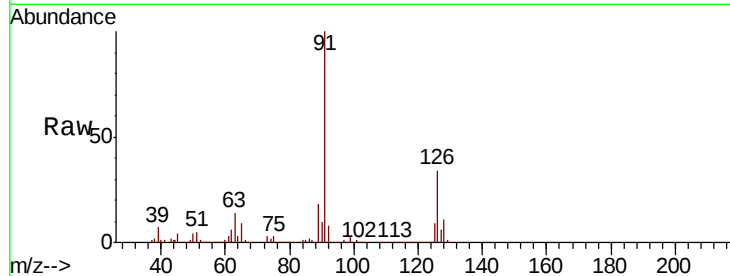
T11-MW-4-9.0-092018MS

Tot Ion: 91 Resp: 567867

Ion Ratio Lower Upper

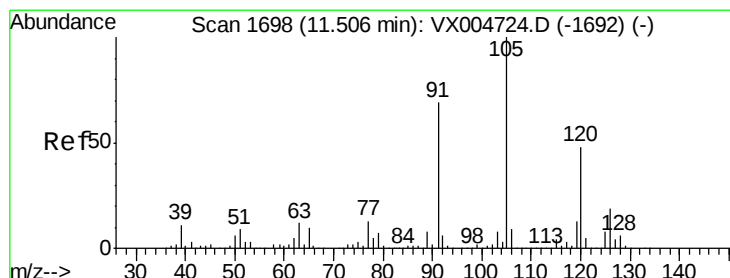
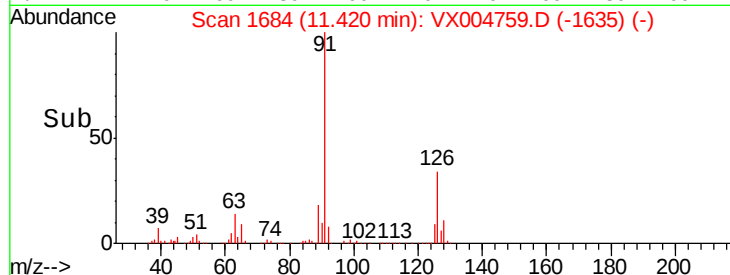
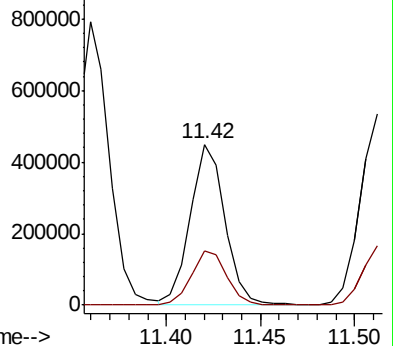
91 100

126 34.9 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VX004724.D (-1680) (-)

Ion 125.90 (125.60 to 126.60): VX004724.D (-1680) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.058 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004759.D

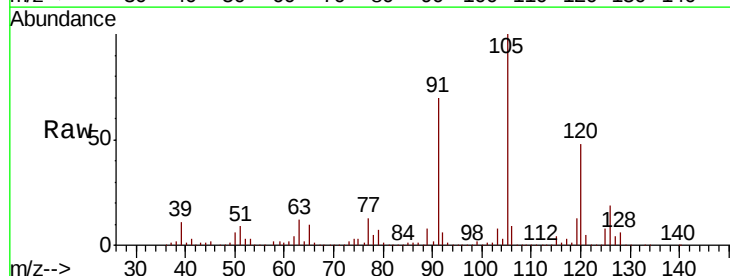
Acq: 27 Sep 2018 07:45

Tgt Ion:105 Resp: 694407

Ion Ratio Lower Upper

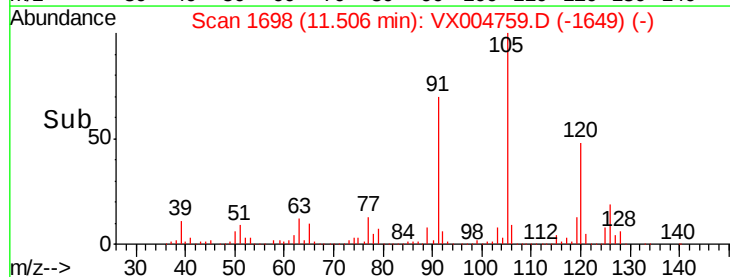
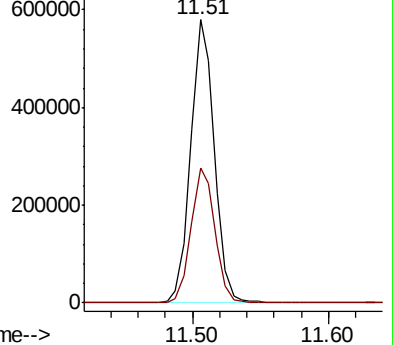
105 100

120 48.4 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX004724.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX004724.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 40.267 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX004759.D

Acq: 27 Sep 2018 07:45

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-4-9.0-092018MS

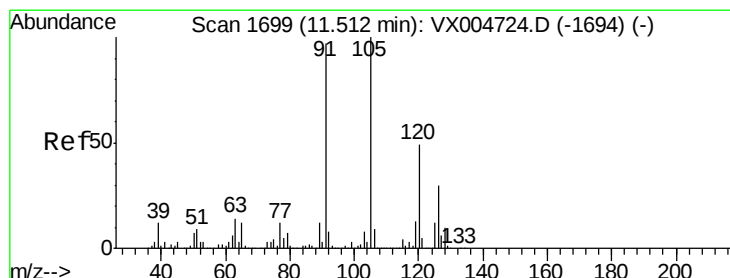
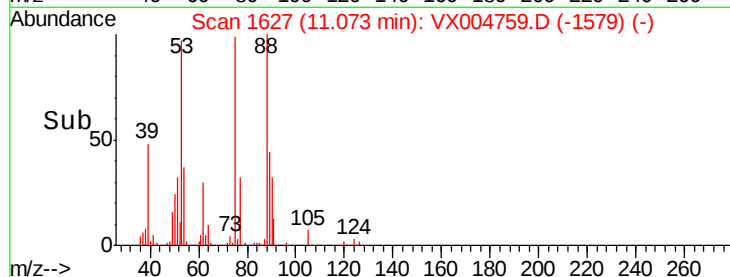
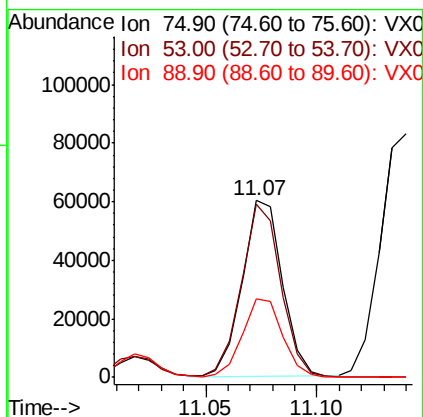
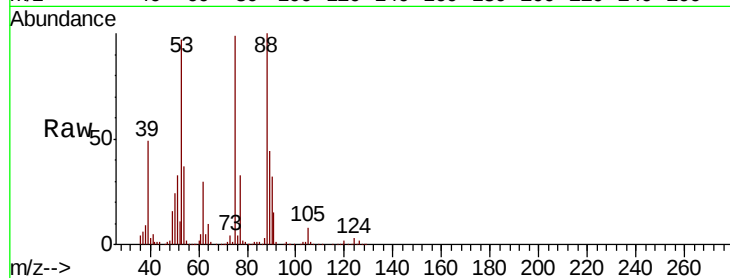
Tot Ion: 75 Resp: 75655

Ion Ratio Lower Upper

75 100

53 96.9 80.1 120.1

89 44.8 37.2 55.8



#82

4-Chlorotoluene

Concen: 53.971 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX004759.D

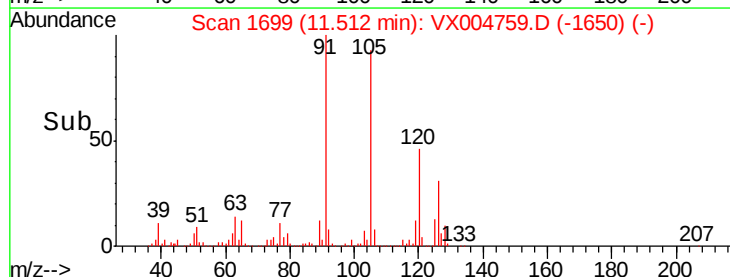
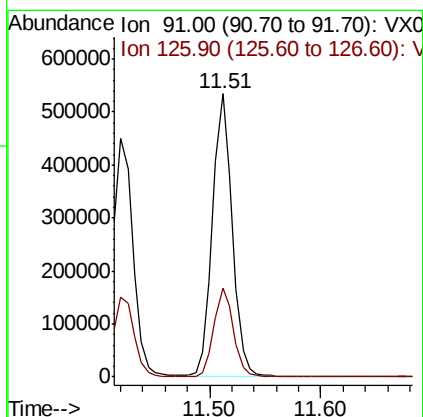
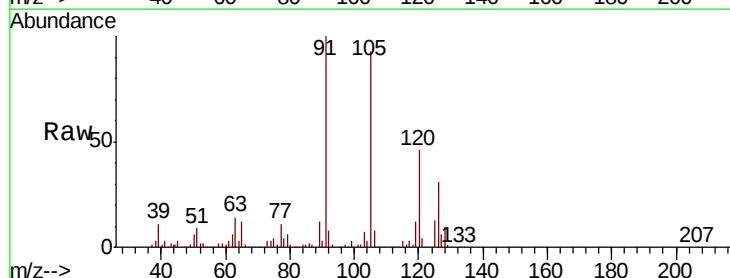
Acq: 27 Sep 2018 07:45

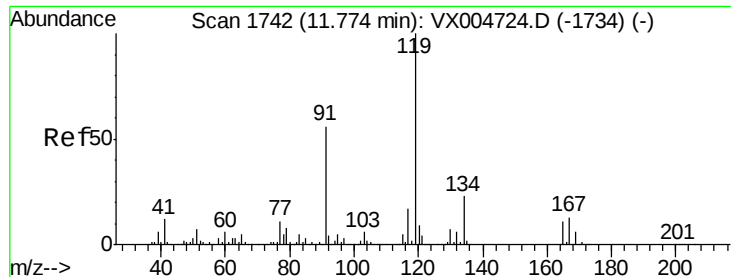
Tgt Ion: 91 Resp: 661325

Ion Ratio Lower Upper

91 100

126 30.9 15.5 46.5

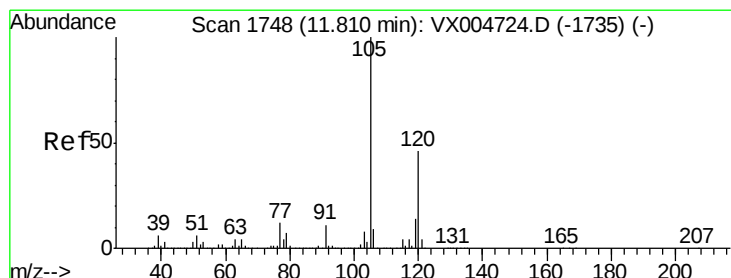
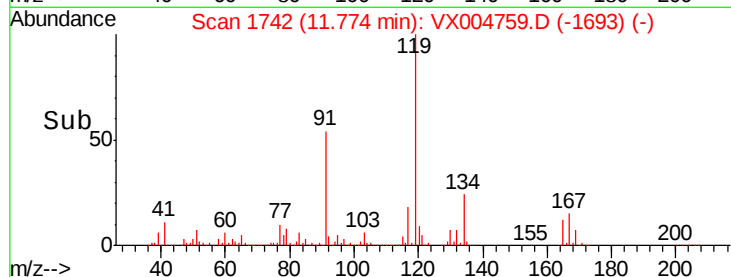
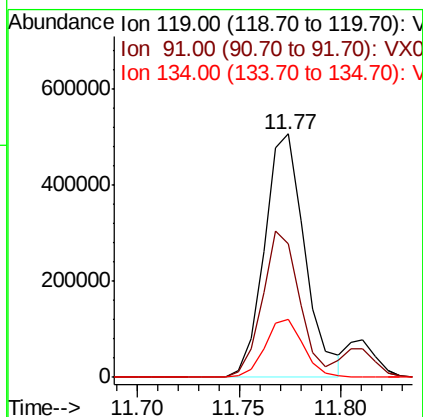
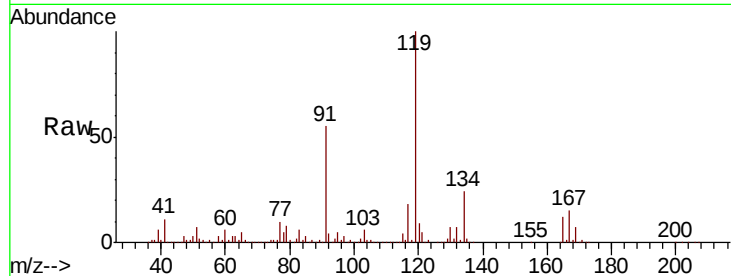




#83
 tert-Butylbenzene
 Concen: 58.258 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX004759.D
 Acq: 27 Sep 2018 07:45

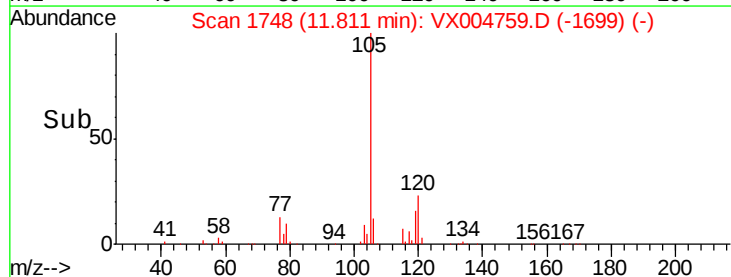
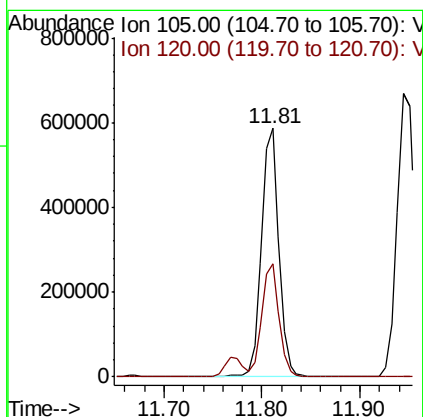
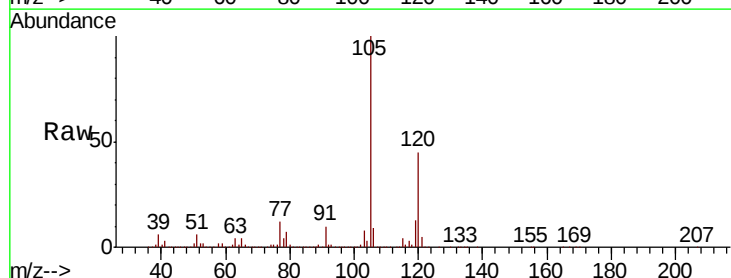
Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-4-9.0-092018MS

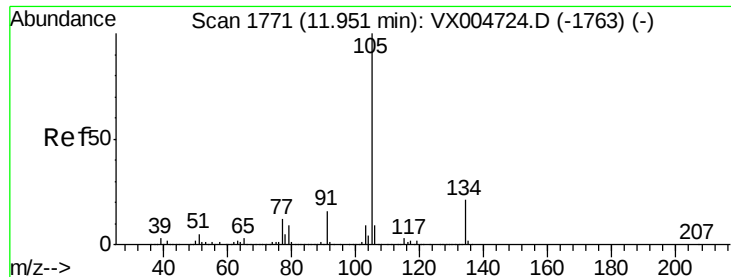
Tot Ion:119 Resp: 698192
 Ion Ratio Lower Upper
 119 100
 91 55.4 27.0 81.0
 134 22.8 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 52.361 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004759.D
 Acq: 27 Sep 2018 07:45

Tgt Ion:105 Resp: 720274
 Ion Ratio Lower Upper
 105 100
 120 45.0 23.2 69.6





#85

sec-Butylbenzene

Concen: 58.523 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004759.D

Acq: 27 Sep 2018 07:45

Instrument :

MSVOA_X

ClientSampleId :

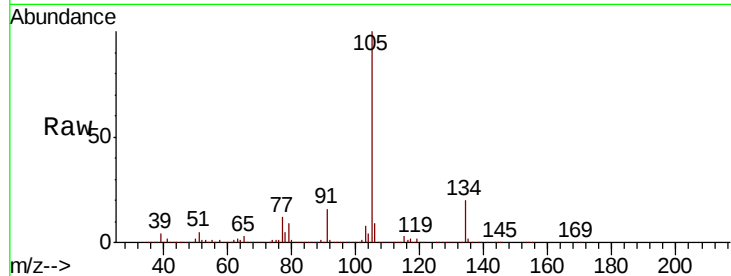
T11-MW-4-9.0-092018MS

Tot Ion:105 Resp: 854300

Ion Ratio Lower Upper

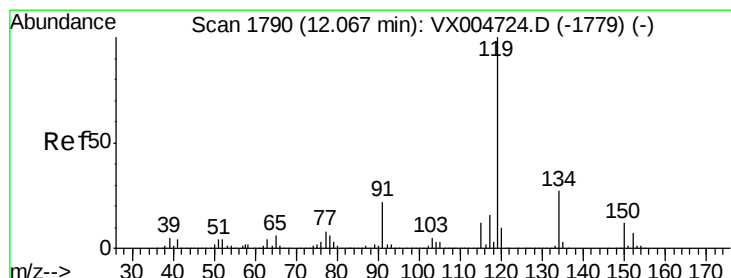
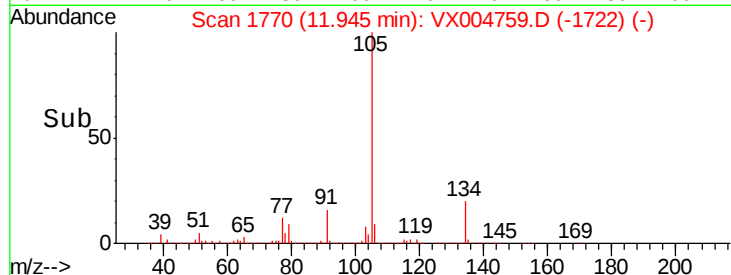
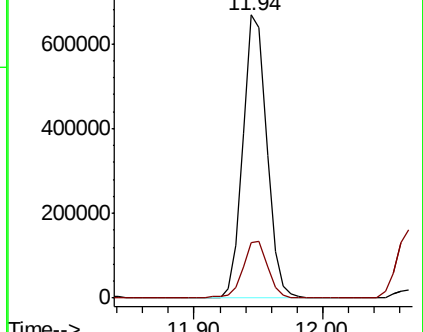
105 100

134 21.0 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.740 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004759.D

Acq: 27 Sep 2018 07:45

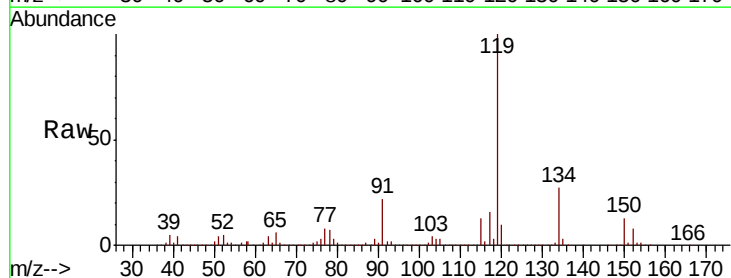
Tgt Ion:119 Resp: 723966

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

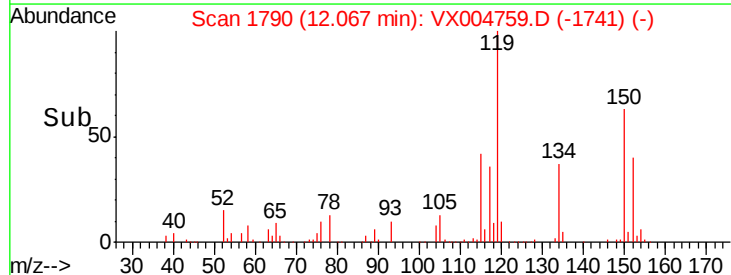
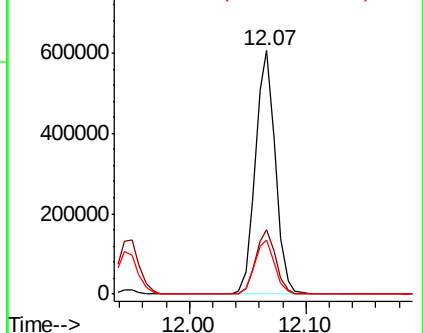
91 22.5 10.9 32.7

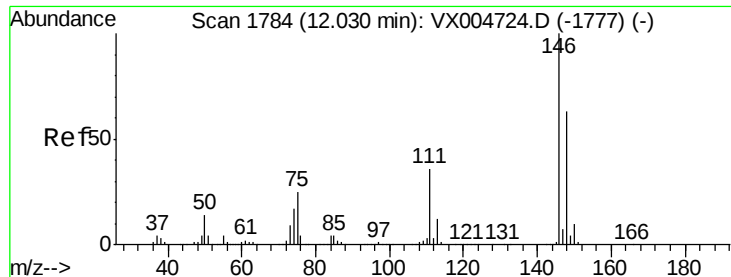


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 51.237 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VX004759.D

Acq: 27 Sep 2018 07:45

Instrument :

MSVOA_X

ClientSampleId :

T11-MW-4-9.0-092018MS

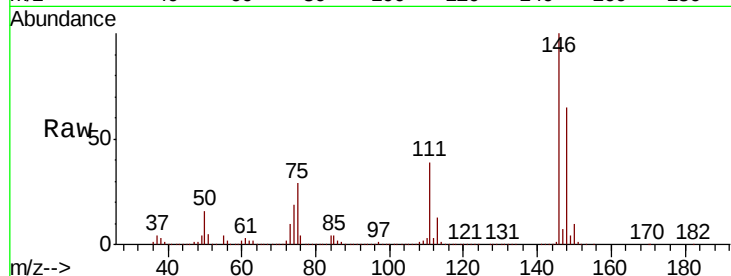
Tot Ion:146 Resp: 404502

Ion Ratio Lower Upper

146 100

111 38.0 18.7 56.1

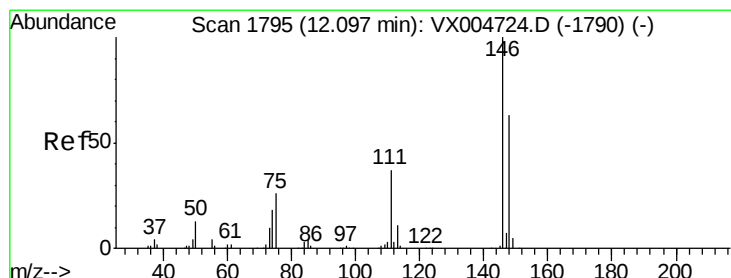
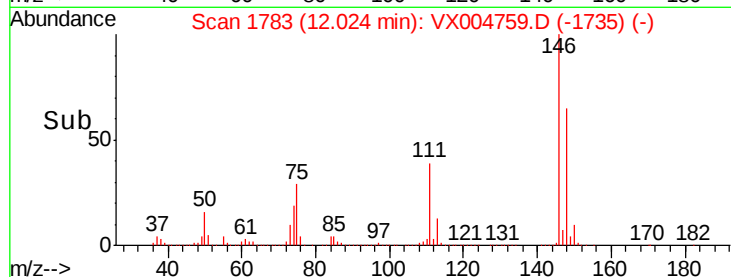
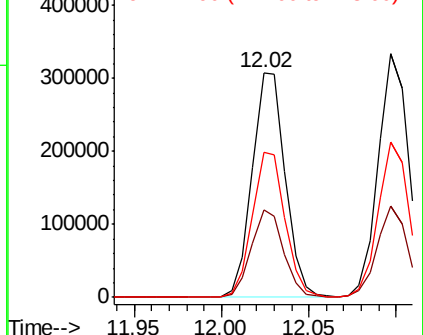
148 64.2 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 50.329 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX004759.D

Acq: 27 Sep 2018 07:45

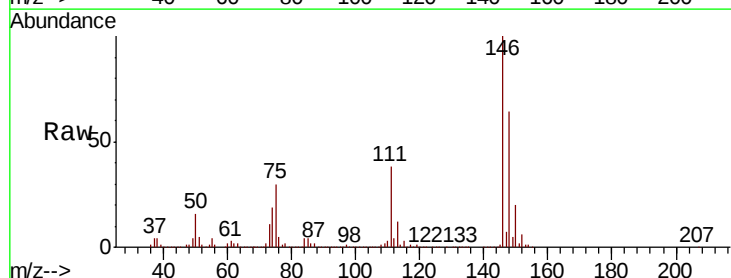
Tgt Ion:146 Resp: 410165

Ion Ratio Lower Upper

146 100

111 37.1 18.1 54.1

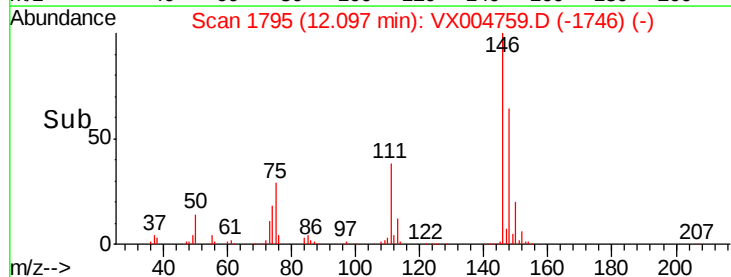
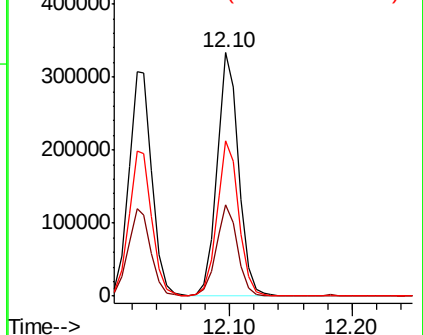
148 64.1 32.0 96.0

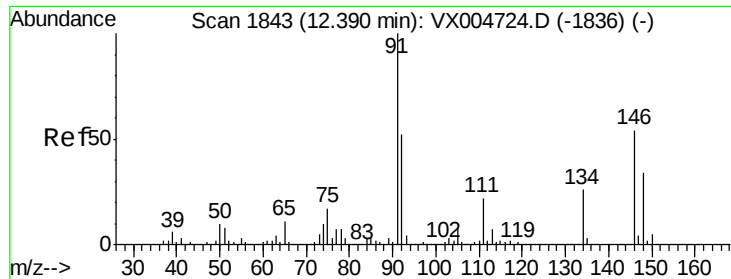


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

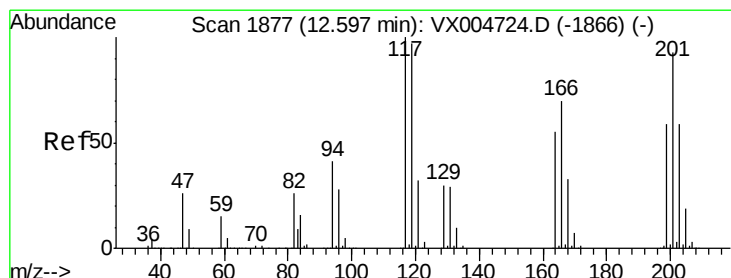
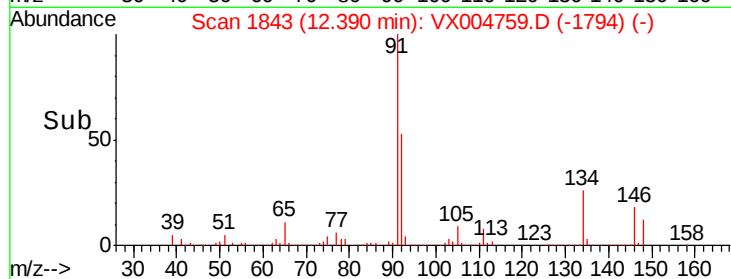
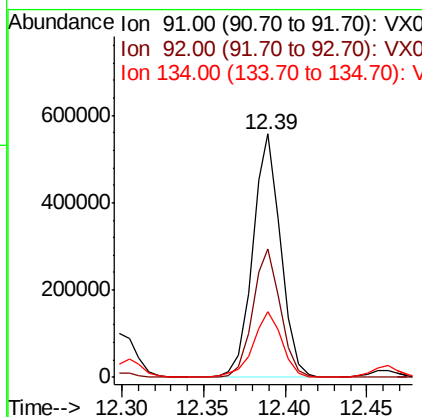
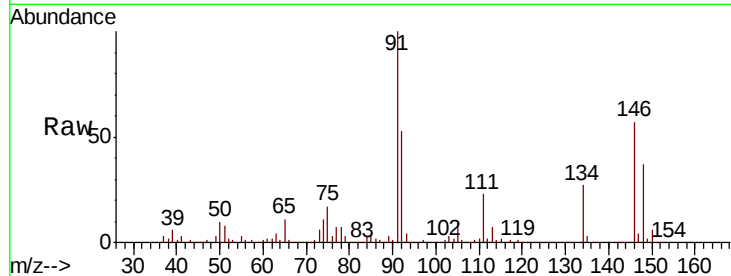




#89
n-Butylbenzene
Concen: 54.951 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004759.D
Acq: 27 Sep 2018 07:45

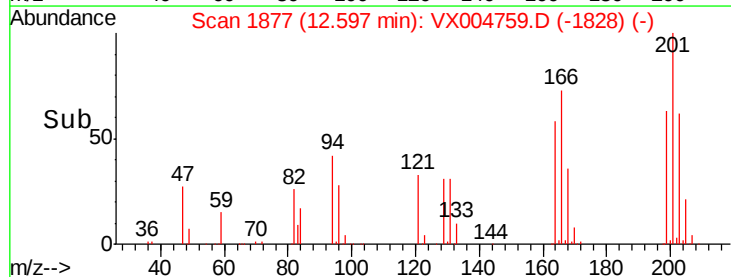
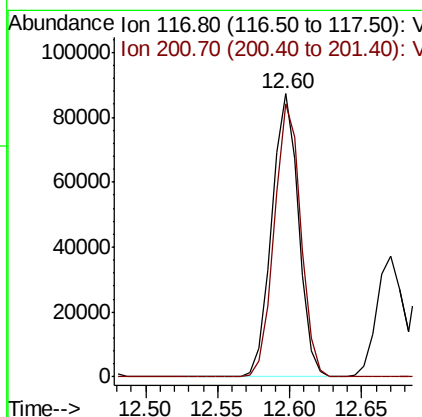
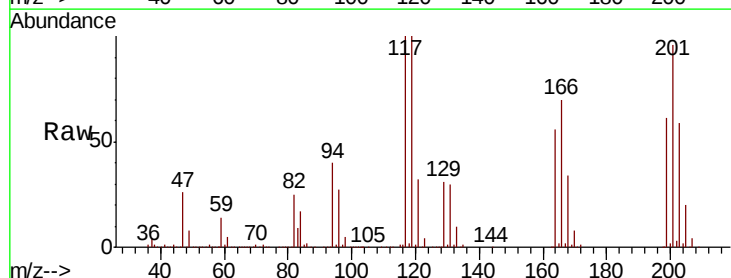
Instrument :
MSVOA_X
ClientSampleId :
T11-MW-4-9.0-092018MS

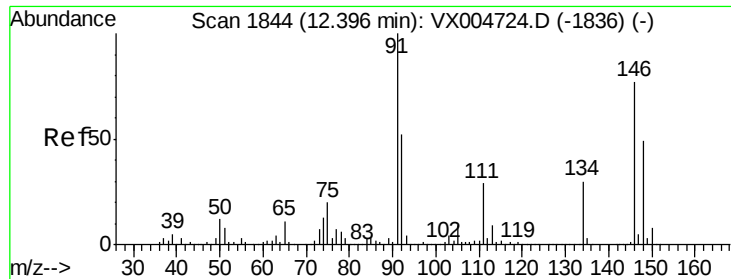
Tot Ion: 91 Resp: 660031
Ion Ratio Lower Upper
91 100
92 52.0 27.3 81.9
134 28.1 13.6 40.7



#90
Hexachloroethane
Concen: 51.182 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX004759.D
Acq: 27 Sep 2018 07:45

Tgt Ion: 117 Resp: 112703
Ion Ratio Lower Upper
117 100
201 96.1 46.9 140.6

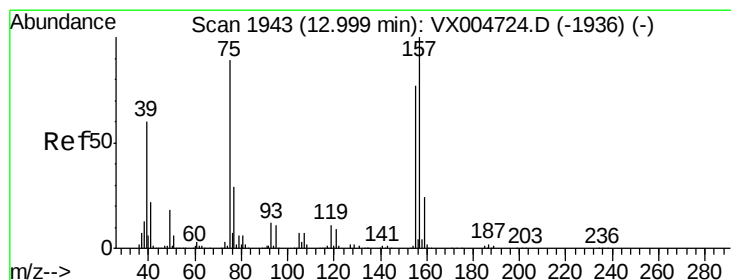
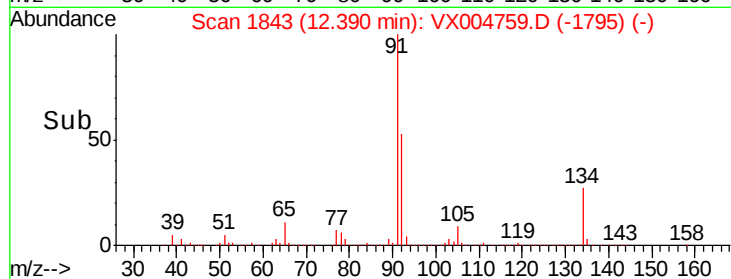
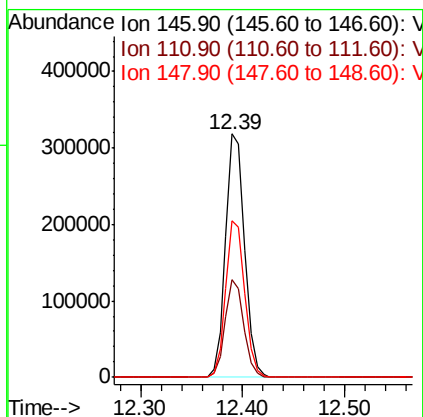
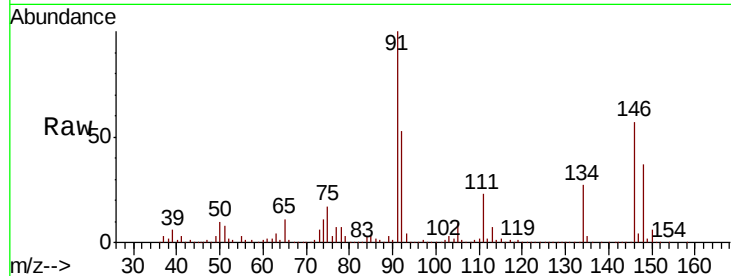




#91
 1,2-Dichlorobenzene
 Concen: 49.845 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: VX004759.D
 Acq: 27 Sep 2018 07:45

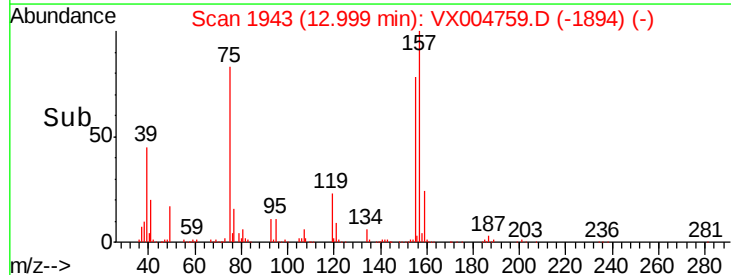
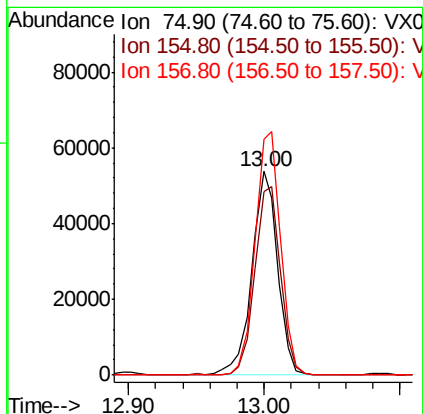
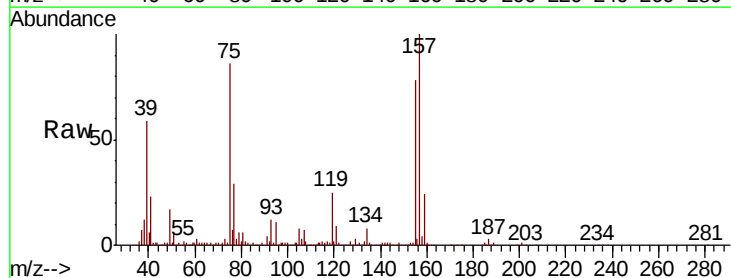
Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-4-9.0-092018MS

Tot Ion:146 Resp: 411239
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.4 58.1
 148 64.2 32.8 98.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.981 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX004759.D
 Acq: 27 Sep 2018 07:45

Tgt Ion: 75 Resp: 71531
 Ion Ratio Lower Upper
 75 100
 155 92.8 48.0 144.2
 157 118.5 61.4 184.1

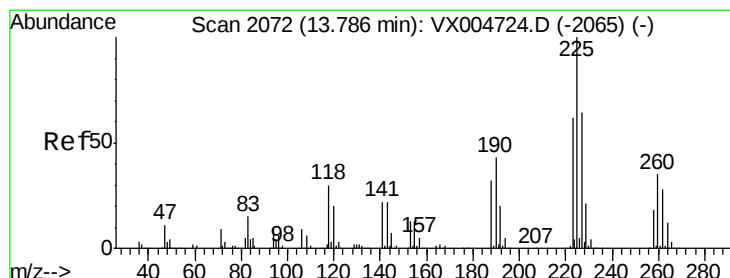
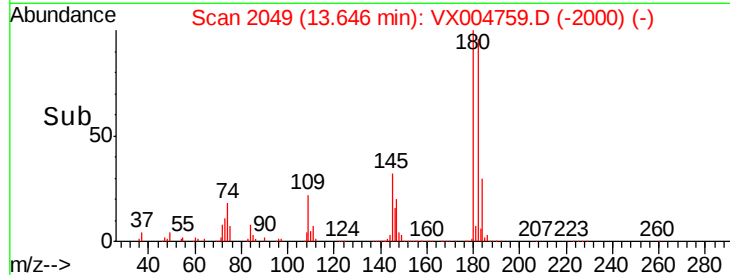
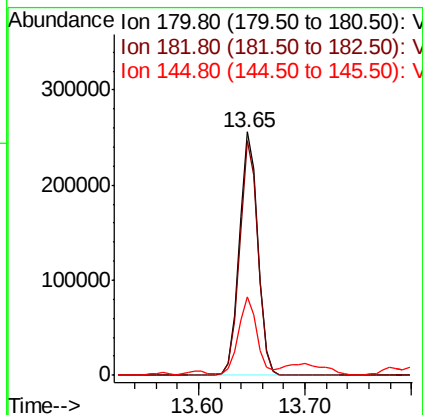
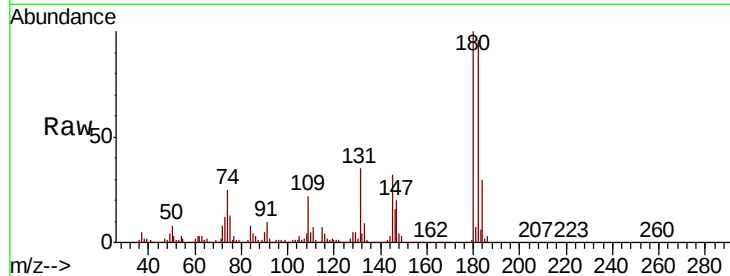




#93
 1,2,4-Trichlorobenzene
 Concen: 53.558 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004759.D
 Acq: 27 Sep 2018 07:45

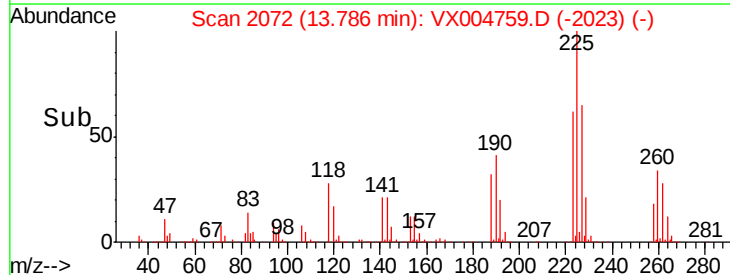
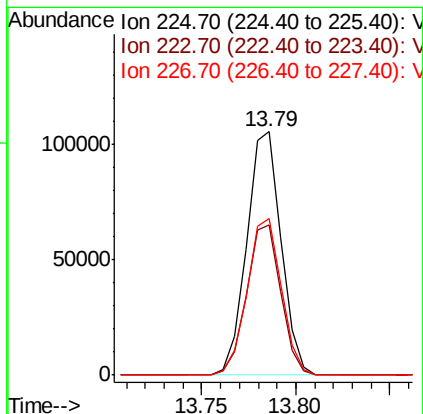
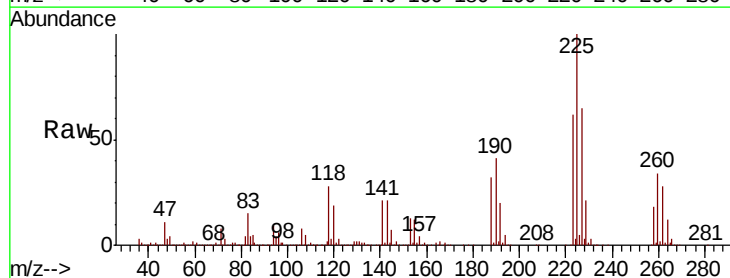
Instrument :
 MSVOA_X
 ClientSampleId :
 T11-MW-4-9.0-092018MS

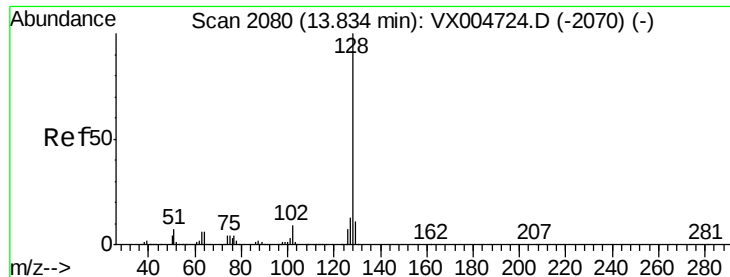
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.4	145.0
145	32.3	14.3	42.9



#94
 Hexachlorobutadiene
 Concen: 44.496 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004759.D
 Acq: 27 Sep 2018 07:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	30.1	90.5
227	64.3	30.8	92.4





#95

Naphthalene

Concen: 54.229 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004759.D

Acq: 27 Sep 2018 07:45

Instrument :

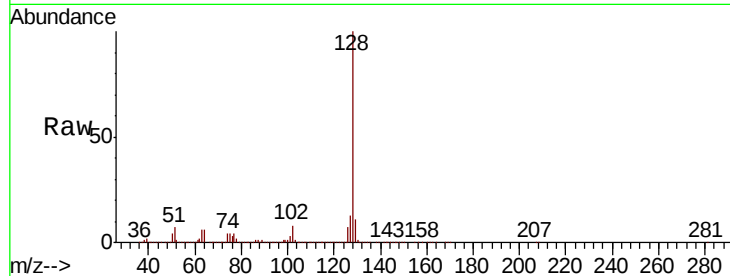
MSVOA_X

ClientSampleId :

T11-MW-4-9.0-092018MS

Tot Ion:128 Resp: 1042889

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.3	8.6	12.8

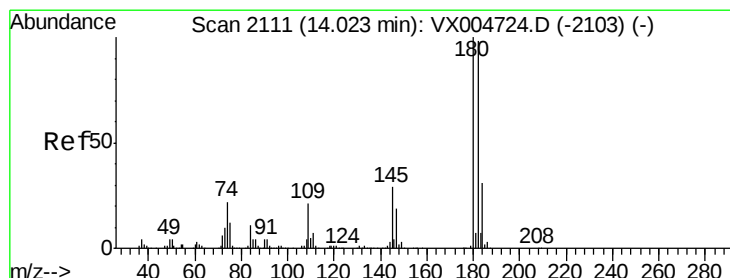
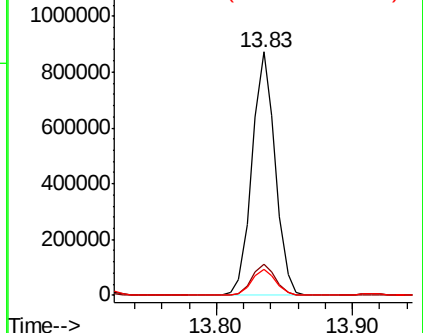
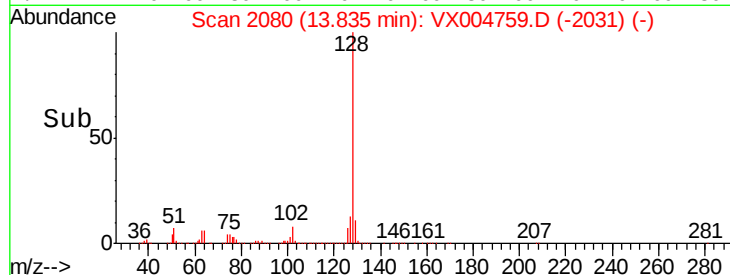


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 53.125 ug/l

RT: 14.02 min Scan# 2111

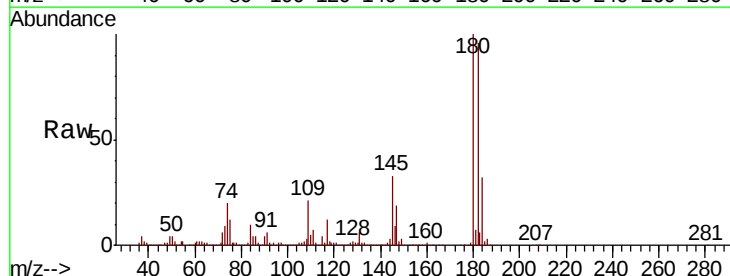
Delta R.T. 0.00 min

Lab File: VX004759.D

Acq: 27 Sep 2018 07:45

Tgt Ion:180 Resp: 317611

Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.5	145.6
145	32.4	14.9	44.9



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

