

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100818\
 Data File : VX005132.D
 Acq On : 08 Oct 2018 17:22
 Operator : JC/MD
 Sample : J5268-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Quant Time: Oct 09 05:55:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	201674	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	308116	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	303658	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	182318	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	136687	47.45	ug/l	0.00
Spiked Amount			Recovery	=	94.90%	
35) Dibromofluoromethane	5.51	113	119020	45.58	ug/l	0.00
Spiked Amount			Recovery	=	91.16%	
50) Toluene-d8	8.72	98	453974	52.29	ug/l	0.00
Spiked Amount			Recovery	=	104.58%	
62) 4-Bromofluorobenzene	11.14	95	174025	55.64	ug/l	0.00
Spiked Amount			Recovery	=	111.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.30	50	11546	3.461	ug/l #	68
6) Chloroethane	1.70	64	513	Below Cal	#	81
11) Tert butyl alcohol	3.02	59	6542	8.121	ug/l #	72
13) Acrolein	2.26	56	22176	38.693	ug/l #	1
14) Allyl chloride	2.78	41	68571	14.382	ug/l #	64
15) Acrylonitrile	3.17	53	54584	30.781	ug/l #	42
16) Acetone	2.45	43	92080	54.746	ug/l	95
18) Methyl Acetate	2.84	43	998095	234.220	ug/l #	54
20) Methylene Chloride	2.84	84	4046	0.829	ug/l #	1
23) Vinyl Acetate	3.81	43	10936	1.488	ug/l #	79
25) 2-Butanone	4.70	43	64840	26.153	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	2624	0.982	ug/l	82
29) Tetrahydrofuran	5.16	42	323	0.210	ug/l #	34
30) Chloroform	5.27	83	33149	7.324	ug/l #	29
31) Cyclohexane	5.57	56	322531	87.990	ug/l #	90
36) 1,1-Dichloropropene	5.66	75	12932	3.630	ug/l #	46
37) Ethyl Acetate	4.89	43	2115	0.447	ug/l #	1
38) Carbon Tetrachloride	5.67	117	17720	4.731	ug/l #	16
39) Methylcyclohexane	7.46	83	301522	82.881	ug/l	86
40) Benzene	6.15	78	273503	24.521	ug/l	95
41) Methacrylonitrile	5.07	41	7030	2.680	ug/l #	49
42) 1,2-Dichloroethane	6.14	62	2553	0.647	ug/l #	73
43) Isopropyl Acetate	6.46	43	15253	2.235	ug/l #	64
44) Trichloroethene	7.21	130	5829	2.126	ug/l	93
45) 1,2-Dichloropropane	7.46	63	3956	1.446	ug/l #	1
46) Dibromomethane	7.63	93	797	0.464	ug/l #	1
47) Bromodichloromethane	7.85	83	2908	0.904	ug/l #	95
48) Methyl methacrylate	7.73	41	30769	9.931	ug/l #	50
51) 4-Methyl-2-Pentanone	8.66	43	8238	1.917	ug/l #	71
52) Toluene	8.79	92	306573	50.020	ug/l	98
55) 1,1,2-Trichloroethane	9.16	97	33895	12.625	ug/l #	18
56) Ethyl methacrylate	9.16	69	8425	4.685	ug/l #	20
58) 2-Chloroethyl Vinyl ether	8.37	63	493	14.443	ug/l #	49
59) 2-Hexanone	9.52	43	7617	2.127	ug/l	88

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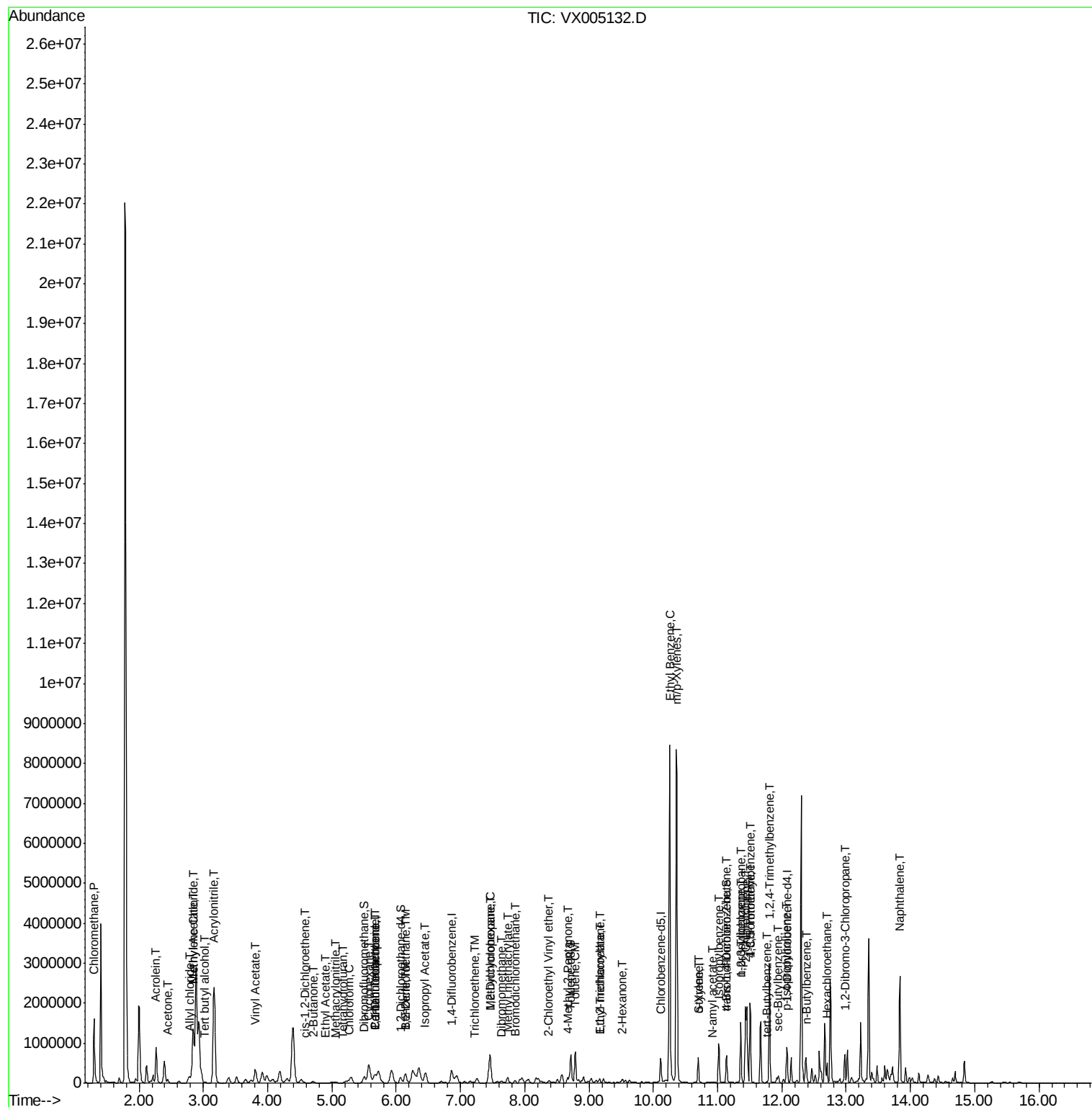
67) Ethyl Benzene	10.26	91	5031145	406.976	uq/l	98
68) m/p-Xylenes	10.36	106	2009670	416.009	uq/l	97
69) o-Xylene	10.70	106	135564	30.552	uq/l	100
70) Styrene	10.70	104	10688	3.373	uq/l #	1
73) Isopropylbenzene	11.02	105	512298	44.580	uq/l	99
74) N-amyl acetate	10.91	43	1194	1.930	uq/l #	1
76) 1,2,3-Trichloropropane	11.36	75	5935	1.452	uq/l #	1
78) n-propylbenzene	11.36	91	923679	70.053	uq/l	98
79) 2-Chlorotoluene	11.43	91	213640	25.994	uq/l #	40
80) 1,3,5-Trimethylbenzene	11.51	105	856942	81.485	uq/l	100
81) trans-1,4-Dichloro-2-buten	11.14	75	84766	56.314	uq/l #	9
82) 4-Chlorotoluene	11.51	91	89524	9.254	uq/l #	44
83) tert-Butylbenzene	11.77	119	10606	1.121	uq/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	1375362	126.926	uq/l	100
85) sec-Butylbenzene	11.94	105	83287	7.227	uq/l	100
86) p-Isopropyltoluene	12.07	119	26448	2.533	uq/l #	77
89) n-Butylbenzene	12.39	91	119491	12.601	uq/l #	43
90) Hexachloroethane	12.70	117	162126	93.260	uq/l #	1
92) 1,2-Dibromo-3-Chloropropan	12.98	75	2197	2.139	uq/l #	1
95) Naphthalene	13.83	128	1582235	103.551	uq/l	100

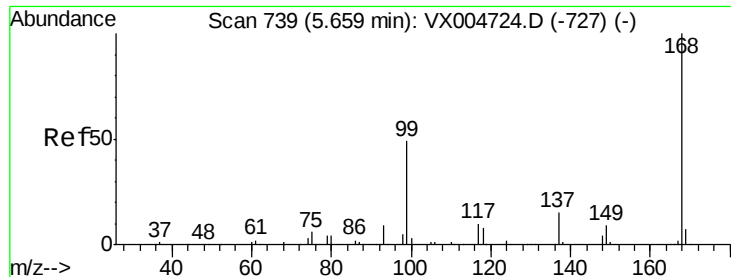
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005132.D

Acq: 08 Oct 2018 17:22

Instrument :

MSVOA_X

ClientSampleId :

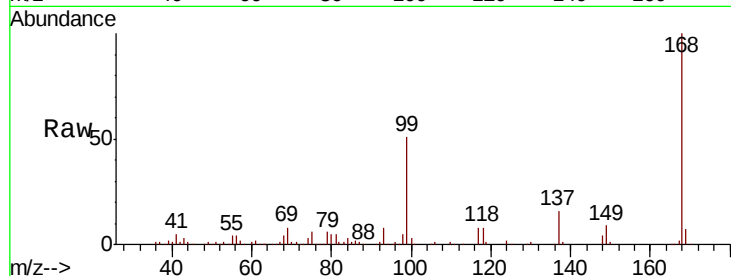
MW-4

Tot Ion:168 Resp: 201674

Ion Ratio Lower Upper

168 100

99 51.3 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

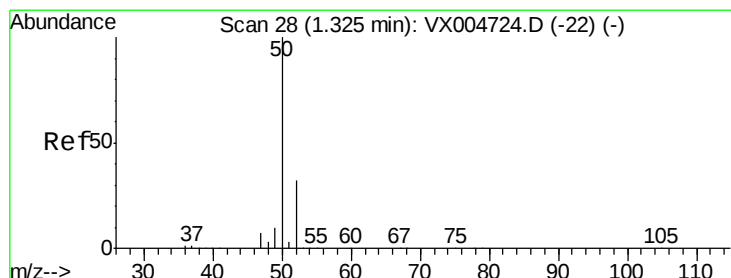
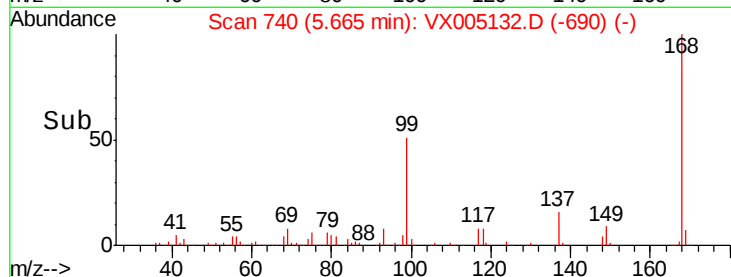
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 3.461 ug/l

RT: 1.30 min Scan# 24

Delta R.T. -0.02 min

Lab File: VX005132.D

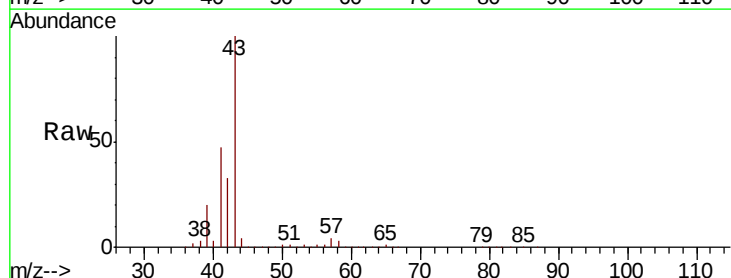
Acq: 08 Oct 2018 17:22

Tgt Ion: 50 Resp: 11546

Ion Ratio Lower Upper

50 100

52 14.3 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

40000

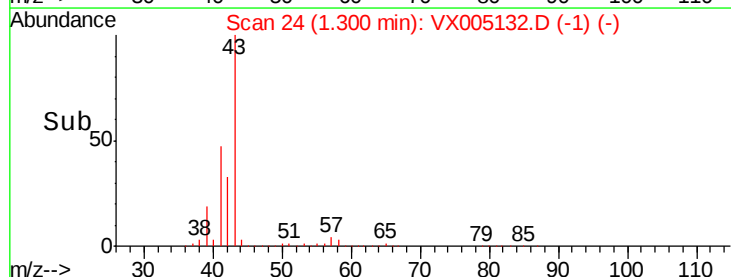
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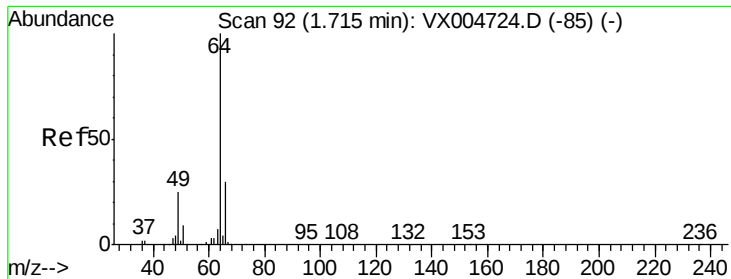
20000

10000

0

Time--> 1.25 1.30 1.35 1.40





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX005132.D

Acq: 08 Oct 2018 17:22

Instrument :

MSVOA_X

ClientSampleId :

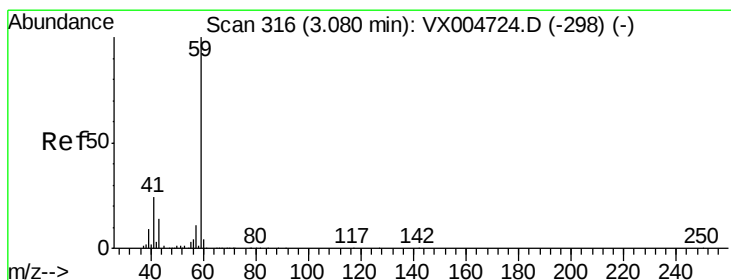
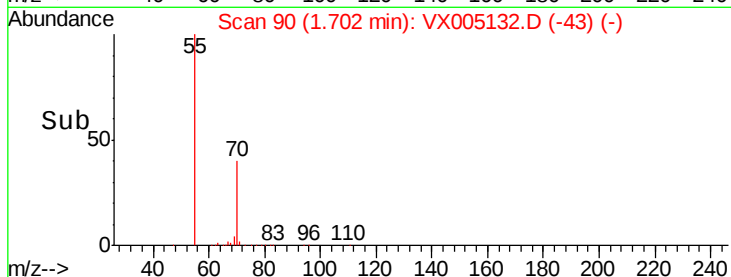
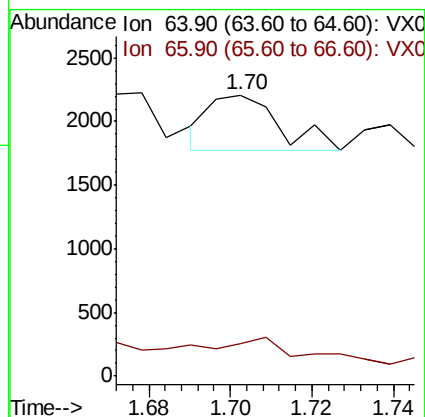
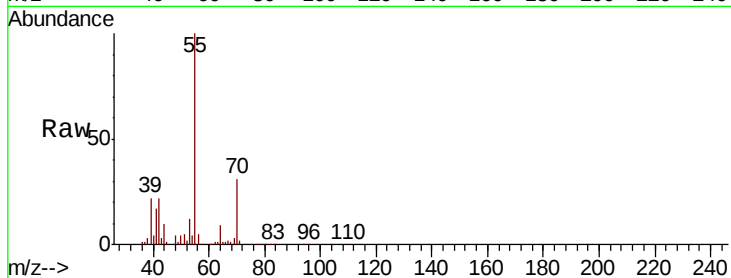
MW-4

Tot Ion: 64 Resp: 513

Ion Ratio Lower Upper

64 100

66 19.4 23.8 35.6#



#11

Tert butyl alcohol

Concen: 8.121 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.06 min

Lab File: VX005132.D

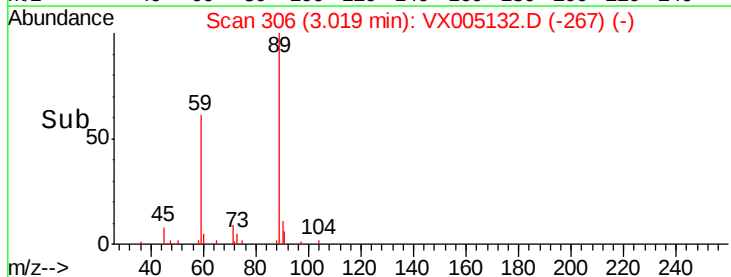
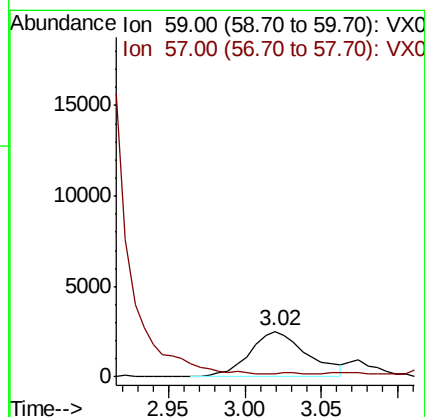
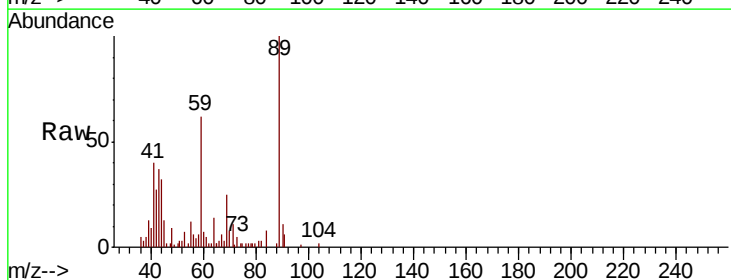
Acq: 08 Oct 2018 17:22

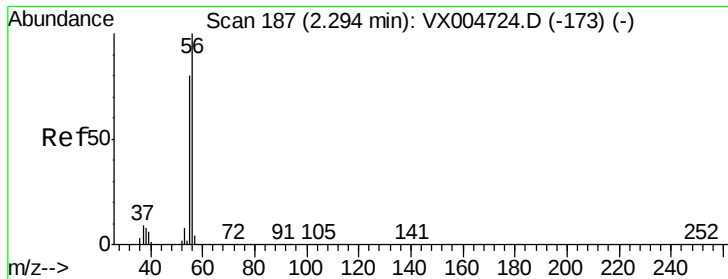
Tgt Ion: 59 Resp: 6542

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#





#13

Acrolein

Concen: 38.693 ug/l

RT: 2.26 min Scan# 182

Delta R.T. -0.03 min

Lab File: VX005132.D

Acq: 08 Oct 2018 17:22

Instrument :

MSVOA_X

ClientSampleId :

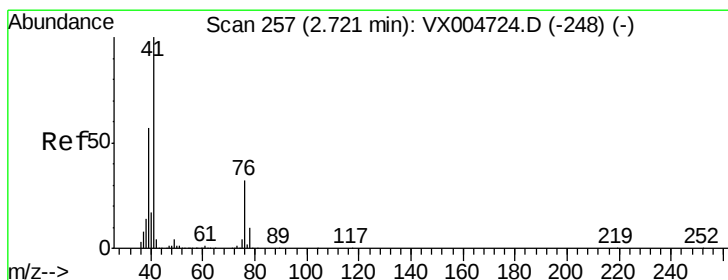
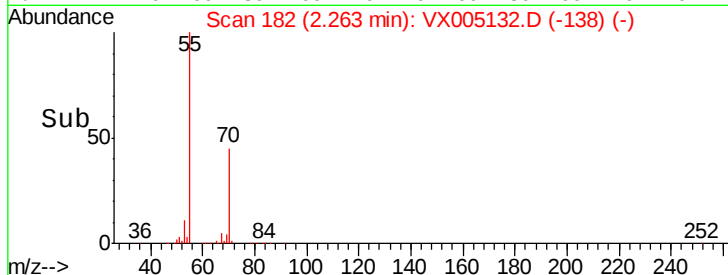
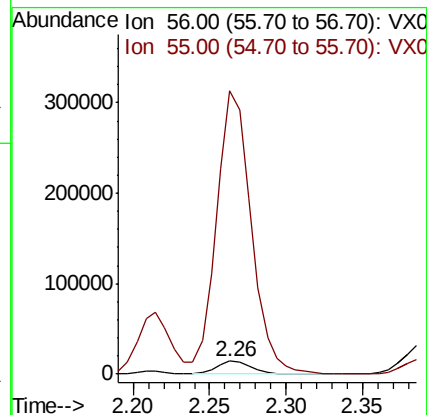
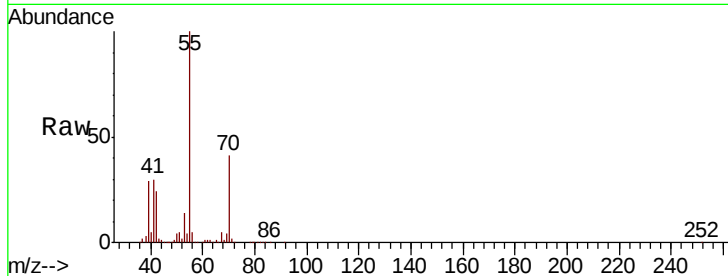
MW-4

Tot Ion: 56 Resp: 22176

Ion Ratio Lower Upper

56 100

55 2217.4 63.4 95.2#



#14

Allyl chloride

Concen: 14.382 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.05 min

Lab File: VX005132.D

Acq: 08 Oct 2018 17:22

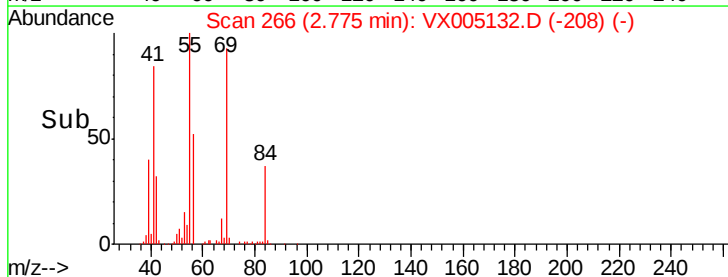
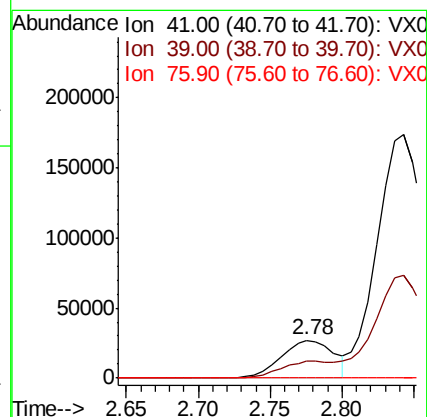
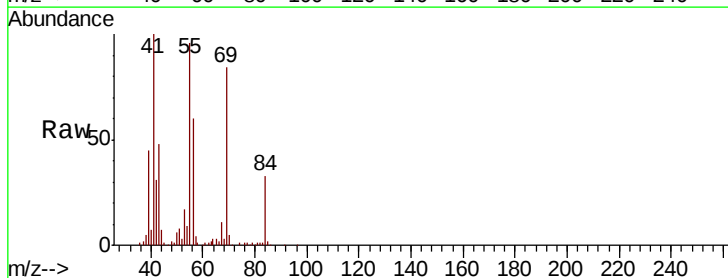
Tgt Ion: 41 Resp: 68571

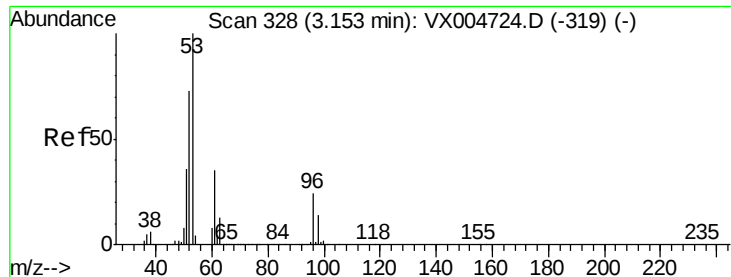
Ion Ratio Lower Upper

41 100

39 37.0 44.1 66.1#

76 0.0 25.0 37.4#





#15

Acrylonitrile

Concen: 30.781 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX005132.D

Acq: 08 Oct 2018 17:22

Instrument :

MSVOA_X

ClientSampleId :

MW-4

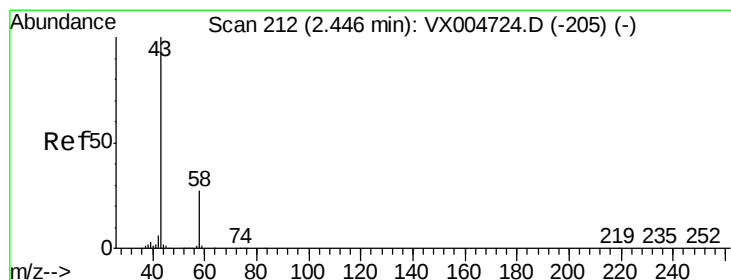
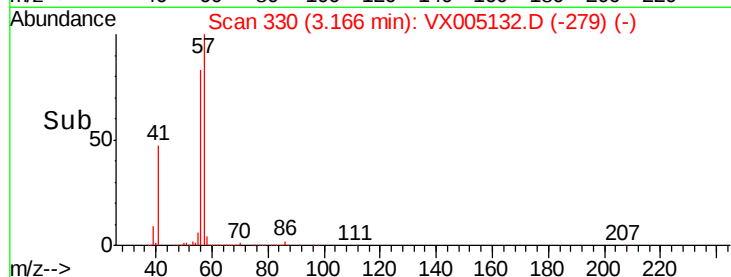
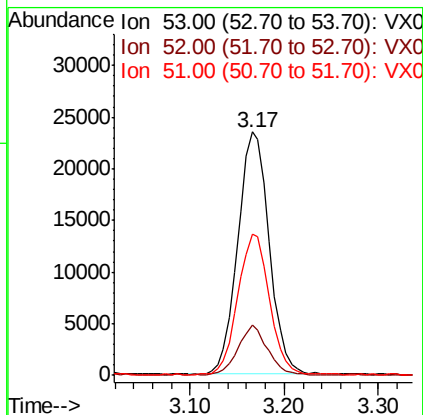
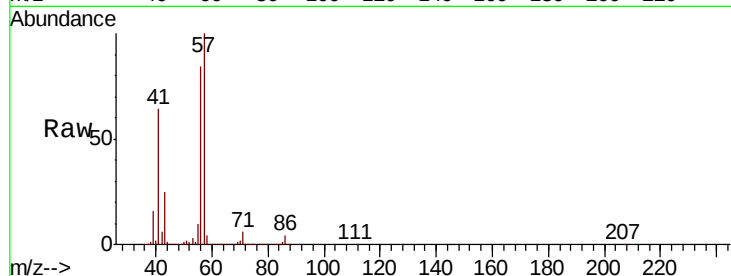
Tot Ion: 53 Resp: 54584

Ion Ratio Lower Upper

53 100

52 19.8 63.0 94.4#

51 57.8 28.6 42.8#



#16

Acetone

Concen: 54.746 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005132.D

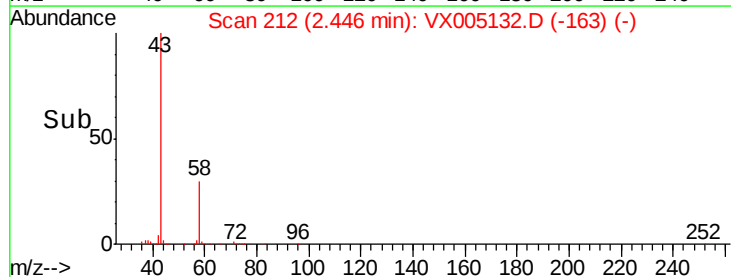
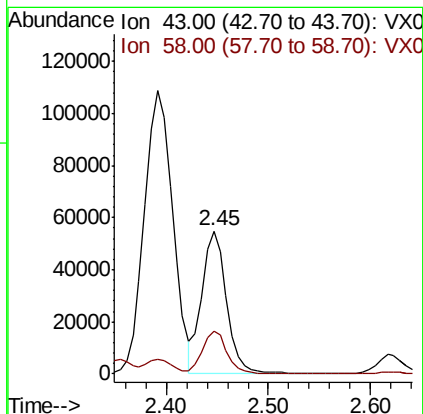
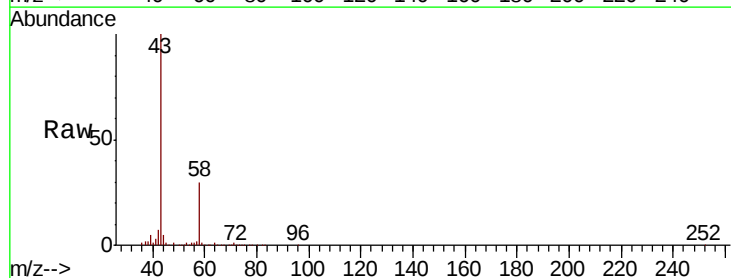
Acq: 08 Oct 2018 17:22

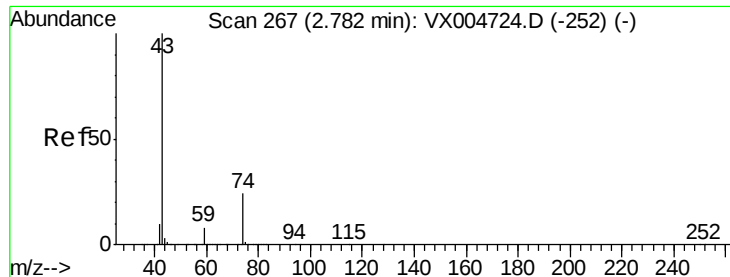
Tgt Ion: 43 Resp: 92080

Ion Ratio Lower Upper

43 100

58 29.7 21.8 32.6





#18

Methvl Acetate

Concen: 234.220 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.06 min

Lab File: VX005132.D

Acq: 08 Oct 2018 17:22

Instrument :

MSVOA_X

ClientSampled :

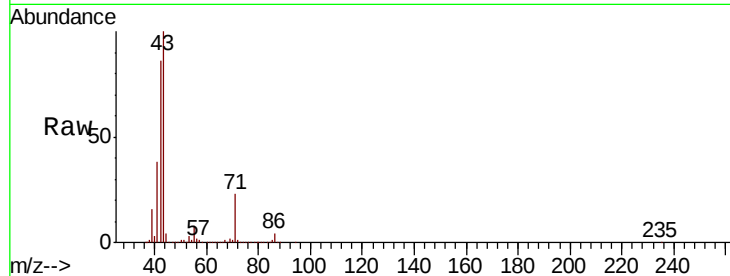
MW-4

Tot Ion: 43 Resp: 998095

Ion Ratio Lower Upper

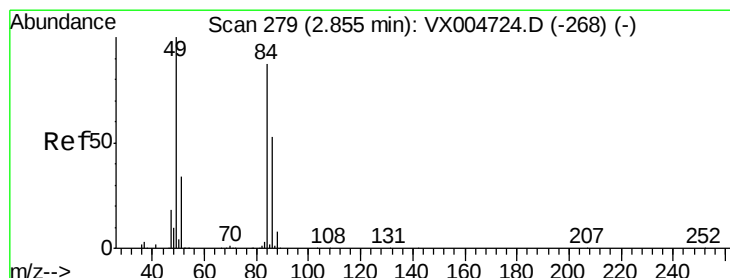
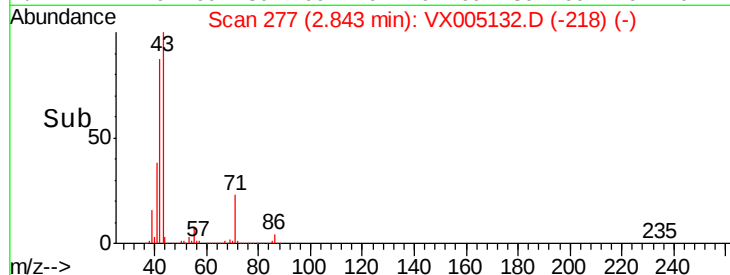
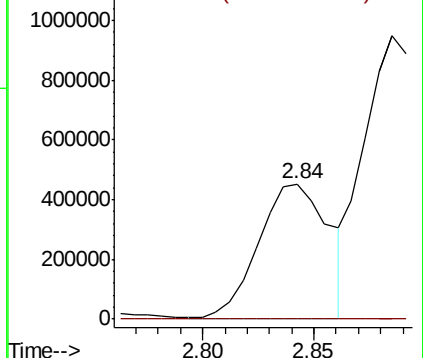
43 100

74 0.0 17.8 26.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#20

Methylene Chloride

Concen: 0.829 ug/l

RT: 2.84 min Scan# 277

Delta R.T. -0.01 min

Lab File: VX005132.D

Acq: 08 Oct 2018 17:22

Tgt Ion: 84 Resp: 4046

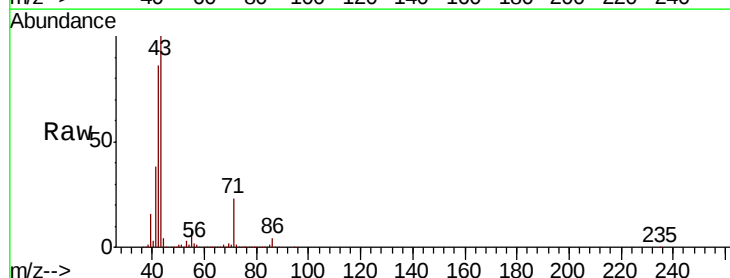
Ion Ratio Lower Upper

84 100

49 62.1 92.3 138.5#

51 645.6 31.8 47.6#

86 2299.4 48.5 72.7#

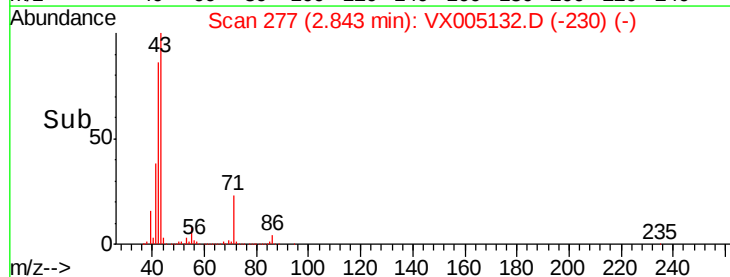
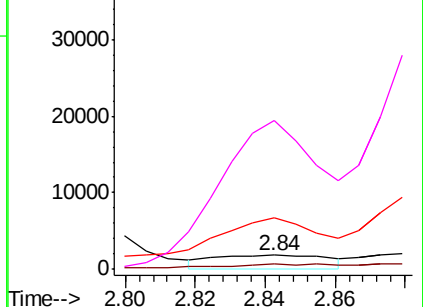


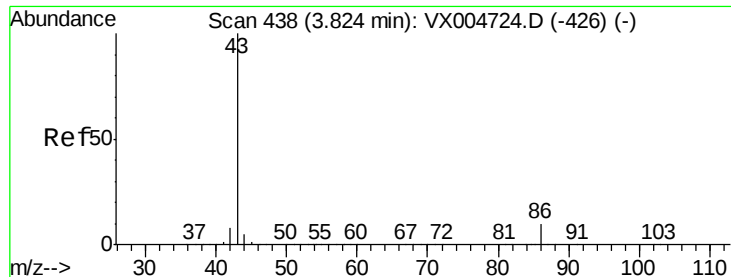
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#23

Vinyl Acetate

Concen: 1.488 ug/l

RT: 3.81 min Scan# 435

Delta R.T. -0.02 min

Lab File: VX005132.D

Acq: 08 Oct 2018 17:22

Instrument :

MSVOA_X

ClientSampled :

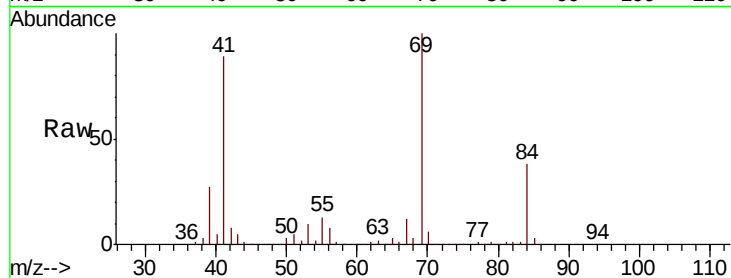
MW-4

Tot Ion: 43 Resp: 10936

Ion Ratio Lower Upper

43 100

86 2.2 8.1 12.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

5000

4000

3000

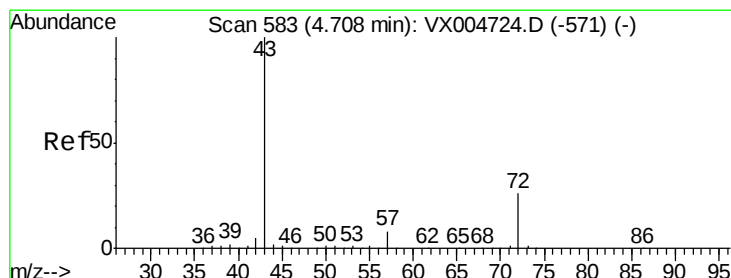
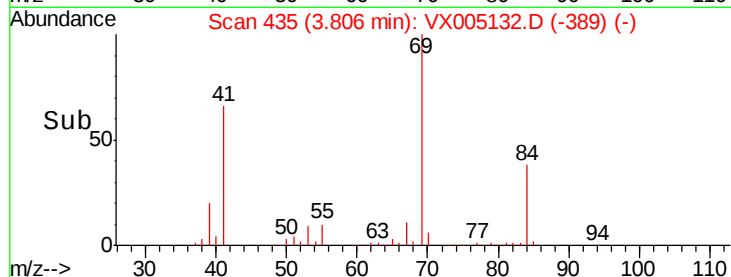
2000

1000

0

Time-->

3.75 3.80 3.85 3.90



#25

2-Butanone

Concen: 26.153 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005132.D

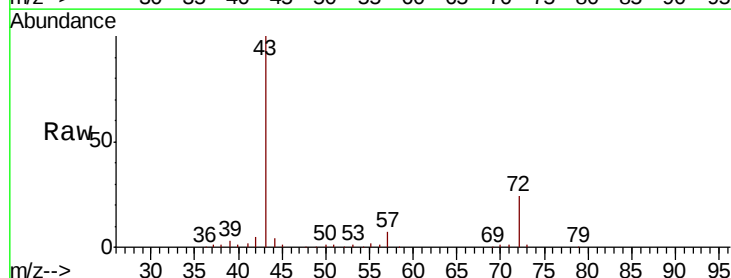
Acq: 08 Oct 2018 17:22

Tgt Ion: 43 Resp: 64840

Ion Ratio Lower Upper

43 100

72 24.5 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.70

25000

20000

15000

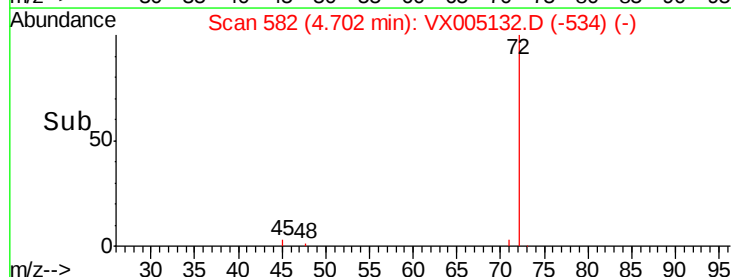
10000

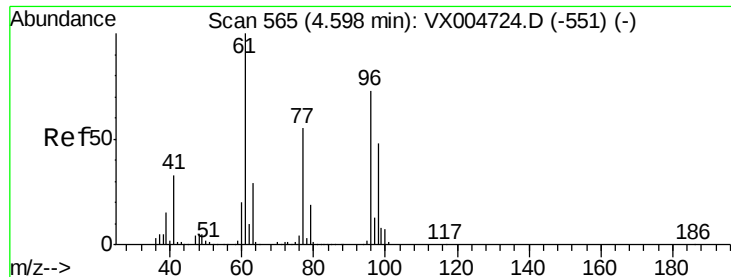
5000

0

Time-->

4.60 4.70 4.80



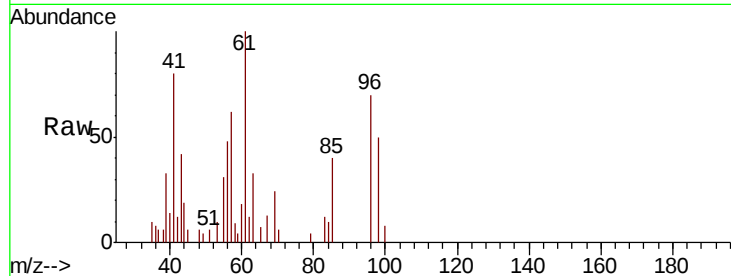


#27

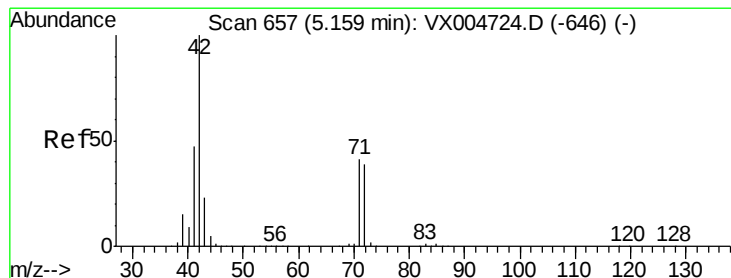
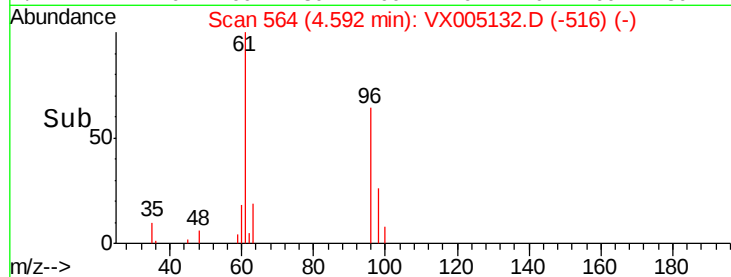
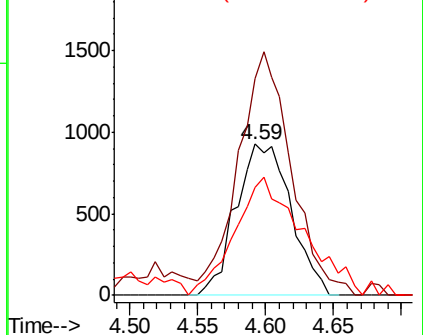
cis-1,2-Dichloroethene
 Concen: 0.982 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX005132.D
 Acq: 08 Oct 2018 17:22

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.6	0.0	285.8
98	95.6	0.0	136.2



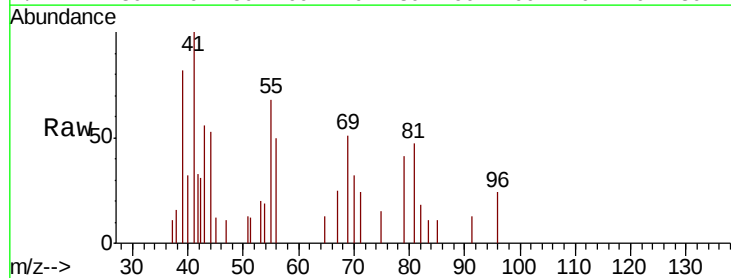
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



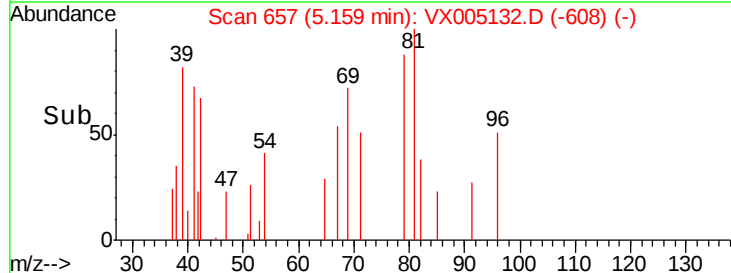
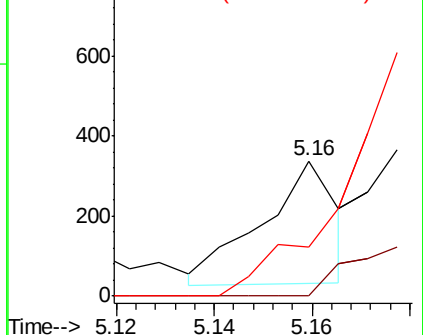
#29

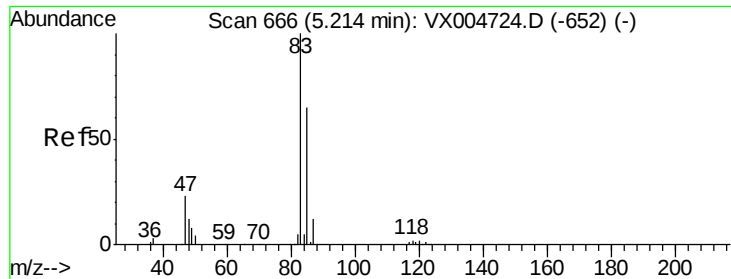
Tetrahydrofuran
 Concen: 0.210 ug/l
 RT: 5.16 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VX005132.D
 Acq: 08 Oct 2018 17:22

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.7	50.5#
71	0.0	32.2	48.4#



Abundance Ion 42.00 (41.70 to 42.70): VX0
 Ion 72.00 (71.70 to 72.70): VX0
 Ion 71.00 (70.70 to 71.70): VX0

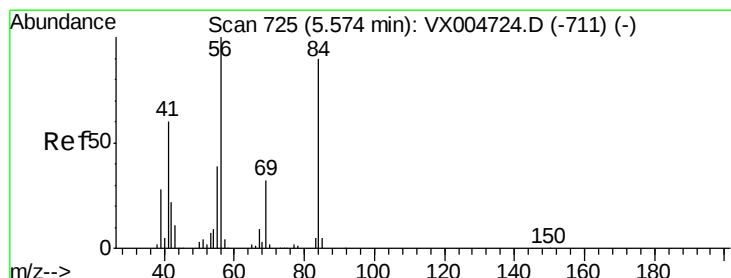
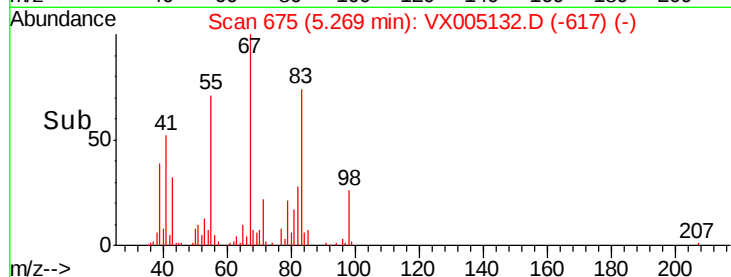
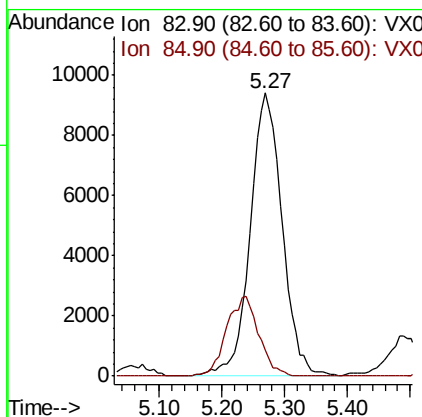
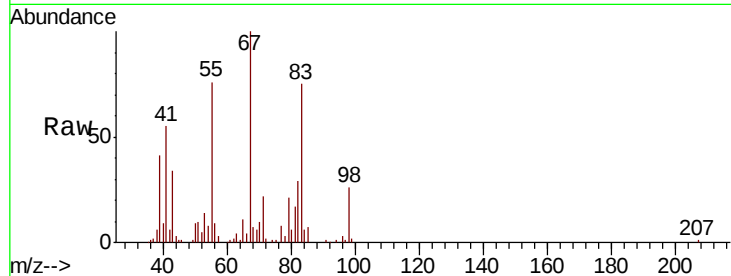




#30
Chloroform
Concen: 7.324 ug/l
RT: 5.27 min Scan# 675
Delta R.T. 0.05 min
Lab File: VX005132.D
Acq: 08 Oct 2018 17:22

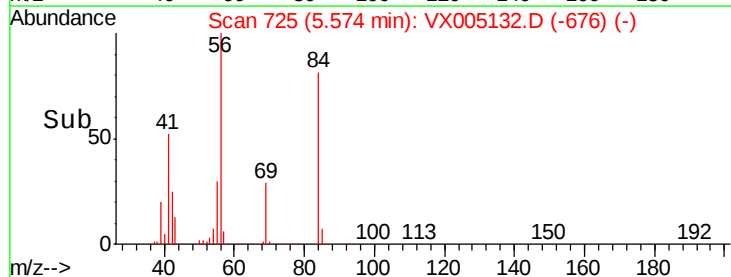
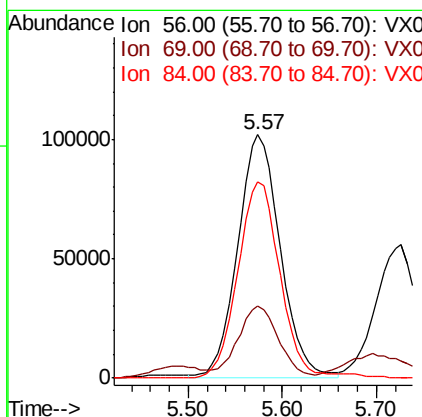
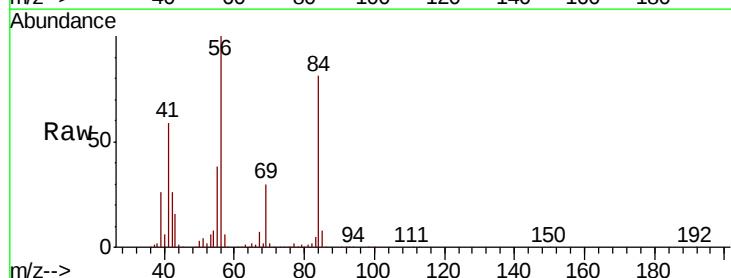
Instrument :
MSVOA_X
ClientSampled :
MW-4

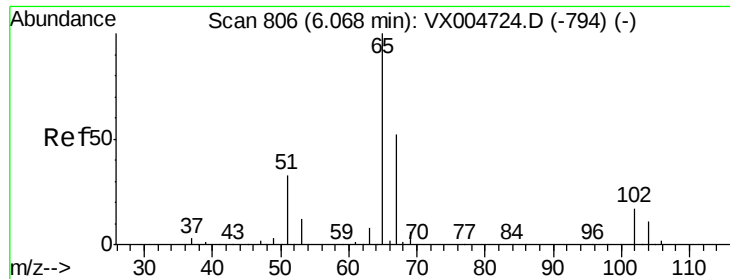
Tot Ion: 83 Resp: 33149
Ion Ratio Lower Upper
83 100
85 9.3 52.4 78.6#



#31
Cyclohexane
Concen: 87.990 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX005132.D
Acq: 08 Oct 2018 17:22

Tgt Ion: 56 Resp: 322531
Ion Ratio Lower Upper
56 100
69 25.7 25.9 38.9#
84 81.3 71.9 107.9





#33

1,2-Dichloroethane-d4

Concen: 47.446 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005132.D

Acq: 08 Oct 2018 17:22

Instrument :

MSVOA_X

ClientSampled :

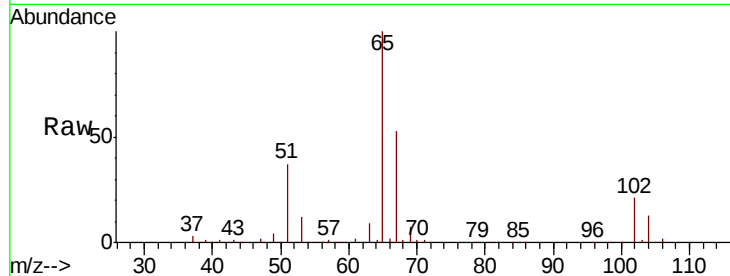
MW-4

Tot Ion: 65 Resp: 136687

Ion Ratio Lower Upper

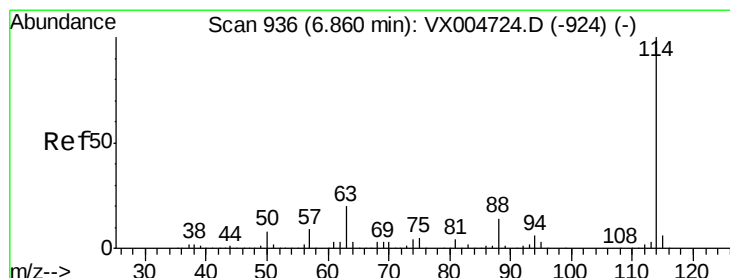
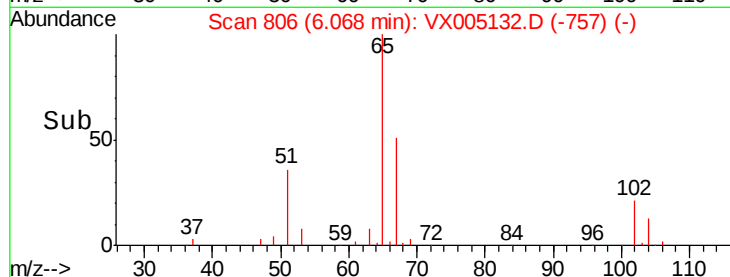
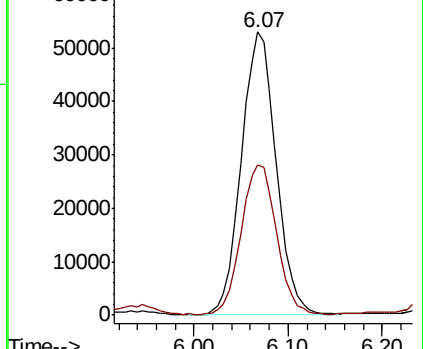
65 100

67 53.5 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX005132.D

Acq: 08 Oct 2018 17:22

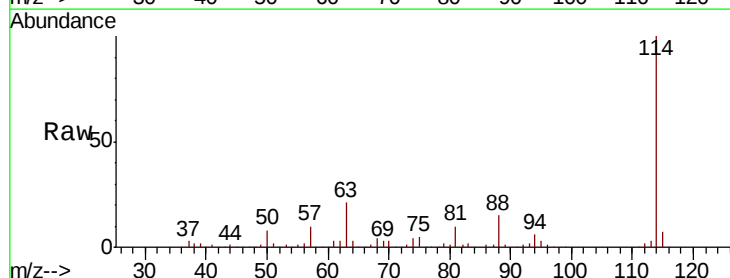
Tgt Ion: 114 Resp: 308116

Ion Ratio Lower Upper

114 100

63 21.0 0.0 39.8

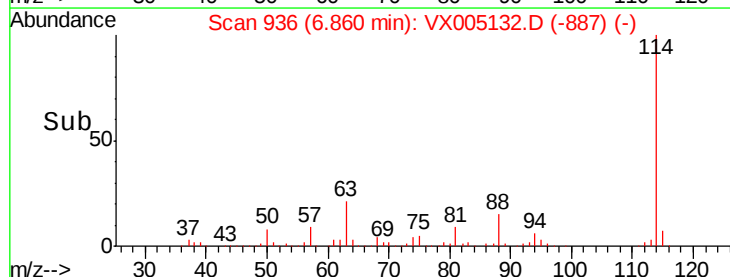
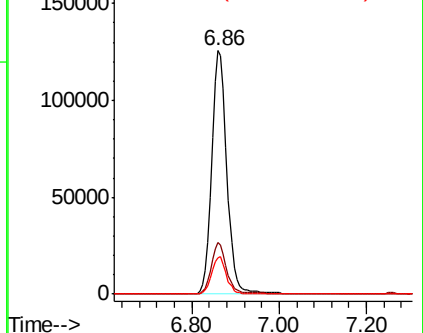
88 14.9 0.0 27.0

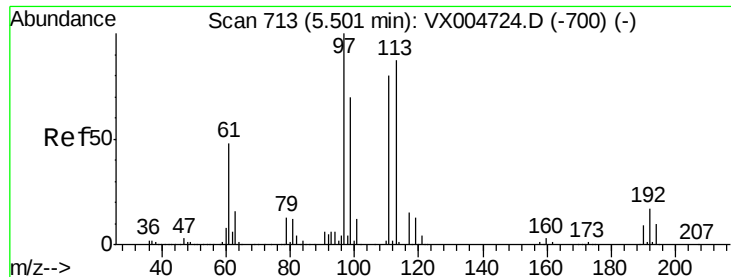


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

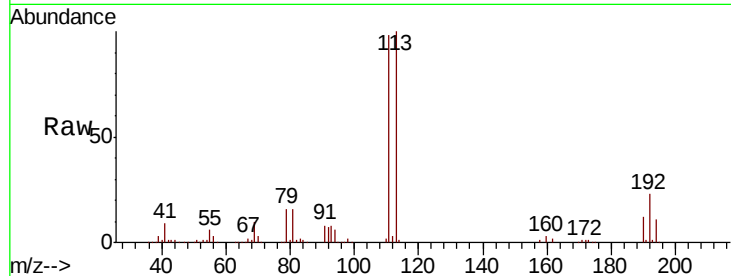




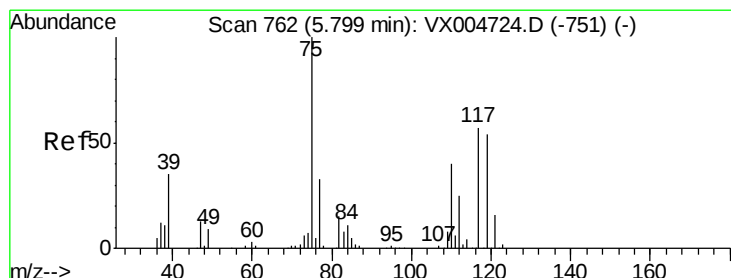
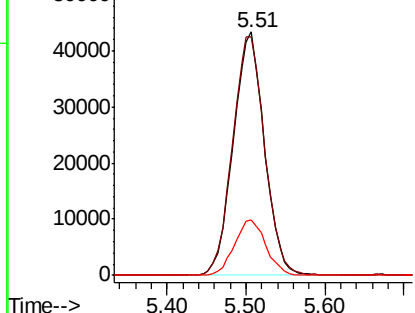
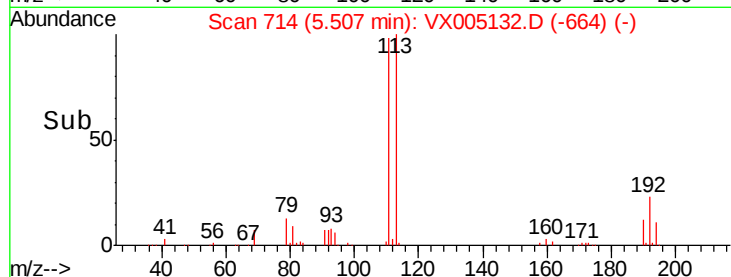
#35
 Dibromofluoromethane
 Concen: 45.578 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX005132.D
 Acq: 08 Oct 2018 17:22

Instrument :
 MSVOA_X
 ClientSampled :
 MW-4

Tot Ion:113 Resp: 119020
 Ion Ratio Lower Upper
 113 100
 111 101.3 77.0 115.4
 192 23.0 17.0 25.6

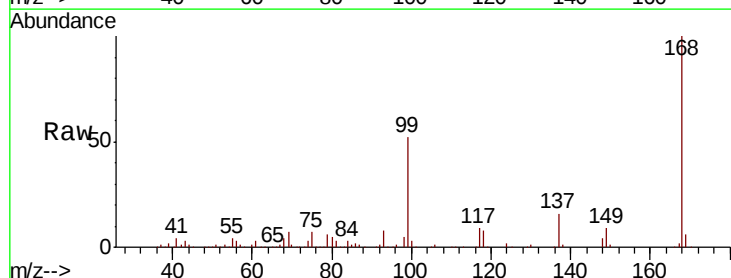


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

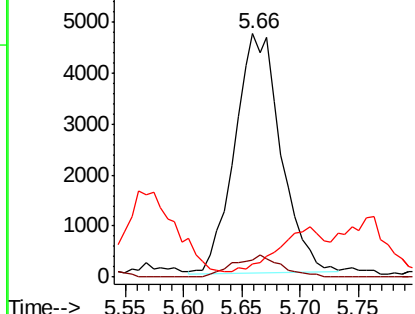
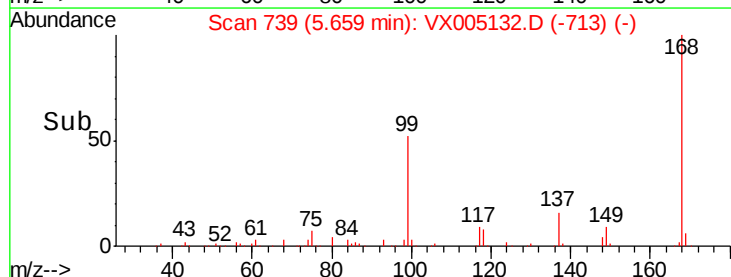


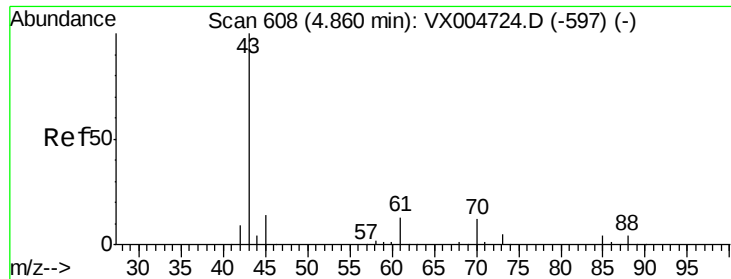
#36
 1,1-Dichloropropene
 Concen: 3.630 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX005132.D
 Acq: 08 Oct 2018 17:22

Tgt Ion: 75 Resp: 12932
 Ion Ratio Lower Upper
 75 100
 110 9.5 20.0 59.9#
 77 0.0 27.1 40.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

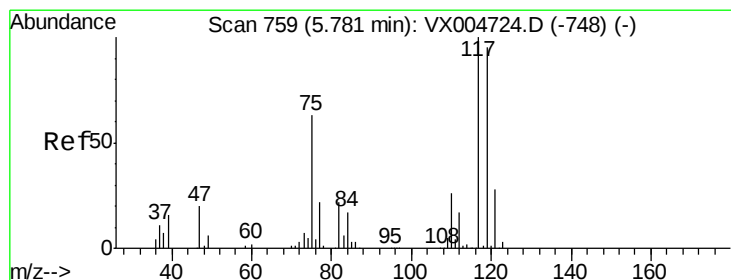
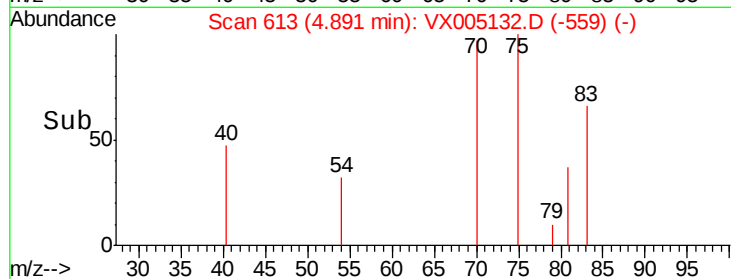
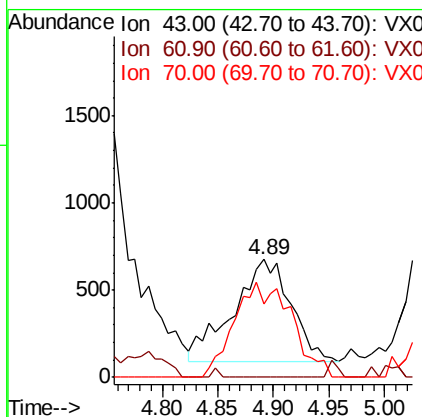
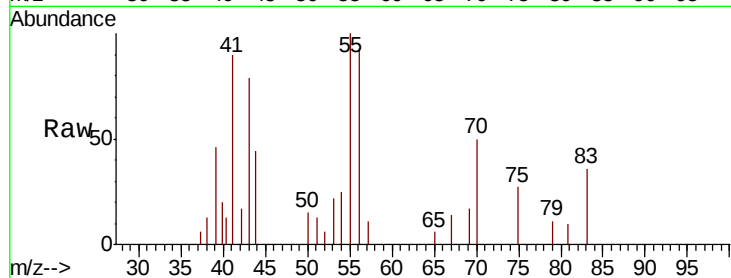




#37
Ethyl Acetate
Concen: 0.447 ug/l
RT: 4.89 min Scan# 613
Delta R.T. 0.03 min
Lab File: VX005132.D
Acq: 08 Oct 2018 17:22

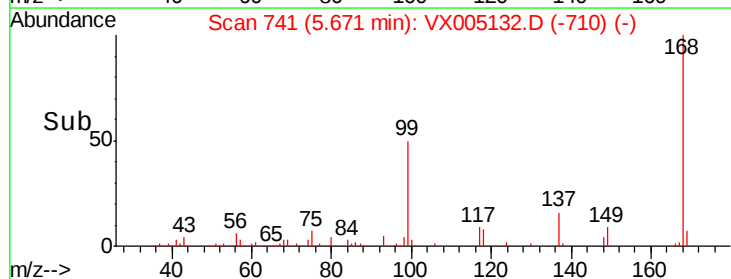
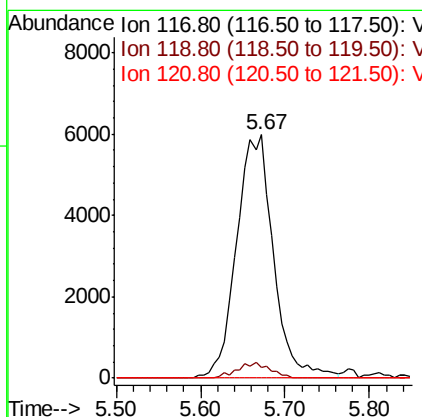
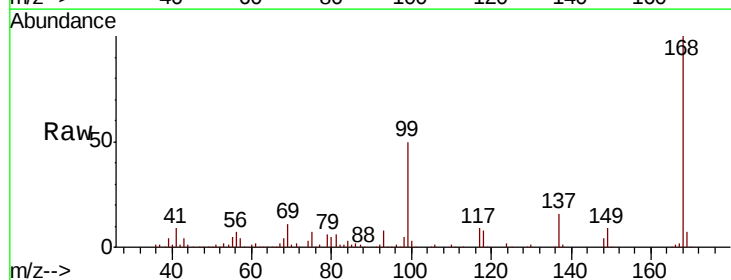
Instrument :
MSVOA_X
ClientSampled :
MW-4

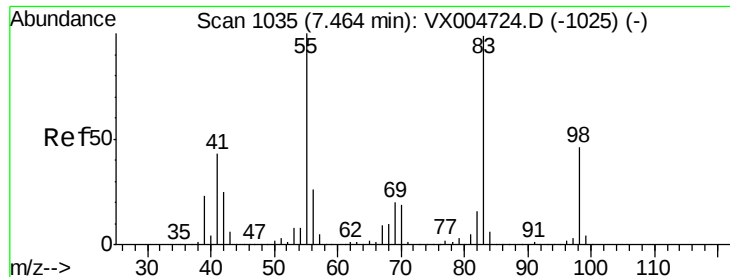
Tot Ion: 43 Resp: 2115
Ion Ratio Lower Upper
43 100
61 0.0 10.4 15.6#
70 91.8 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 4.731 ug/l
RT: 5.67 min Scan# 741
Delta R.T. -0.11 min
Lab File: VX005132.D
Acq: 08 Oct 2018 17:22

Tgt Ion: 117 Resp: 17720
Ion Ratio Lower Upper
117 100
119 4.6 75.2 112.8#
121 0.0 22.5 33.7#

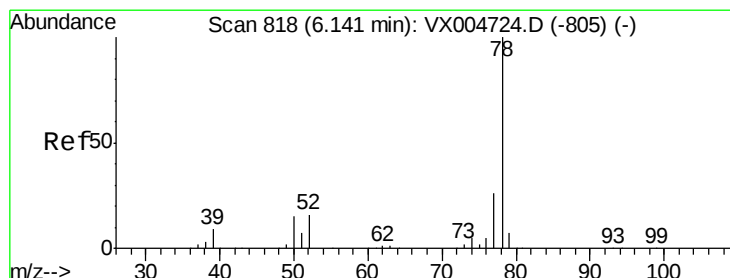
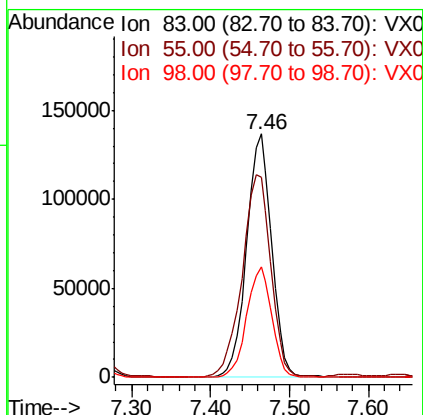
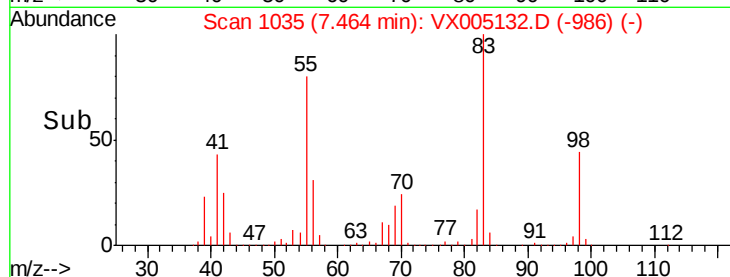
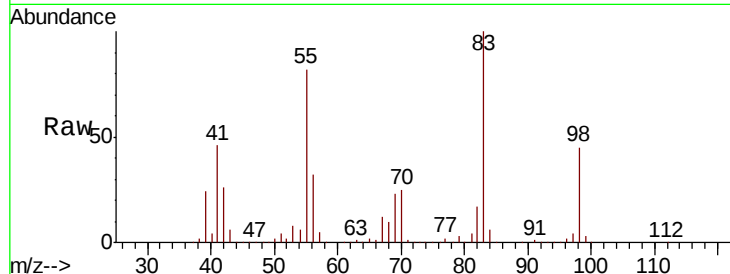




#39
Methvlcvclohexane
Concen: 82.881 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX005132.D
Acq: 08 Oct 2018 17:22

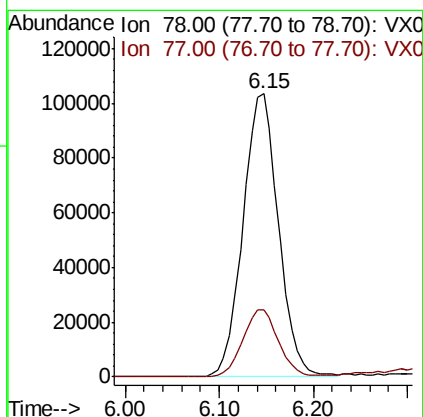
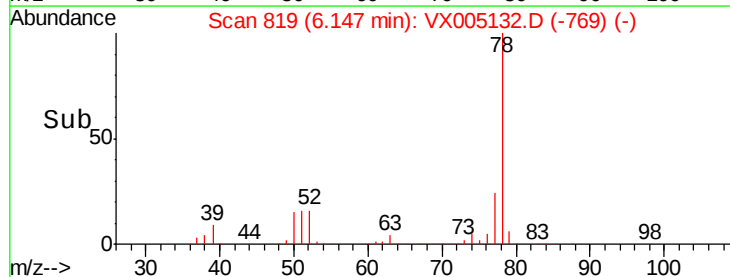
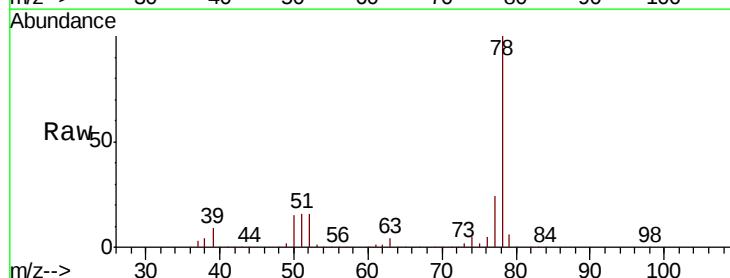
Instrument :
MSVOA_X
ClientSampleId :
MW-4

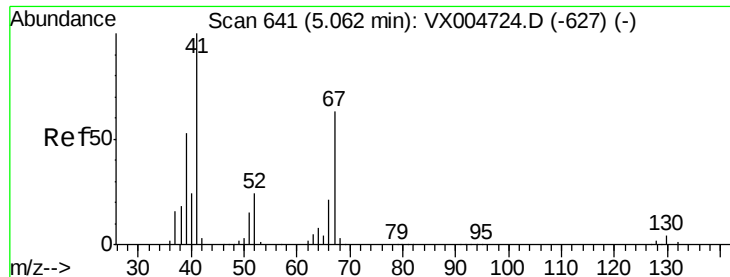
Tot Ion: 83 Resp: 301522
Ion Ratio Lower Upper
83 100
55 82.1 81.1 121.7
98 45.4 37.3 55.9



#40
Benzene
Concen: 24.521 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX005132.D
Acq: 08 Oct 2018 17:22

Tgt Ion: 78 Resp: 273503
Ion Ratio Lower Upper
78 100
77 23.8 21.0 31.4

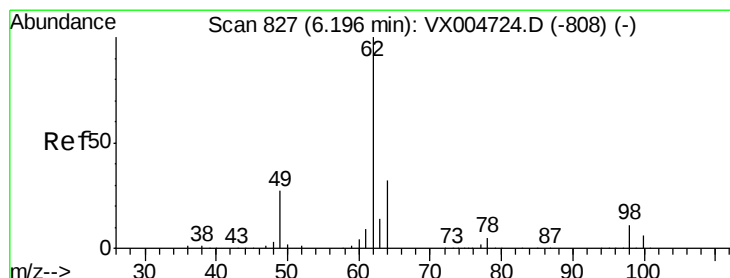
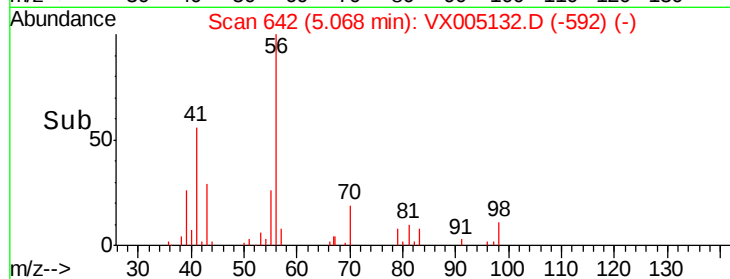
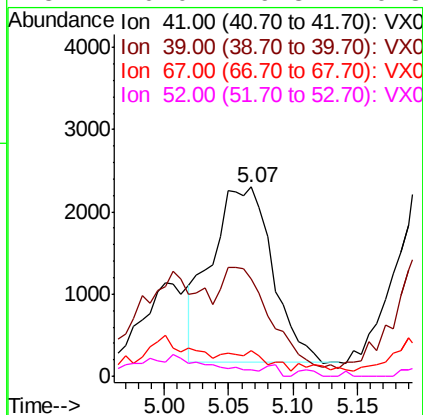
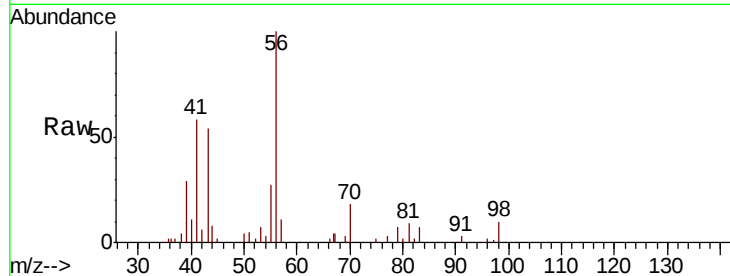




#41
Methacrylonitrile
Concen: 2.680 ug/l
RT: 5.07 min Scan# 642
Delta R.T. 0.01 min
Lab File: VX005132.D
Acq: 08 Oct 2018 17:22

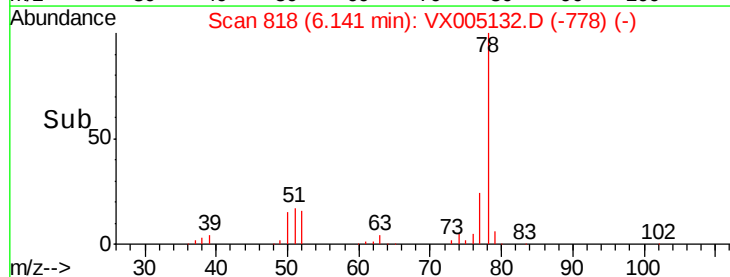
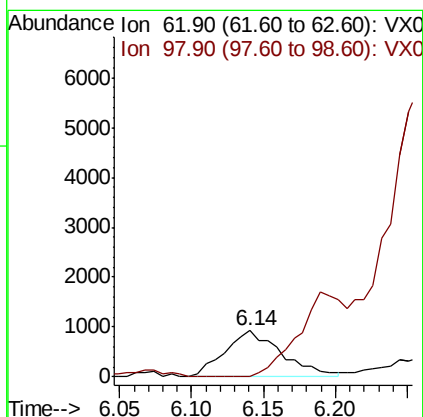
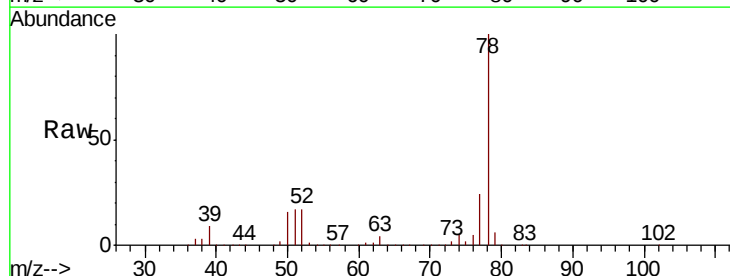
Instrument :
MSVOA_X
ClientSampleId :
MW-4

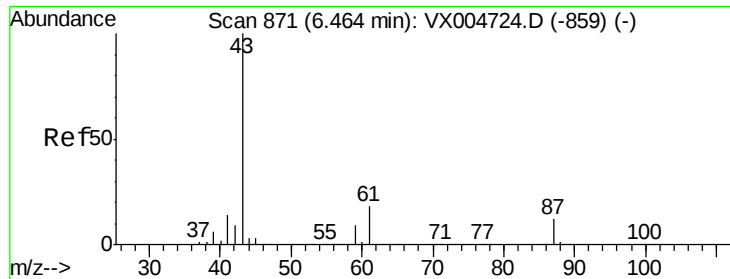
Tot Ion:	41	Resp:	7030
Ion	Ratio	Lower	Upper
41	100		
39	44.6	42.5	63.7
67	0.0	53.0	79.6#
52	0.0	19.8	29.8#



#42
1,2-Dichloroethane
Concen: 0.647 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.05 min
Lab File: VX005132.D
Acq: 08 Oct 2018 17:22

Tgt Ion:	62	Resp:	2553
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	20.2





#43

Isopropyl Acetate

Concen: 2.235 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX005132.D

Acq: 08 Oct 2018 17:22

Instrument :

MSVOA_X

ClientSampled :

MW-4

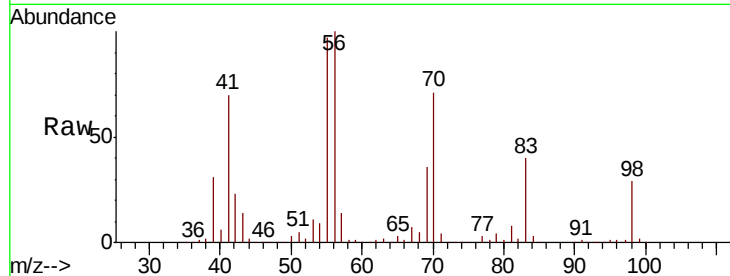
Tot Ion: 43 Resp: 15253

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

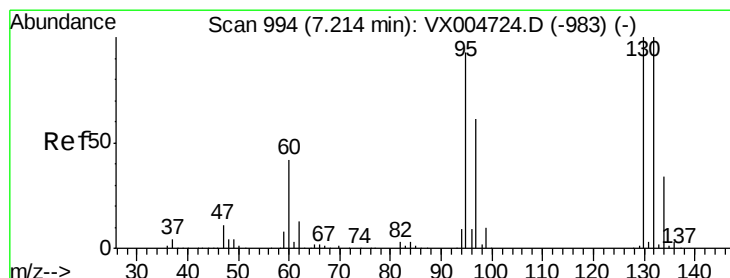
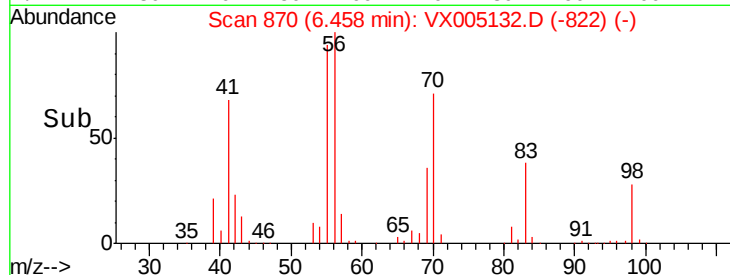
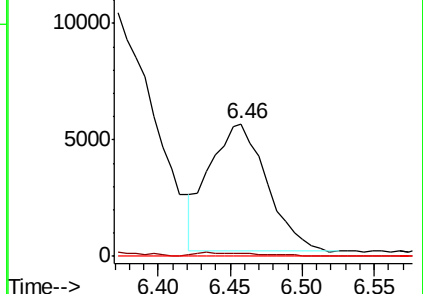
87 0.0 9.3 13.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 2.126 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX005132.D

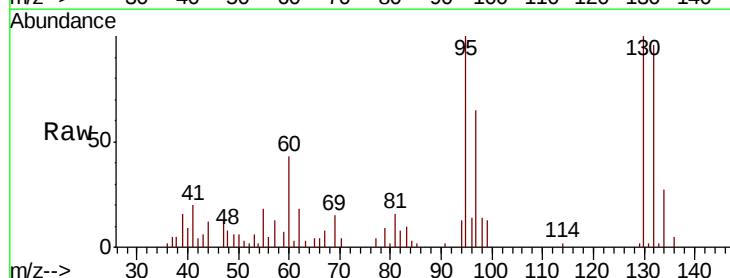
Acq: 08 Oct 2018 17:22

Tgt Ion:130 Resp: 5829

Ion Ratio Lower Upper

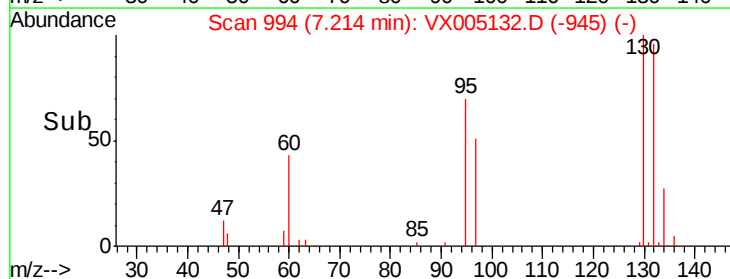
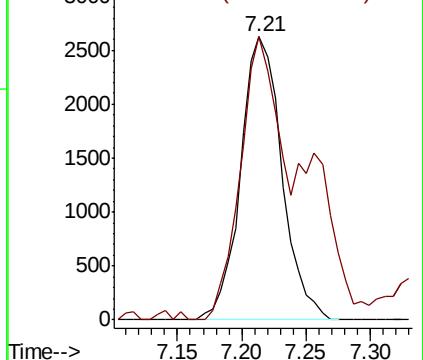
130 100

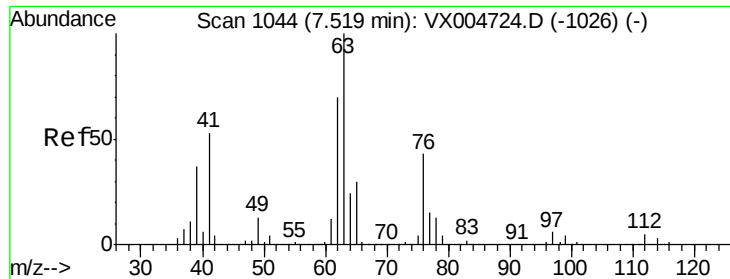
95 99.9 0.0 186.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 1.446 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.05 min

Lab File: VX005132.D

Acq: 08 Oct 2018 17:22

Instrument :

MSVOA_X

ClientSampled :

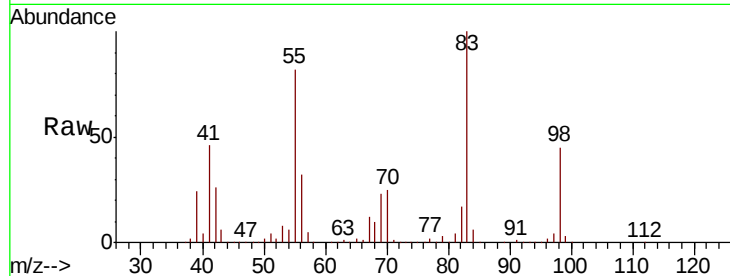
MW-4

Tot Ion: 63 Resp: 3956

Ion Ratio Lower Upper

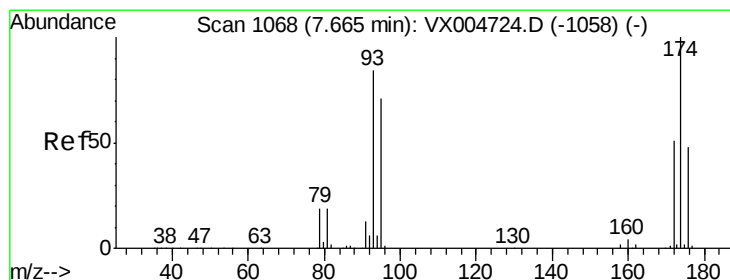
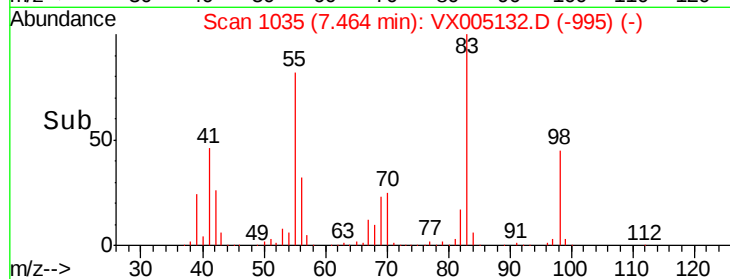
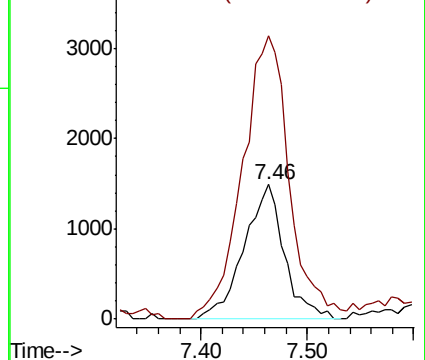
63 100

65 210.1 23.9 35.9#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 0.464 ug/l

RT: 7.63 min Scan# 1063

Delta R.T. -0.03 min

Lab File: VX005132.D

Acq: 08 Oct 2018 17:22

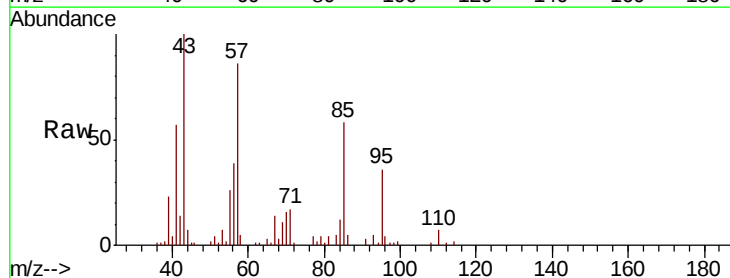
Tgt Ion: 93 Resp: 797

Ion Ratio Lower Upper

93 100

95 814.3 66.7 100.1#

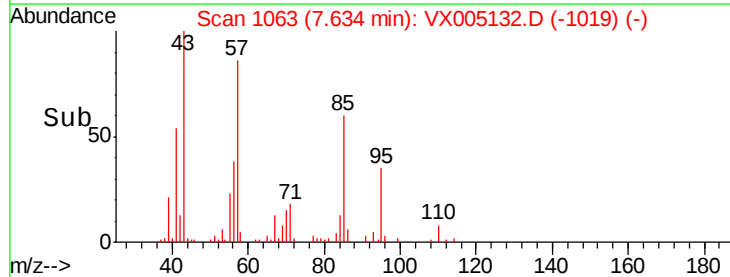
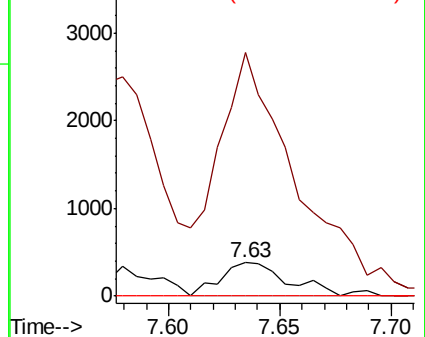
174 0.0 92.7 139.1#

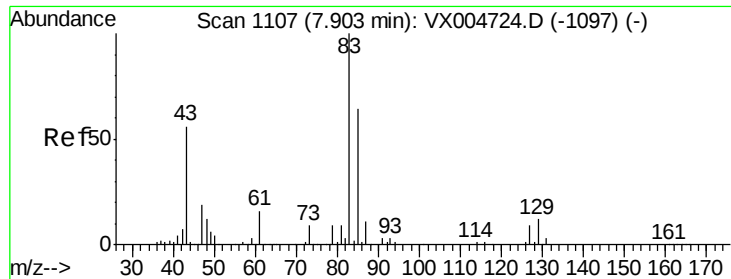


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 0.904 ug/l

RT: 7.85 min Scan# 1098

Delta R.T. -0.05 min

Lab File: VX005132.D

Acq: 08 Oct 2018 17:22

Instrument :

MSVOA_X

ClientSampled :

MW-4

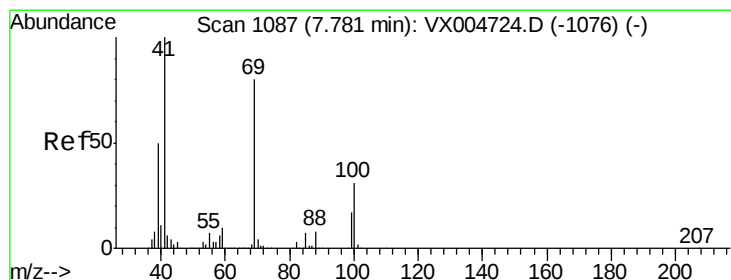
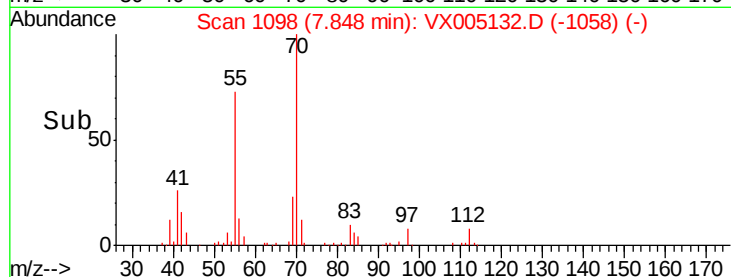
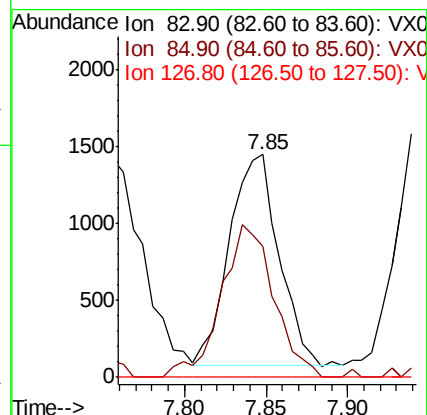
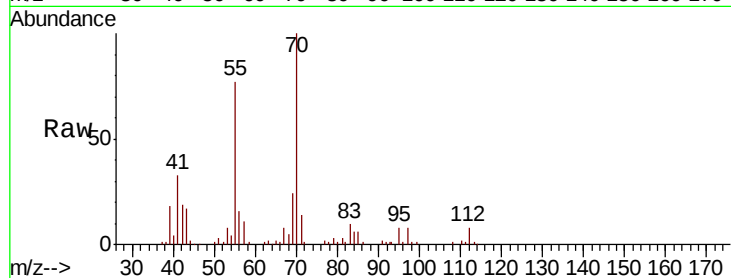
Tot Ion: 83 Resp: 2908

Ion Ratio Lower Upper

83 100

85 62.4 51.2 76.8

127 0.0 7.0 10.6#



#48

Methyl methacrylate

Concen: 9.931 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.05 min

Lab File: VX005132.D

Acq: 08 Oct 2018 17:22

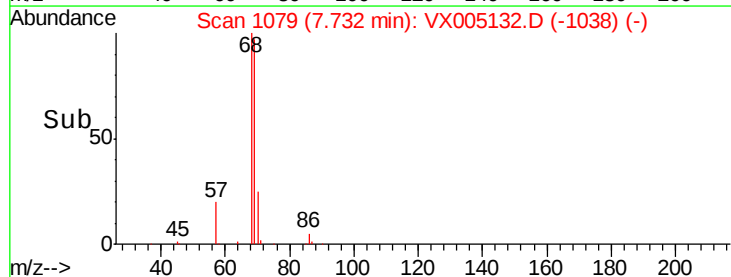
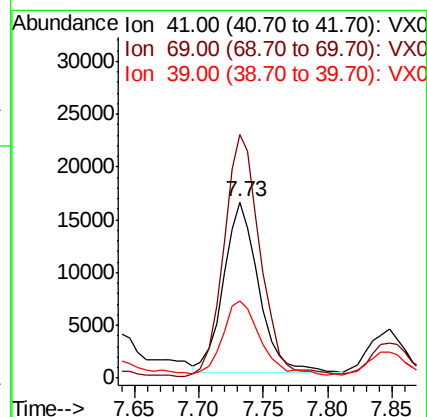
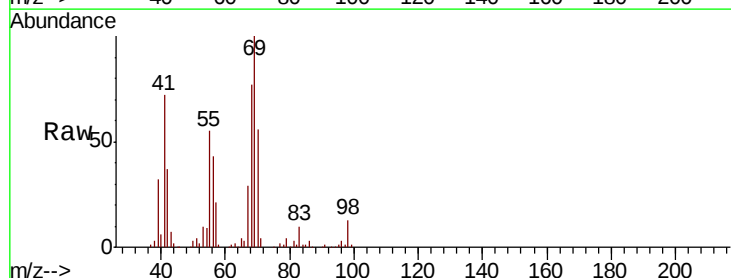
Tgt Ion: 41 Resp: 30769

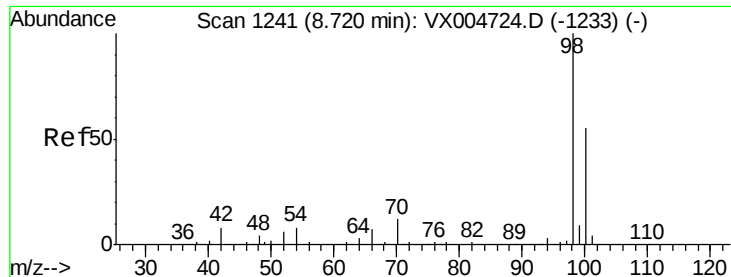
Ion Ratio Lower Upper

41 100

69 147.6 63.8 95.6#

39 45.5 40.7 61.1





#50

Toluene-d8

Concen: 52.293 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX005132.D

Acq: 08 Oct 2018 17:22

Instrument :

MSVOA_X

ClientSampleId :

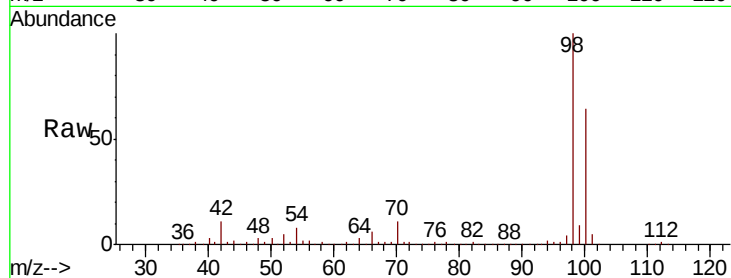
MW-4

Tot Ion: 98 Resp: 453974

Ion Ratio Lower Upper

98 100

100 63.6 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.72

300000

250000

200000

150000

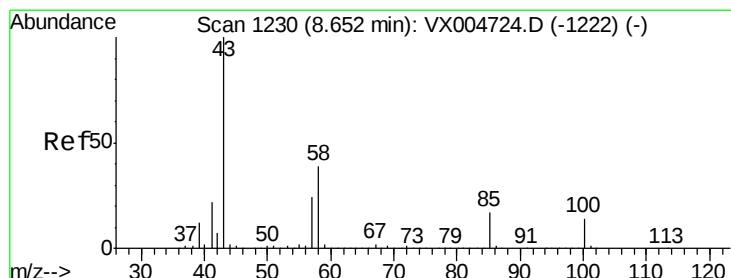
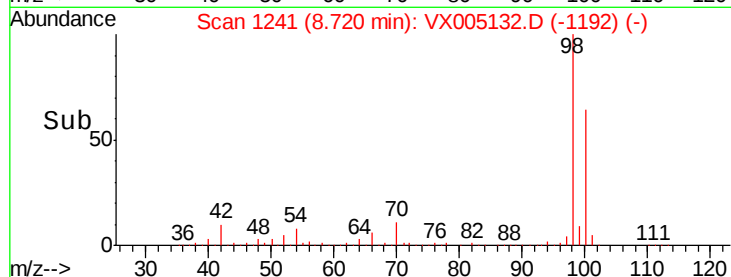
100000

50000

0

Time-->

8.60 8.70 8.80 8.90



#51

4-Methyl-2-Pentanone

Concen: 1.917 ug/l

RT: 8.66 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VX005132.D

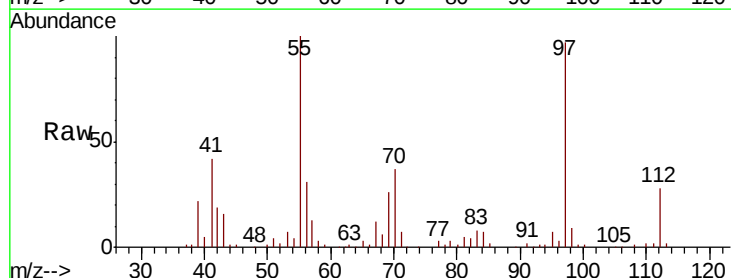
Acq: 08 Oct 2018 17:22

Tgt Ion: 43 Resp: 8238

Ion Ratio Lower Upper

43 100

58 20.8 30.5 45.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8000

6000

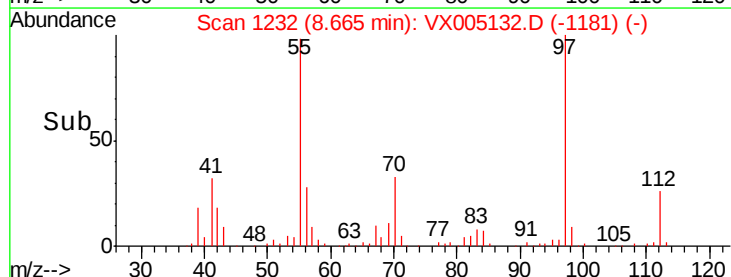
4000

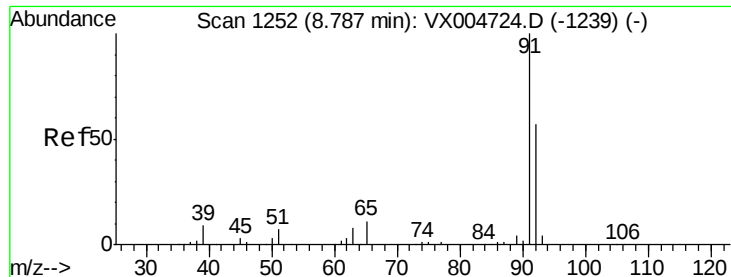
2000

0

Time-->

8.60 8.65 8.70





#52

Toluene

Concen: 50.020 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005132.D

Acq: 08 Oct 2018 17:22

Instrument :

MSVOA_X

ClientSampleId :

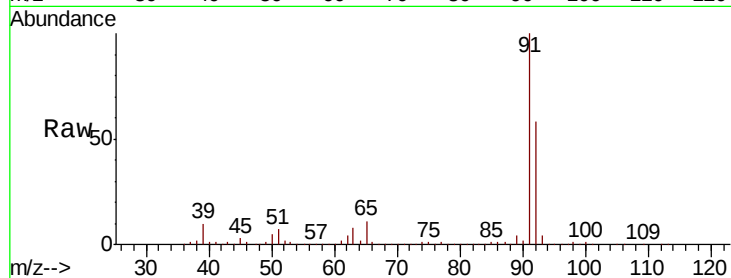
MW-4

Tot Ion: 92 Resp: 306573

Ion Ratio Lower Upper

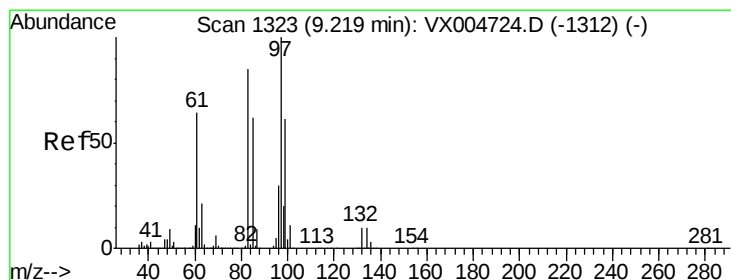
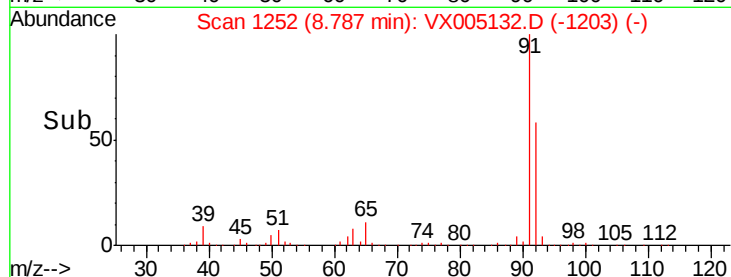
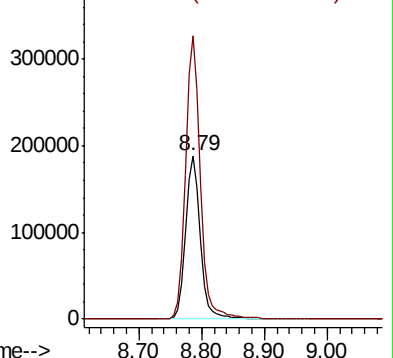
92 100

91 173.8 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#55

1,1,2-Trichloroethane

Concen: 12.625 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX005132.D

Acq: 08 Oct 2018 17:22

Tgt Ion: 97 Resp: 33895

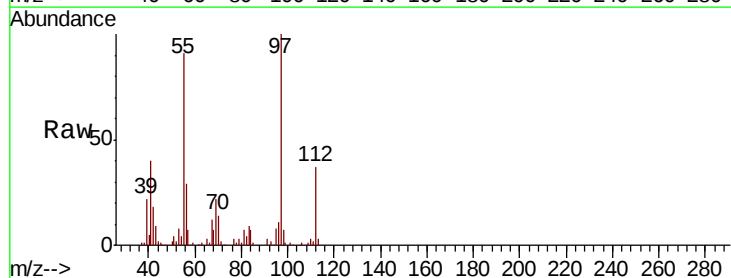
Ion Ratio Lower Upper

97 100

83 7.3 68.2 102.2#

85 0.6 49.9 74.9#

99 0.6 48.9 73.3#

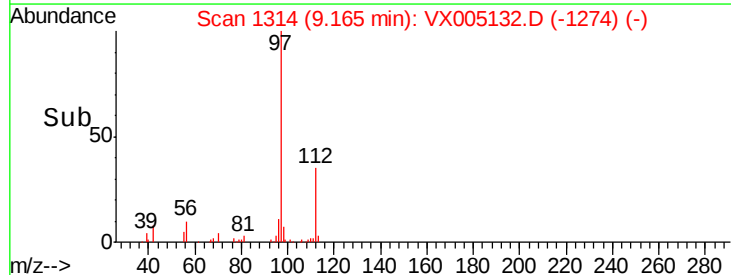
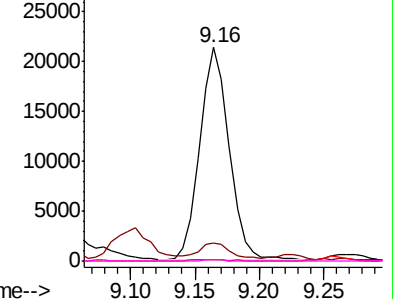


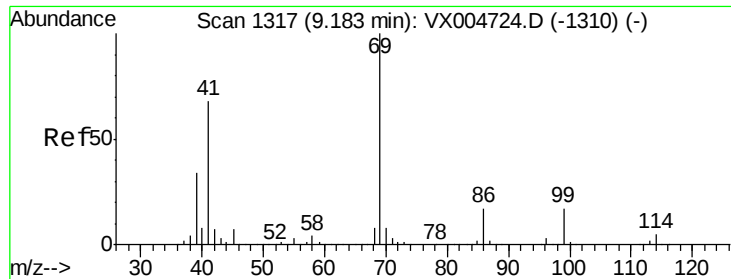
Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

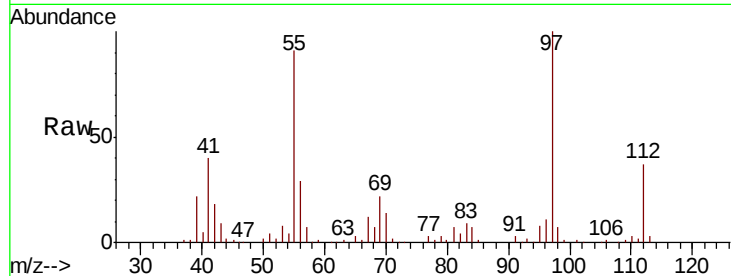




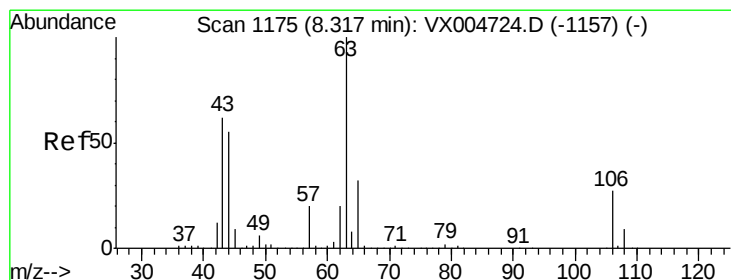
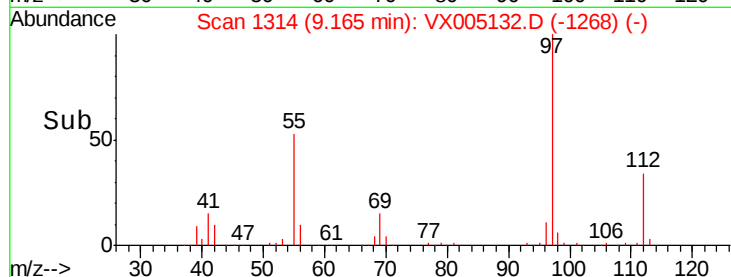
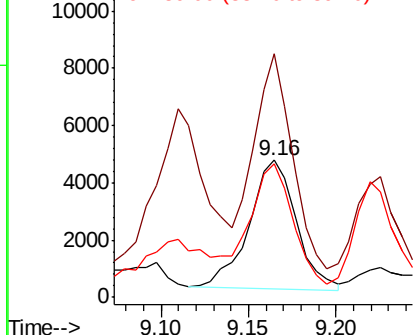
#56
Ethyl methacrylate
Concen: 4.685 ug/l
RT: 9.16 min Scan# 1314
Delta R.T. -0.02 min
Lab File: VX005132.D
Acq: 08 Oct 2018 17:22

Instrument :
MSVOA_X
ClientSampled :
MW-4

Tot Ion: 69 Resp: 8425
Ion Ratio Lower Upper
69 100
41 135.0 56.9 85.3#
39 85.5 28.4 42.6#

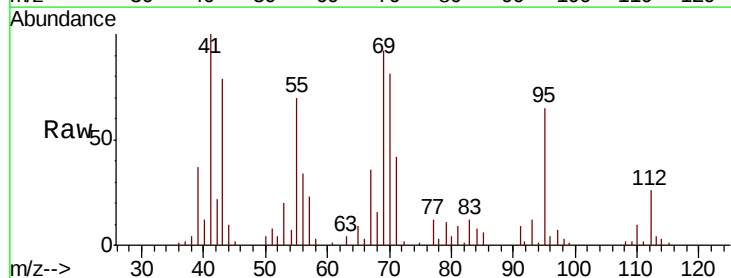


Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

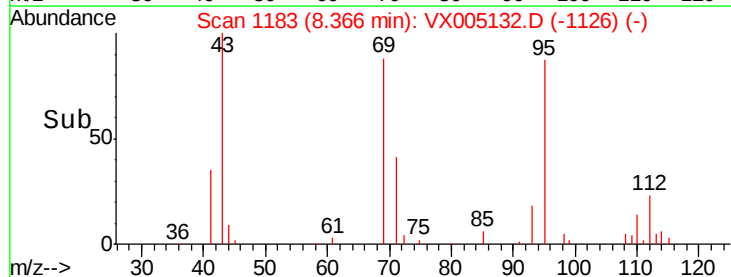
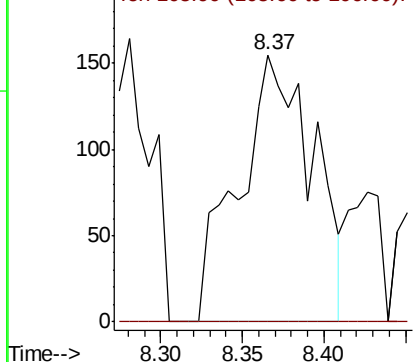


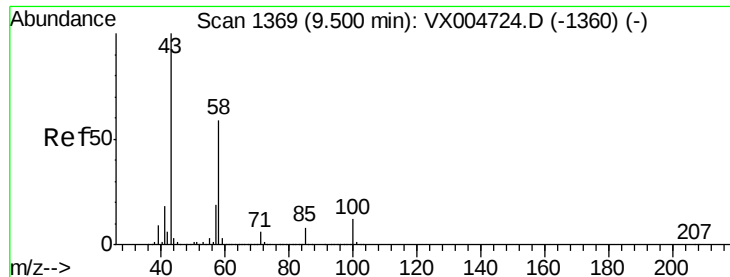
#58
2-Chloroethyl Vinyl ether
Concen: 14.443 ug/l
RT: 8.37 min Scan# 1183
Delta R.T. 0.05 min
Lab File: VX005132.D
Acq: 08 Oct 2018 17:22

Tgt Ion: 63 Resp: 493
Ion Ratio Lower Upper
63 100
106 0.0 21.0 31.6#



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 105.90 (105.60 to 106.60): V

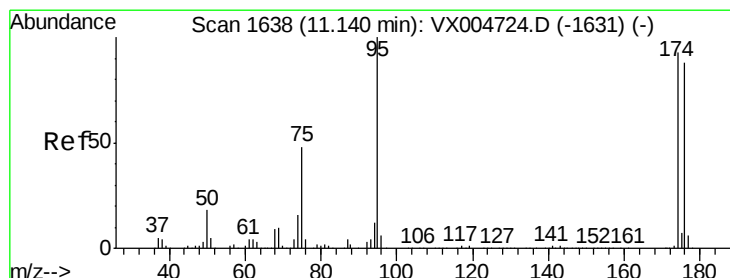
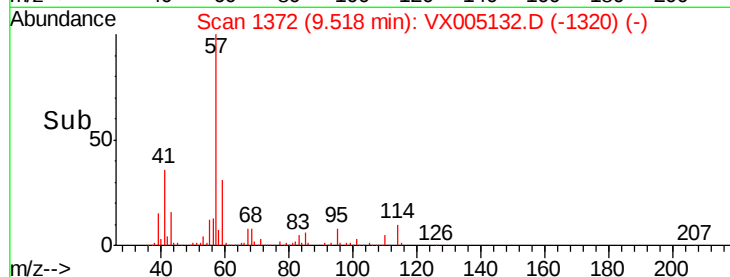
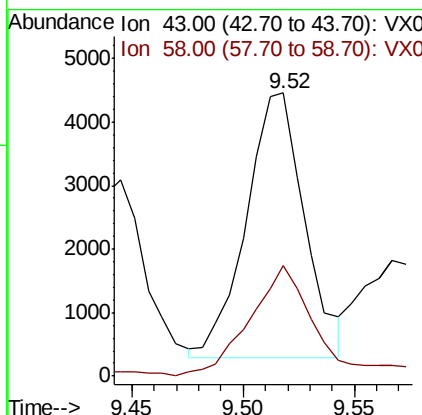
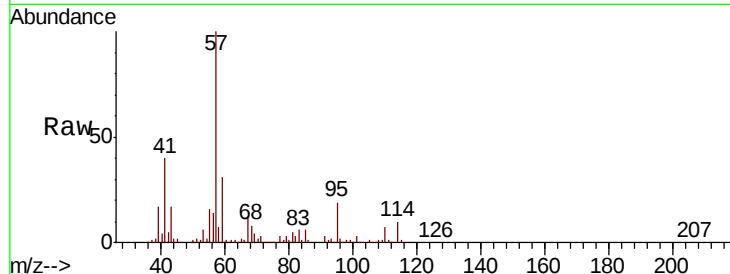




#59
2-Hexanone
Concen: 2.127 ug/l
RT: 9.52 min Scan# 1372
Delta R.T. 0.02 min
Lab File: VX005132.D
Acq: 08 Oct 2018 17:22

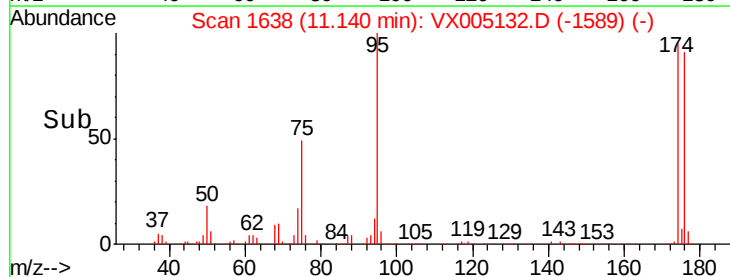
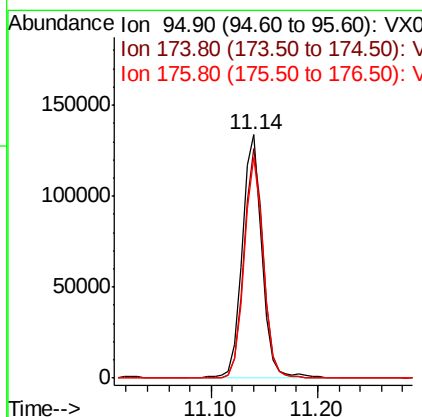
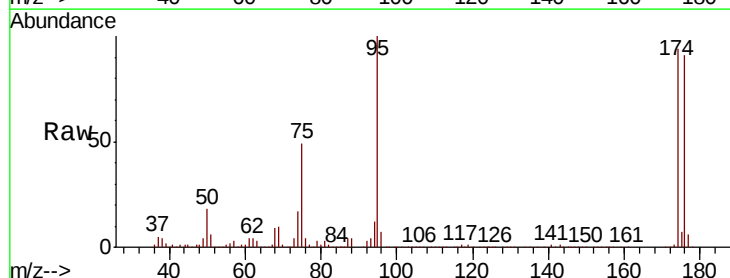
Instrument :
MSVOA_X
ClientSampled :
MW-4

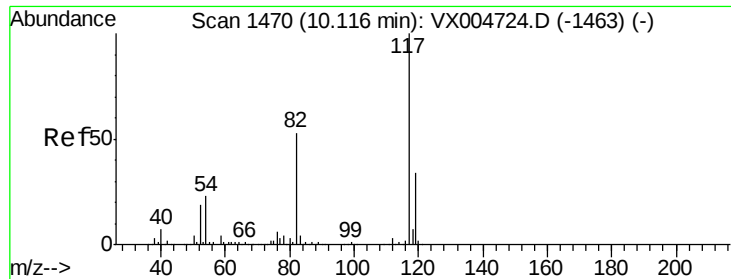
Tot Ion: 43 Resp: 7617
Ion Ratio Lower Upper
43 100
58 48.2 28.4 85.3



#62
4-Bromofluorobenzene
Concen: 55.644 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005132.D
Acq: 08 Oct 2018 17:22

Tgt Ion: 95 Resp: 174025
Ion Ratio Lower Upper
95 100
174 92.1 0.0 185.0
176 88.5 0.0 180.2

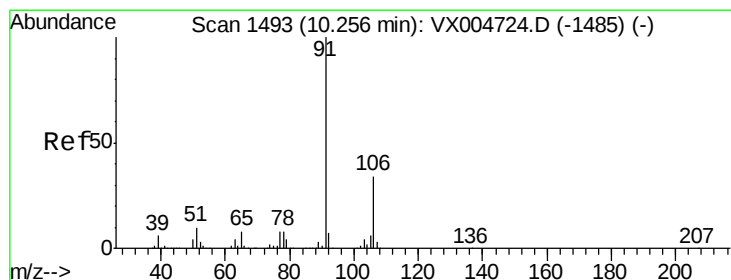
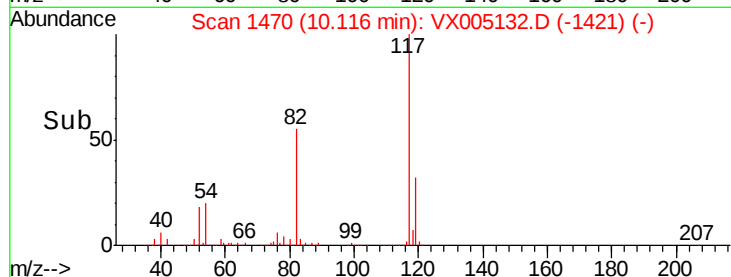
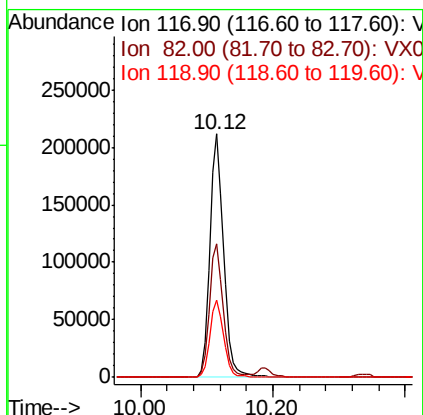
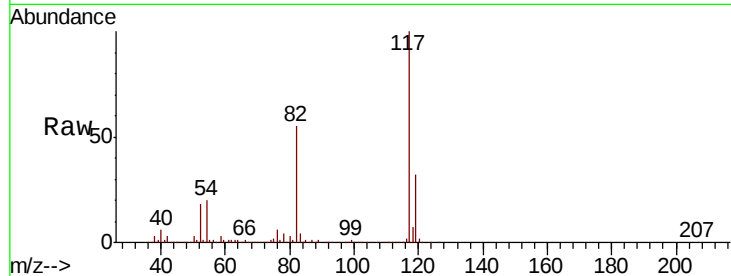




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005132.D
Acq: 08 Oct 2018 17:22

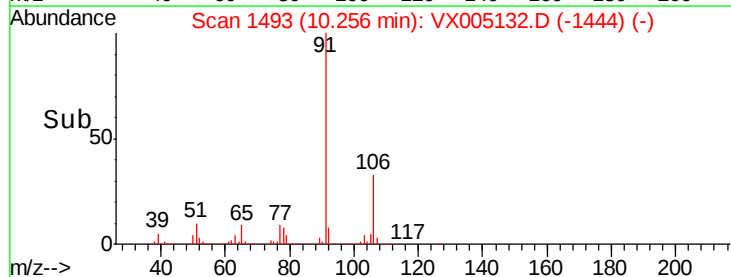
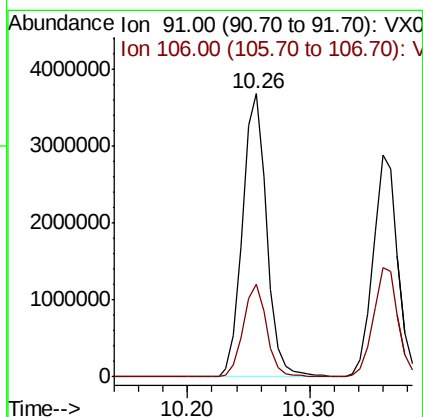
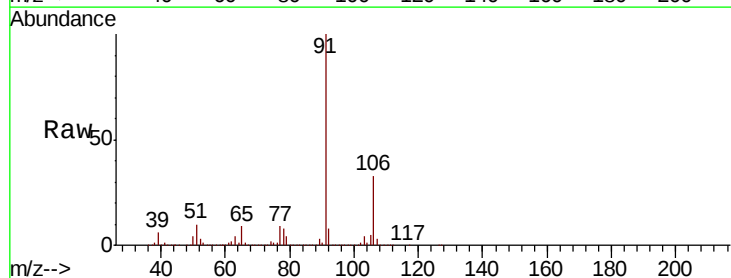
Instrument :
MSVOA_X
ClientSampled :
MW-4

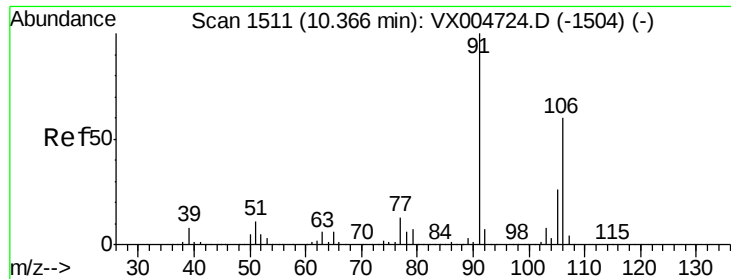
Tot Ion:117 Resp: 303658
Ion Ratio Lower Upper
117 100
82 55.0 42.2 63.4
119 31.8 27.4 41.0



#67
Ethyl Benzene
Concen: 406.976 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX005132.D
Acq: 08 Oct 2018 17:22

Tgt Ion: 91 Resp: 5031145
Ion Ratio Lower Upper
91 100
106 32.7 26.9 40.3

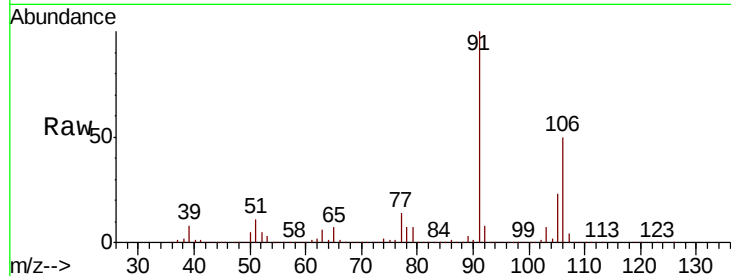




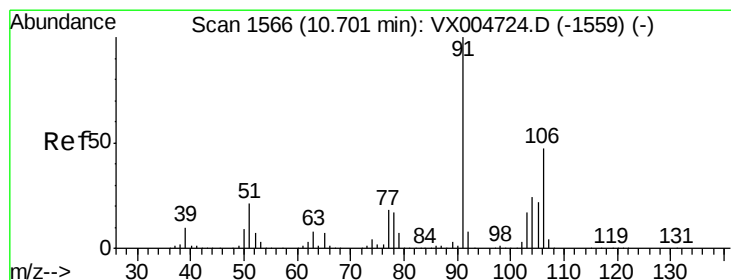
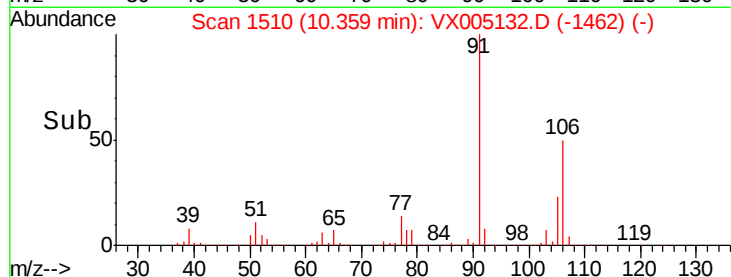
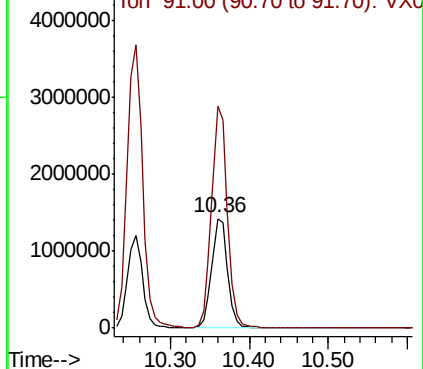
#68
m/p-Xvlenes
Concen: 416.009 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX005132.D
Acq: 08 Oct 2018 17:22

Instrument :
MSVOA_X
ClientSampled :
MW-4

Tot Ion:106 Resp: 2009670
Ion Ratio Lower Upper
106 100
91 201.1 157.5 236.3

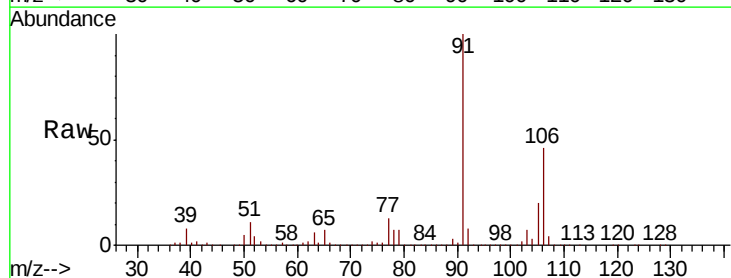


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

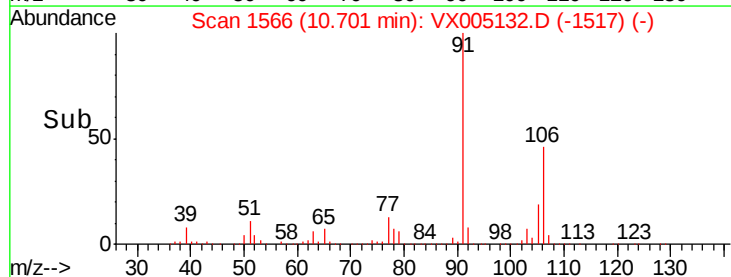
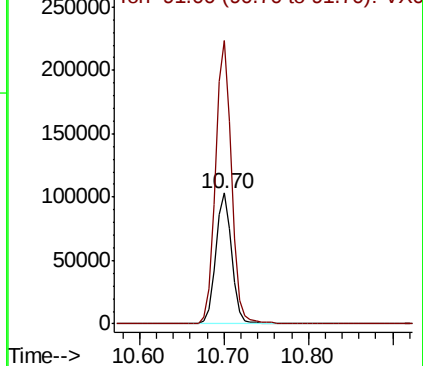


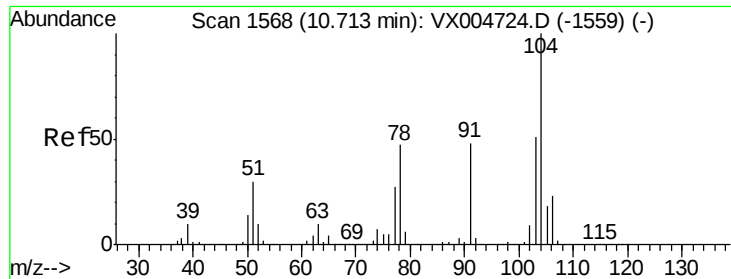
#69
o-Xylene
Concen: 30.552 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005132.D
Acq: 08 Oct 2018 17:22

Tgt Ion:106 Resp: 135564
Ion Ratio Lower Upper
106 100
91 216.7 108.3 324.8



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

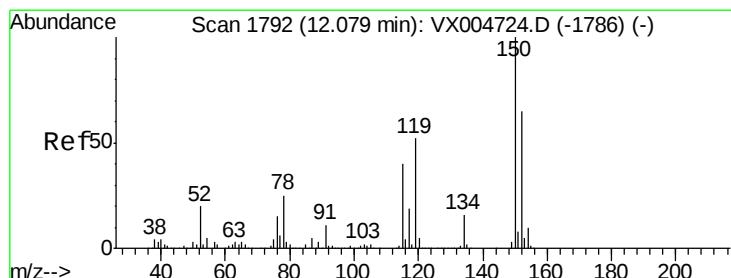
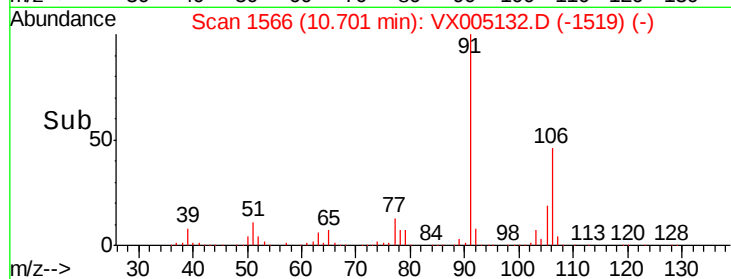
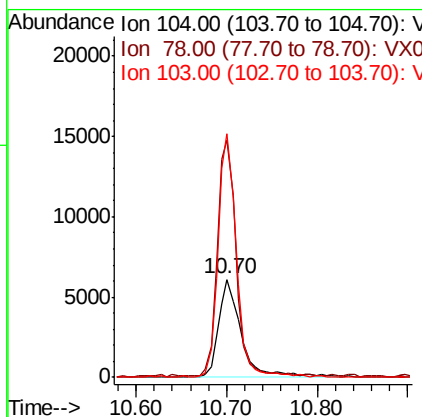
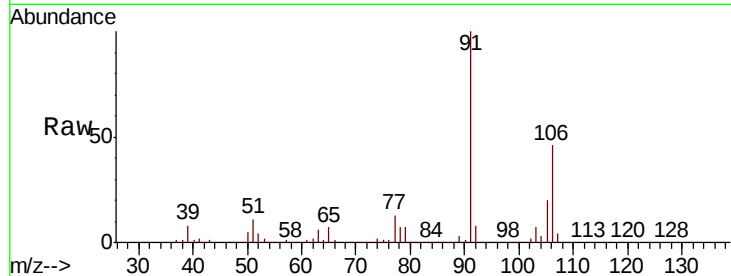




#70
Stvrene
Concen: 3.373 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VX005132.D
Acq: 08 Oct 2018 17:22

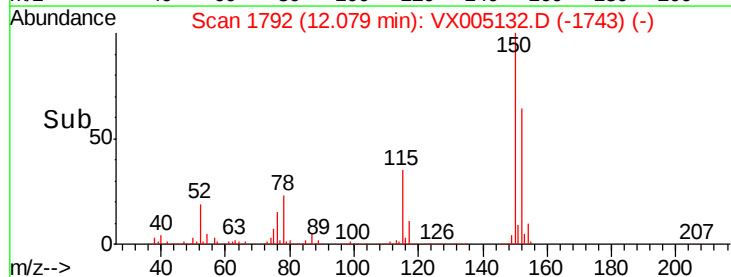
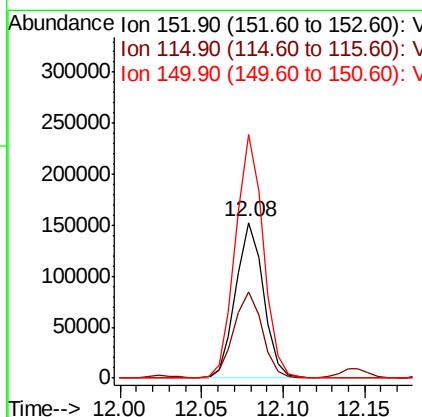
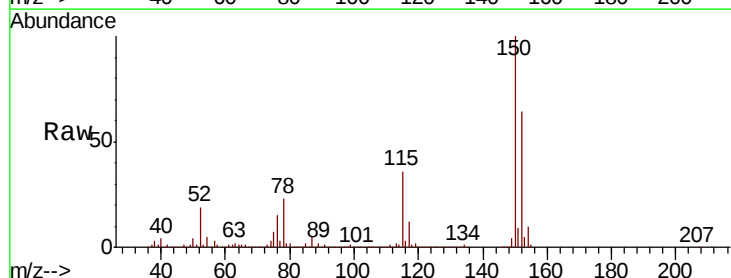
Instrument :
MSVOA_X
ClientSampleId :
MW-4

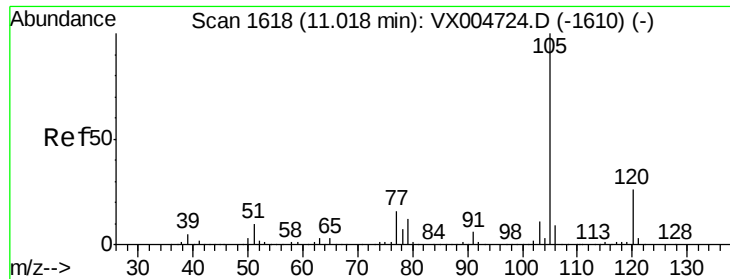
Tot Ion:104 Resp: 10688
Ion Ratio Lower Upper
104 100
78 195.2 40.0 60.0#
103 202.6 44.3 66.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005132.D
Acq: 08 Oct 2018 17:22

Tgt Ion:152 Resp: 182318
Ion Ratio Lower Upper
152 100
115 56.0 40.2 120.6
150 156.0 0.0 351.0





#73

Isopropylbenzene

Concen: 44.580 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005132.D

Acq: 08 Oct 2018 17:22

Instrument :

MSVOA_X

ClientSampled :

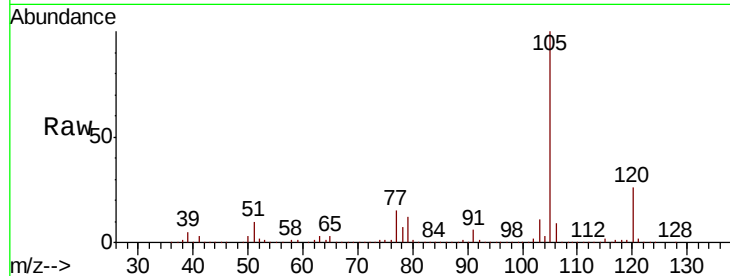
MW-4

Tot Ion:105 Resp: 512298

Ion Ratio Lower Upper

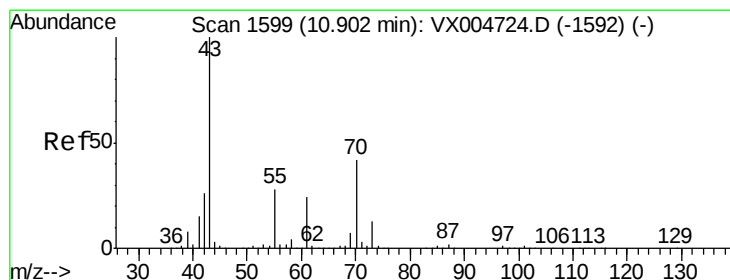
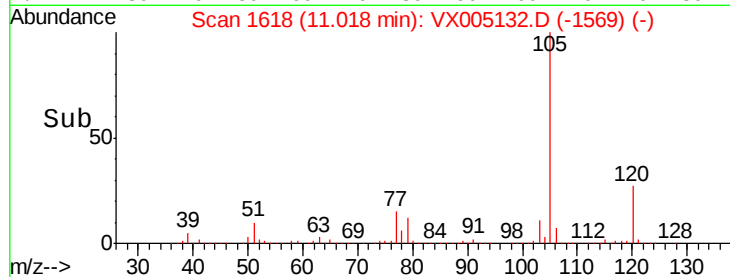
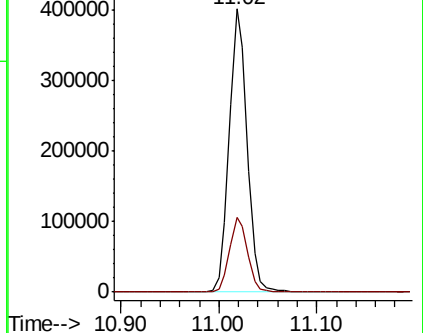
105 100

120 26.6 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 1.930 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX005132.D

Acq: 08 Oct 2018 17:22

Tgt Ion: 43 Resp: 1194

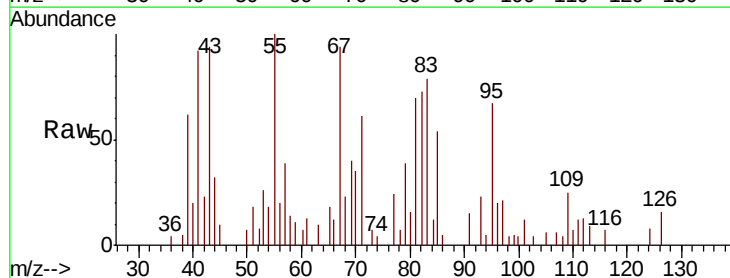
Ion Ratio Lower Upper

43 100

70 123.3 32.6 48.8#

55 200.6 21.6 32.4#

61 0.0 19.1 28.7#

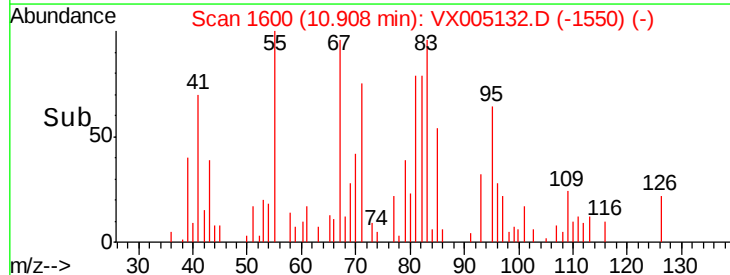
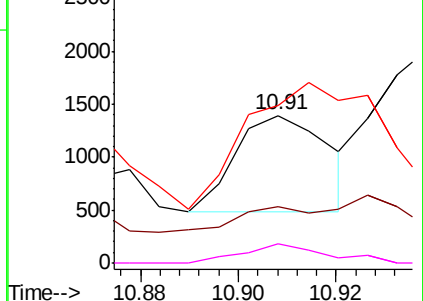


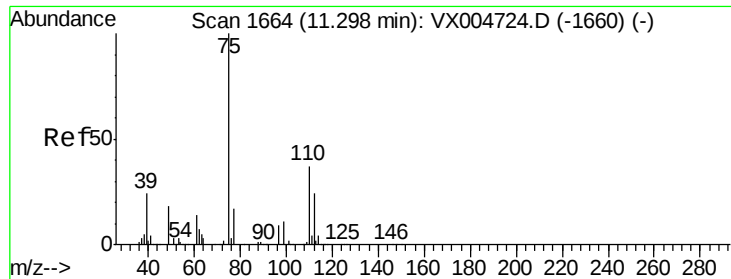
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 1.452 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.06 min

Lab File: VX005132.D

Acq: 08 Oct 2018 17:22

Instrument :

MSVOA_X

ClientSampleId :

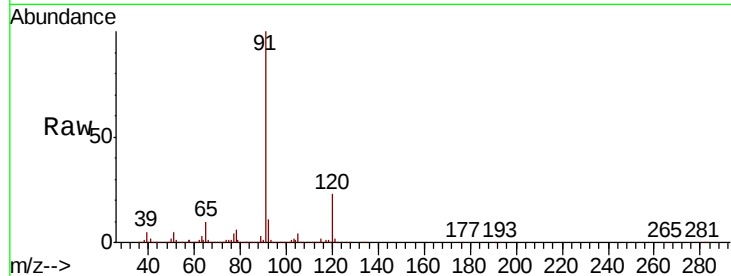
MW-4

Tot Ion: 75 Resp: 5935

Ion Ratio Lower Upper

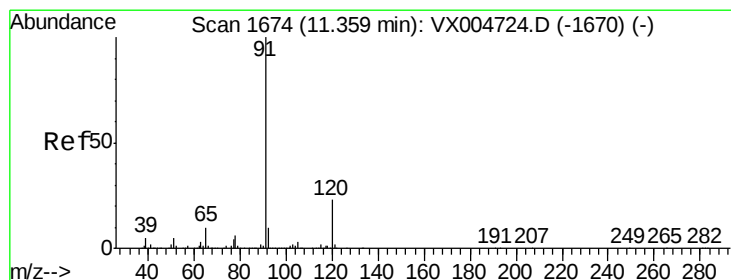
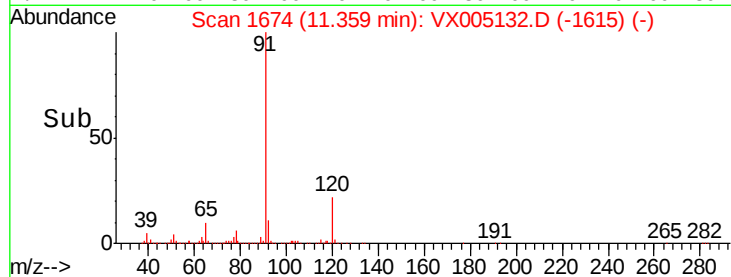
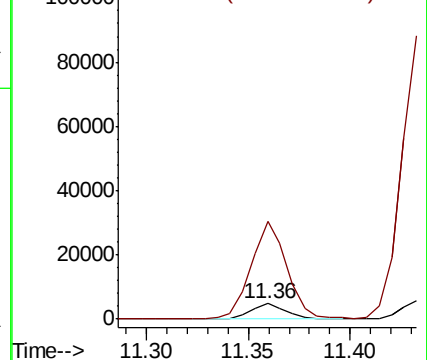
75 100

77 617.6 21.4 64.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#78

n-propylbenzene

Concen: 70.053 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005132.D

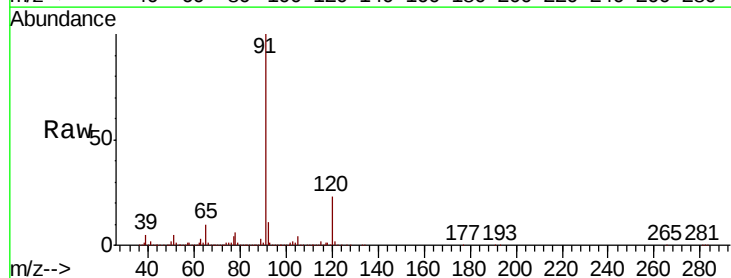
Acq: 08 Oct 2018 17:22

Tgt Ion: 91 Resp: 923679

Ion Ratio Lower Upper

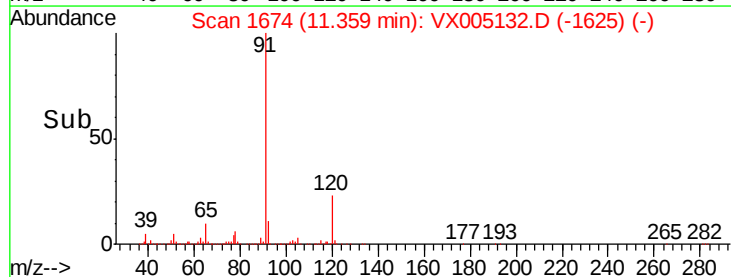
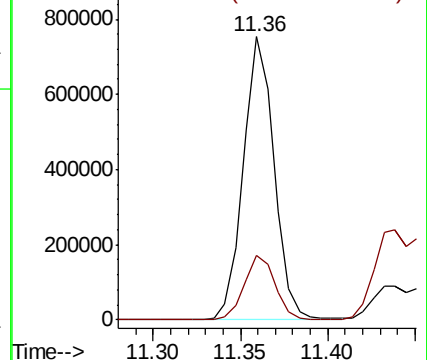
91 100

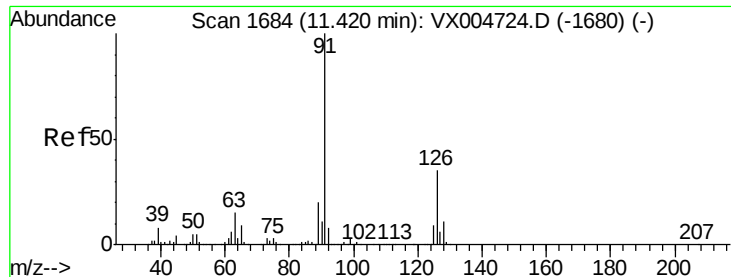
120 23.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

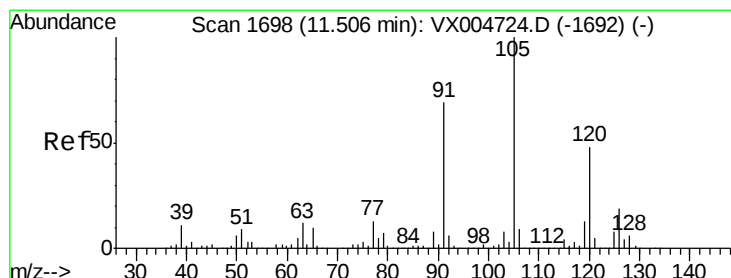
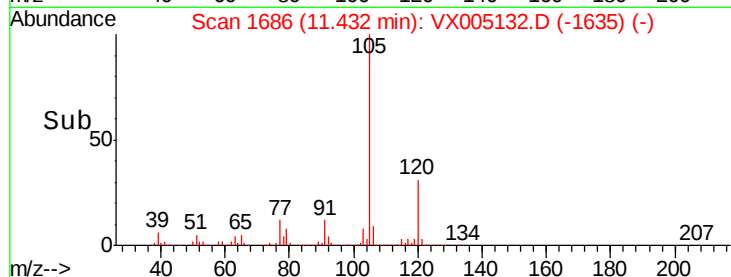
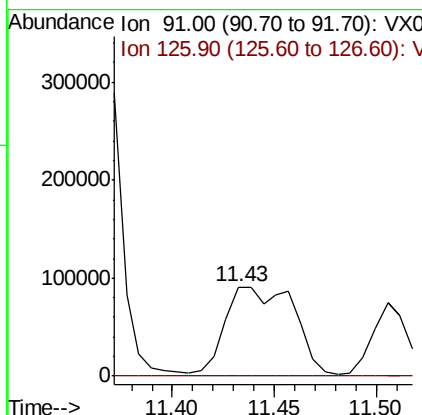
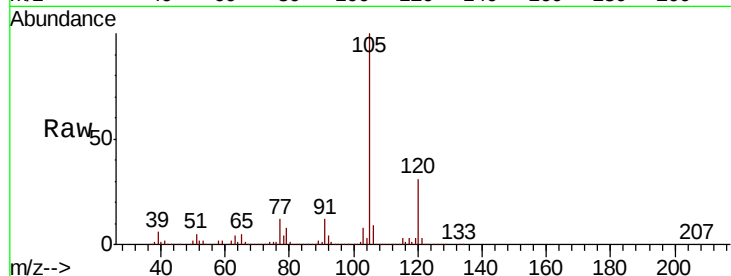




#79
 2-Chlorotoluene
 Concen: 25.994 ug/l
 RT: 11.43 min Scan# 1686
 Delta R.T. 0.01 min
 Lab File: VX005132.D
 Acq: 08 Oct 2018 17:22

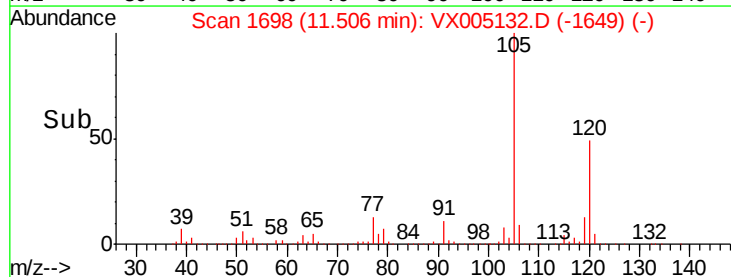
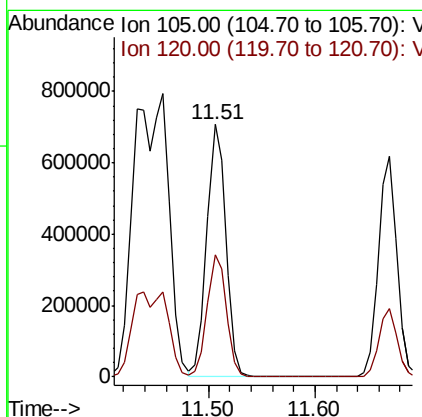
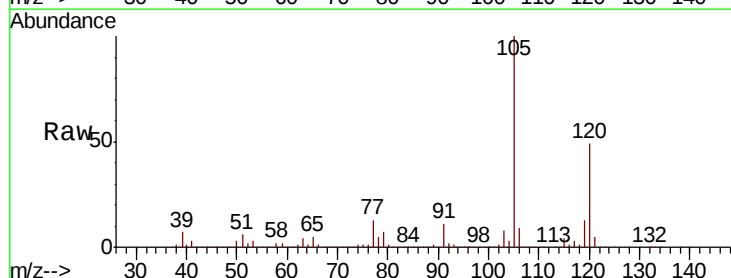
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

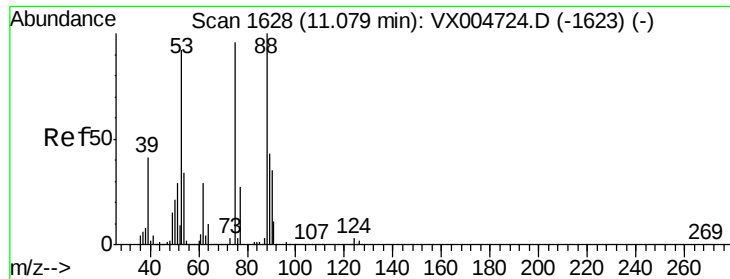
Tot Ion: 91 Resp: 213640
 Ion Ratio Lower Upper
 91 100
 126 0.2 17.6 52.9#



#80
 1,3,5-Trimethylbenzene
 Concen: 81.485 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005132.D
 Acq: 08 Oct 2018 17:22

Tgt Ion: 105 Resp: 856942
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 56.314 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX005132.D

Acq: 08 Oct 2018 17:22

Instrument :

MSVOA_X

ClientSampleId :

MW-4

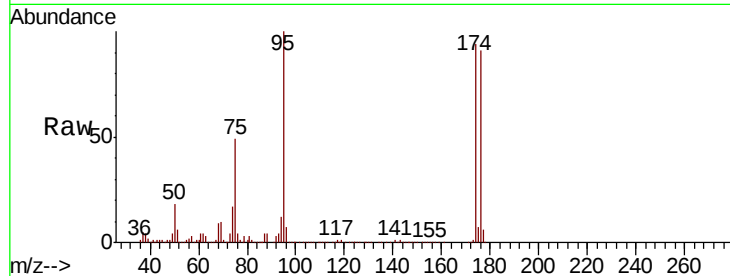
Tot Ion: 75 Resp: 84766

Ion Ratio Lower Upper

75 100

53 0.0 80.2 120.4#

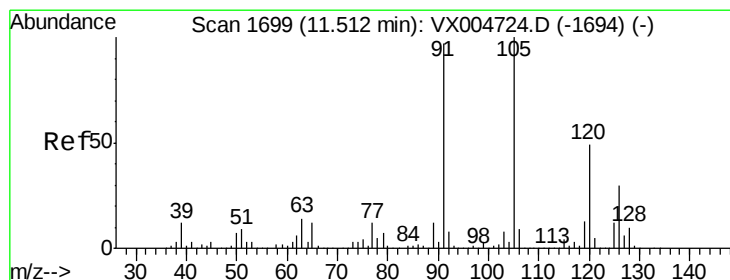
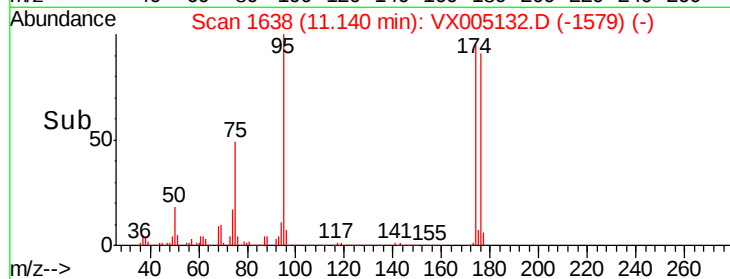
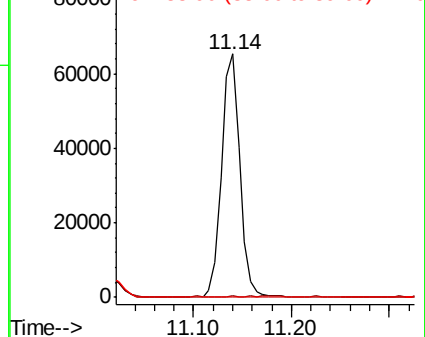
89 0.0 37.1 55.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 9.254 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX005132.D

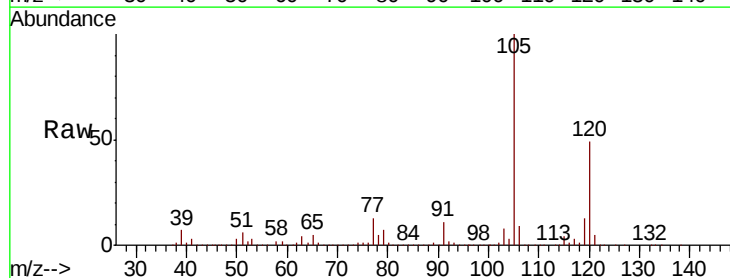
Acq: 08 Oct 2018 17:22

Tgt Ion: 91 Resp: 89524

Ion Ratio Lower Upper

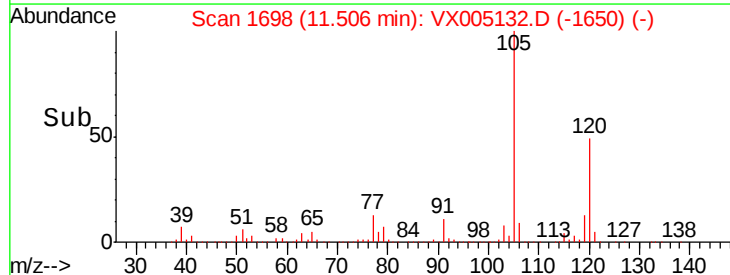
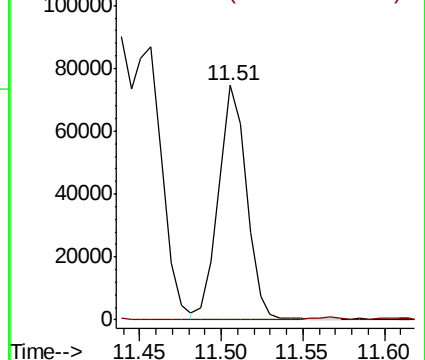
91 100

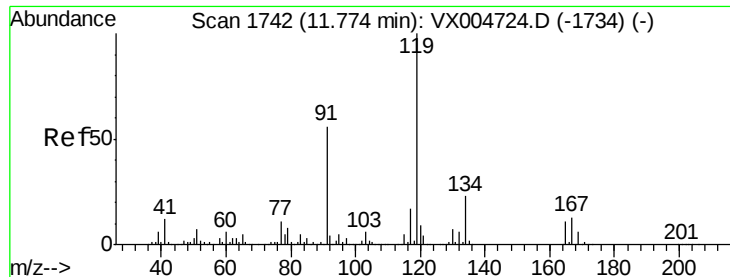
126 0.0 15.5 46.5#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

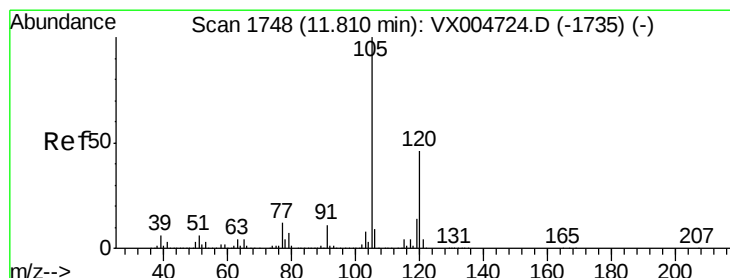
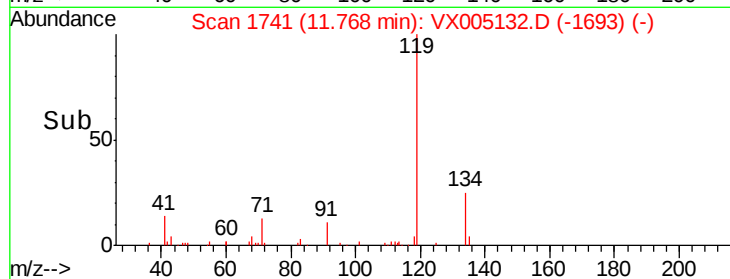
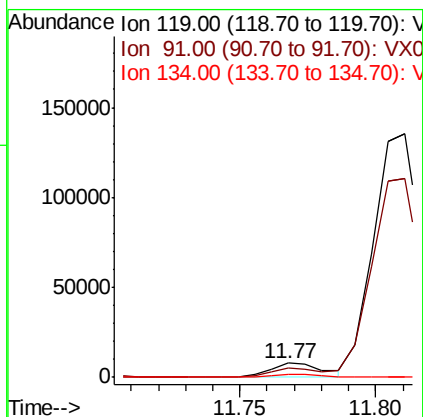
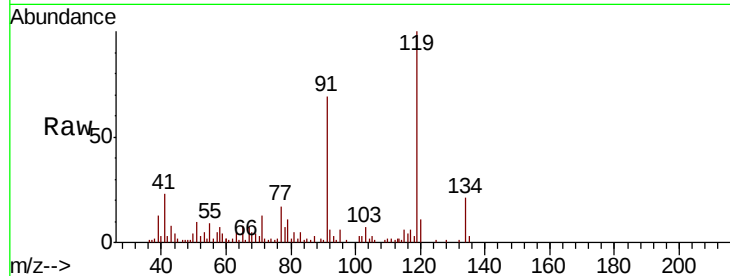




#83
tert-Butylbenzene
Concen: 1.121 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.01 min
Lab File: VX005132.D
Acq: 08 Oct 2018 17:22

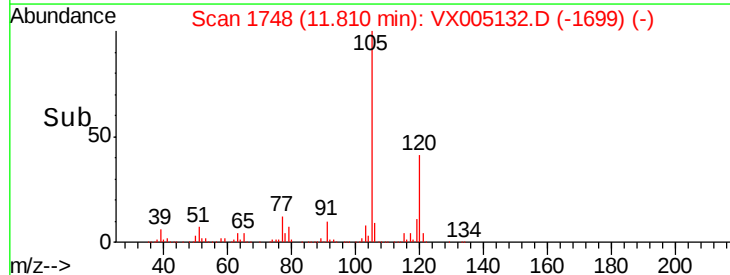
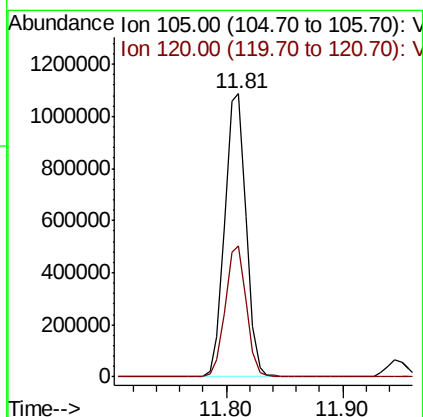
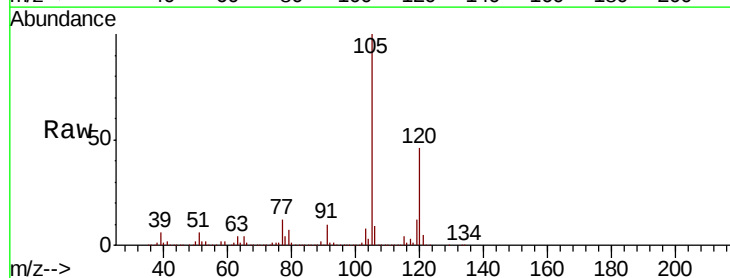
Instrument :
MSVOA_X
ClientSampled :
MW-4

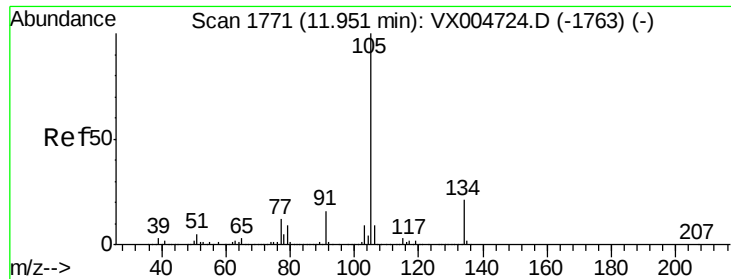
Tot Ion:119 Resp: 10606
Ion Ratio Lower Upper
119 100
91 58.2 27.5 82.5
134 23.2 11.5 34.4



#84
1,2,4-Trimethylbenzene
Concen: 126.926 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VX005132.D
Acq: 08 Oct 2018 17:22

Tgt Ion:105 Resp: 1375362
Ion Ratio Lower Upper
105 100
120 45.7 22.8 68.3

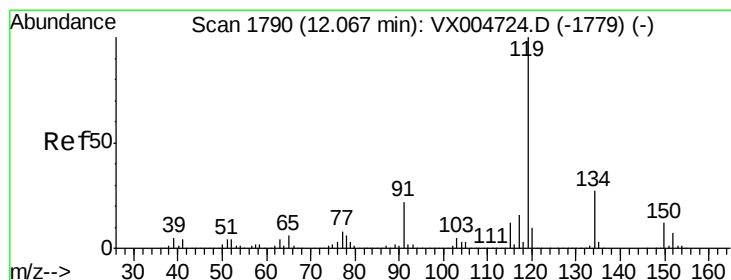
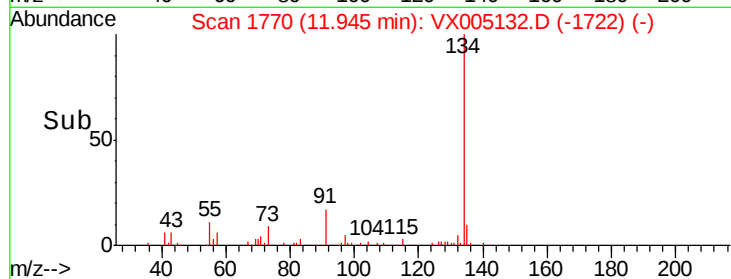
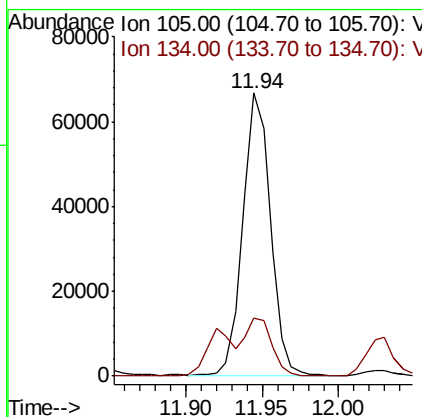
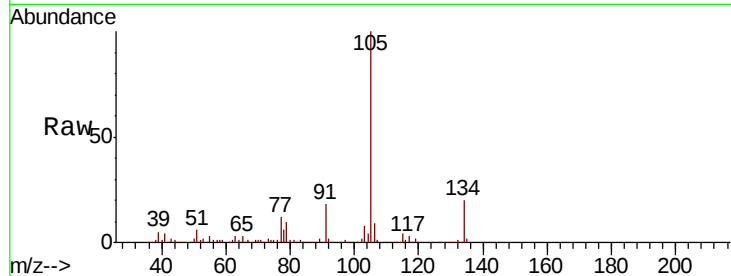




#85
 sec-Butylbenzene
 Concen: 7.227 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.01 min
 Lab File: VX005132.D
 Acq: 08 Oct 2018 17:22

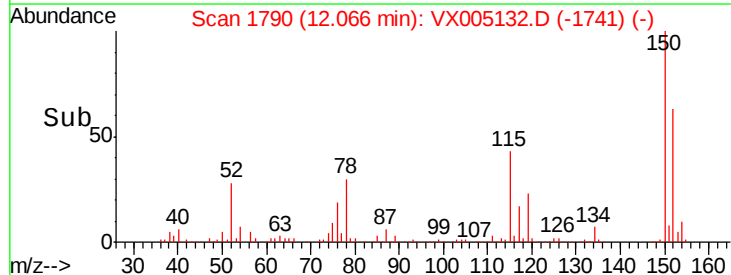
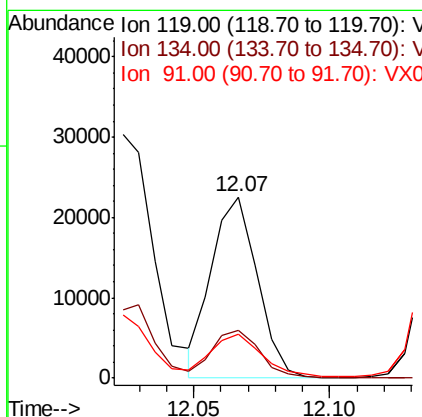
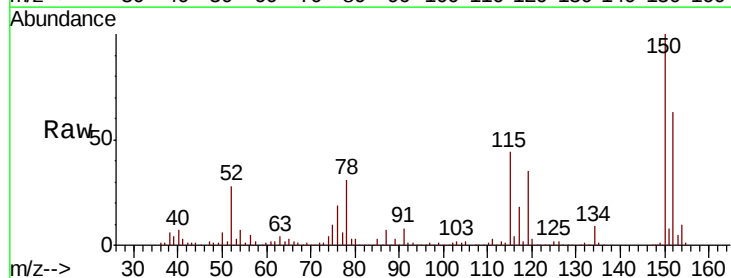
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

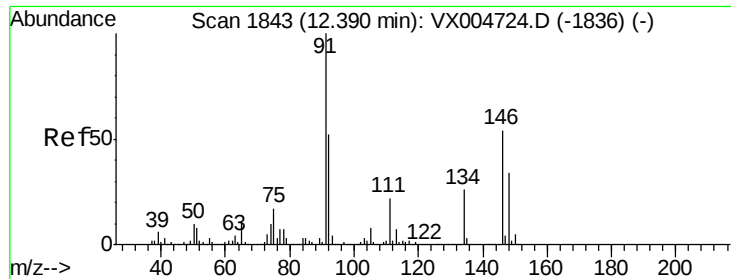
Tot Ion:105 Resp: 83287
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 2.533 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX005132.D
 Acq: 08 Oct 2018 17:22

Tgt Ion:119 Resp: 26448
 Ion Ratio Lower Upper
 119 100
 134 27.5 13.4 40.1
 91 0.0 11.5 34.4#

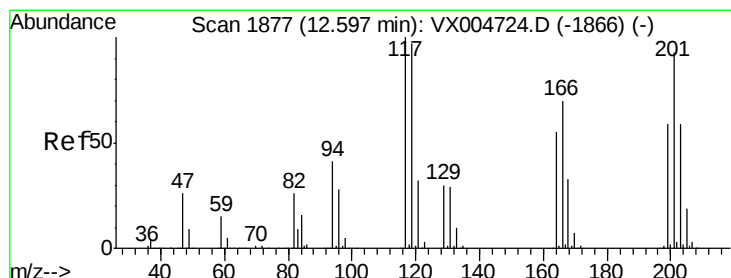
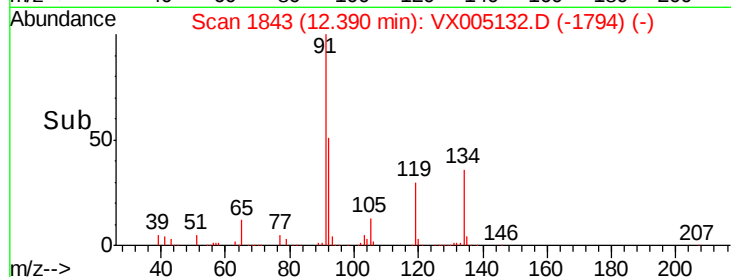
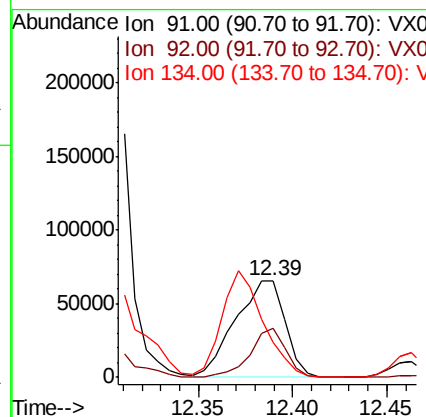
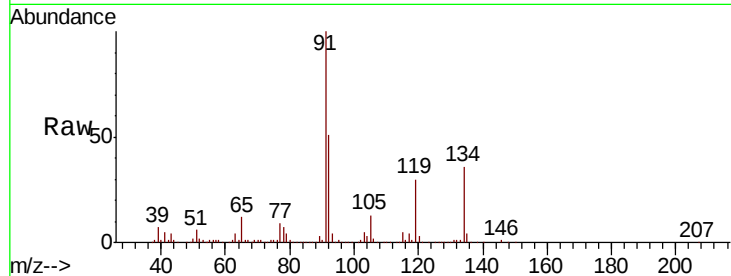




#89
n-Butylbenzene
Concen: 12.601 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005132.D
Acq: 08 Oct 2018 17:22

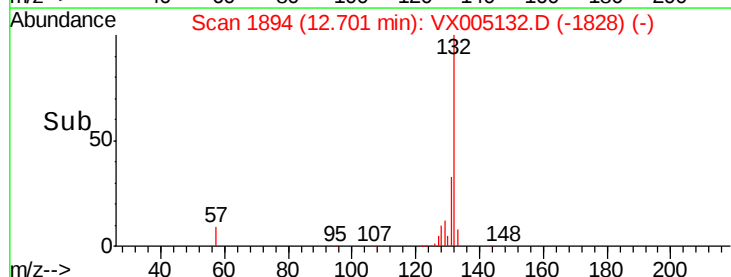
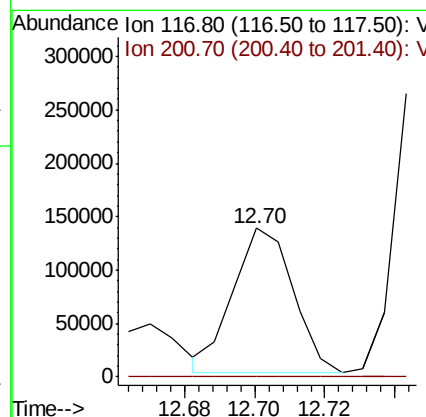
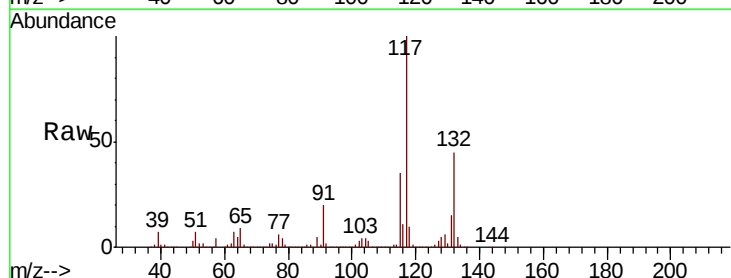
Instrument :
MSVOA_X
ClientSampled :
MW-4

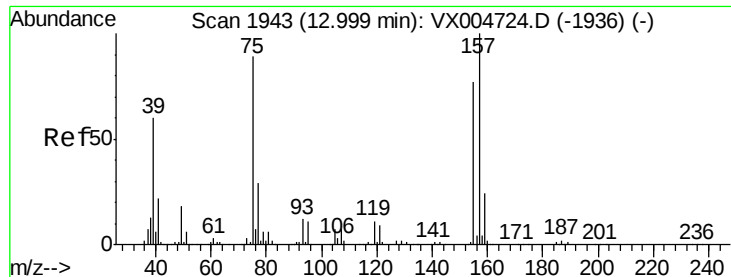
Tot Ion: 91 Resp: 119491
Ion Ratio Lower Upper
91 100
92 36.8 26.0 78.0
134 91.5 13.2 39.6#



#90
Hexachloroethane
Concen: 93.260 ug/l
RT: 12.70 min Scan# 1894
Delta R.T. 0.10 min
Lab File: VX005132.D
Acq: 08 Oct 2018 17:22

Tgt Ion: 117 Resp: 162126
Ion Ratio Lower Upper
117 100
201 0.0 48.4 145.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.139 ug/l

RT: 12.98 min Scan# 1940

Delta R.T. -0.02 min

Lab File: VX005132.D

Acq: 08 Oct 2018 17:22

Instrument :

MSVOA_X

ClientSampled :

MW-4

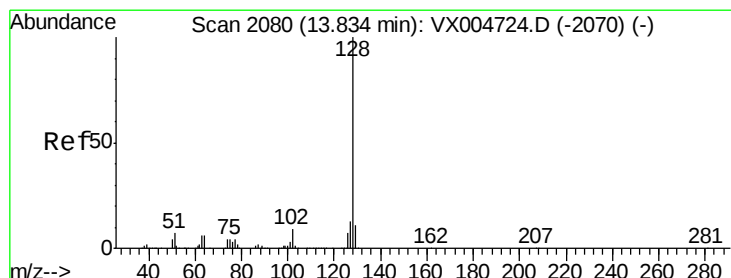
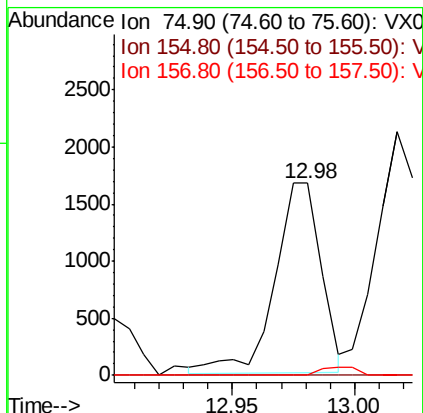
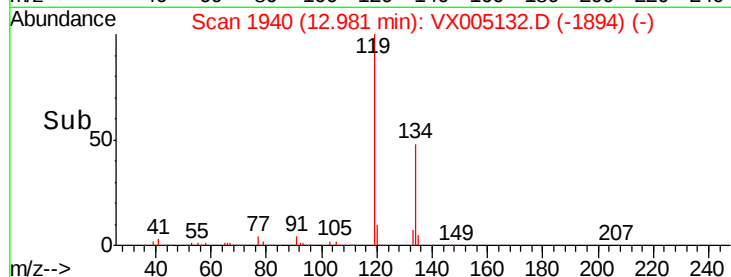
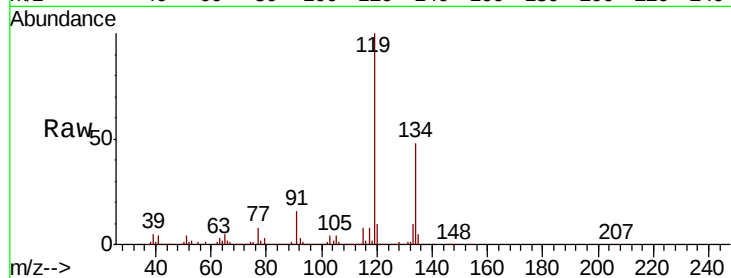
Tot Ion: 75 Resp: 2197

Ion Ratio Lower Upper

75 100

155 0.0 46.1 138.3#

157 3.2 60.2 180.6#



#95

Naphthalene

Concen: 103.551 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005132.D

Acq: 08 Oct 2018 17:22

Tgt Ion:128 Resp: 1582235

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 11.2 8.7 13.1

