

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112618\
 Data File : VW007052.D
 Acq On : 26 Nov 2018 17:16
 Operator : VAY/AP
 Sample : J6051-02
 Misc : 4.48G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SS-02

Quant Time: Nov 27 05:26:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

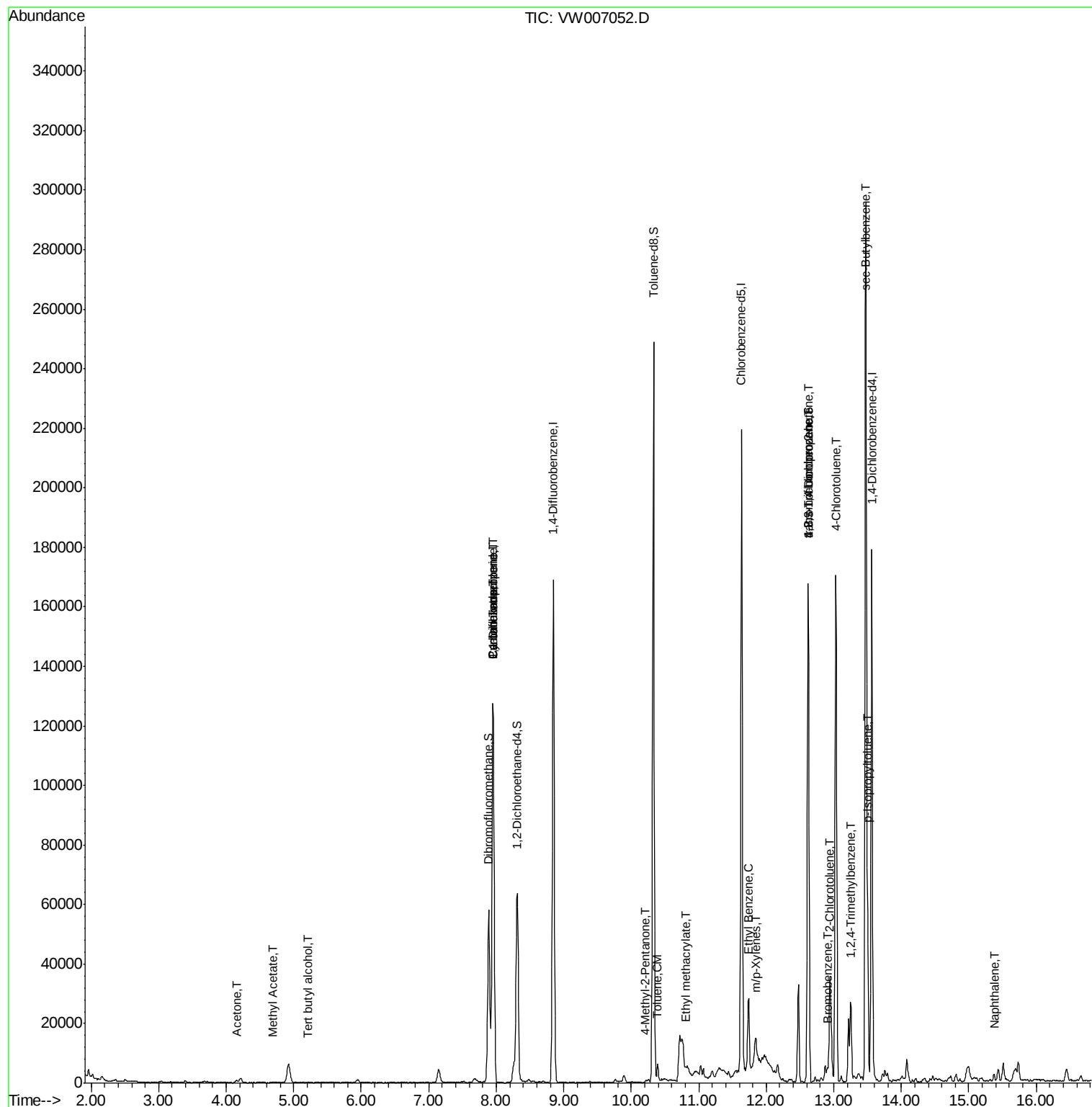
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	97393	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	146191	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	121225	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	44599	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	52547	55.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.22%	
35) Dibromofluoromethane	7.88	113	41921	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
50) Toluene-d8	10.32	98	169720	46.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.10%	
62) 4-Bromofluorobenzene	12.62	95	54446	37.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.90%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.20	59	63	1.015	ug/l #	71
16) Acetone	4.16	43	1602	11.572	ug/l	90
18) Methyl Acetate	4.69	43	560	1.136	ug/l #	74
20) Methylene Chloride	4.92	84	5006	Below Cal	#	92
31) Cyclohexane	7.95	56	2083	1.134	ug/l #	12
36) 1,1-Dichloropropene	7.95	75	7136	4.995	ug/l #	51
38) Carbon Tetrachloride	7.95	117	10033	7.334	ug/l #	16
51) 4-Methyl-2-Pentanone	10.21	43	522	1.047	ug/l #	70
52) Toluene	10.40	92	2776	1.058	ug/l	95
56) Ethyl methacrylate	10.80	69	4083	5.022	ug/l #	24
67) Ethyl Benzene	11.74	91	4966	1.068	ug/l #	73
68) m/p-Xylenes	11.85	106	2231	1.223	ug/l	100
76) 1,2,3-Trichloropropane	12.62	75	26899	76.754	ug/l #	100
77) Bromobenzene	12.91	156	956	1.284	ug/l #	1
79) 2-Chlorotoluene	12.94	91	6589	2.722	ug/l #	41
81) trans-1,4-Dichloro-2-buten	12.62	75	26899	192.699	ug/l #	10
82) 4-Chlorotoluene	13.03	91	19634	7.728	ug/l #	42
84) 1,2,4-Trimethylbenzene	13.26	105	6307	2.112	ug/l	95
85) sec-Butylbenzene	13.47	105	5623	1.534	ug/l #	57
86) p-Isopropyltoluene	13.50	119	27476	8.495	ug/l #	75
95) Naphthalene	15.38	128	2379	1.492	ug/l	98

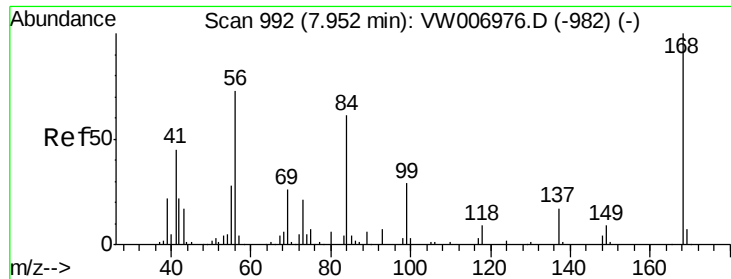
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 21 03:23:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW007052.D

Acq: 26 Nov 2018 17:16

Instrument :

MSVOA_W

ClientSampleId :

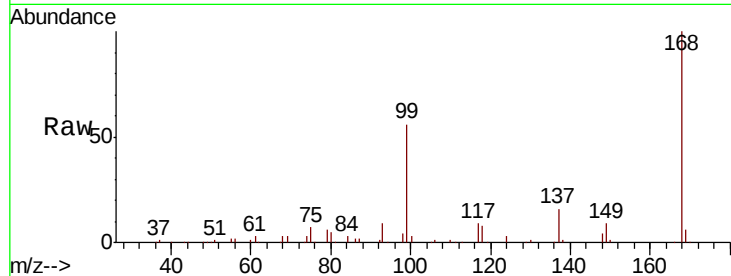
SS-02

Tot Ion:168 Resp: 97393

Ion Ratio Lower Upper

168 100

99 56.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.96

40000

30000

20000

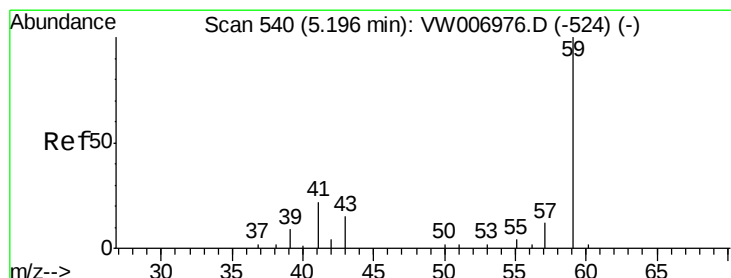
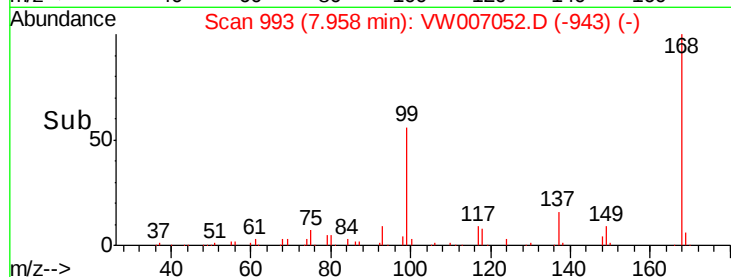
10000

0

Time-->

7.90

8.00



#11

Tert butyl alcohol

Concen: 1.015 ug/l

RT: 5.20 min Scan# 541

Delta R.T. 0.01 min

Lab File: VW007052.D

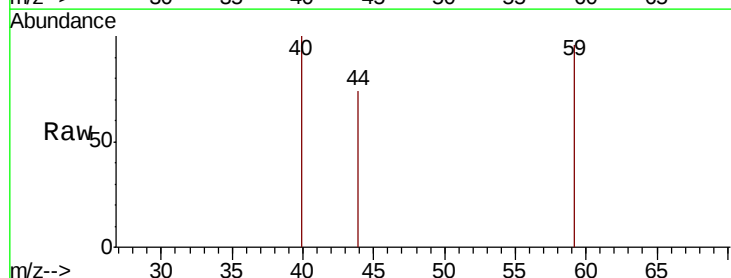
Acq: 26 Nov 2018 17:16

Tgt Ion: 59 Resp: 63

Ion Ratio Lower Upper

59 100

57 0.0 8.6 13.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.20

100

50

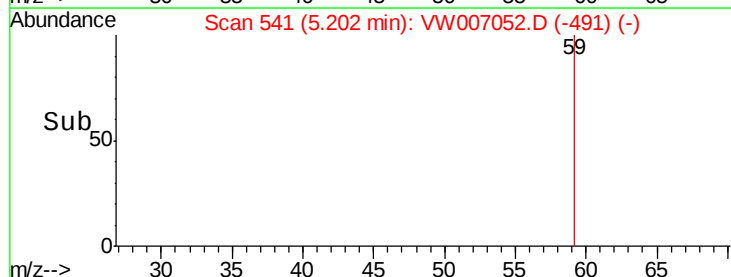
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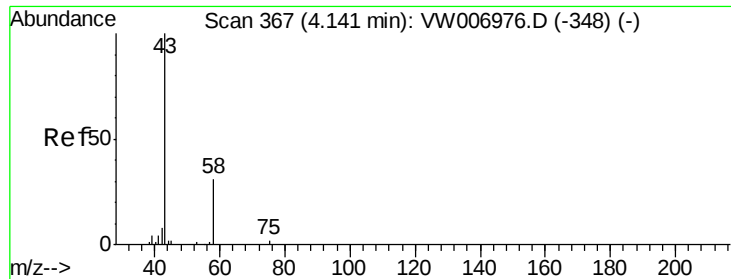
Time-->

5.18

5.20

5.22





#16

Acetone

Concen: 11.572 ug/l

RT: 4.16 min Scan# 370

Delta R.T. 0.02 min

Lab File: VW007052.D

Acq: 26 Nov 2018 17:16

Instrument :

MSVOA_W

ClientSampled :

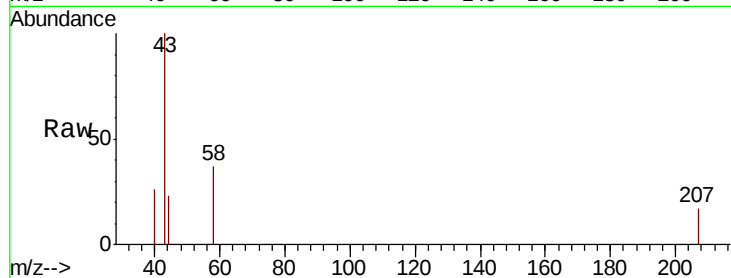
SS-02

Tot Ion: 43 Resp: 1602

Ion Ratio Lower Upper

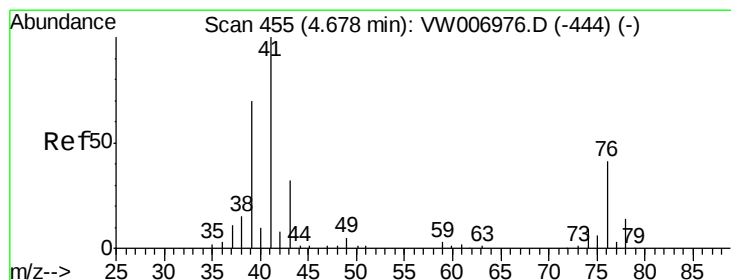
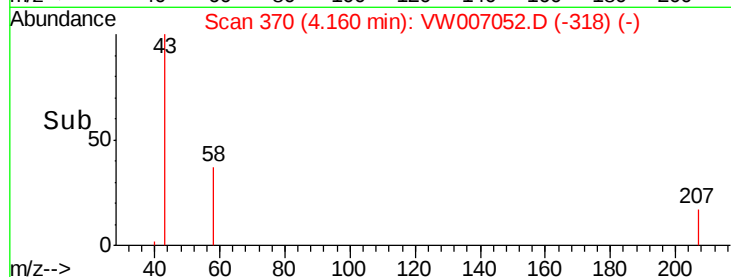
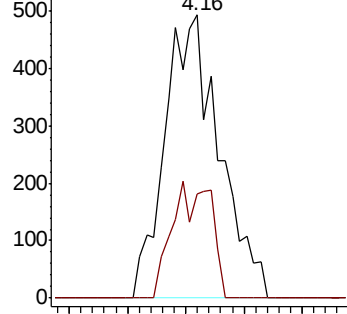
43 100

58 36.7 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 1.136 ug/l

RT: 4.69 min Scan# 457

Delta R.T. 0.01 min

Lab File: VW007052.D

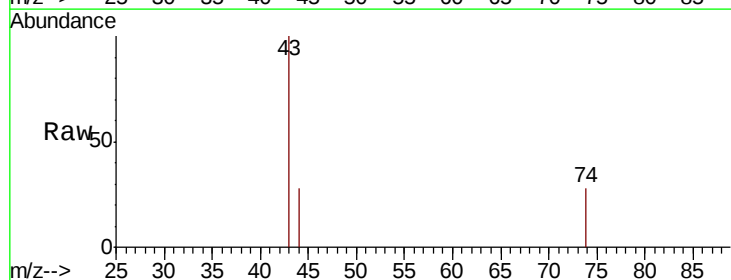
Acq: 26 Nov 2018 17:16

Tgt Ion: 43 Resp: 560

Ion Ratio Lower Upper

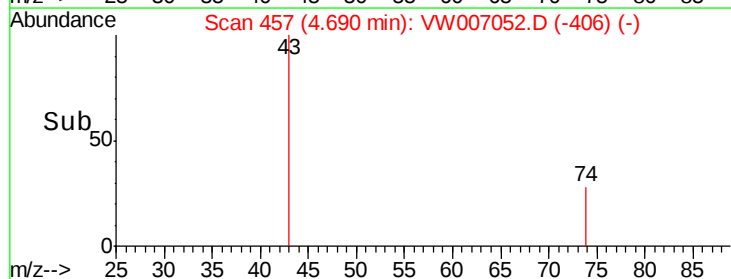
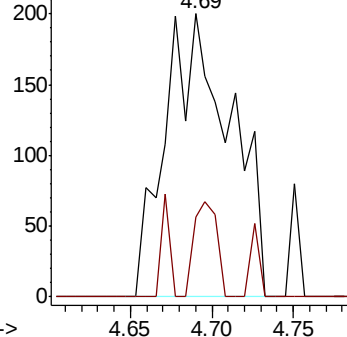
43 100

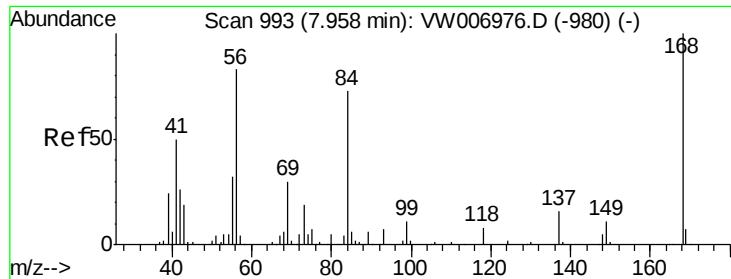
74 11.8 20.1 30.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

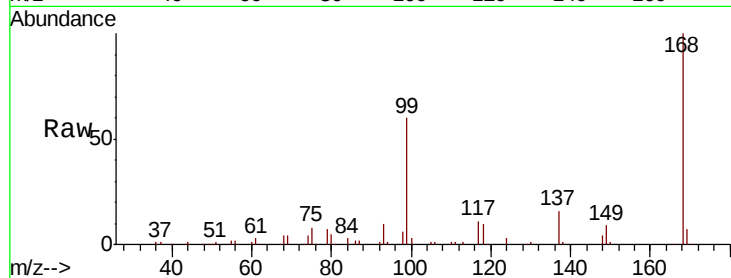




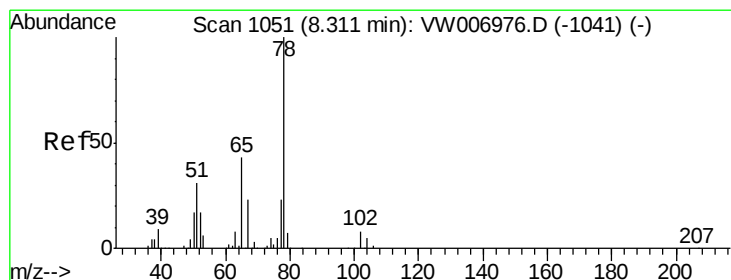
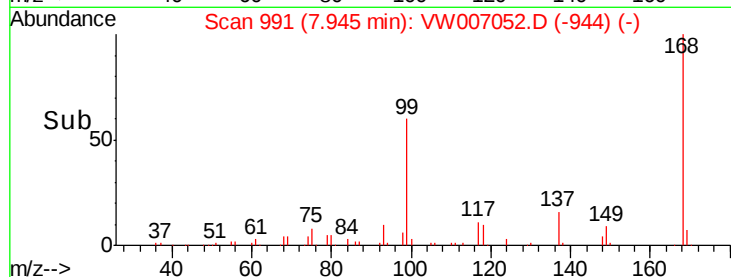
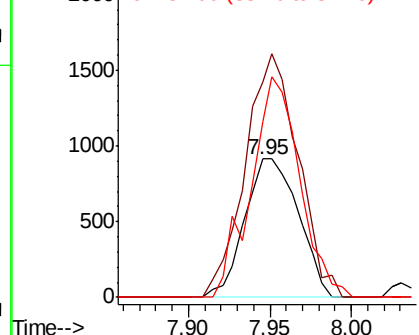
#31
Cyclohexane
Concen: 1.134 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007052.D
Acq: 26 Nov 2018 17:16

Instrument :
MSVOA_W
ClientSampled :
SS-02

Tot Ion: 56 Resp: 2083
Ion Ratio Lower Upper
56 100
69 155.8 29.1 43.7#
84 126.7 70.6 105.8#

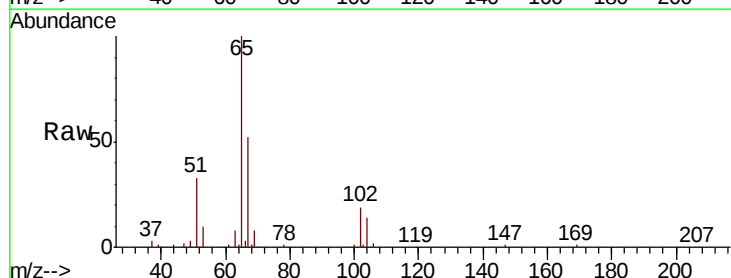


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

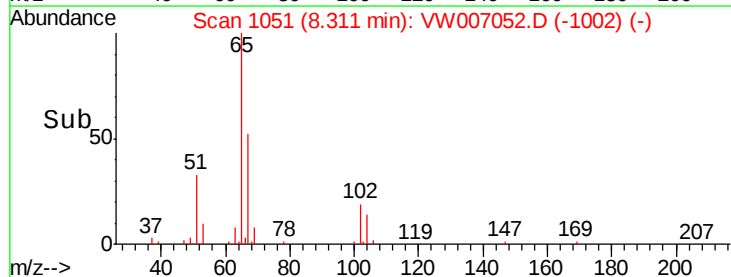
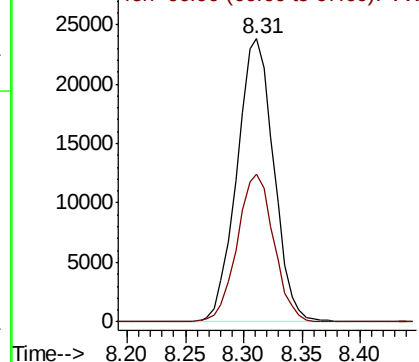


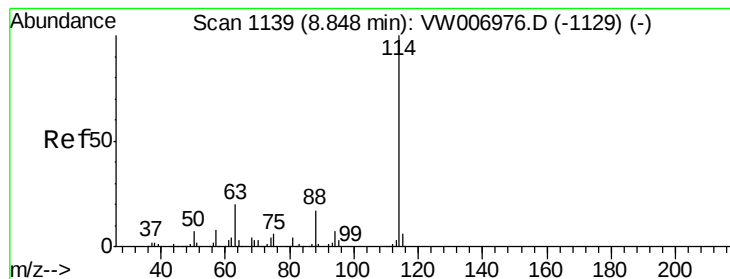
#33
1,2-Dichloroethane-d4
Concen: 55.110 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW007052.D
Acq: 26 Nov 2018 17:16

Tgt Ion: 65 Resp: 52547
Ion Ratio Lower Upper
65 100
67 51.9 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW007052.D

Acq: 26 Nov 2018 17:16

Instrument :

MSVOA_W

ClientSampleId :

SS-02

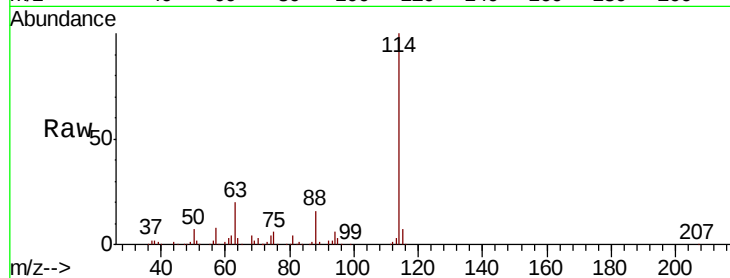
Tot Ion:114 Resp: 146191

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.4

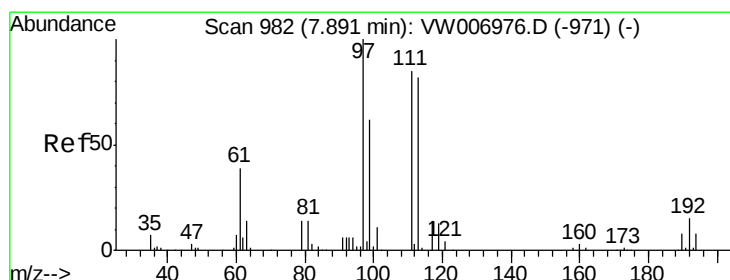
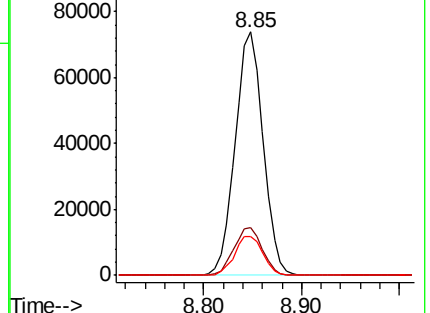
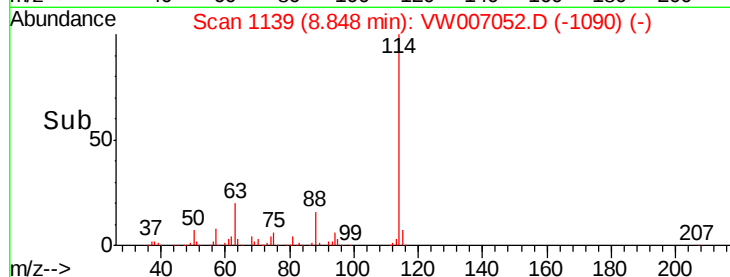
88 16.0 0.0 34.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 50.778 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW007052.D

Acq: 26 Nov 2018 17:16

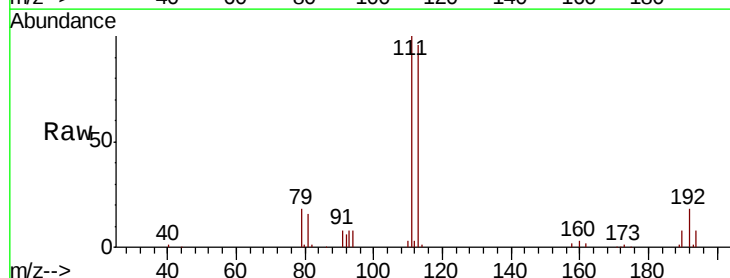
Tgt Ion:113 Resp: 41921

Ion Ratio Lower Upper

113 100

111 105.1 81.0 121.6

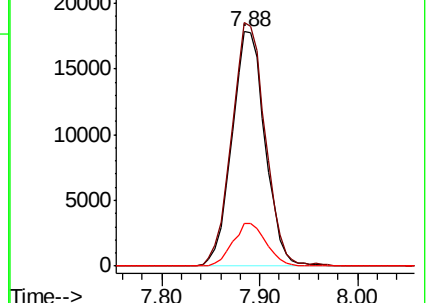
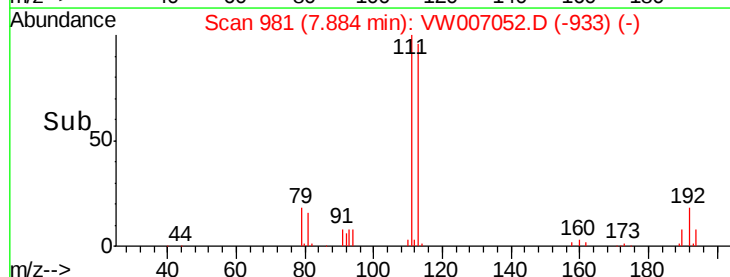
192 18.4 15.0 22.6

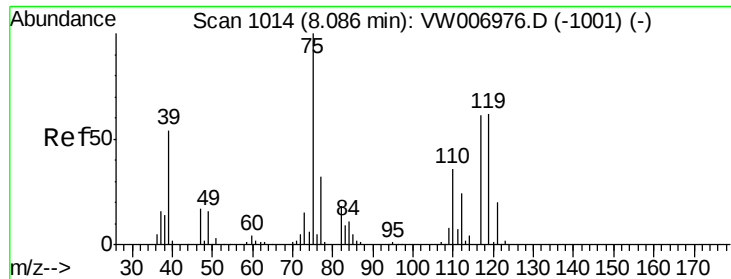


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

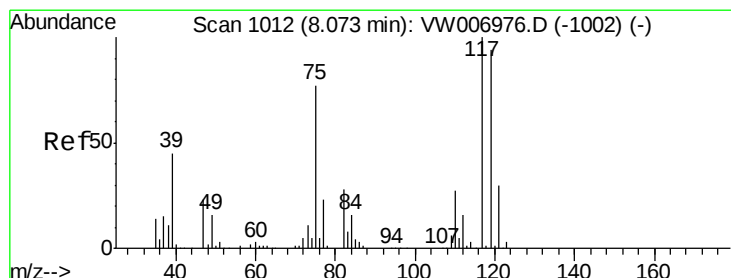
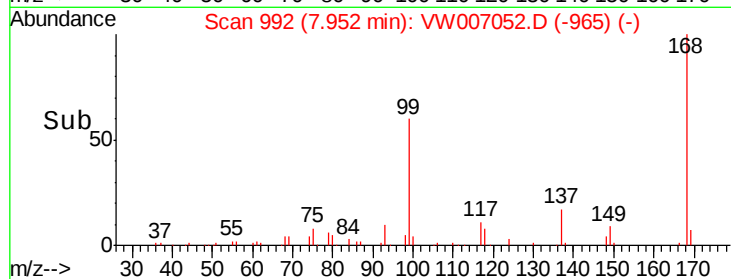
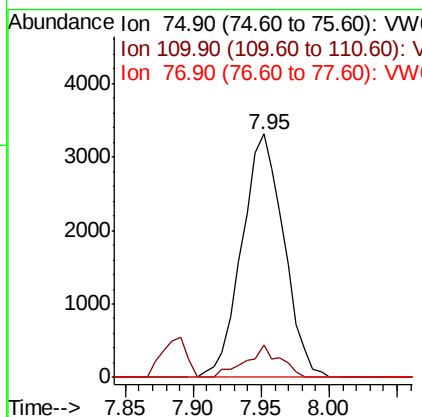
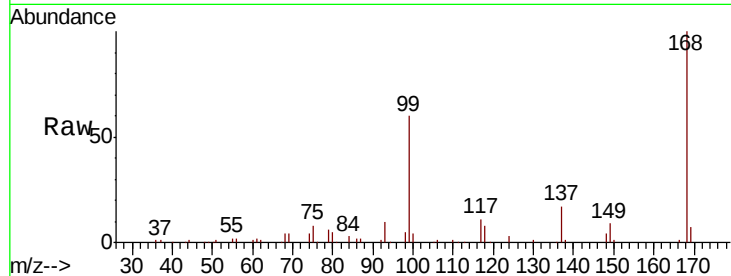




#36
 1,1-Dichloropropene
 Concen: 4.995 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007052.D
 Acq: 26 Nov 2018 17:16

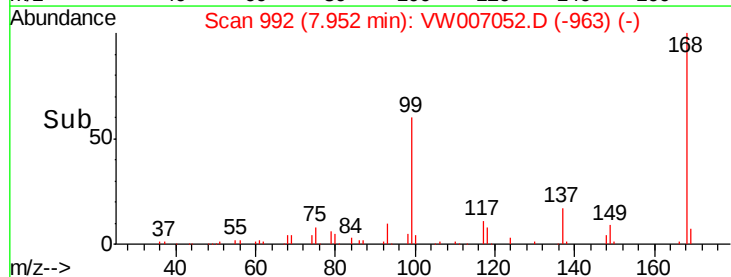
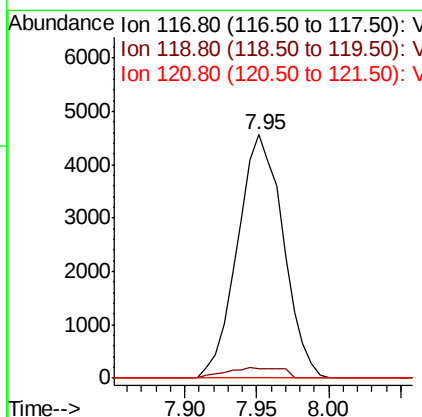
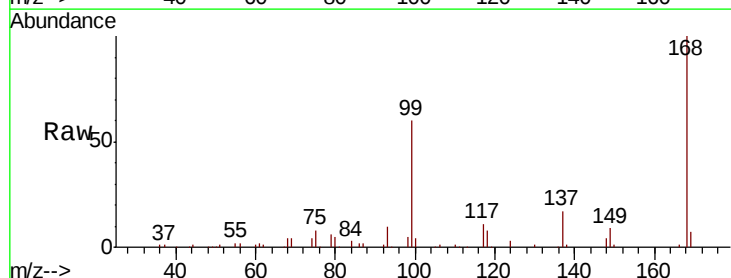
Instrument :
 MSVOA_W
 ClientSampleId :
 SS-02

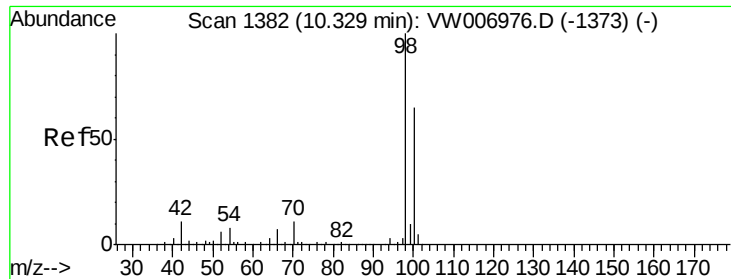
Tot Ion: 75 Resp: 7136
 Ion Ratio Lower Upper
 75 100
 110 10.7 18.0 54.0#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 7.334 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW007052.D
 Acq: 26 Nov 2018 17:16

Tgt Ion: 117 Resp: 10033
 Ion Ratio Lower Upper
 117 100
 119 3.7 74.9 112.3#
 121 0.0 23.6 35.4#

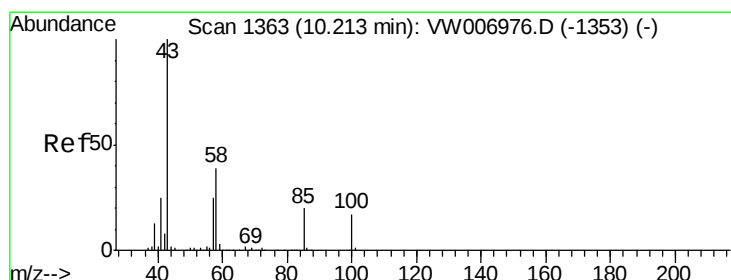
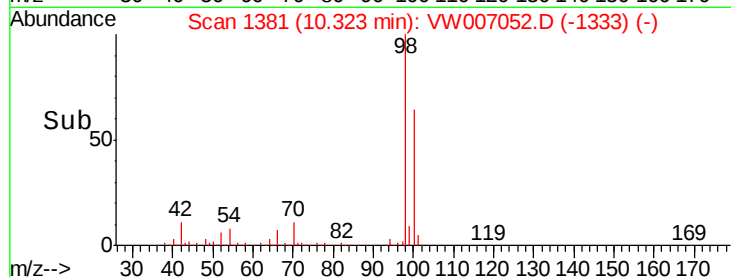
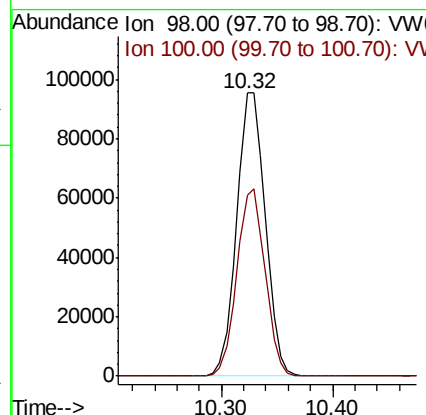
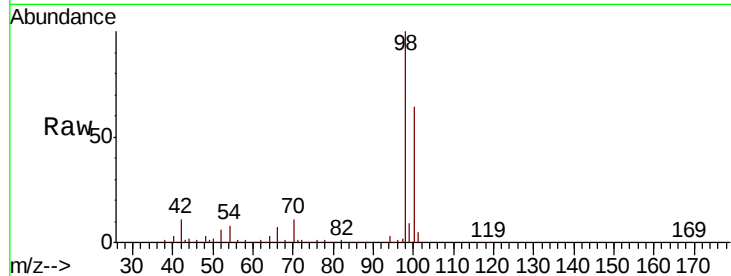




#50
Toluene-d8
Concen: 46.554 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW007052.D
Acq: 26 Nov 2018 17:16

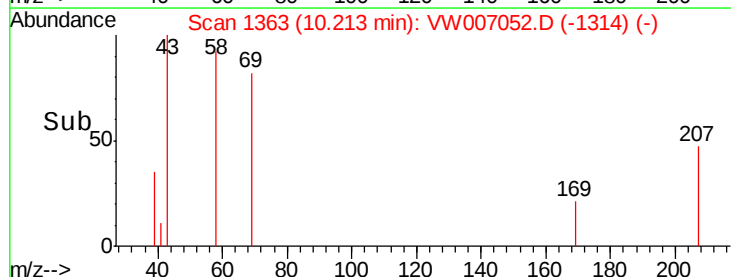
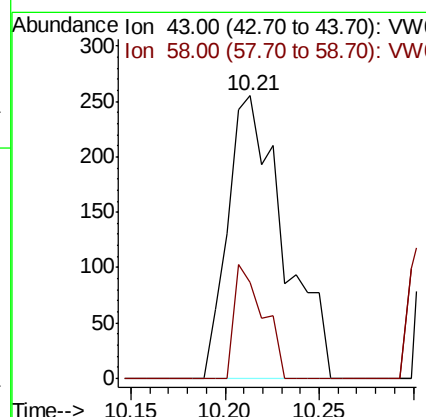
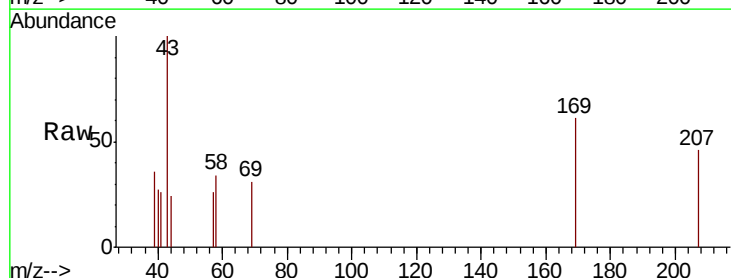
Instrument :
MSVOA_W
ClientSampled :
SS-02

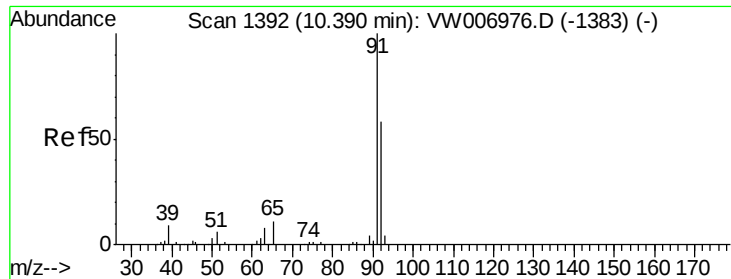
Tot Ion: 98 Resp: 169720
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 1.047 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW007052.D
Acq: 26 Nov 2018 17:16

Tgt Ion: 43 Resp: 522
Ion Ratio Lower Upper
43 100
58 21.1 31.8 47.6#





#52

Toluene

Concen: 1.058 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW007052.D

Acq: 26 Nov 2018 17:16

Instrument :

MSVOA_W

ClientSampled :

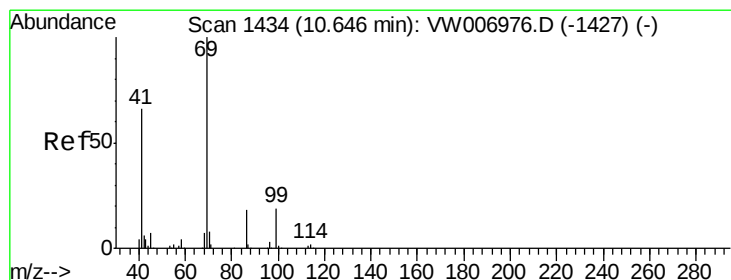
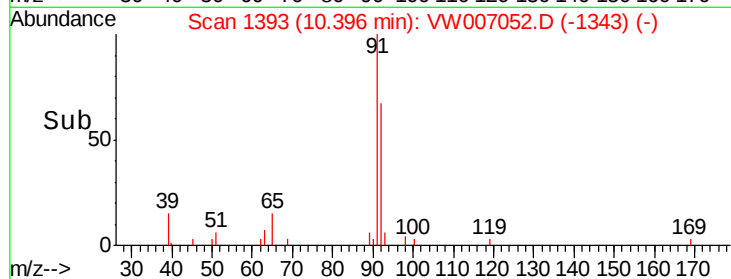
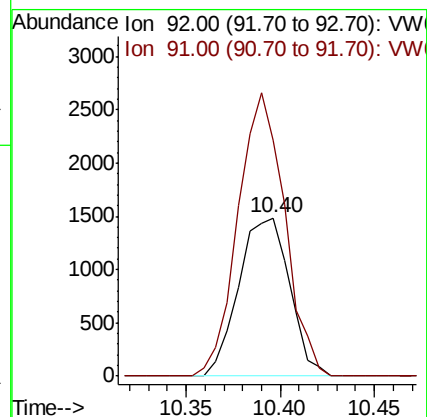
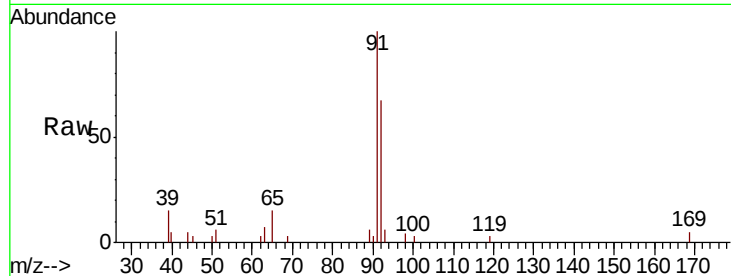
SS-02

Tot Ion: 92 Resp: 2776

Ion Ratio Lower Upper

92 100

91 164.4 137.3 205.9



#56

Ethyl methacrylate

Concen: 5.022 ug/l

RT: 10.80 min Scan# 1460

Delta R.T. 0.16 min

Lab File: VW007052.D

Acq: 26 Nov 2018 17:16

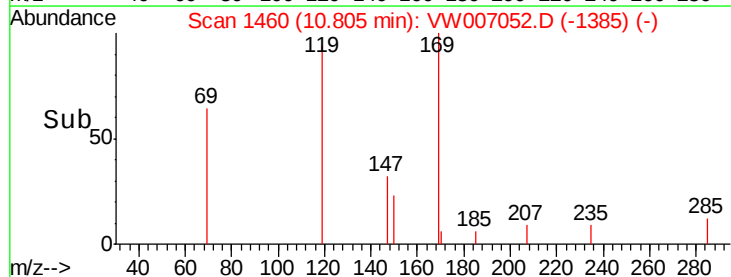
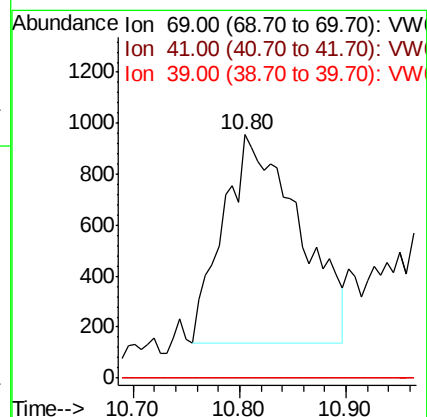
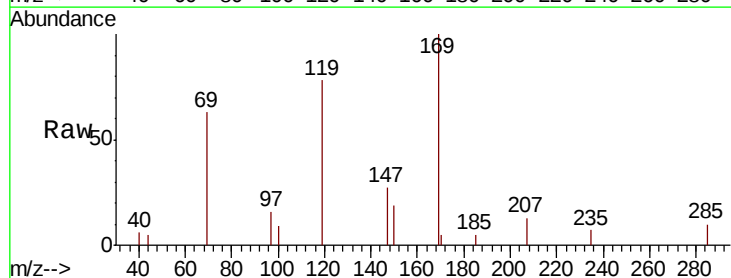
Tgt Ion: 69 Resp: 4083

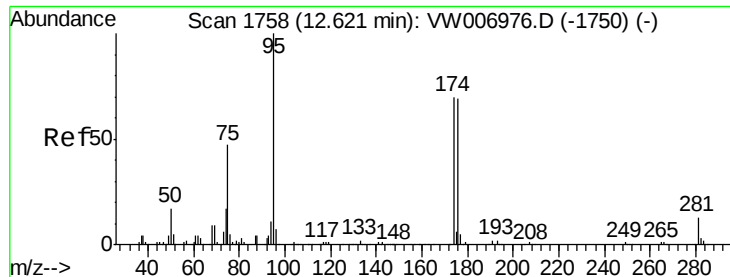
Ion Ratio Lower Upper

69 100

41 0.0 53.4 80.0#

39 0.0 28.2 42.4#

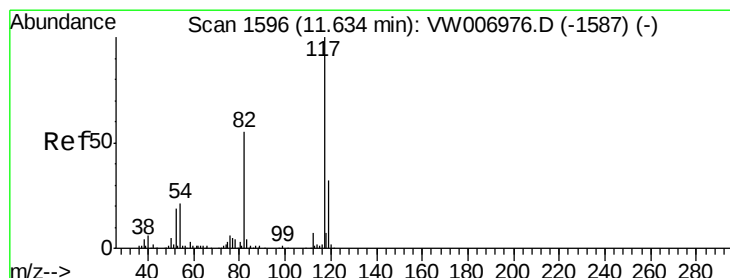
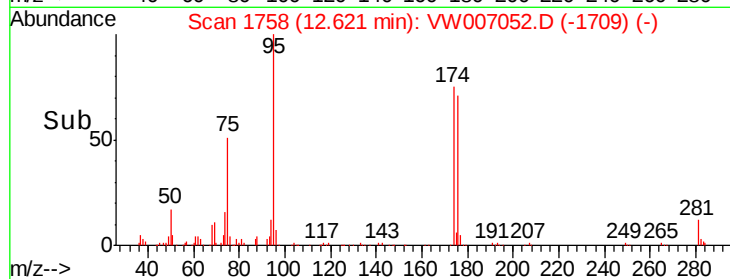
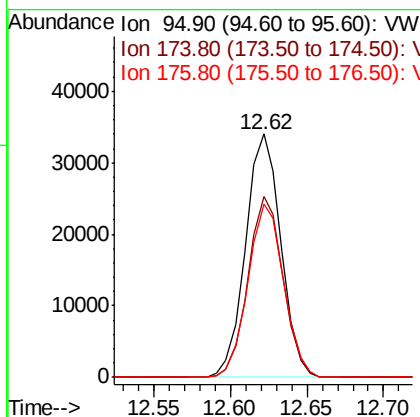
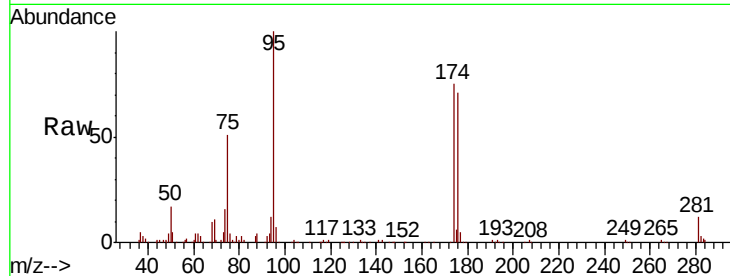




#62
4-Bromofluorobenzene
Concen: 37.952 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007052.D
Acq: 26 Nov 2018 17:16

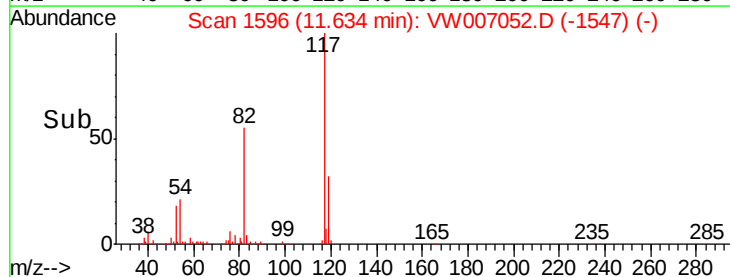
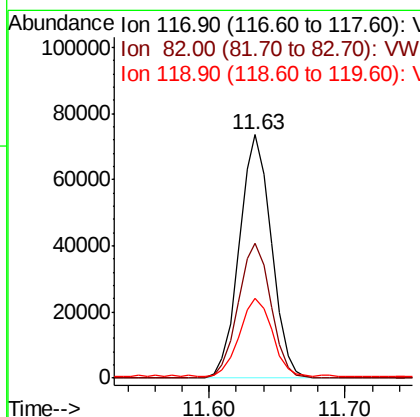
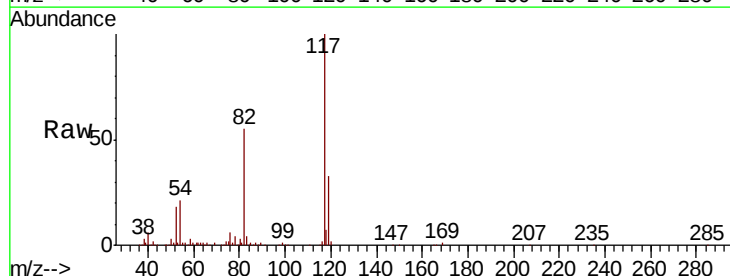
Instrument :
MSVOA_W
ClientSampled :
SS-02

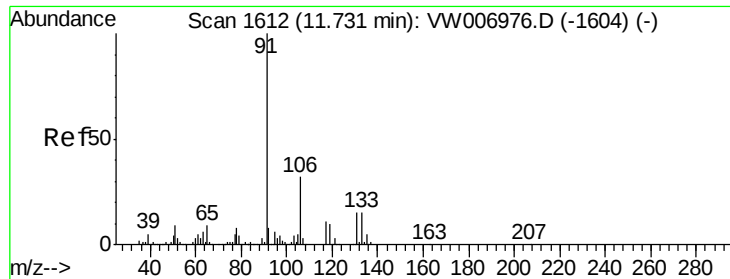
Tot Ion	95	Resp	54446
Ion Ratio	Lower	Upper	
95	100		
174	74.2	0.0	143.6
176	72.2	0.0	140.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007052.D
Acq: 26 Nov 2018 17:16

Tgt Ion	117	Resp	121225
Ion Ratio	Lower	Upper	
117	100		
82	55.4	44.2	66.2
119	32.2	25.9	38.9

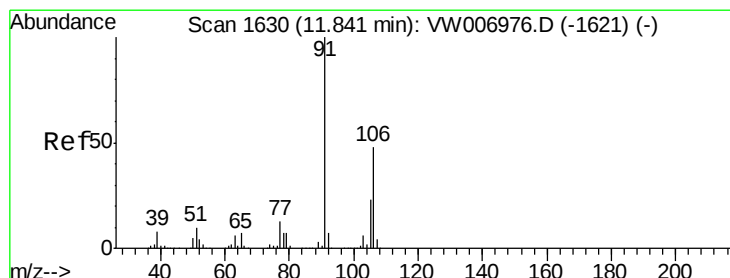
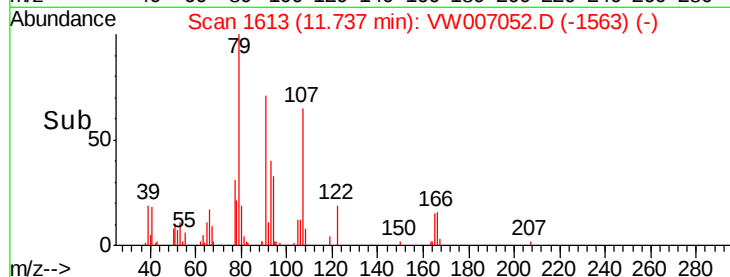
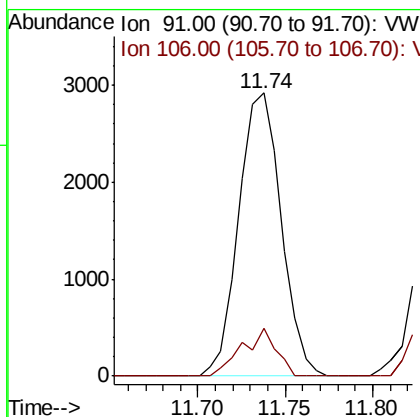
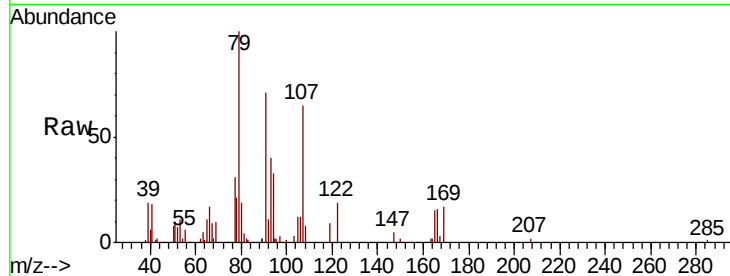




#67
Ethyl Benzene
Concen: 1.068 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW007052.D
Acq: 26 Nov 2018 17:16

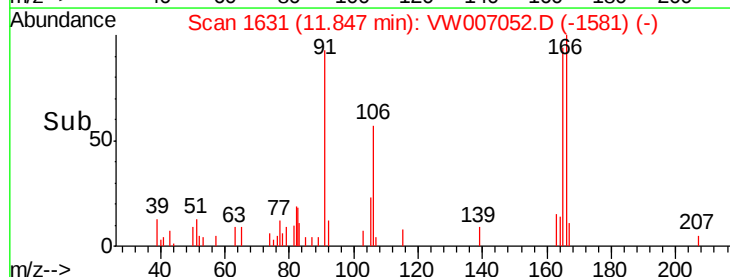
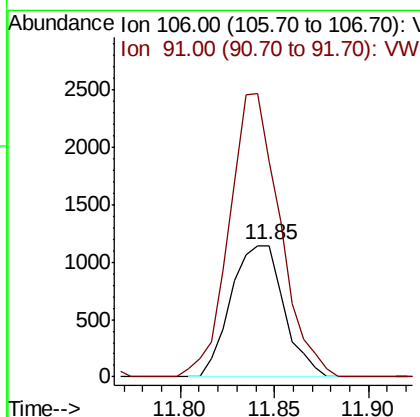
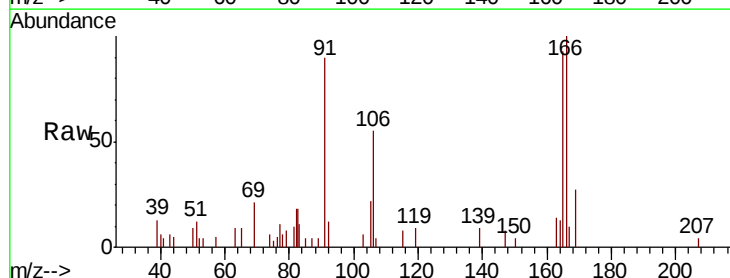
Instrument :
MSVOA_W
ClientSampled :
SS-02

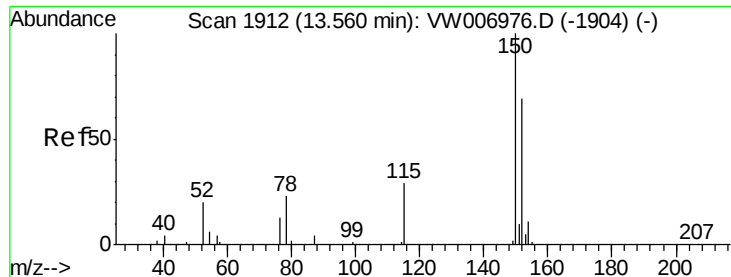
Tot Ion: 91 Resp: 4966
Ion Ratio Lower Upper
91 100
106 16.7 25.4 38.2#



#68
m/p-Xylenes
Concen: 1.223 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW007052.D
Acq: 26 Nov 2018 17:16

Tgt Ion: 106 Resp: 2231
Ion Ratio Lower Upper
106 100
91 206.1 164.8 247.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007052.D

Acq: 26 Nov 2018 17:16

Instrument :

MSVOA_W

ClientSampled :

SS-02

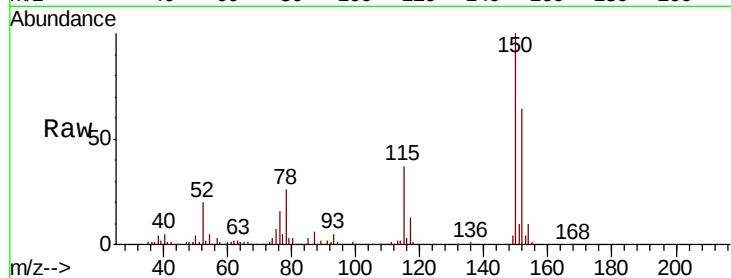
Tot Ion:152 Resp: 44599

Ion Ratio Lower Upper

152 100

115 60.6 31.4 94.2

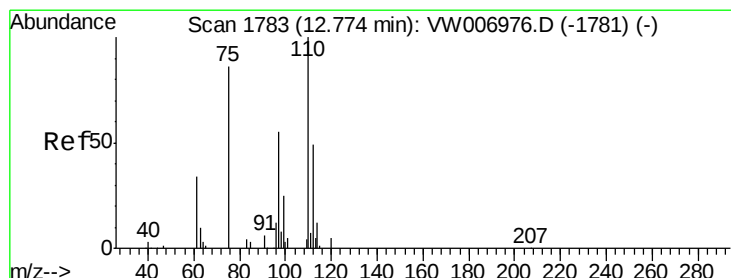
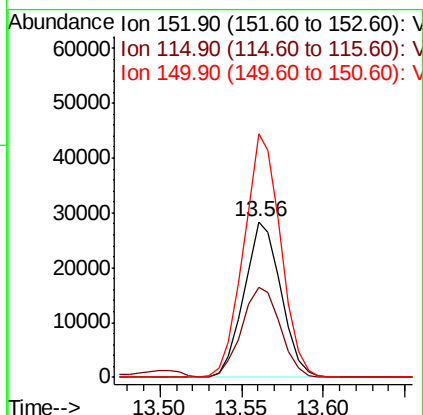
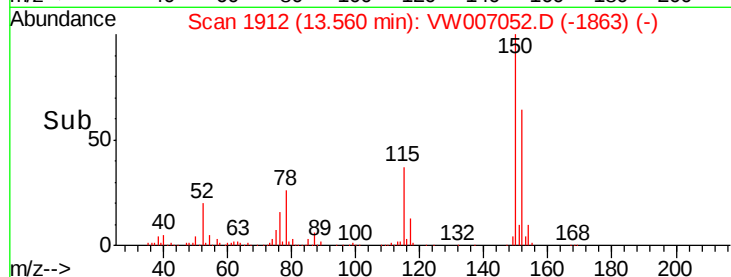
150 156.2 0.0 353.4



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



#76

1,2,3-Trichloropropane

Concen: 76.754 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007052.D

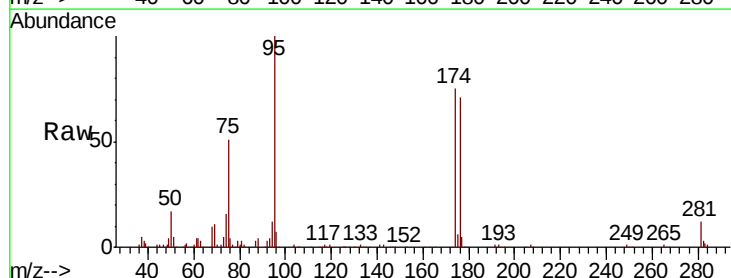
Acq: 26 Nov 2018 17:16

Tgt Ion: 75 Resp: 26899

Ion Ratio Lower Upper

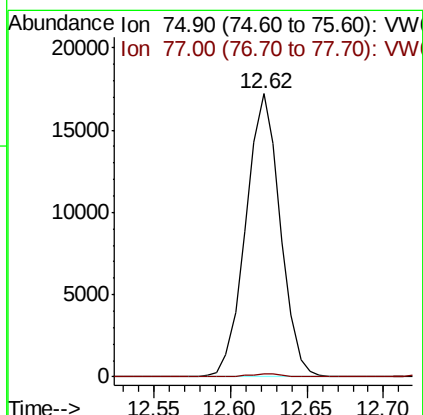
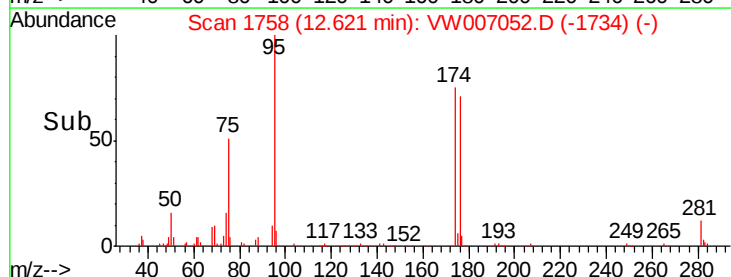
75 100

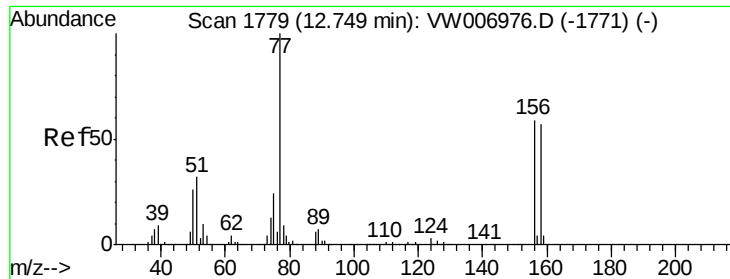
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 1.284 ug/l

RT: 12.91 min Scan# 1805

Delta R.T. 0.16 min

Lab File: VW007052.D

Acq: 26 Nov 2018 17:16

Instrument :

MSVOA_W

ClientSampled :

SS-02

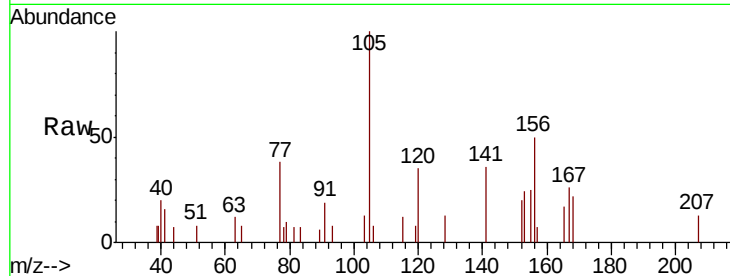
Tot Ion:156 Resp: 956

Ion Ratio Lower Upper

156 100

77 0.0 94.6 283.8#

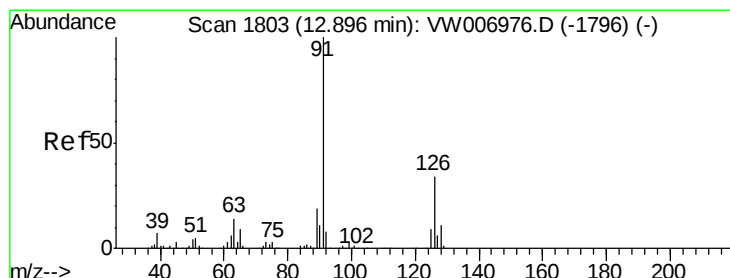
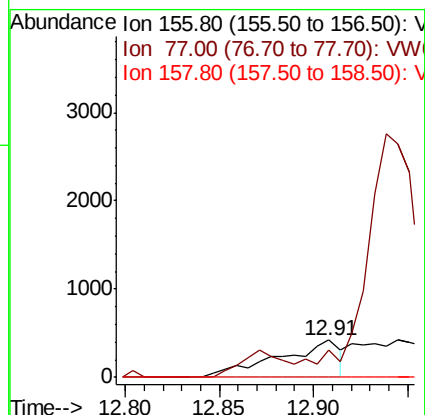
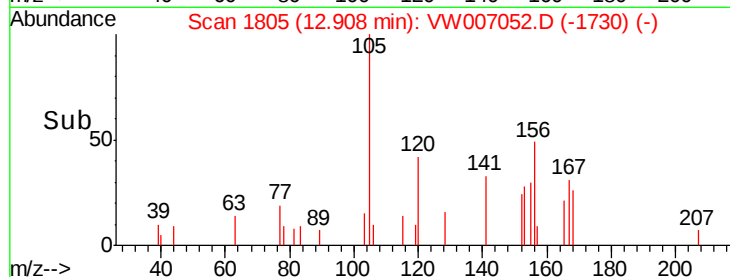
158 0.0 48.9 146.7#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#79

2-Chlorotoluene

Concen: 2.722 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.05 min

Lab File: VW007052.D

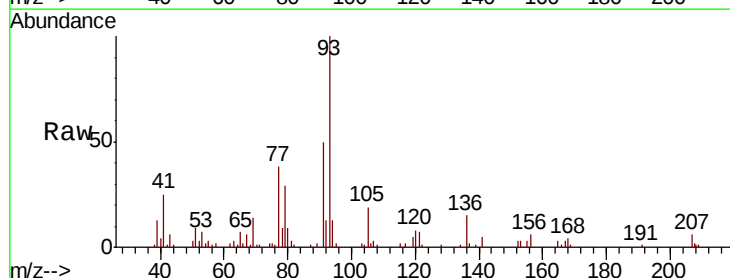
Acq: 26 Nov 2018 17:16

Tgt Ion: 91 Resp: 6589

Ion Ratio Lower Upper

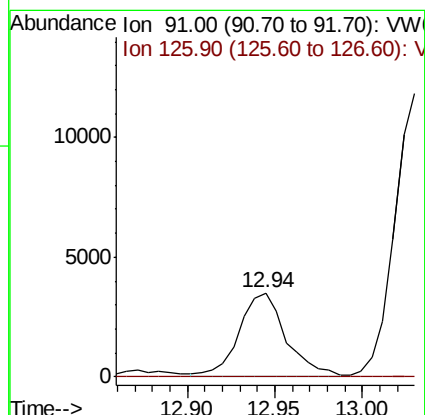
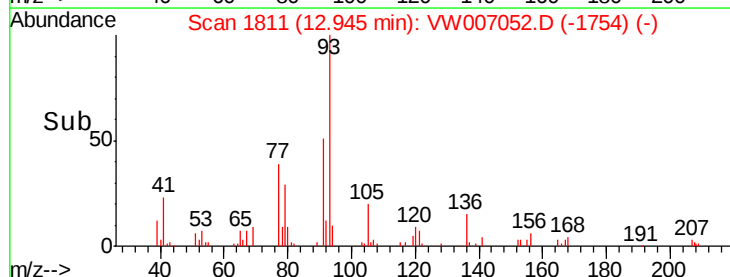
91 100

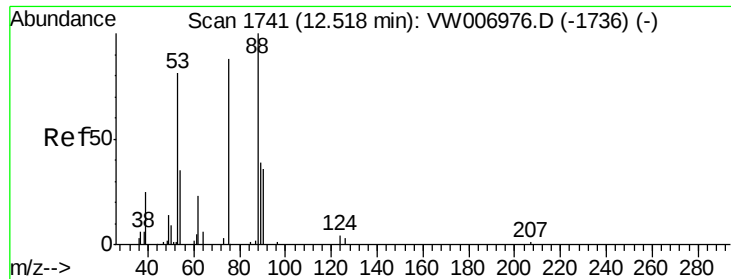
126 0.0 16.7 50.0#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

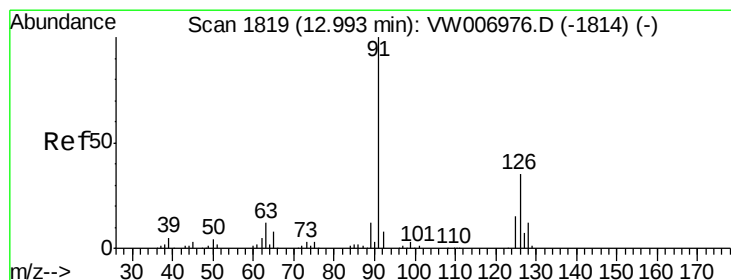
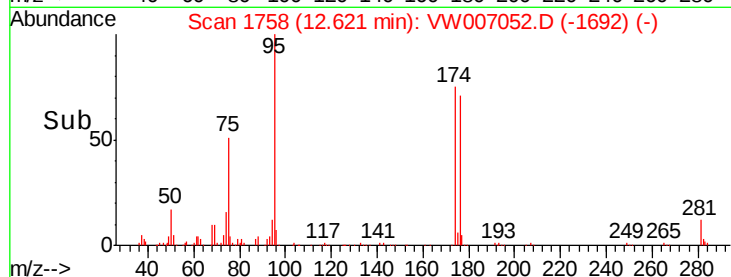
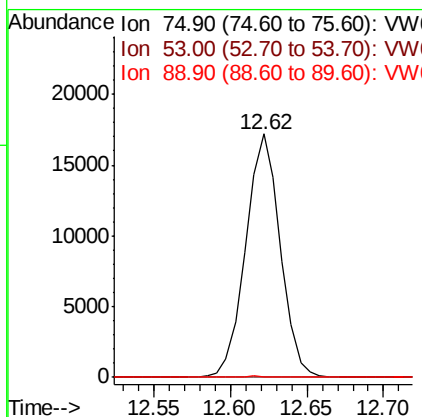
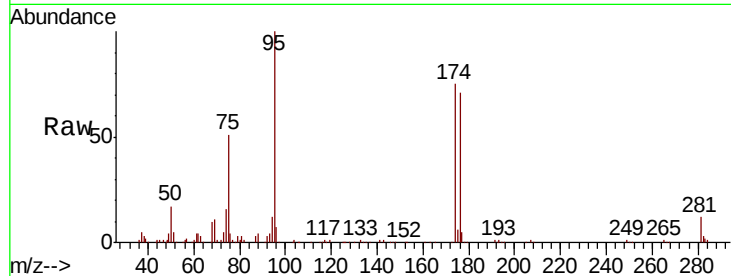




#81
trans-1,4-Dichloro-2-butene
Concen: 192.699 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.10 min
Lab File: VW007052.D
Acq: 26 Nov 2018 17:16

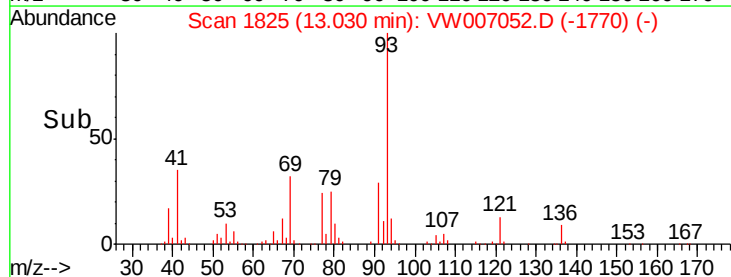
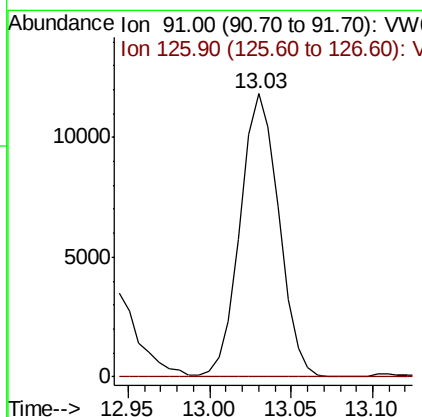
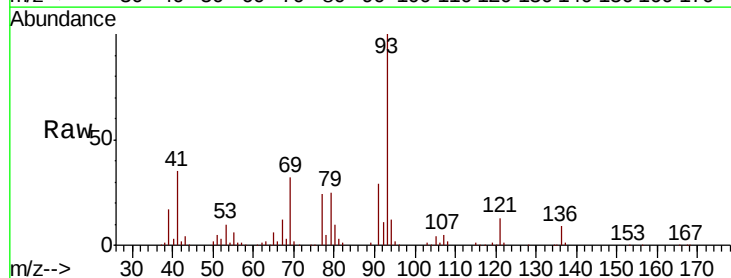
Instrument :
MSVOA_W
ClientSampleId :
SS-02

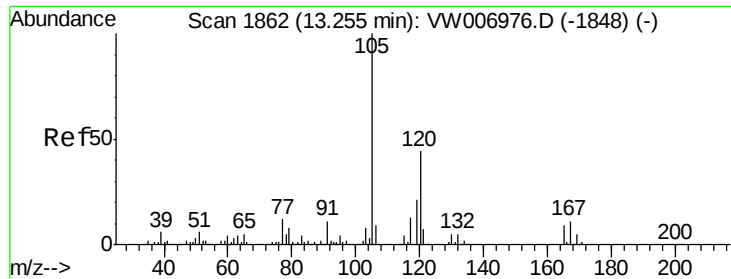
Tot Ion: 75 Resp: 26899
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.2 39.3 58.9#



#82
4-Chlorotoluene
Concen: 7.728 ug/l
RT: 13.03 min Scan# 1825
Delta R.T. 0.04 min
Lab File: VW007052.D
Acq: 26 Nov 2018 17:16

Tgt Ion: 91 Resp: 19634
Ion Ratio Lower Upper
91 100
126 0.0 16.6 49.7#

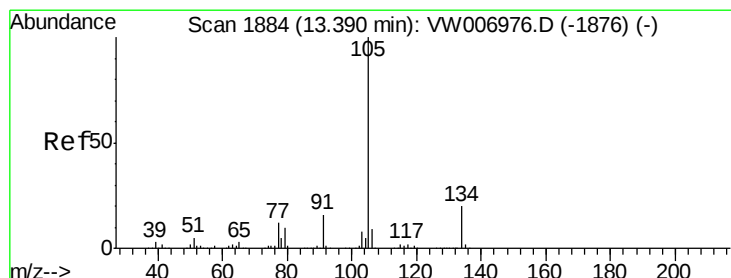
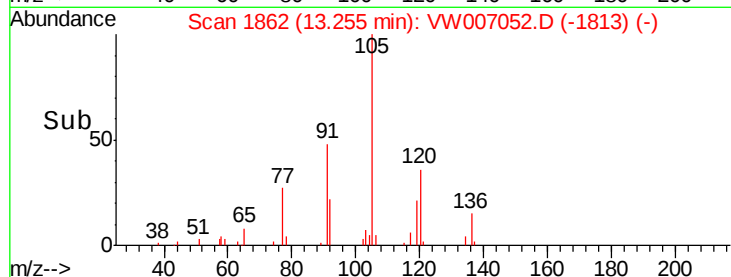
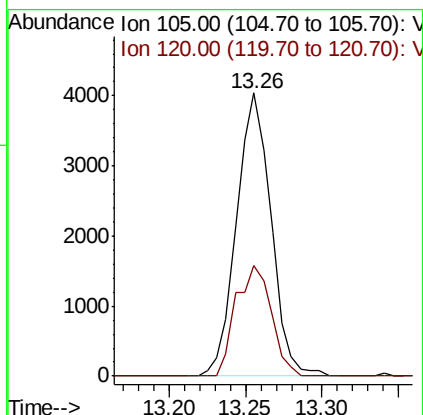
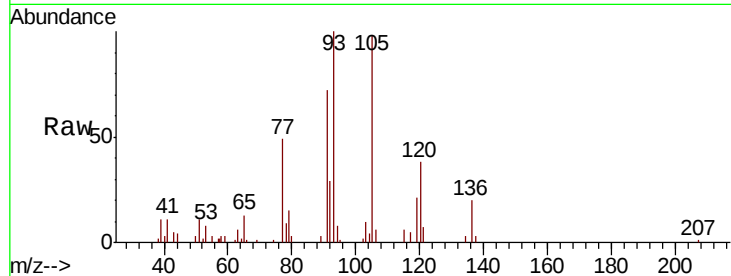




#84
1,2,4-Trimethylbenzene
Concen: 2.112 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007052.D
Acq: 26 Nov 2018 17:16

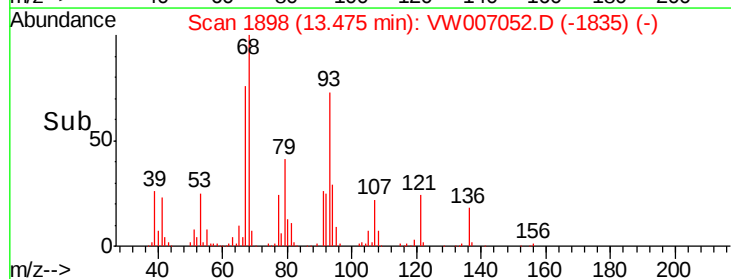
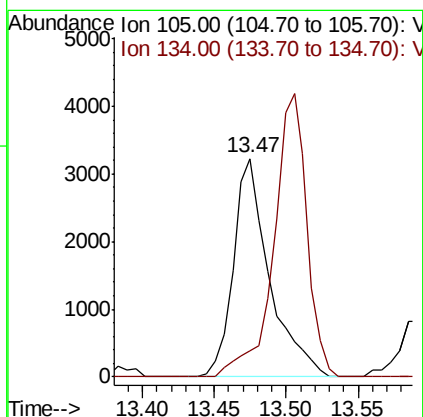
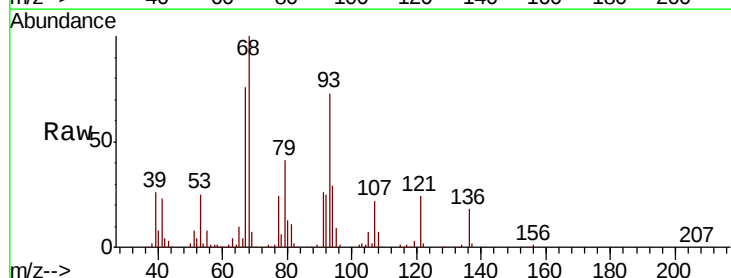
Instrument :
MSVOA_W
ClientSampled :
SS-02

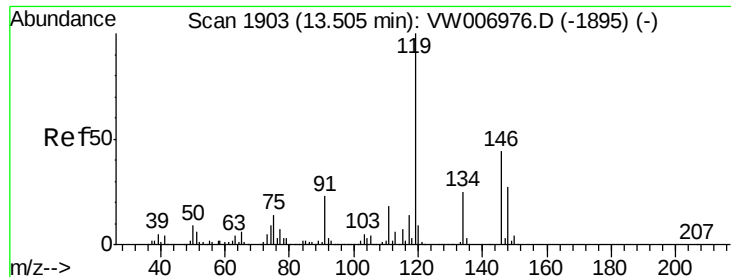
Tot Ion:105 Resp: 6307
Ion Ratio Lower Upper
105 100
120 40.1 21.8 65.3



#85
sec-Butylbenzene
Concen: 1.534 ug/l
RT: 13.47 min Scan# 1898
Delta R.T. 0.09 min
Lab File: VW007052.D
Acq: 26 Nov 2018 17:16

Tgt Ion:105 Resp: 5623
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.3#

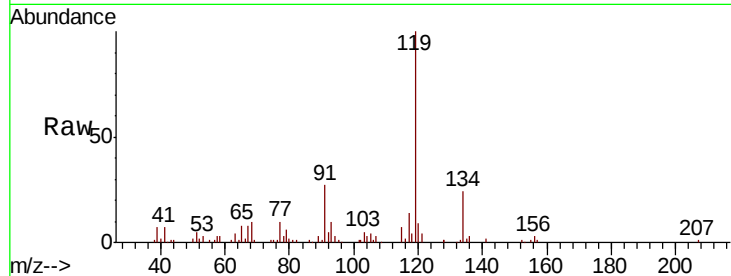




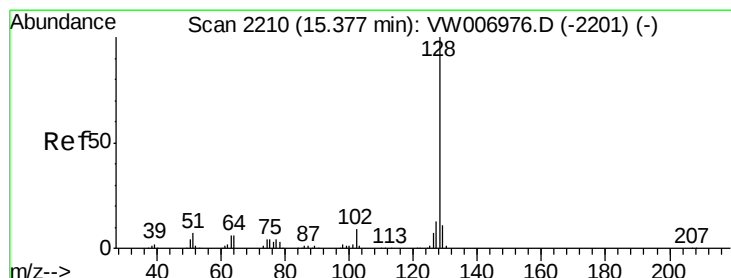
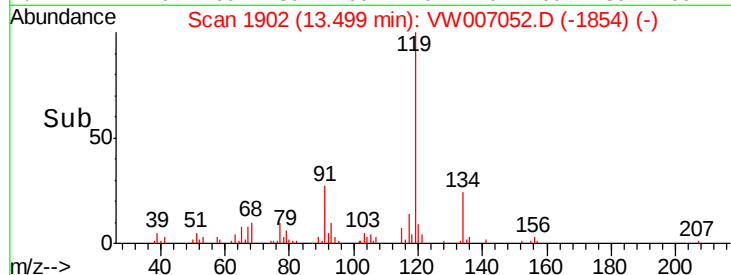
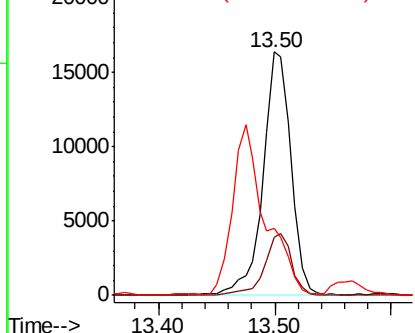
#86
 p-Isopropyltoluene
 Concen: 8.495 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW007052.D
 Acq: 26 Nov 2018 17:16

Instrument :
 MSVOA_W
 ClientSampled :
 SS-02

Tot Ion:119 Resp: 27476
 Ion Ratio Lower Upper
 119 100
 134 24.5 12.8 38.3
 91 0.0 12.2 36.6#

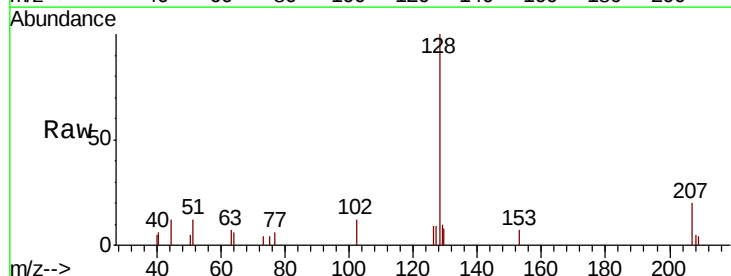


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V



#95
 Naphthalene
 Concen: 1.492 ug/l
 RT: 15.38 min Scan# 2210
 Delta R.T. -0.00 min
 Lab File: VW007052.D
 Acq: 26 Nov 2018 17:16

Tgt Ion:128 Resp: 2379
 Ion Ratio Lower Upper
 128 100
 127 14.5 10.5 15.7
 129 10.4 8.7 13.1



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

