

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110218\
 Data File : VW006560.D
 Acq On : 01 Nov 2018 15:40
 Operator : SY/AP
 Sample : J5665-01
 Misc : 5.51G/5ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DL-06A

Quant Time: Nov 01 16:18:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:48:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	122092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	232261	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	223280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	92855	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	76588	72.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	145.96%	
35) Dibromofluoromethane	7.88	113	71046	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
50) Toluene-d8	10.33	98	211140	38.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.10%	
62) 4-Bromofluorobenzene	12.62	95	73049	36.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.62%	

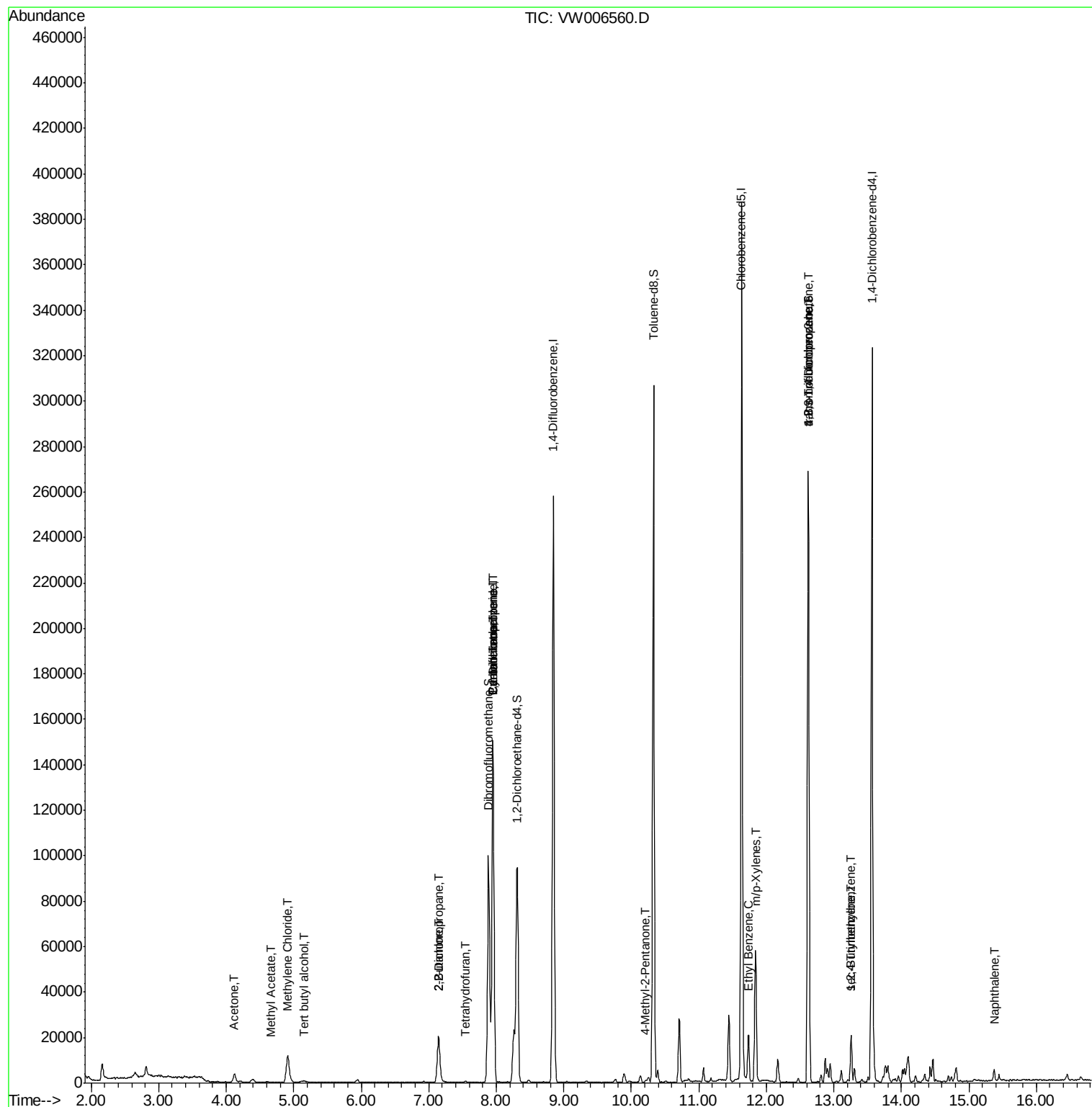
Target Compounds				Qvalue		
11) Tert butyl alcohol	5.15	59	852	15.07	ug/l #	84
16) Acetone	4.12	43	6023	35.55	ug/l	98
18) Methyl Acetate	4.67	43	594	1.22	ug/l #	56
20) Methylene Chloride	4.92	84	9580	3.12	ug/l	92
25) 2-Butanone	7.14	43	844	3.49	ug/l #	46
26) 2,2-Dichloropropane	7.15	77	1366	1.23	ug/l #	49
29) Tetrahydrofuran	7.54	42	339	2.23	ug/l #	73
31) Cyclohexane	7.95	56	2191	1.31	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	7742	3.79	ug/l #	48
38) Carbon Tetrachloride	7.95	117	10500	4.92	ug/l #	17
51) 4-Methyl-2-Pentanone	10.21	43	1046	1.44	ug/l #	72
67) Ethyl Benzene	11.74	91	14696	1.87	ug/l	93
68) m/p-Xylenes	11.84	106	17992	5.73	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	36500	50.38	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	36500	126.19	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.26	105	11405	2.16	ug/l	98
85) sec-Butylbenzene	13.26	105	11405	1.78	ug/l #	55
95) Naphthalene	15.38	128	4657	1.39	ug/l	99

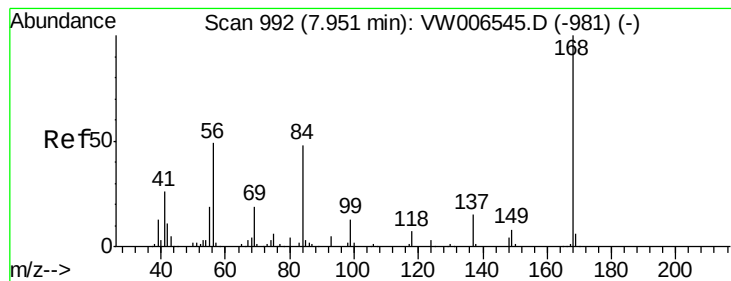
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006560.D

Acq: 01 Nov 2018 15:40

Instrument :

MSVOA_W

ClientSampled :

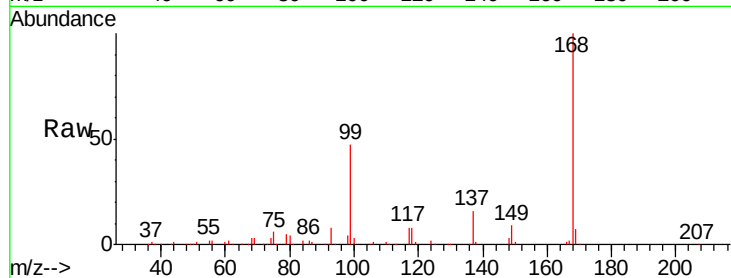
DL-06A

Tgt Ion: 168 Resp: 122092

Ion Ratio Lower Upper

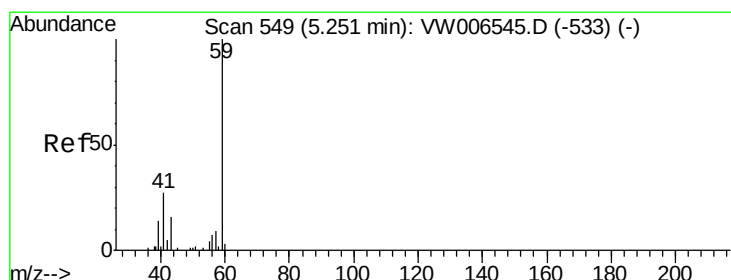
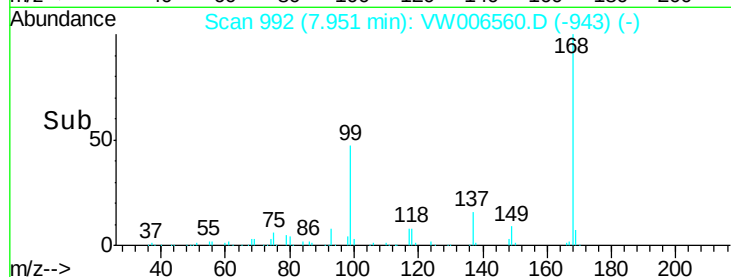
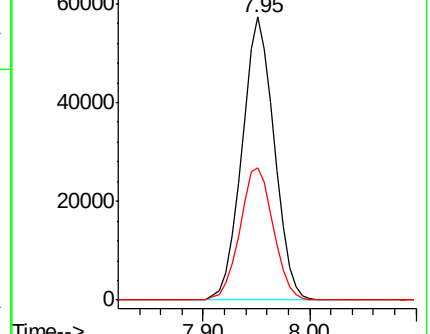
168 100

99 46.6 37.4 56.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 15.07 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.10 min

Lab File: VW006560.D

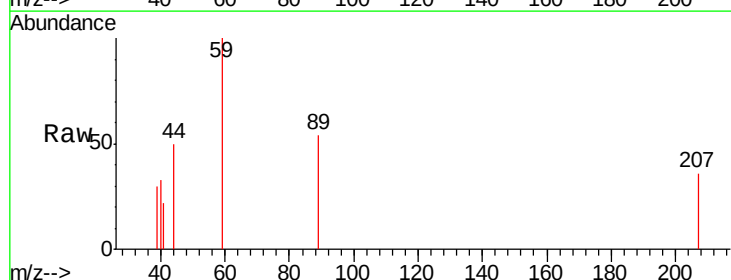
Acq: 01 Nov 2018 15:40

Tgt Ion: 59 Resp: 852

Ion Ratio Lower Upper

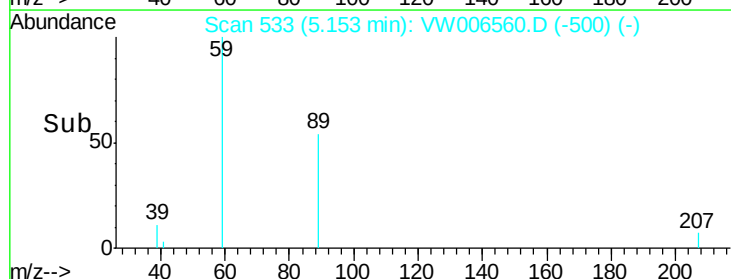
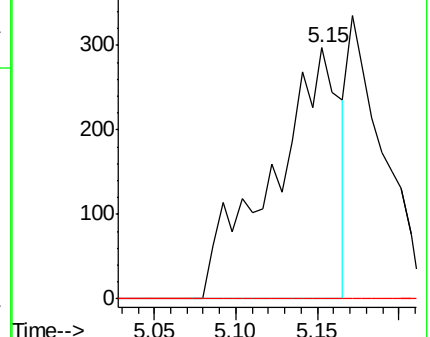
59 100

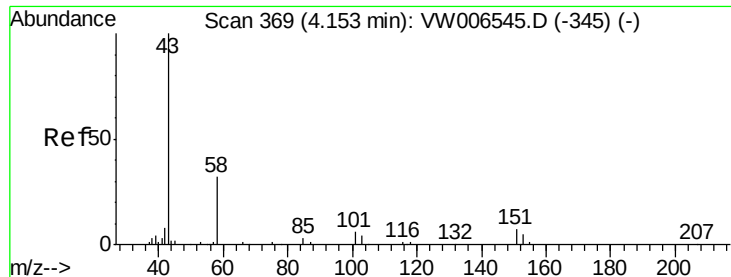
57 0.0 4.3 6.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 35.55 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.03 min

Lab File: VW006560.D

Acq: 01 Nov 2018 15:40

Instrument :

MSVOA_W

ClientSampleId :

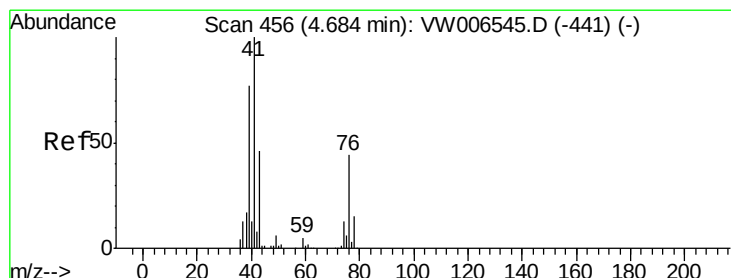
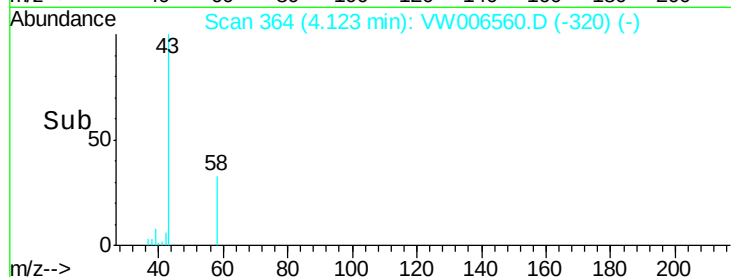
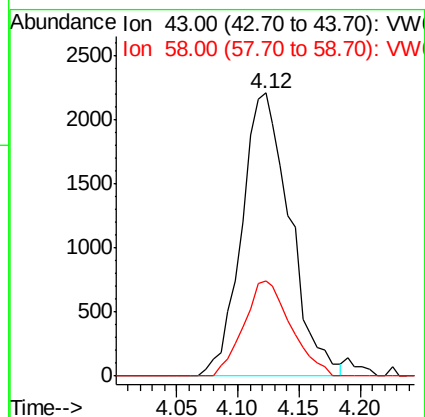
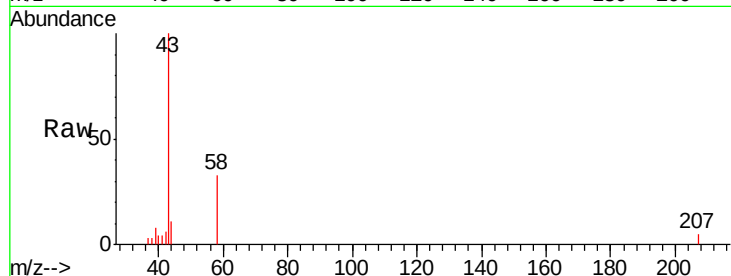
DL-06A

Tgt Ion: 43 Resp: 6023

Ion Ratio Lower Upper

43 100

58 33.5 25.8 38.8



#18

Methyl Acetate

Concen: 1.22 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW006560.D

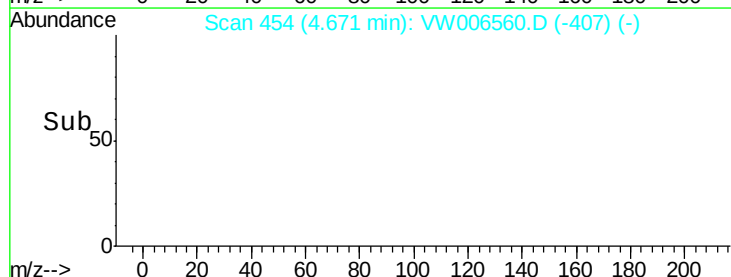
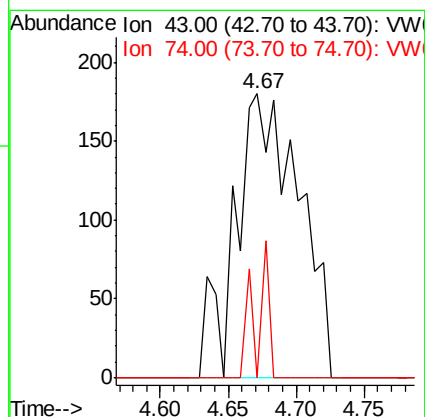
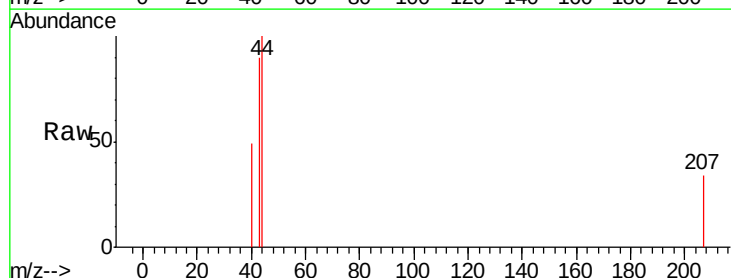
Acq: 01 Nov 2018 15:40

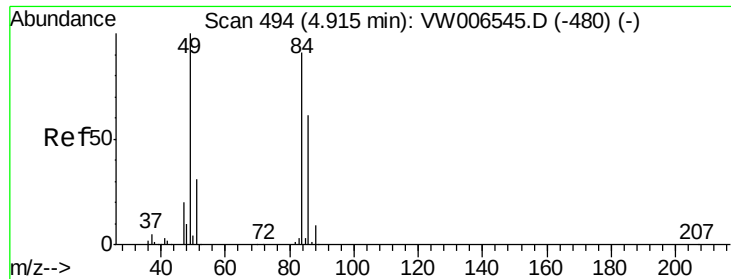
Tgt Ion: 43 Resp: 594

Ion Ratio Lower Upper

43 100

74 4.2 21.9 32.9#

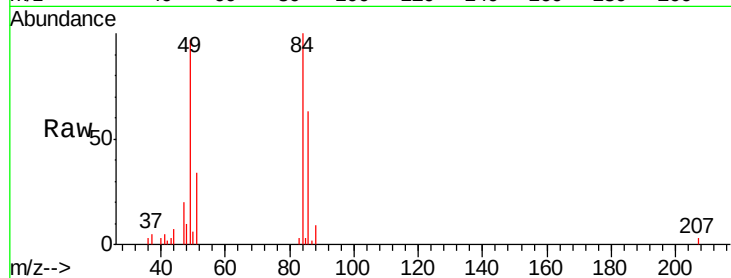




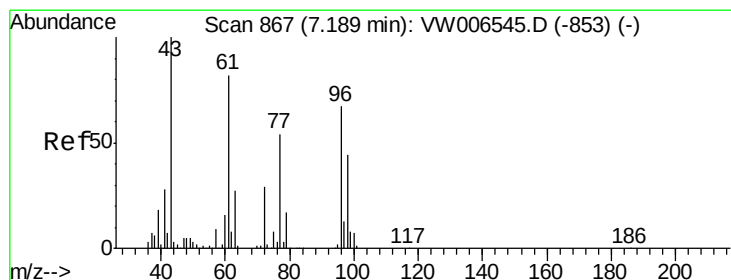
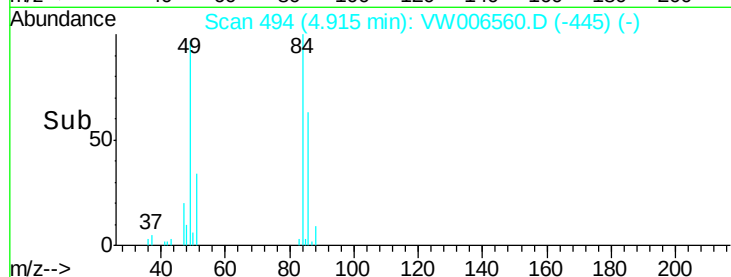
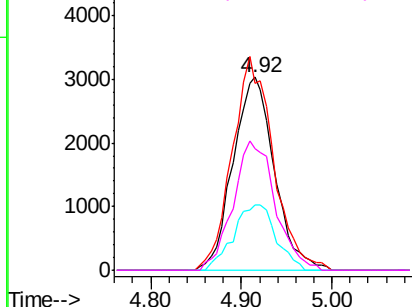
#20
Methylene Chloride
Concen: 3.12 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006560.D
Acq: 01 Nov 2018 15:40

Instrument :
MSVOA_W
ClientSampled :
DL-06A

Tgt Ion: 84 Resp: 9580
Ion Ratio Lower Upper
84 100
49 96.8 88.2 132.4
51 33.7 27.0 40.6
86 63.1 53.8 80.8

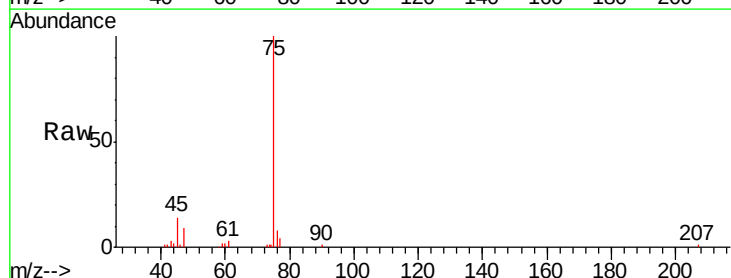


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

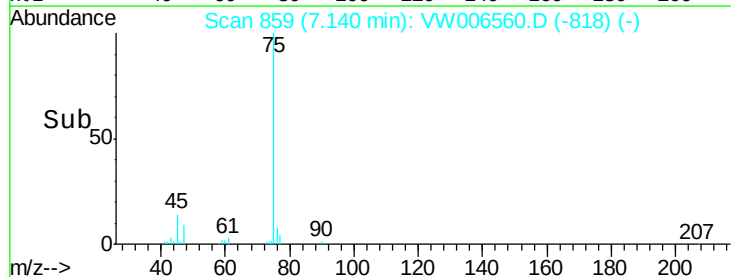
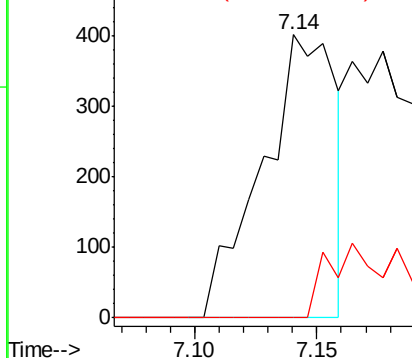


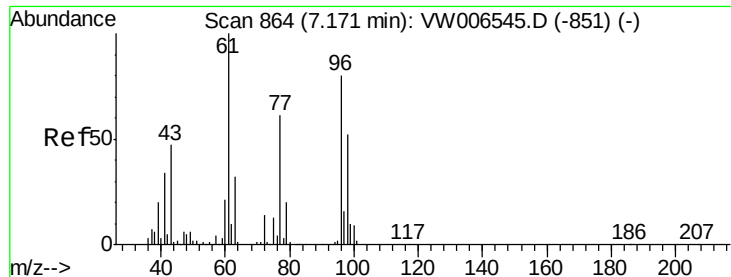
#25
2-Butanone
Concen: 3.49 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.05 min
Lab File: VW006560.D
Acq: 01 Nov 2018 15:40

Tgt Ion: 43 Resp: 844
Ion Ratio Lower Upper
43 100
72 0.0 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

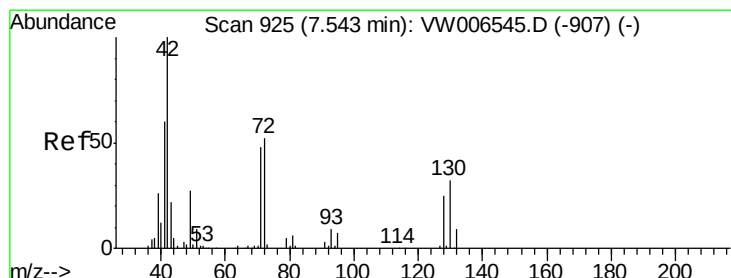
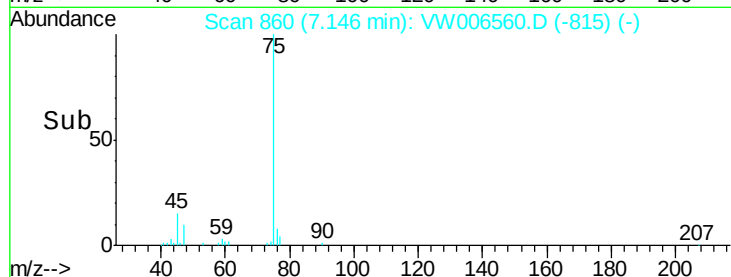
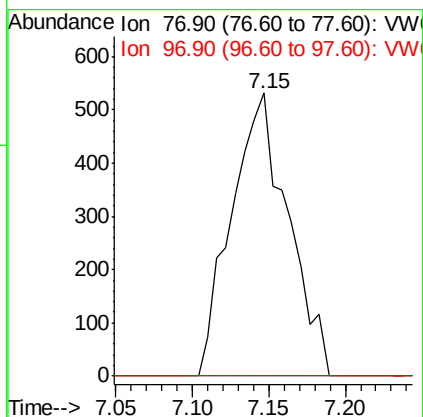
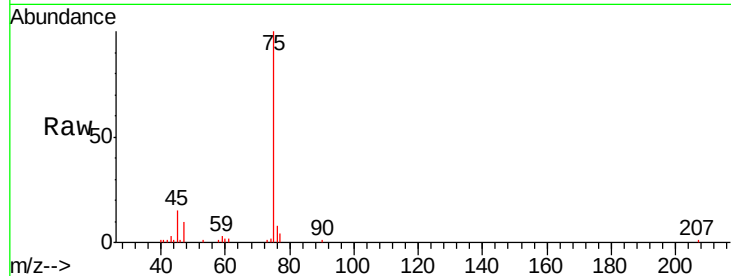




#26
 2,2-Dichloropropane
 Concen: 1.23 ug/l
 RT: 7.15 min Scan# 860
 Delta R.T. -0.02 min
 Lab File: VW006560.D
 Acq: 01 Nov 2018 15:40

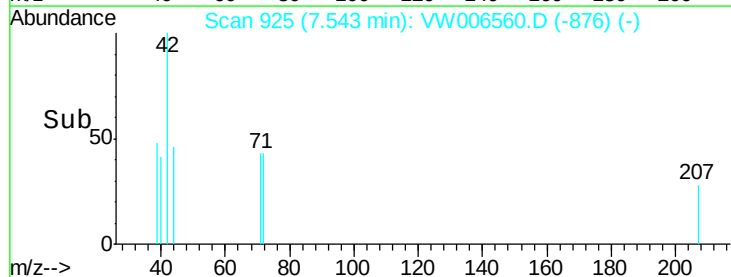
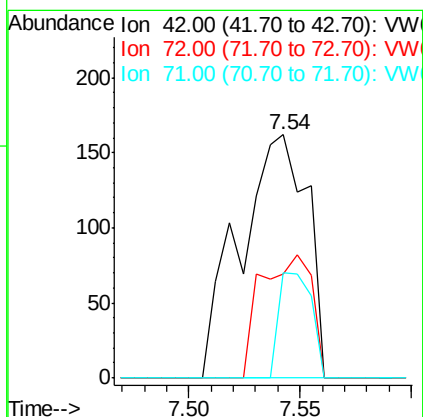
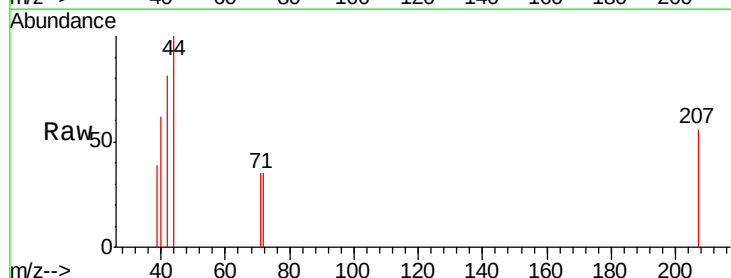
Instrument :
 MSVOA_W
 ClientSampled :
 DL-06A

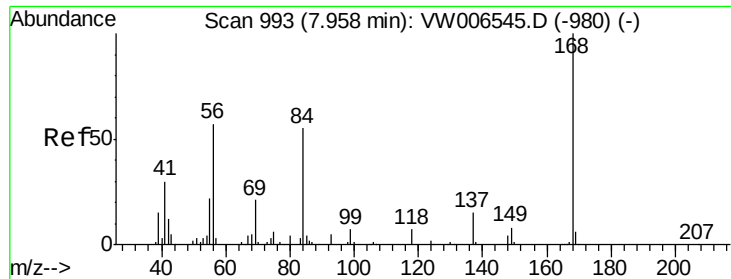
Tgt Ion: 77 Resp: 1366
 Ion Ratio Lower Upper
 77 100
 97 0.0 12.8 38.4#



#29
 Tetrahydrofuran
 Concen: 2.23 ug/l
 RT: 7.54 min Scan# 925
 Delta R.T. -0.00 min
 Lab File: VW006560.D
 Acq: 01 Nov 2018 15:40

Tgt Ion: 42 Resp: 339
 Ion Ratio Lower Upper
 42 100
 72 38.1 39.2 58.8#
 71 20.9 37.6 56.4#

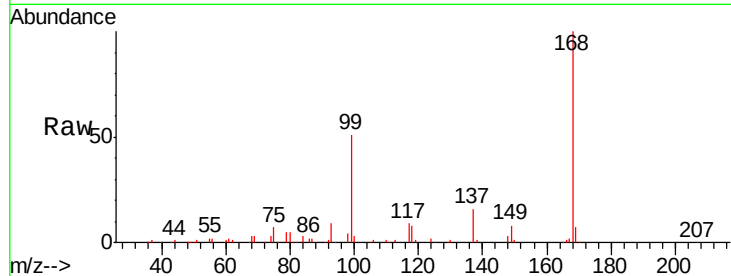




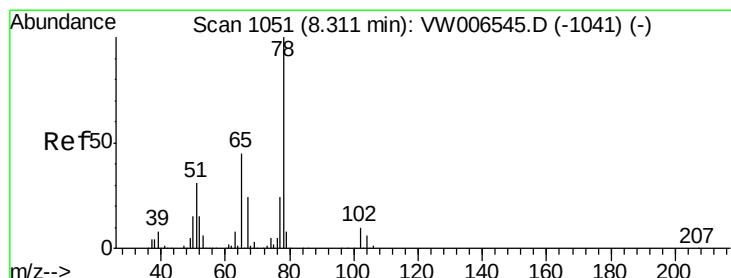
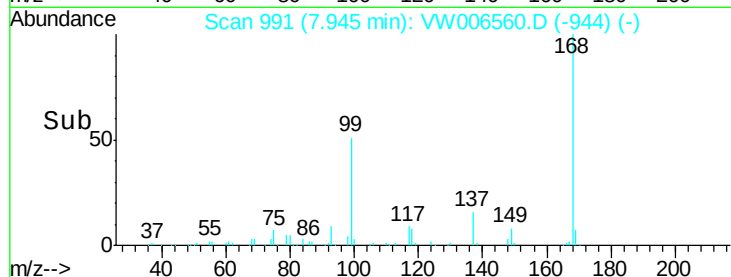
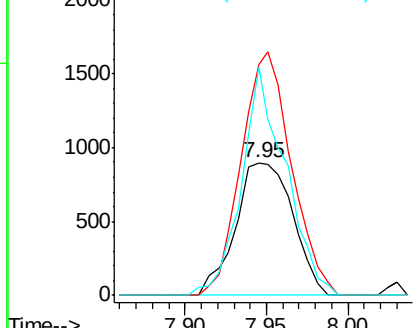
#31
Cyclohexane
Concen: 1.31 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW006560.D
Acq: 01 Nov 2018 15:40

Instrument :
MSVOA_W
ClientSampled :
DL-06A

Tgt Ion: 56 Resp: 2191
Ion Ratio Lower Upper
56 100
69 174.2 29.0 43.4#
84 172.7 77.8 116.6#

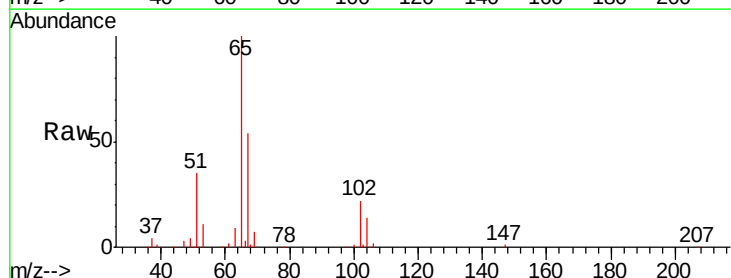


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

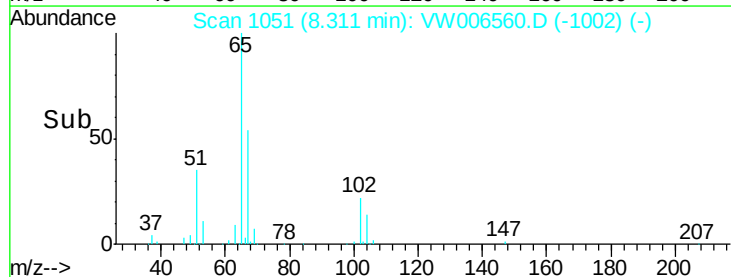
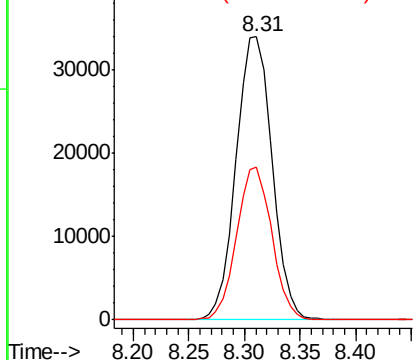


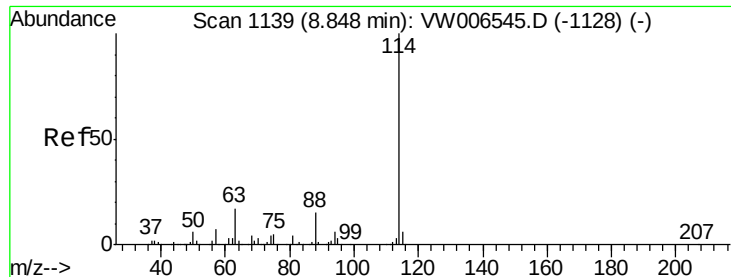
#33
1,2-Dichloroethane-d4
Concen: 72.98 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW006560.D
Acq: 01 Nov 2018 15:40

Tgt Ion: 65 Resp: 76588
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.4



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

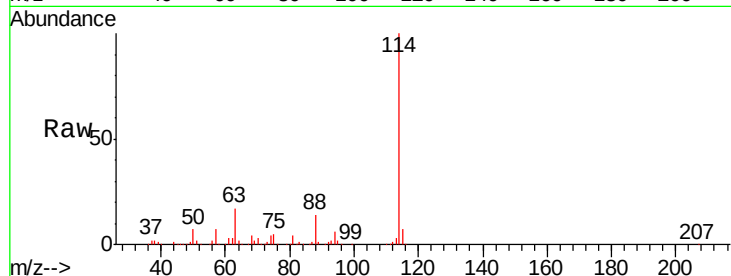




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW006560.D
 Acq: 01 Nov 2018 15:40

Instrument :
 MSVOA_W
 ClientSampleId :
 DL-06A

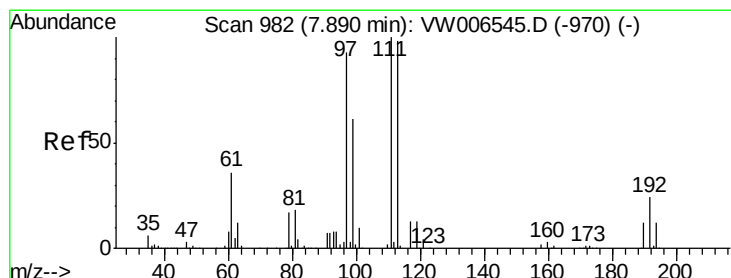
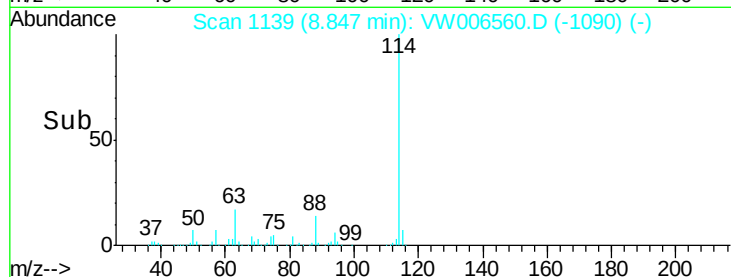
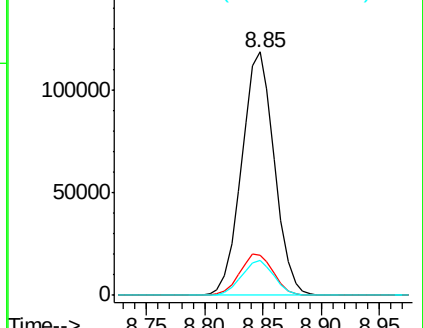
Tgt Ion	Ratio	Lower	Upper
114	100		
63	16.7	0.0	34.4
88	14.4	0.0	29.0



Abundance Ion 113.90 (113.60 to 114.60): V

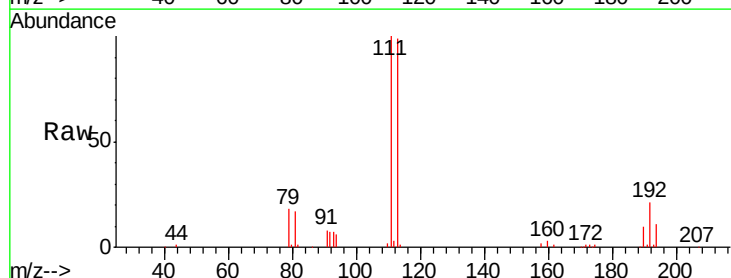
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35
 Dibromofluoromethane
 Concen: 48.74 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006560.D
 Acq: 01 Nov 2018 15:40

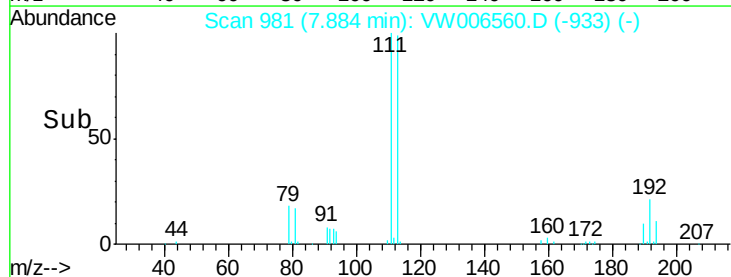
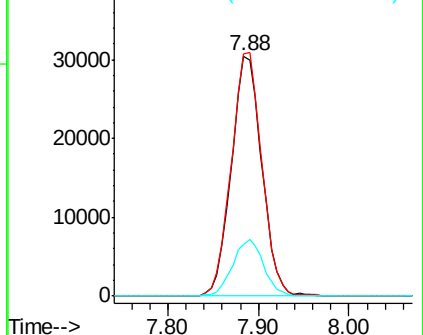
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.2	123.2
192	23.8	19.0	28.6

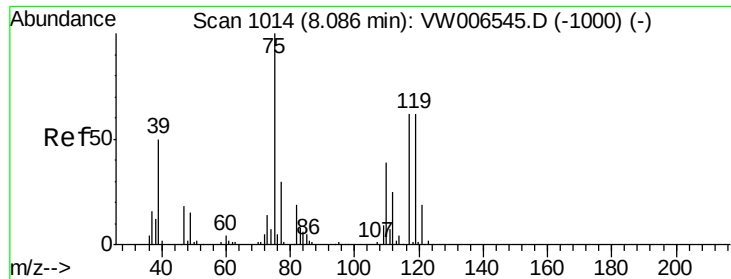


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

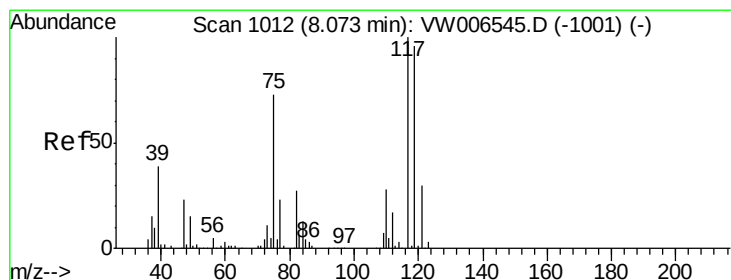
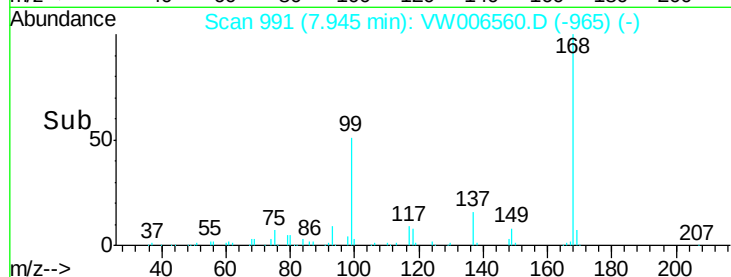
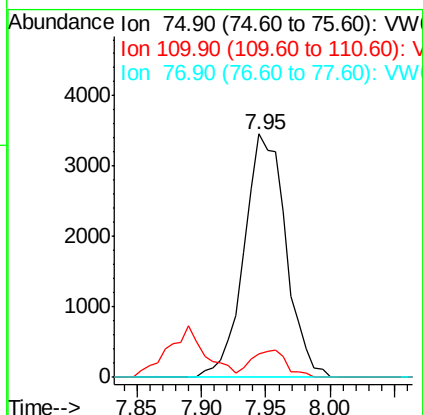
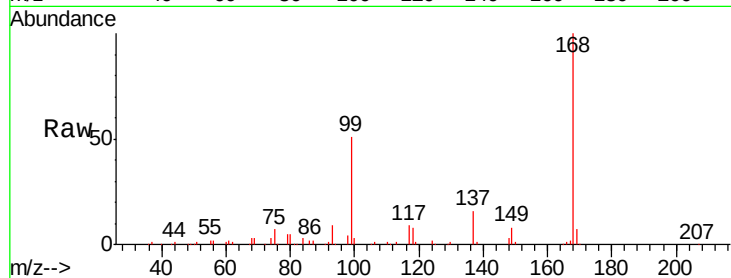




#36
 1,1-Dichloropropene
 Concen: 3.79 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW006560.D
 Acq: 01 Nov 2018 15:40

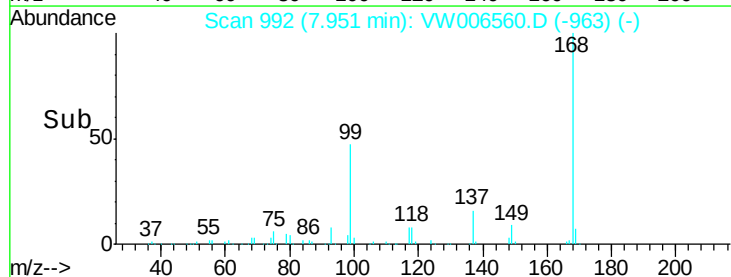
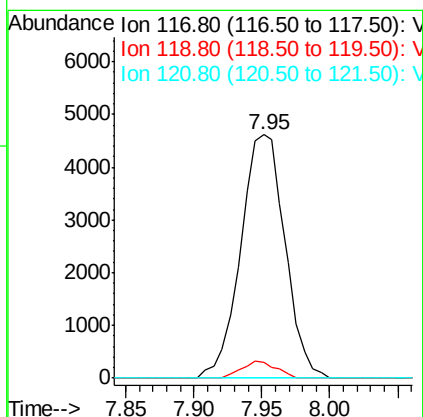
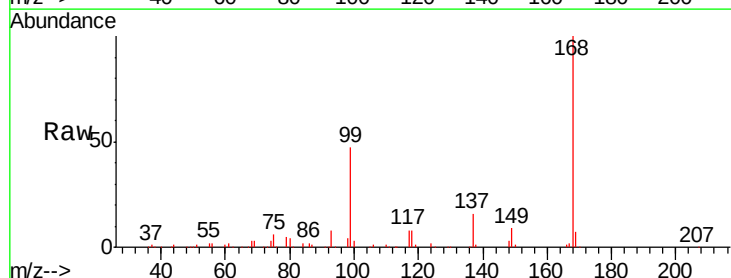
Instrument :
 MSVOA_W
 ClientSampled :
 DL-06A

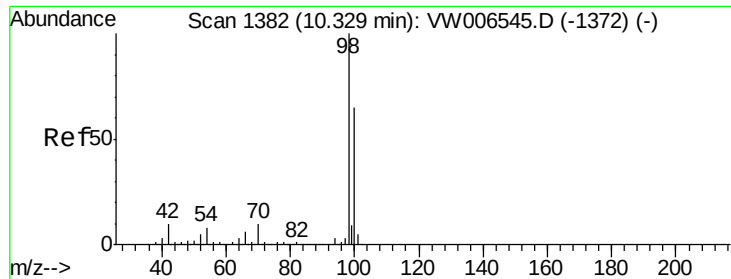
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	19.5	58.5#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 4.92 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW006560.D
 Acq: 01 Nov 2018 15:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.6	76.3	114.5#
121	0.0	24.1	36.1#





#50

Toluene-d8

Concen: 38.05 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006560.D

Acq: 01 Nov 2018 15:40

Instrument :

MSVOA_W

ClientSampled :

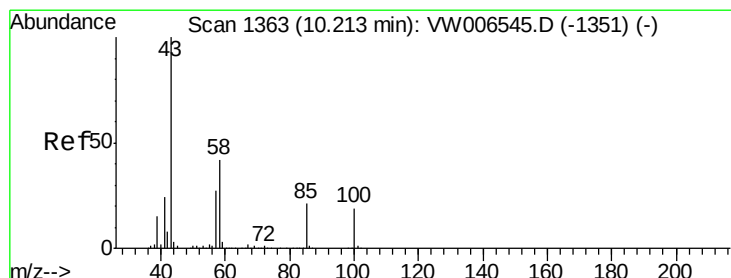
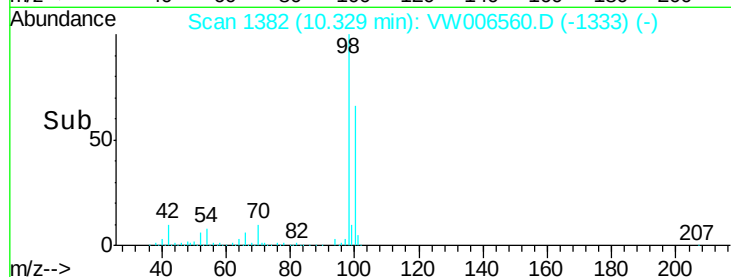
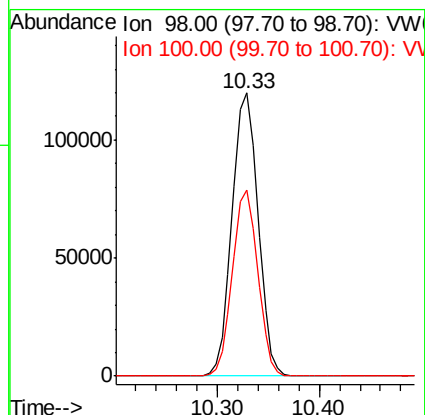
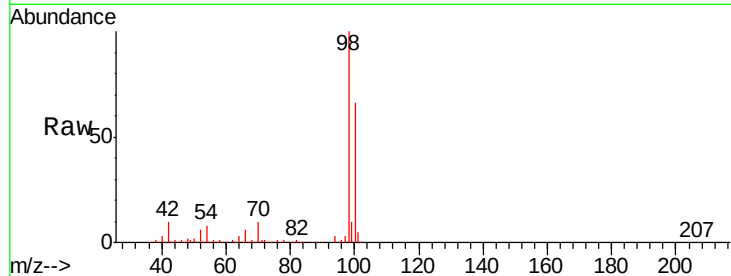
DL-06A

Tgt Ion: 98 Resp: 211140

Ion Ratio Lower Upper

98 100

100 64.3 51.6 77.4



#51

4-Methyl-2-Pentanone

Concen: 1.44 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW006560.D

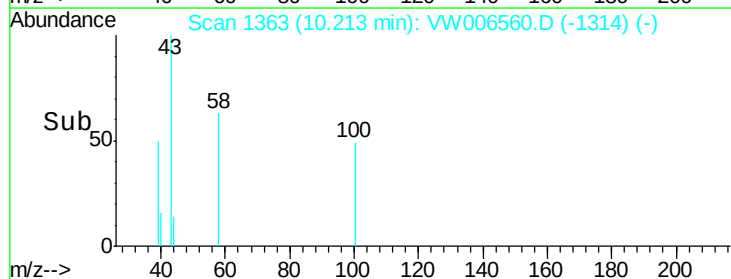
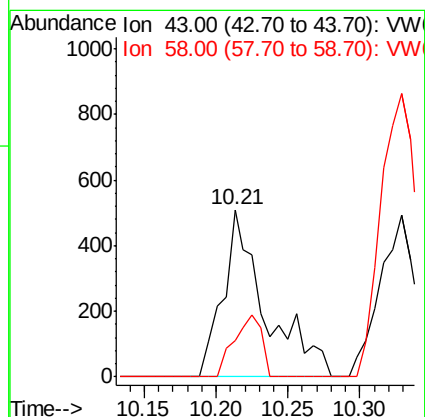
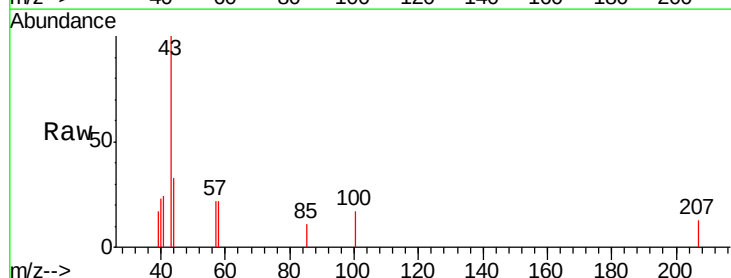
Acq: 01 Nov 2018 15:40

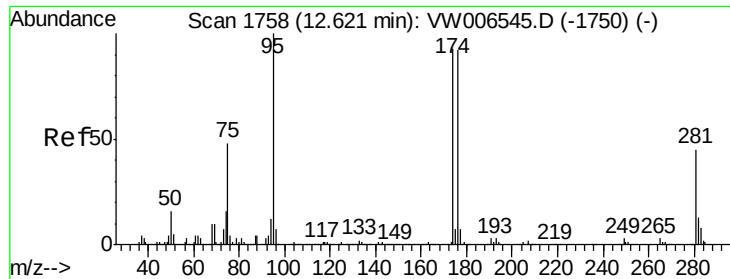
Tgt Ion: 43 Resp: 1046

Ion Ratio Lower Upper

43 100

58 24.0 33.4 50.0#

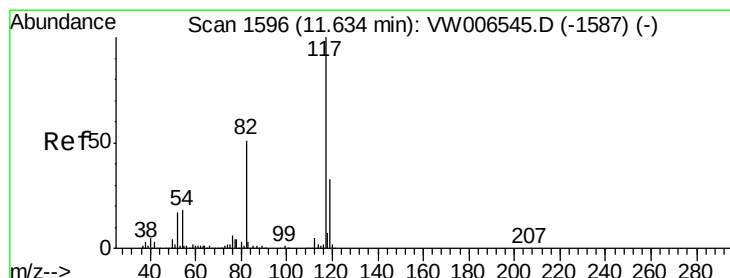
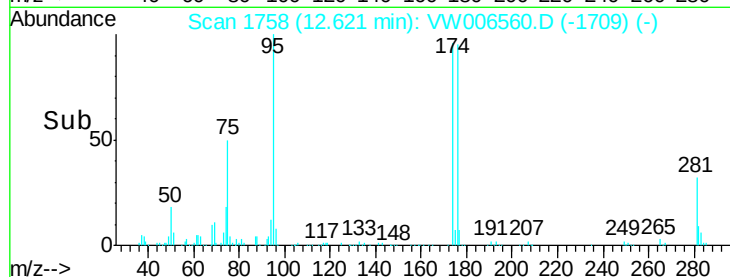
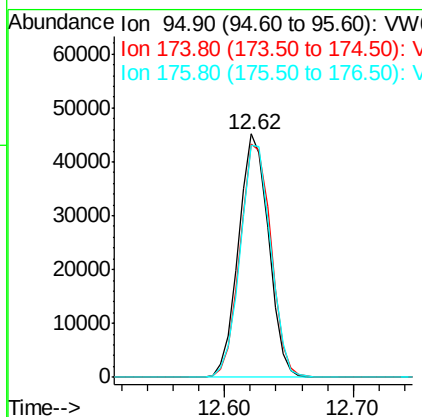
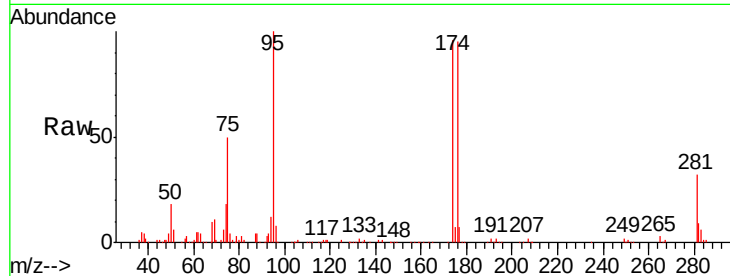




#62
4-Bromofluorobenzene
Concen: 36.31 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW006560.D
Acq: 01 Nov 2018 15:40

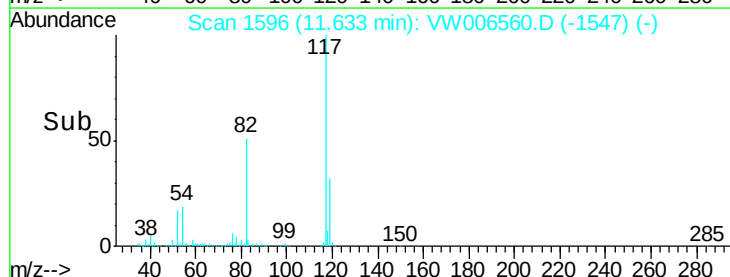
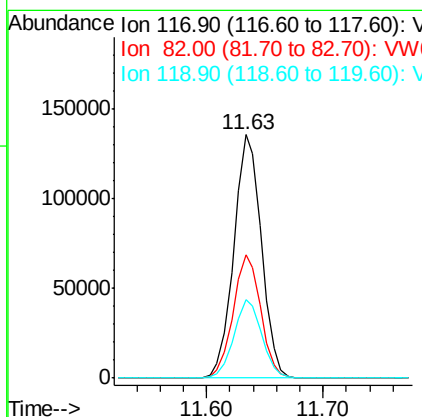
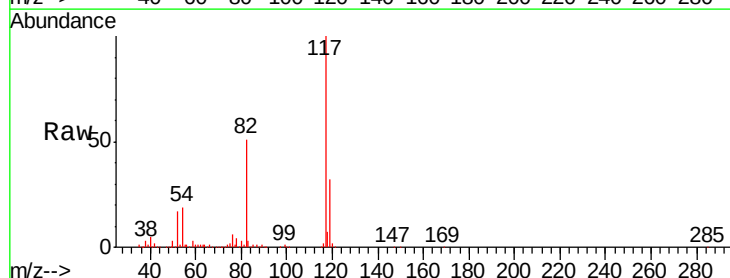
Instrument :
MSVOA_W
ClientSampled :
DL-06A

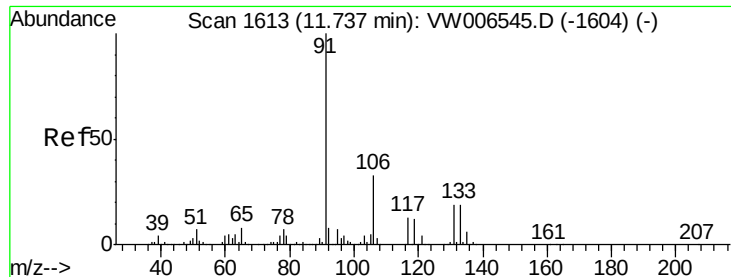
Tgt Ion: 95 Resp: 73049
Ion Ratio Lower Upper
95 100
174 98.1 0.0 192.4
176 96.3 0.0 187.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006560.D
Acq: 01 Nov 2018 15:40

Tgt Ion: 117 Resp: 223280
Ion Ratio Lower Upper
117 100
82 50.6 40.8 61.2
119 31.8 26.1 39.1

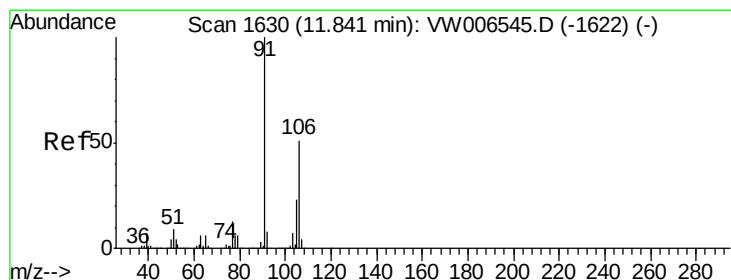
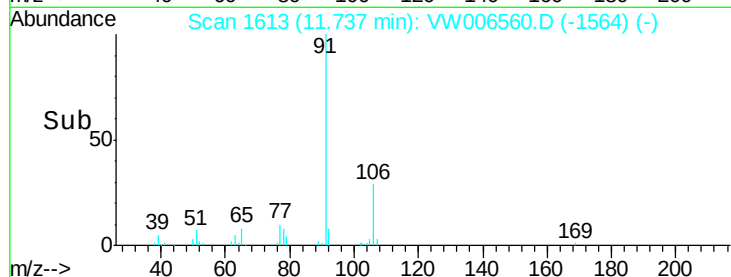
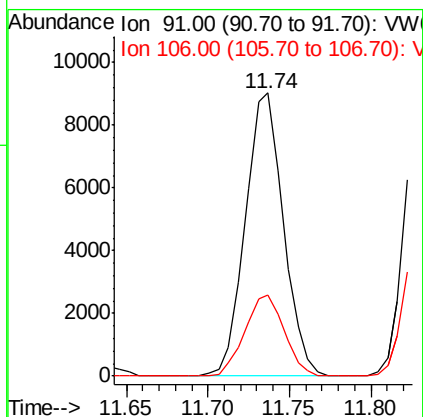
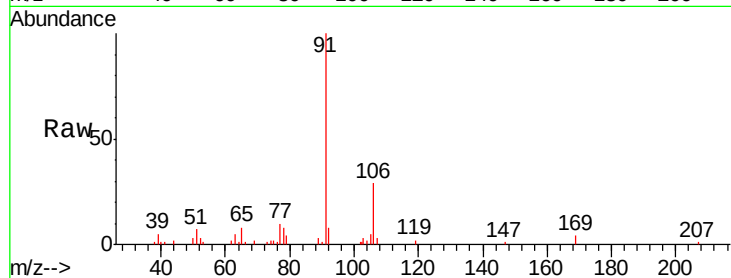




#67
Ethyl Benzene
Concen: 1.87 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW006560.D
Acq: 01 Nov 2018 15:40

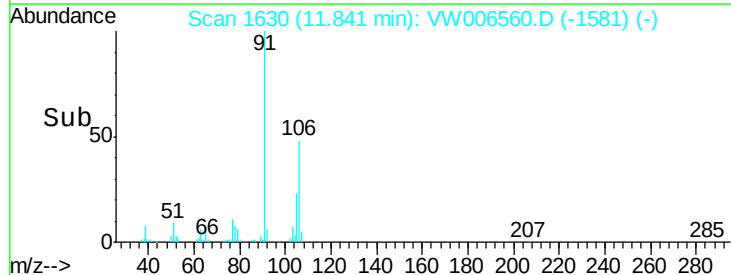
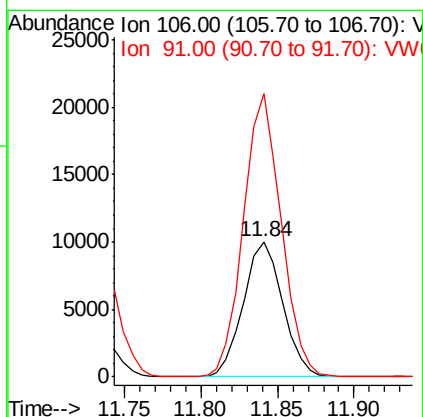
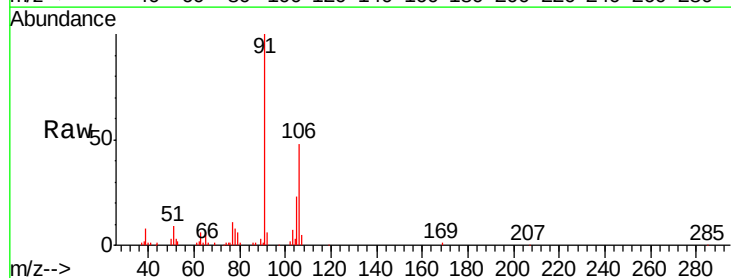
Instrument :
MSVOA_W
ClientSampled :
DL-06A

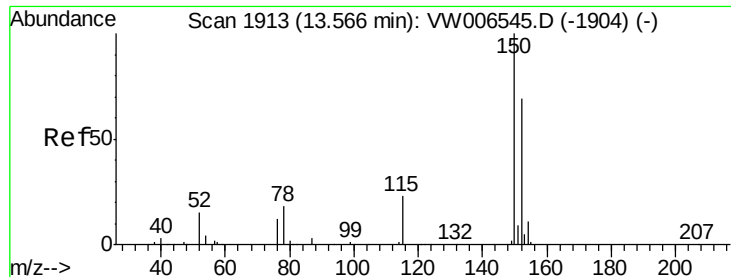
Tgt Ion: 91 Resp: 14696
Ion Ratio Lower Upper
91 100
106 28.7 26.3 39.5



#68
m/p-Xylenes
Concen: 5.73 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW006560.D
Acq: 01 Nov 2018 15:40

Tgt Ion: 106 Resp: 17992
Ion Ratio Lower Upper
106 100
91 200.7 156.7 235.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW006560.D

Acq: 01 Nov 2018 15:40

Instrument :

MSVOA_W

ClientSampleId :

DL-06A

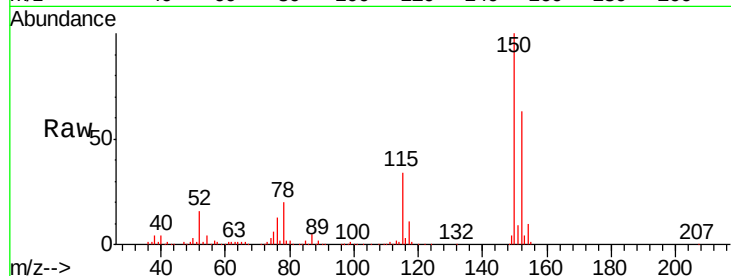
Tgt Ion:152 Resp: 92855

Ion Ratio Lower Upper

152 100

115 54.3 26.6 79.8

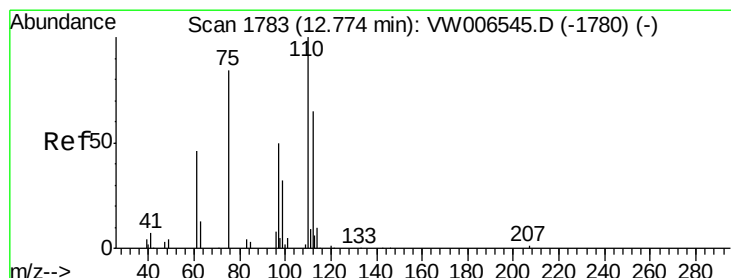
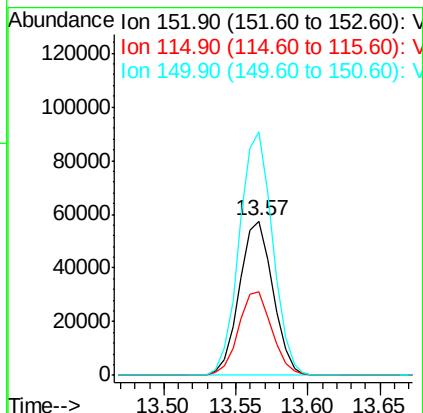
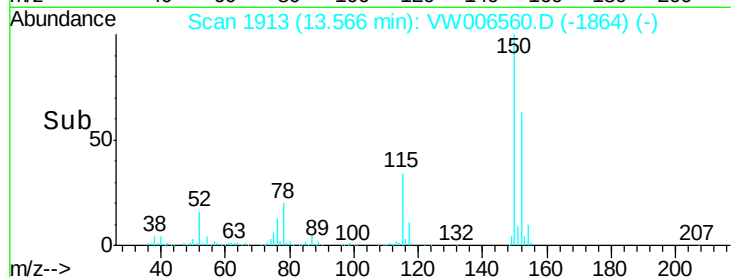
150 156.8 0.0 344.6



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: 50.38 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006560.D

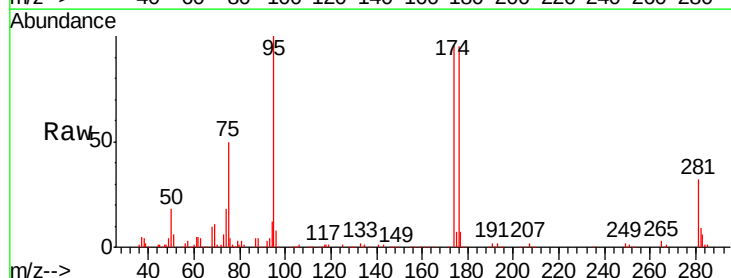
Acq: 01 Nov 2018 15:40

Tgt Ion: 75 Resp: 36500

Ion Ratio Lower Upper

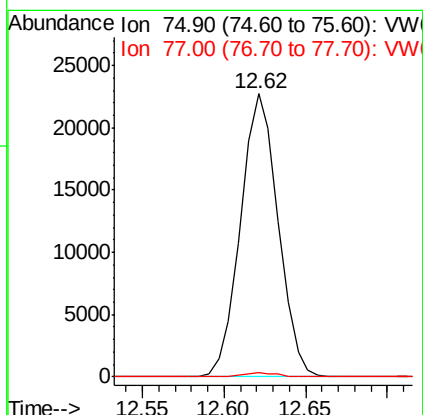
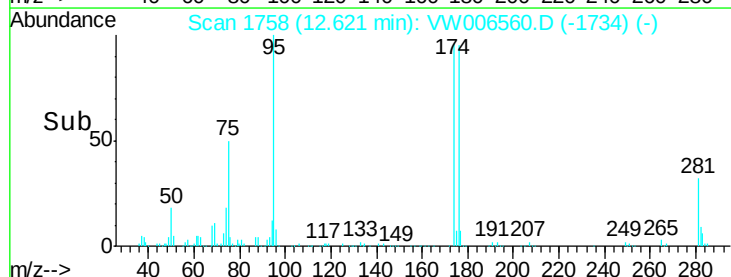
75 100

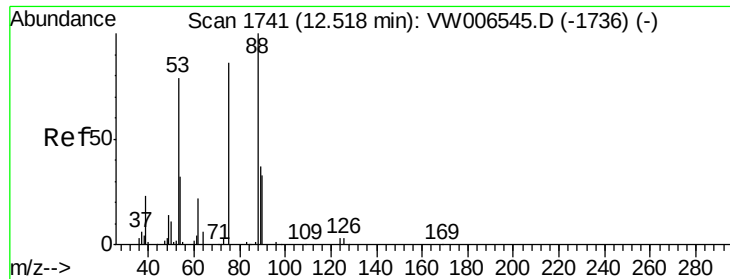
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 126.19 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006560.D

Acq: 01 Nov 2018 15:40

Instrument :

MSVOA_W

ClientSampleId :

DL-06A

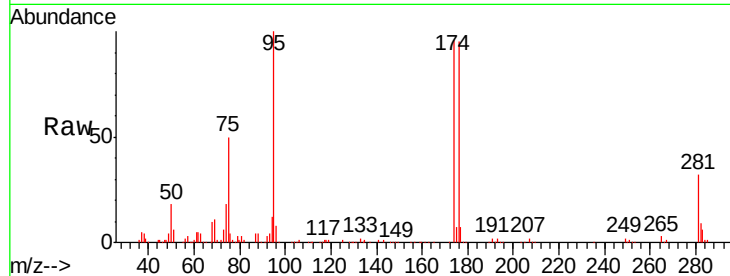
Tgt Ion: 75 Resp: 36500

Ion Ratio Lower Upper

75 100

53 0.0 77.2 115.8#

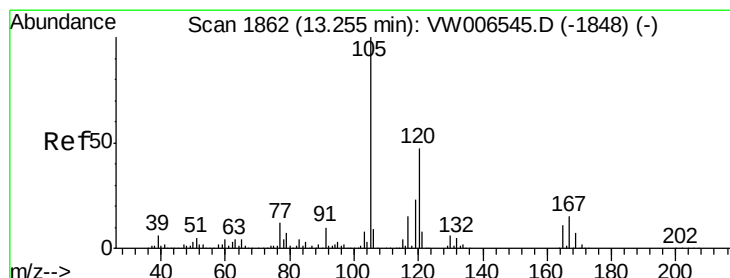
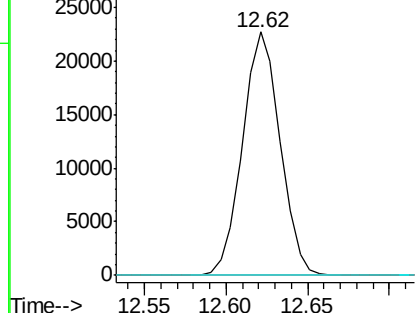
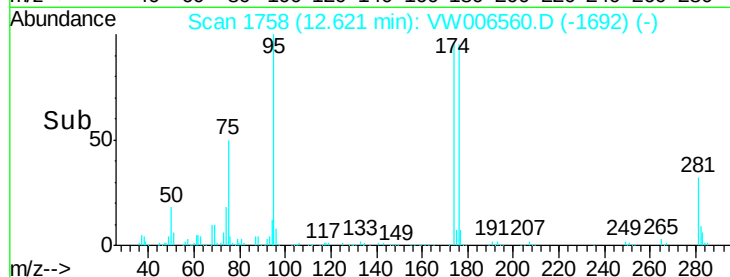
89 0.3 38.6 58.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#84

1,2,4-Trimethylbenzene

Concen: 2.16 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW006560.D

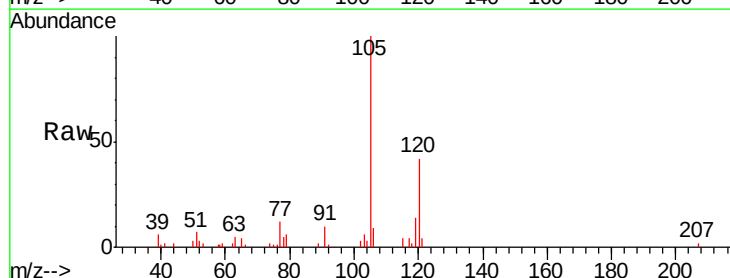
Acq: 01 Nov 2018 15:40

Tgt Ion: 105 Resp: 11405

Ion Ratio Lower Upper

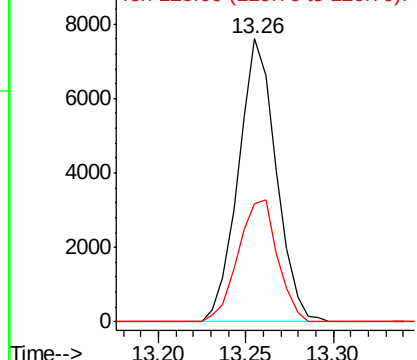
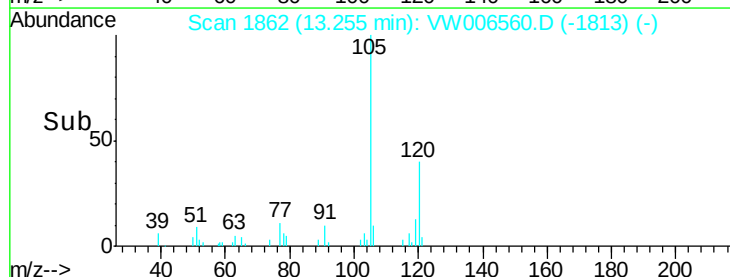
105 100

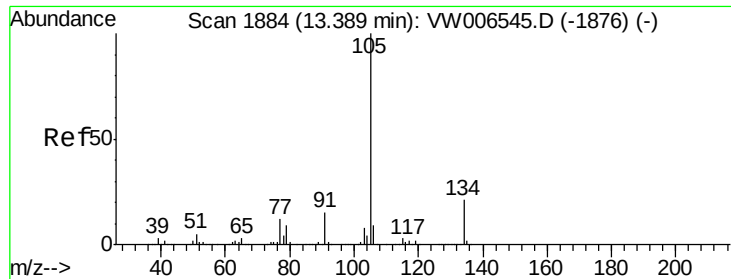
120 44.9 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.78 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.13 min

Lab File: VW006560.D

Acq: 01 Nov 2018 15:40

Instrument :

MSVOA_W

ClientSampleId :

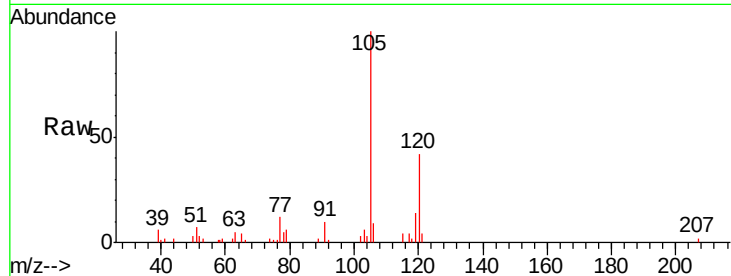
DL-06A

Tgt Ion:105 Resp: 11405

Ion Ratio Lower Upper

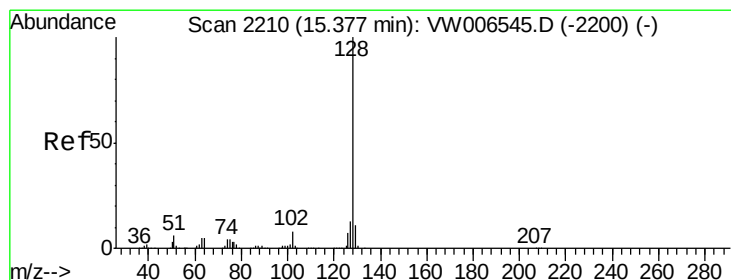
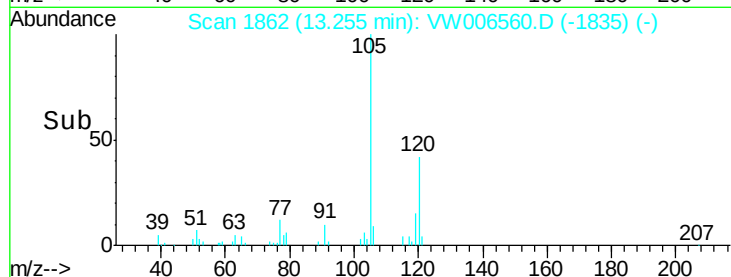
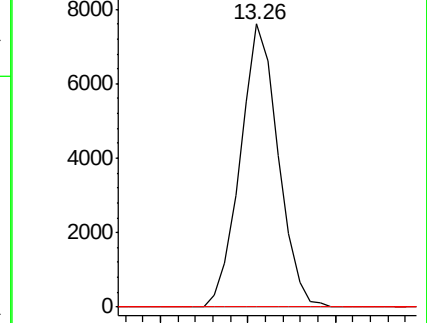
105 100

134 0.0 10.6 31.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#95

Naphthalene

Concen: 1.39 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW006560.D

Acq: 01 Nov 2018 15:40

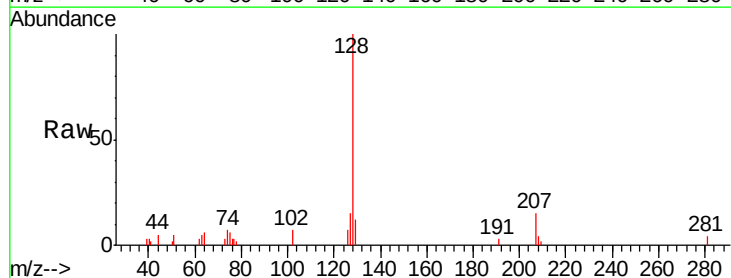
Tgt Ion:128 Resp: 4657

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

129 11.3 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

