

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081918\
 Data File : VW004770.D
 Acq On : 18 Aug 2018 09:31
 Operator : SY/AP
 Sample : J4521-04
 Misc : 6.45G/5ML/MSVOA W/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CHRT26100

Quant Time: Aug 20 12:00:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:49:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	476778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	740924	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	476291	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	99933	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	252493	54.78	ug/l	0.00
Spiked Amount			Recovery	=	109.56%	
35) Dibromofluoromethane	7.88	113	247308	52.22	ug/l	0.00
Spiked Amount			Recovery	=	104.44%	
50) Toluene-d8	10.33	98	684176	37.01	ug/l	0.00
Spiked Amount			Recovery	=	74.02%	
62) 4-Bromofluorobenzene	12.63	95	135273	20.34	ug/l	0.00
Spiked Amount			Recovery	=	40.68%	

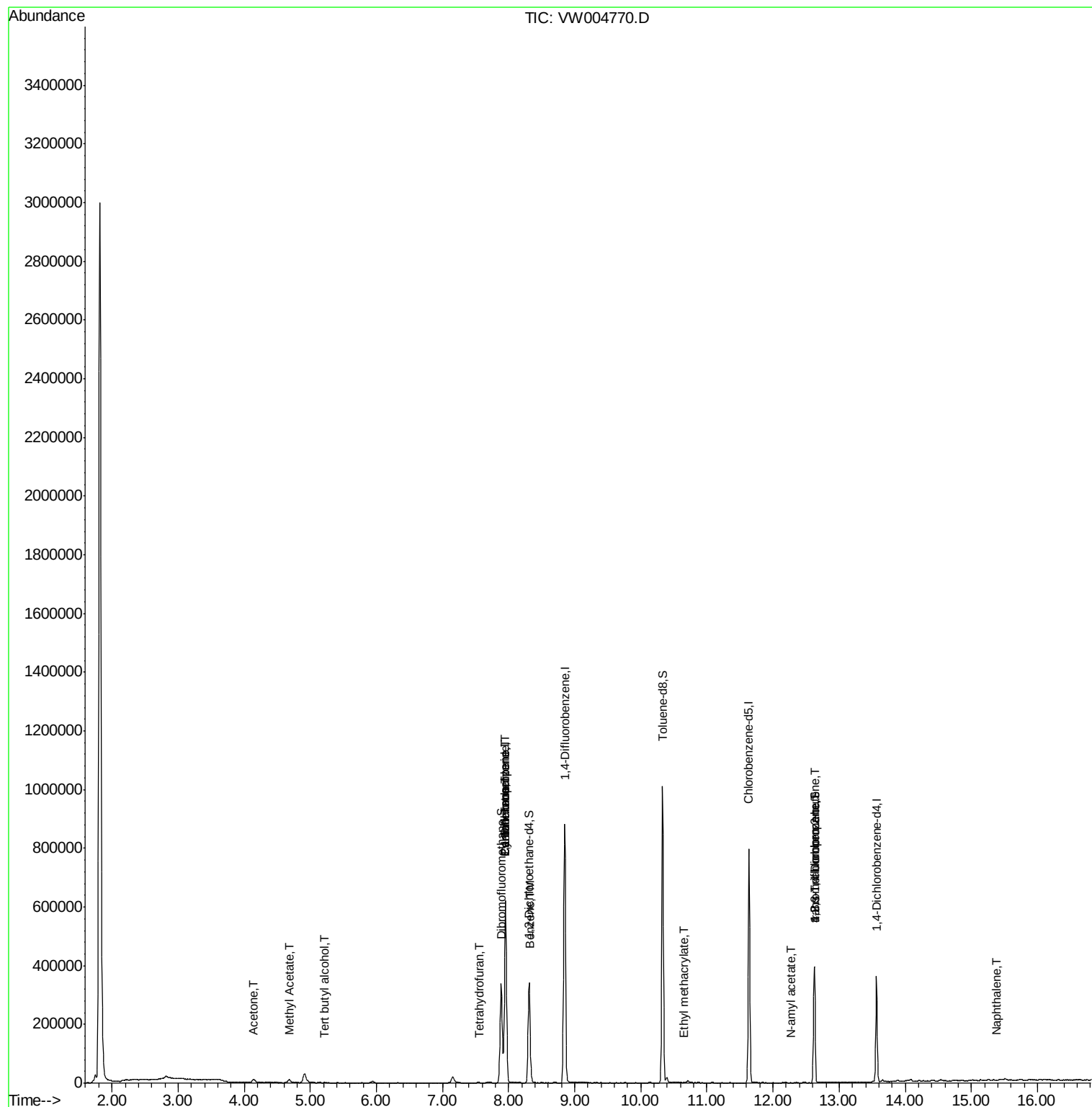
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	307	1.19	ug/l #	72
16) Acetone	4.14	43	20115	17.09	ug/l	92
18) Methyl Acetate	4.68	43	20375	8.08	ug/l	93
29) Tetrahydrofuran	7.55	42	875	1.02	ug/l	88
31) Cyclohexane	7.95	56	9311	1.03	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	34661	4.54	ug/l #	50
38) Carbon Tetrachloride	7.95	117	44679	6.36	ug/l #	16
40) Benzene	8.32	78	25753	1.16	ug/l	96
56) Ethyl methacrylate	10.64	69	20	2.98	ug/l #	1
74) N-amyl acetate	12.28	43	19	4.03	ug/l #	4
76) 1,2,3-Trichloropropane	12.62	75	63771	72.39	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	63771	168.25	ug/l #	14
95) Naphthalene	15.38	128	1023	3.74	ug/l #	86

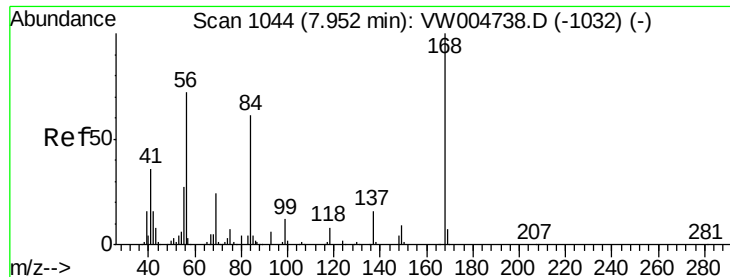
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004770.D

Acq: 18 Aug 2018 09:31

Instrument :

MSVOA_W

ClientSampleId :

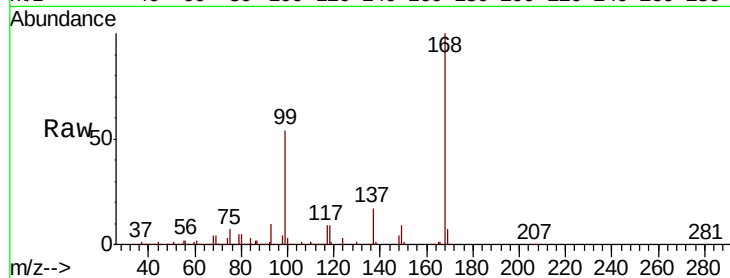
CHRT26100

Tot Ion:168 Resp: 476778

Ion Ratio Lower Upper

168 100

99 54.2 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

150000

100000

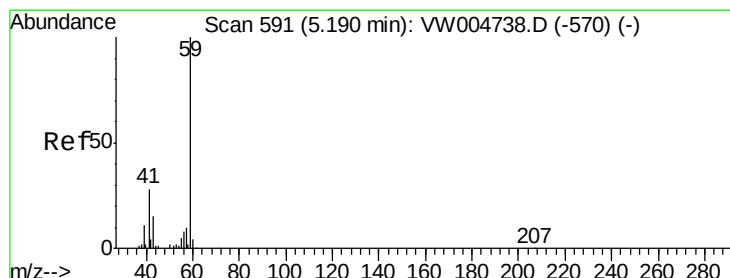
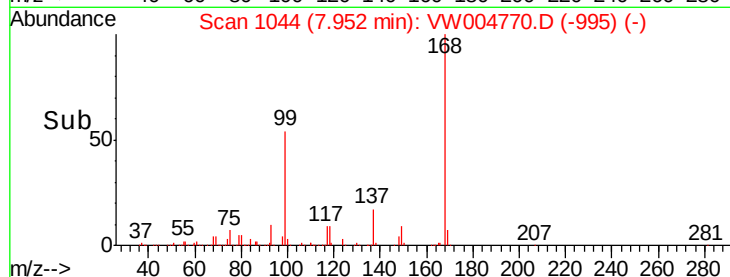
50000

0

7.90

8.00

Time-->



#11

Tert butyl alcohol

Concen: 1.19 ug/l

RT: 5.21 min Scan# 594

Delta R.T. 0.02 min

Lab File: VW004770.D

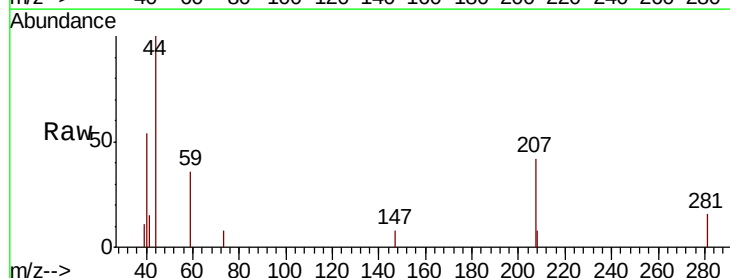
Acq: 18 Aug 2018 09:31

Tgt Ion: 59 Resp: 307

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.21

300

250

200

150

100

50

0

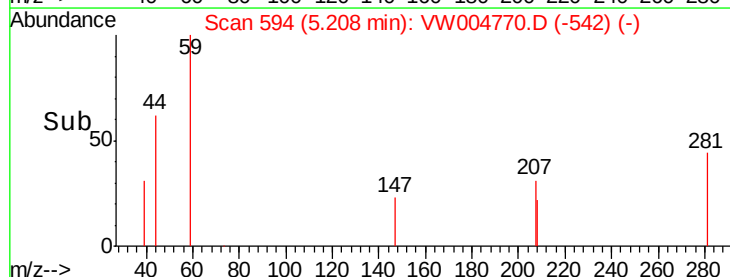
5.16

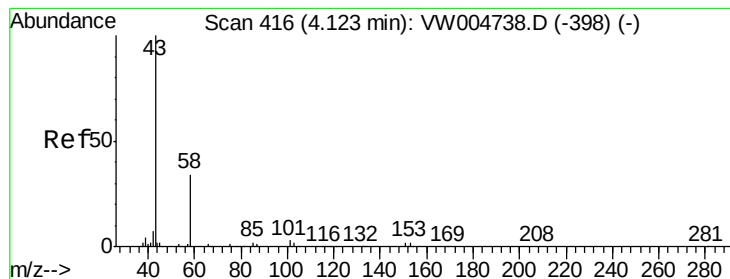
5.18

5.20

5.22

Time-->





#16

Acetone

Concen: 17.09 ug/l

RT: 4.14 min Scan# 419

Delta R.T. 0.02 min

Lab File: VW004770.D

Acq: 18 Aug 2018 09:31

Instrument :

MSVOA_W

ClientSampleId :

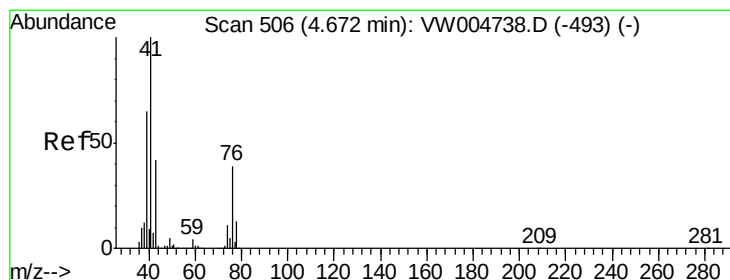
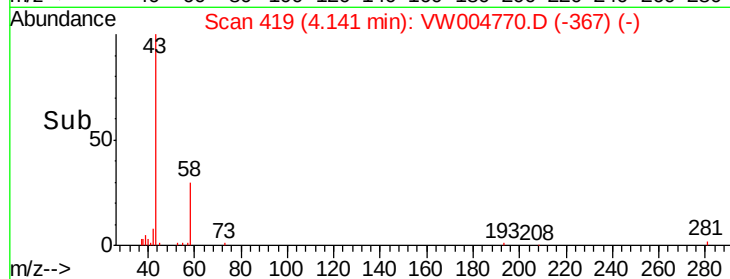
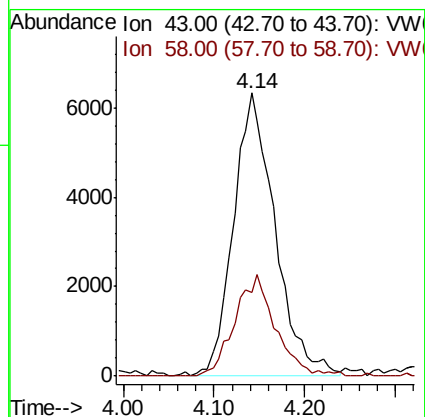
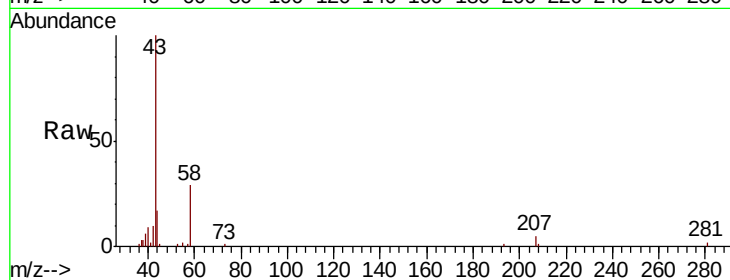
CHRT26100

Tot Ion: 43 Resp: 20115

Ion Ratio Lower Upper

43 100

58 29.4 27.3 40.9



#18

Methyl Acetate

Concen: 8.08 ug/l

RT: 4.68 min Scan# 508

Delta R.T. 0.01 min

Lab File: VW004770.D

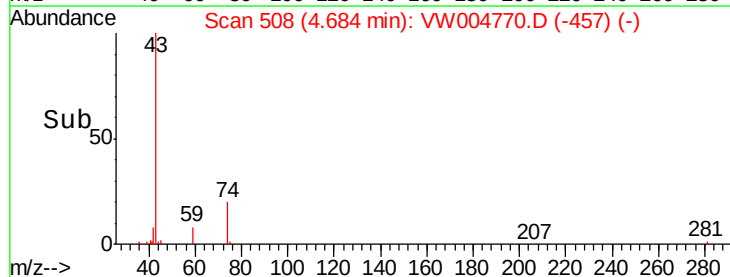
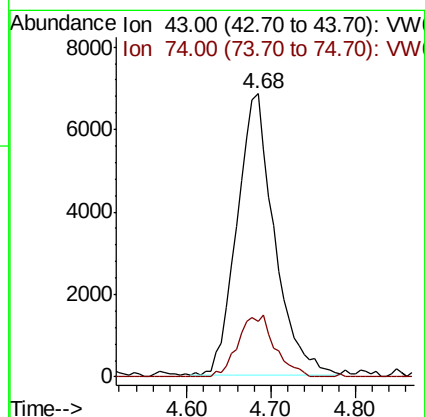
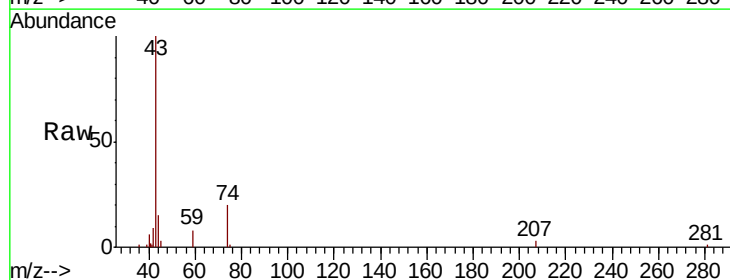
Acq: 18 Aug 2018 09:31

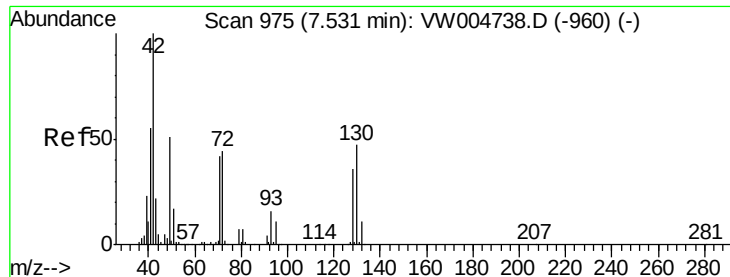
Tgt Ion: 43 Resp: 20375

Ion Ratio Lower Upper

43 100

74 21.5 19.8 29.8

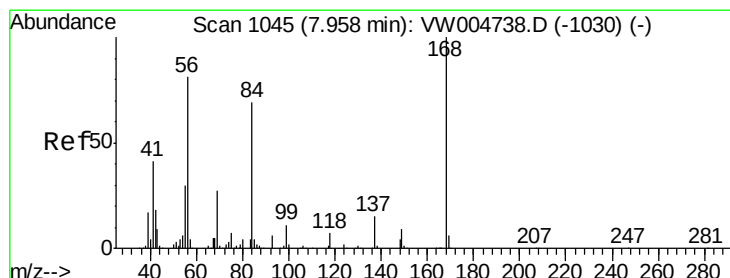
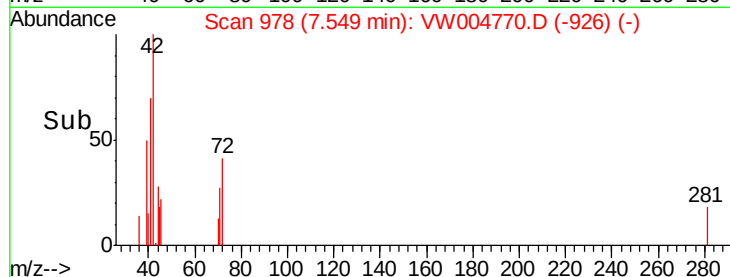
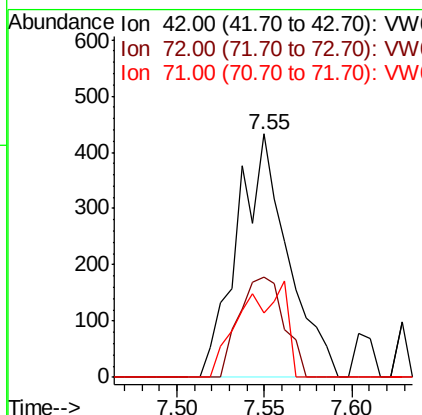
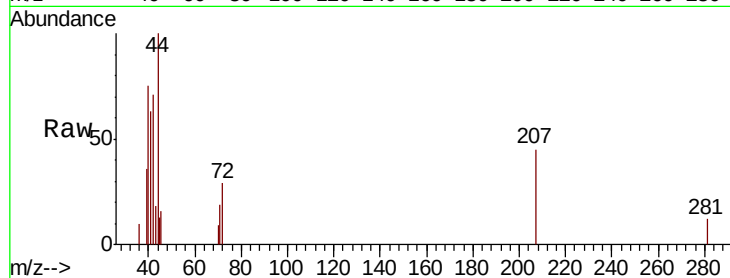




#29
Tetrahydrofuran
Concen: 1.02 ug/l
RT: 7.55 min Scan# 978
Delta R.T. 0.02 min
Lab File: VW004770.D
Acq: 18 Aug 2018 09:31

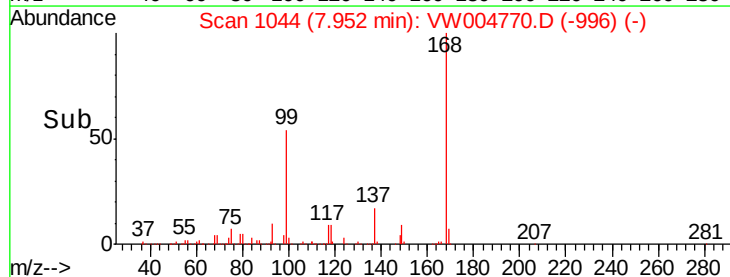
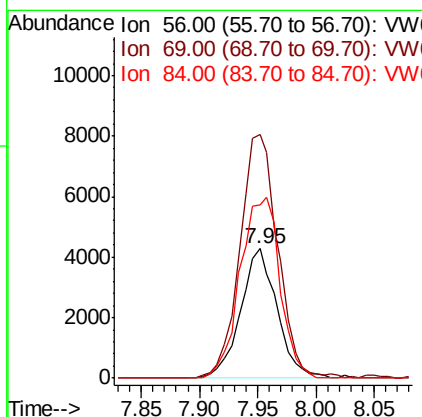
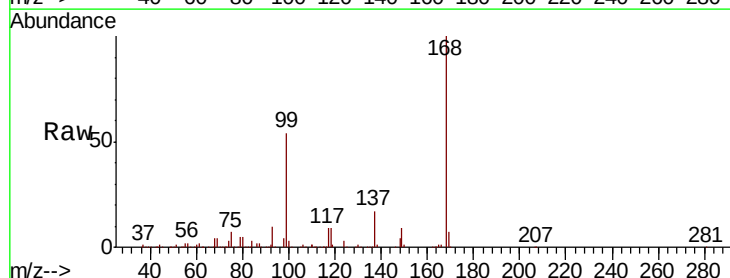
Instrument :
MSVOA_W
ClientSampleId :
CHRT26100

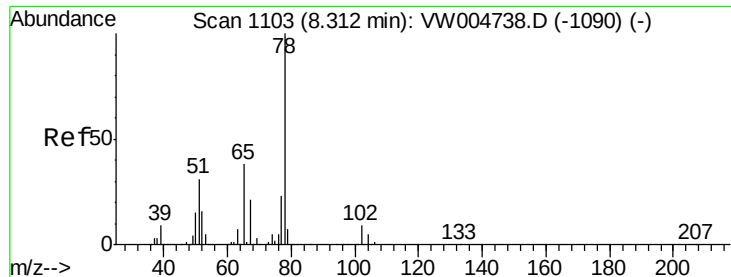
Tot Ion: 42 Resp: 875
Ion Ratio Lower Upper
42 100
72 36.5 34.9 52.3
71 34.5 33.8 50.6



#31
Cyclohexane
Concen: 1.03 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW004770.D
Acq: 18 Aug 2018 09:31

Tgt Ion: 56 Resp: 9311
Ion Ratio Lower Upper
56 100
69 188.3 27.1 40.7#
84 133.9 68.3 102.5#

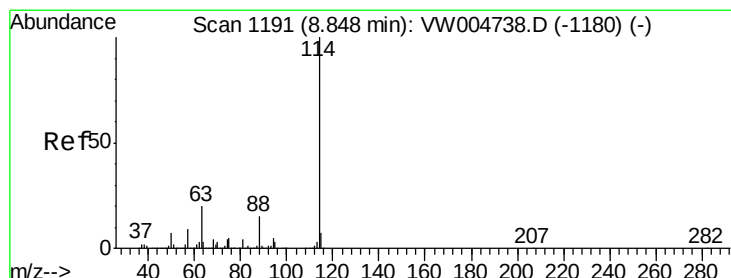
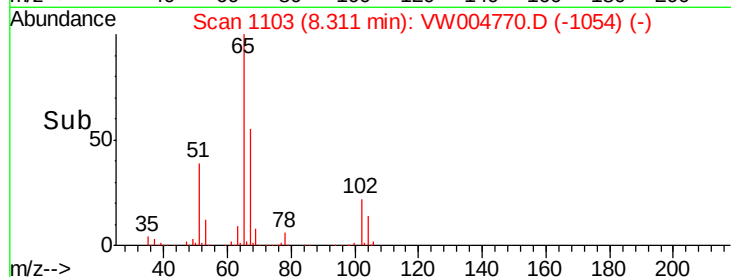
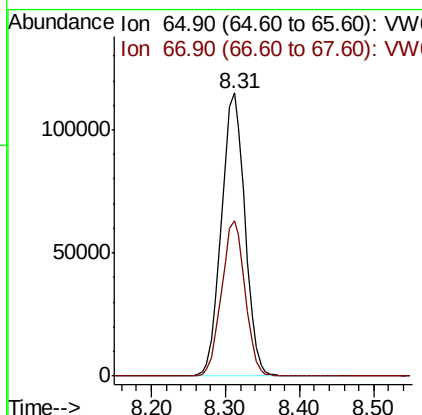
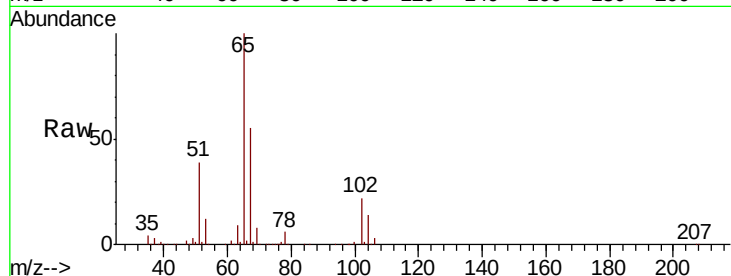




#33
 1,2-Dichloroethane-d4
 Concen: 54.78 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW004770.D
 Acq: 18 Aug 2018 09:31

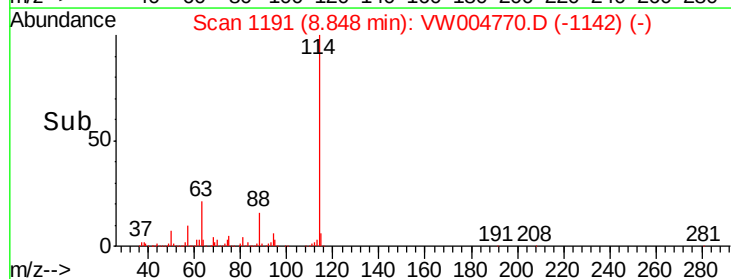
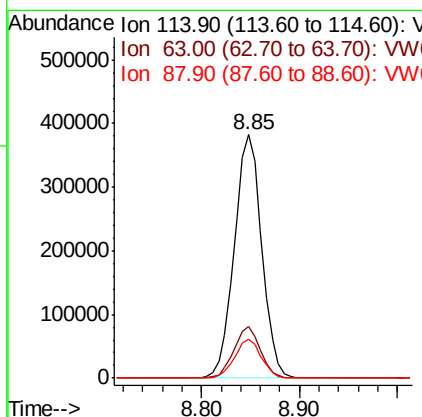
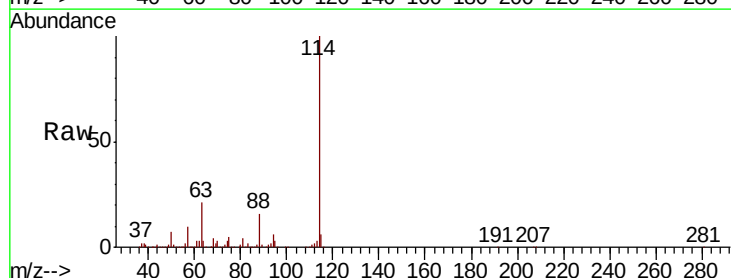
Instrument :
 MSVOA_W
 ClientSampled :
 CHRT26100

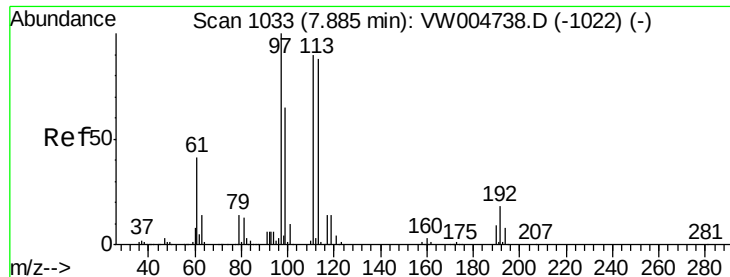
Tot Ion: 65 Resp: 252493
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004770.D
 Acq: 18 Aug 2018 09:31

Tgt Ion: 114 Resp: 740924
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 39.0
 88 15.9 0.0 30.0

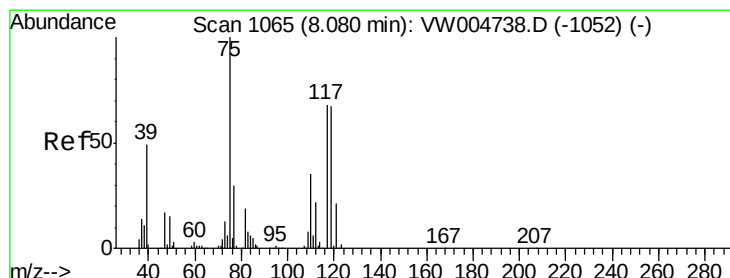
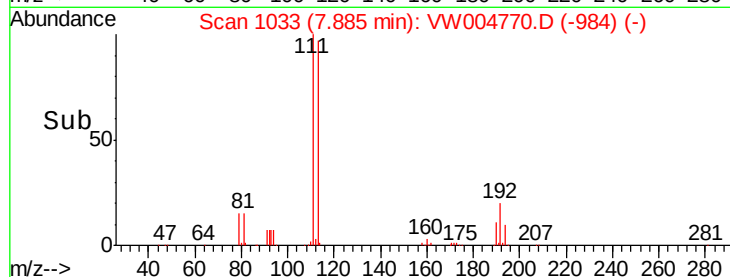
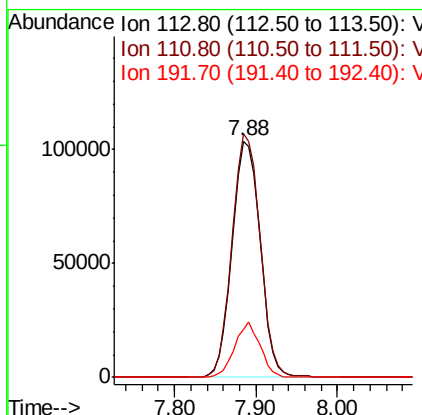
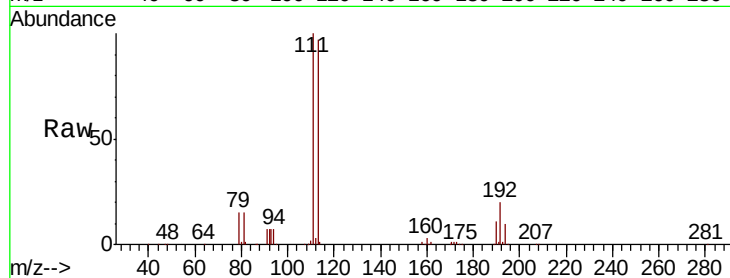




#35
 Dibromofluoromethane
 Concen: 52.22 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW004770.D
 Acq: 18 Aug 2018 09:31

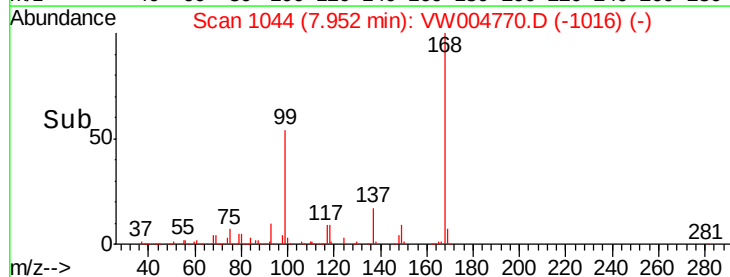
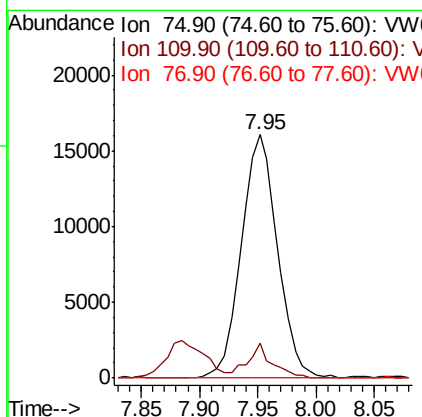
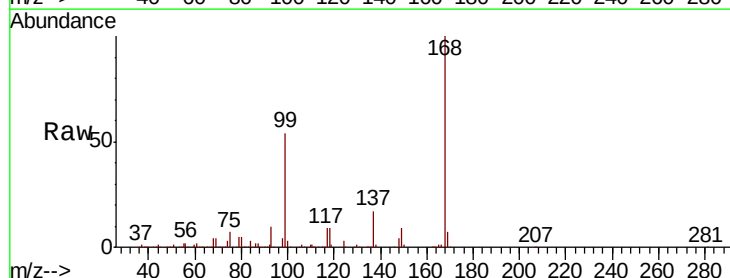
Instrument :
 MSVOA_W
 ClientSampled :
 CHRT26100

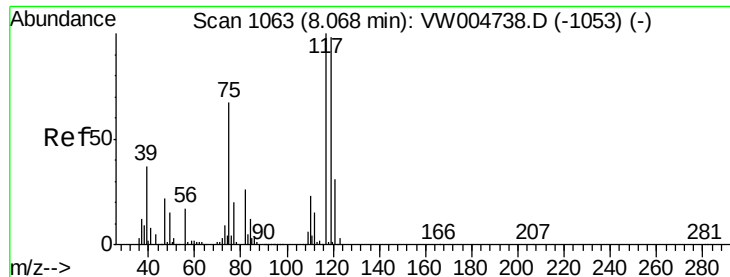
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.4	123.6
192	21.2	16.7	25.1



#36
 1,1-Dichloropropene
 Concen: 4.54 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW004770.D
 Acq: 18 Aug 2018 09:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.9	17.8	53.5#
77	0.0	24.9	37.3#

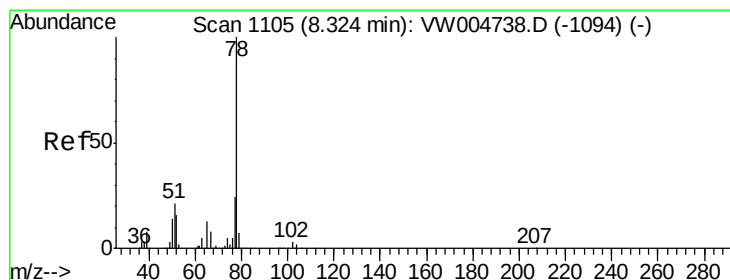
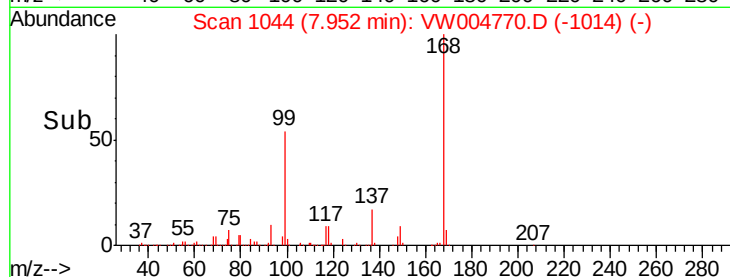
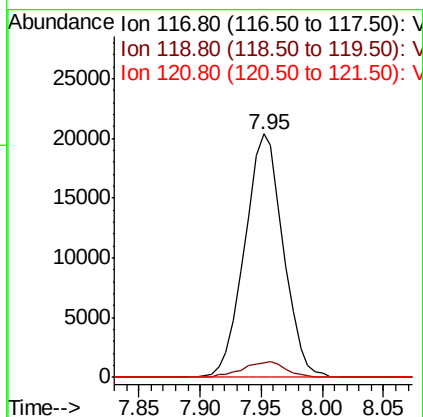
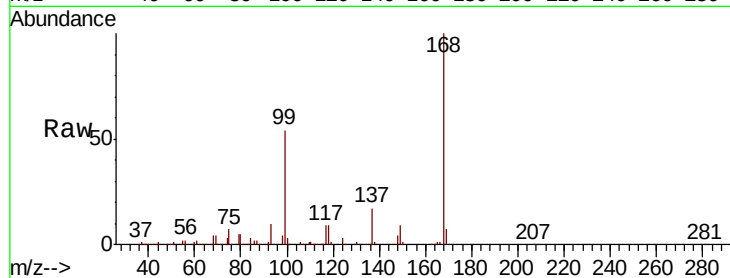




#38
Carbon Tetrachloride
Concen: 6.36 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.12 min
Lab File: VW004770.D
Acq: 18 Aug 2018 09:31

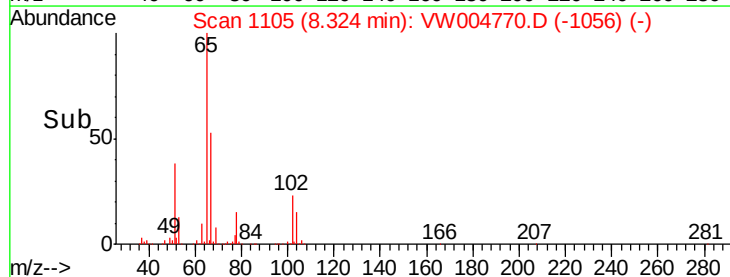
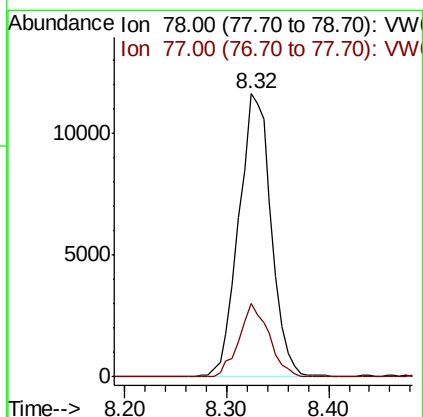
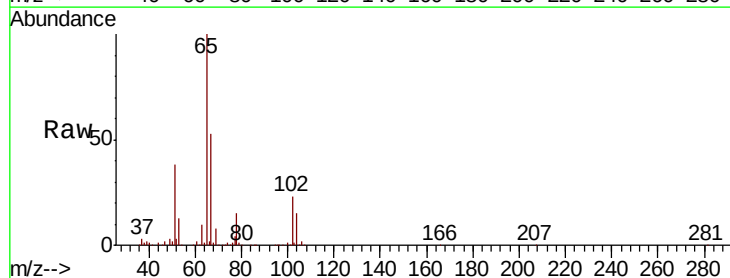
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MSVOA_W
ClientSampled :
CHRT26100

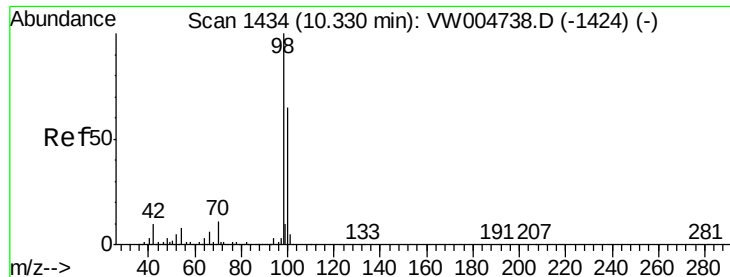
Tot Ion:117 Resp: 44679
Ion Ratio Lower Upper
117 100
119 5.9 78.0 117.0#
121 0.0 24.8 37.2#



#40
Benzene
Concen: 1.16 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW004770.D
Acq: 18 Aug 2018 09:31

Tgt Ion: 78 Resp: 25753
Ion Ratio Lower Upper
78 100
77 26.0 19.0 28.6





#50

Toluene-d8

Concen: 37.01 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004770.D

Acq: 18 Aug 2018 09:31

Instrument :

MSVOA_W

ClientSampleId :

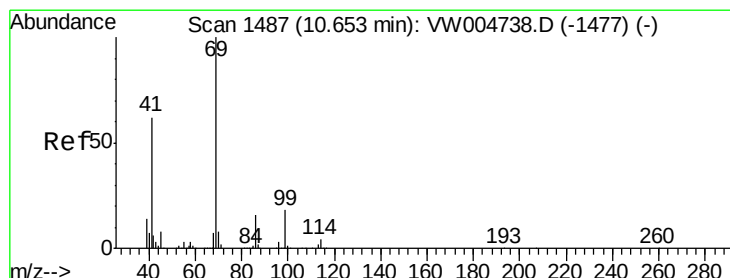
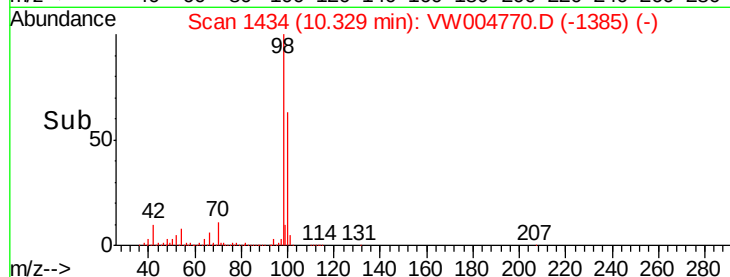
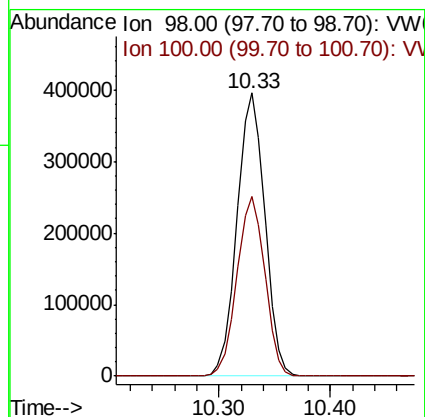
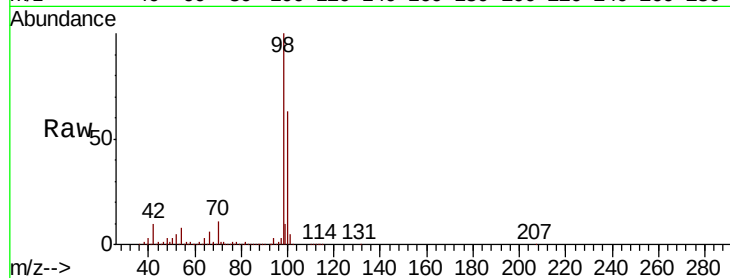
CHRT26100

Tot Ion: 98 Resp: 684176

Ion Ratio Lower Upper

98 100

100 63.8 51.8 77.8



#56

Ethyl methacrylate

Concen: 2.98 ug/l

RT: 10.64 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VW004770.D

Acq: 18 Aug 2018 09:31

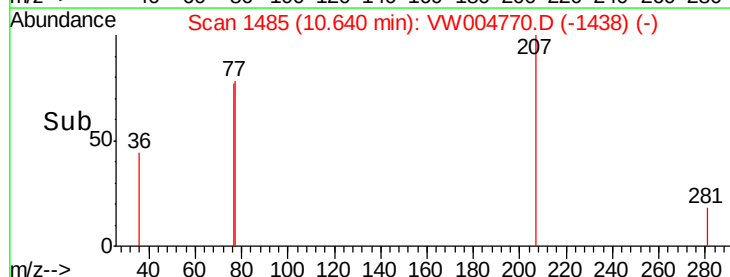
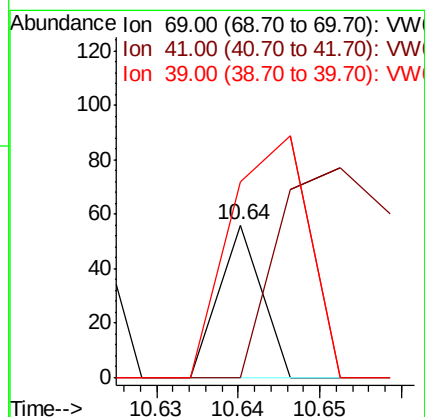
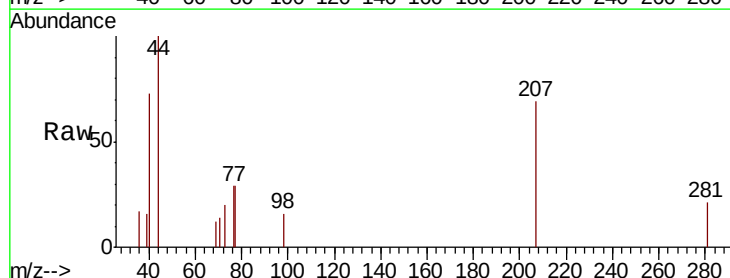
Tgt Ion: 69 Resp: 20

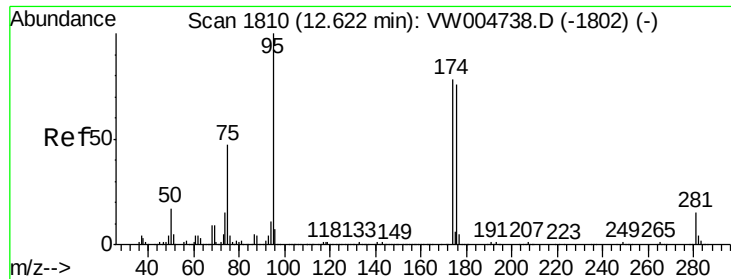
Ion Ratio Lower Upper

69 100

41 375.0 50.7 76.1#

39 295.0 21.4 32.2#

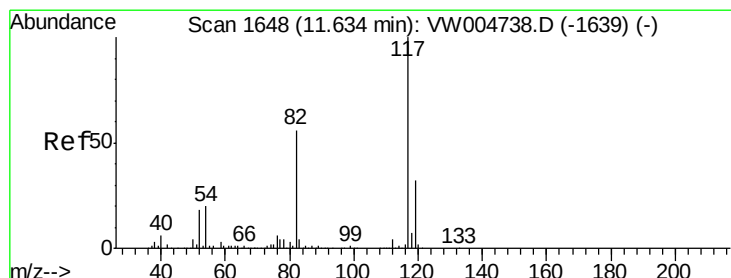
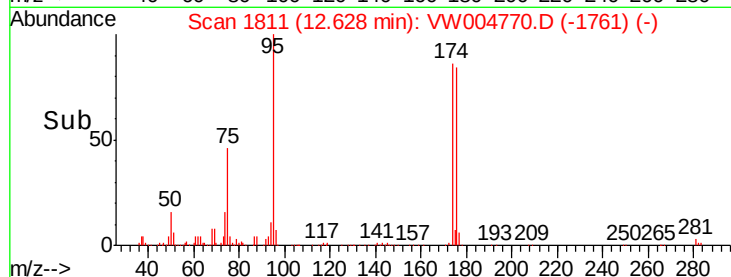
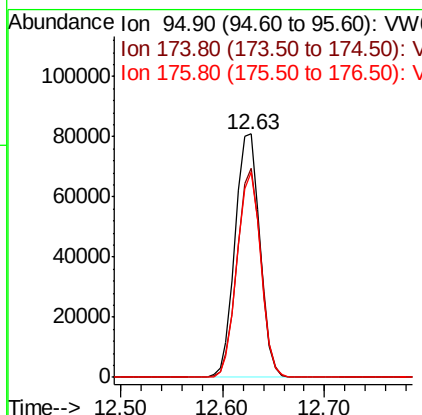
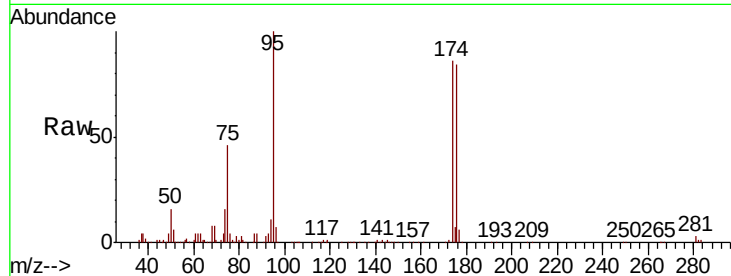




#62
4-Bromofluorobenzene
Concen: 20.34 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.01 min
Lab File: VW004770.D
Acq: 18 Aug 2018 09:31

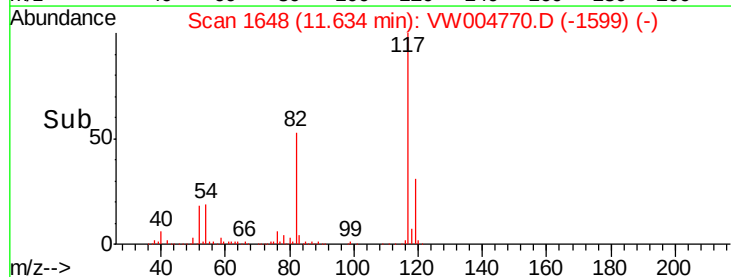
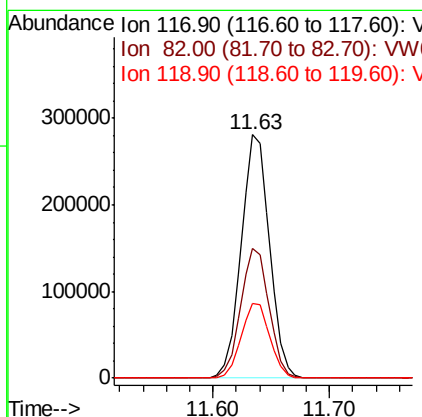
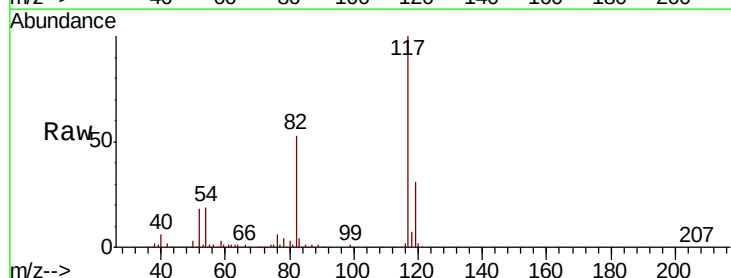
Instrument :
MSVOA_W
ClientSampleId :
CHRT26100

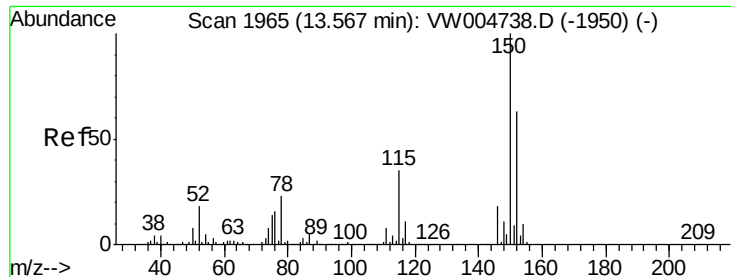
Tot Ion: 95 Resp: 135273
Ion Ratio Lower Upper
95 100
174 82.8 0.0 165.8
176 80.9 0.0 159.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004770.D
Acq: 18 Aug 2018 09:31

Tgt Ion: 117 Resp: 476291
Ion Ratio Lower Upper
117 100
82 53.0 44.6 67.0
119 30.5 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW004770.D

Acq: 18 Aug 2018 09:31

Instrument :

MSVOA_W

ClientSampleId :

CHRT26100

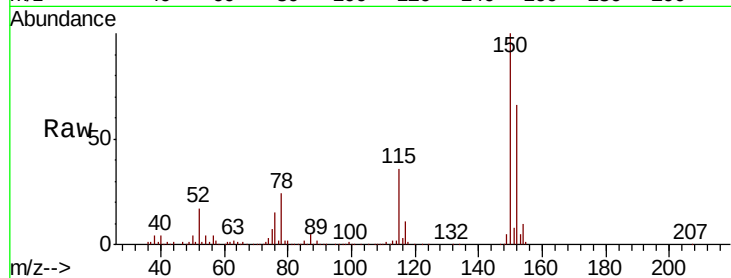
Tot Ion:152 Resp: 99933

Ion Ratio Lower Upper

152 100

115 57.0 28.5 85.5

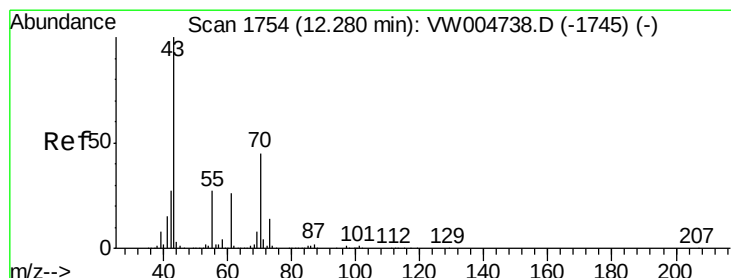
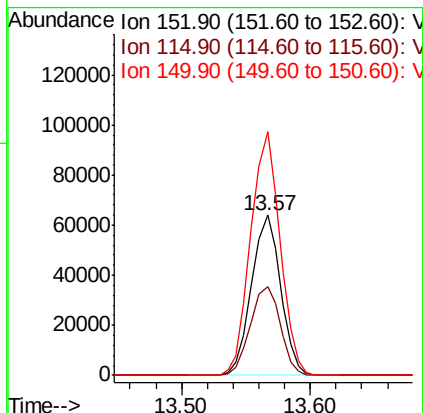
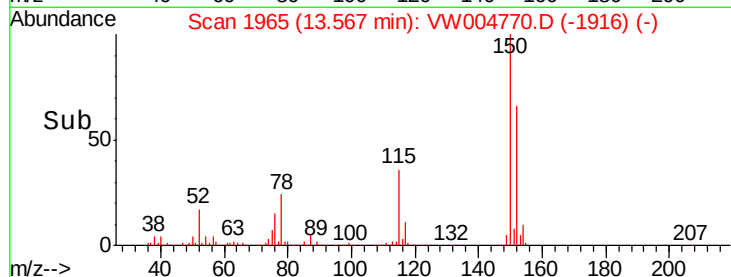
150 153.4 0.0 344.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 4.03 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004770.D

Acq: 18 Aug 2018 09:31

Tgt Ion: 43 Resp: 19

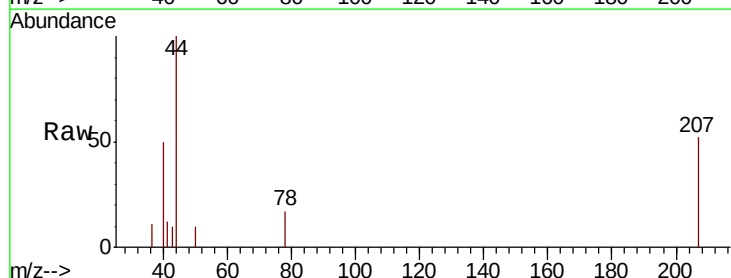
Ion Ratio Lower Upper

43 100

70 105.3 36.3 54.5#

55 105.3 22.6 33.8#

61 0.0 20.2 30.4#

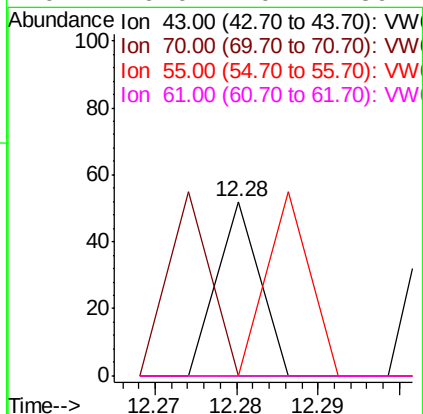
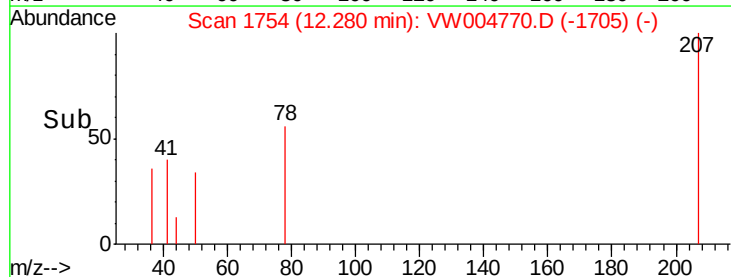


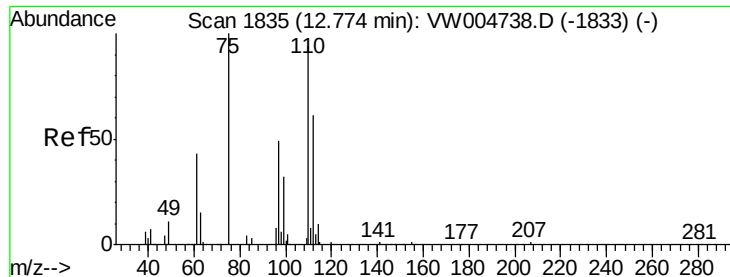
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#76

1,2,3-Trichloropropane

Concen: 72.39 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004770.D

Acq: 18 Aug 2018 09:31

Instrument :

MSVOA_W

ClientSampleId :

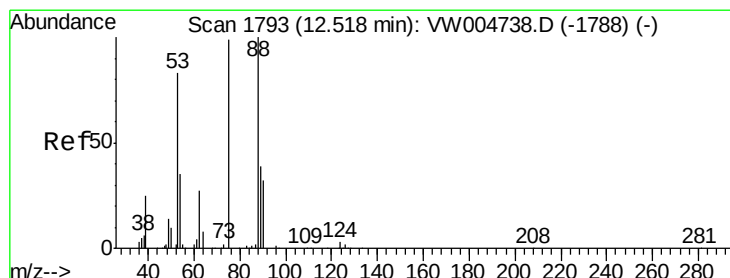
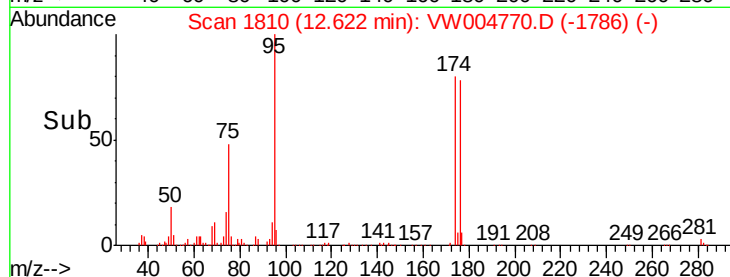
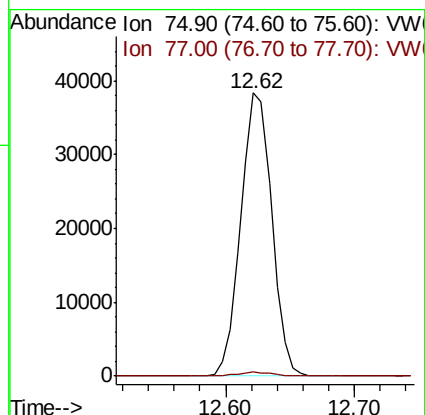
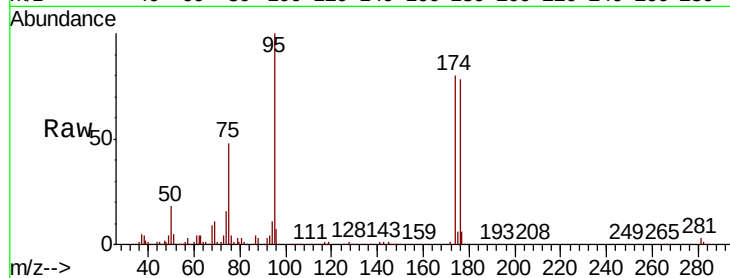
CHRT26100

Tot Ion: 75 Resp: 63771

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 168.25 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004770.D

Acq: 18 Aug 2018 09:31

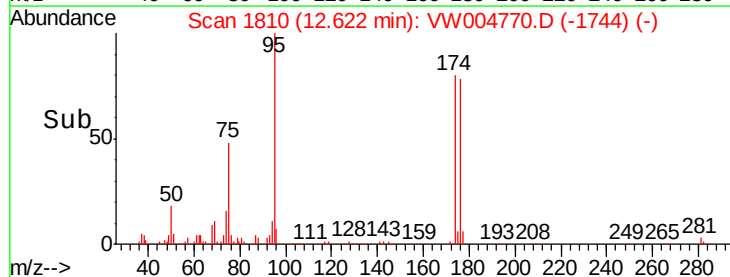
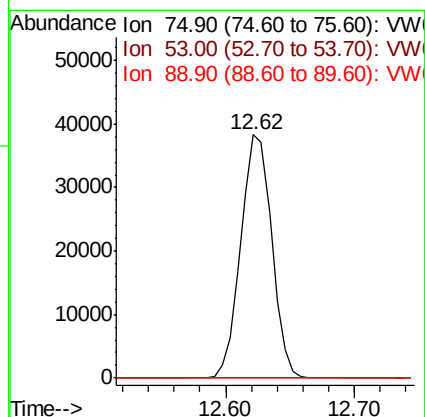
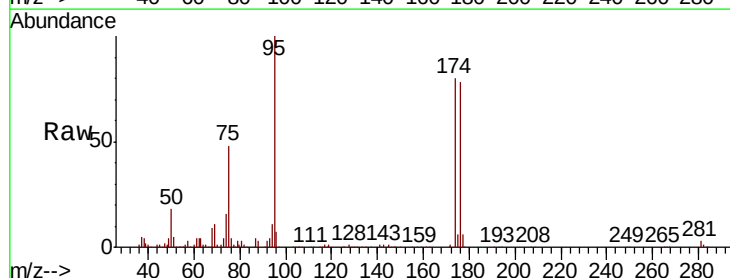
Tgt Ion: 75 Resp: 63771

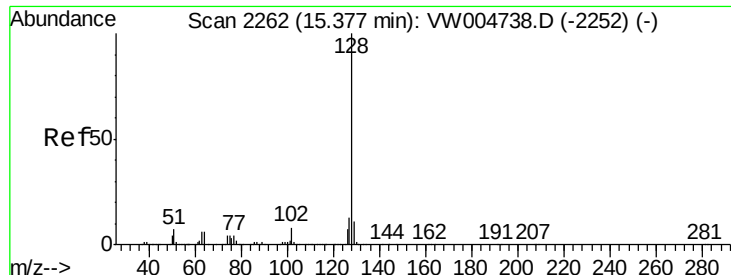
Ion Ratio Lower Upper

75 100

53 0.4 72.2 108.4#

89 0.0 35.2 52.8#





#95
 Naphthalene
 Concen: 3.74 ug/l
 RT: 15.38 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VW004770.D
 Acq: 18 Aug 2018 09:31

Instrument :
 MSVOA_W
 ClientSampleId :
 CHRT26100

Tot Ion	Ratio	Lower	Upper
128	100		
127	3.6	10.4	15.6#
129	11.3	8.6	13.0

