

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW051518\
 Data File : VW002560.D
 Acq On : 15 May 2018 19:29
 Operator : JC/SY
 Sample : J2888-25
 Misc : 5.03G/10ML/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 26KV-S1

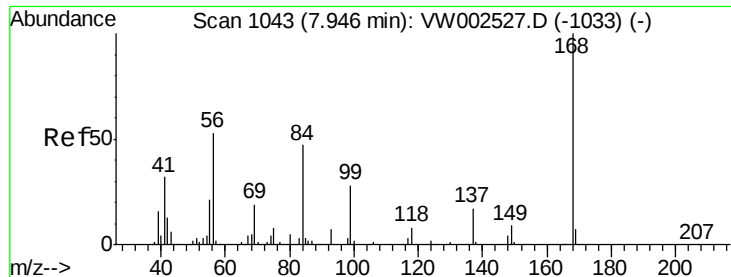
Quant Time: May 16 05:47:22 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W051518S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 03:32:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	143516	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	223215	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	206927	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	108578	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	68145	45.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.90%	
35) Dibromofluoromethane	7.88	113	13282	9.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.76%	
50) Toluene-d8	10.33	98	206564	38.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.68%	
62) 4-Bromofluorobenzene	12.63	95	79812	40.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	605	1.09	ug/l #	70
11) Tert butyl alcohol	5.18	59	193	1.69	ug/l	100
16) Acetone	4.12	43	2872	9.17	ug/l #	84
20) Methylene Chloride	4.89	84	746	Below Cal	#	69
25) 2-Butanone	7.16	43	1520	3.43	ug/l #	49
29) Tetrahydrofuran	7.56	42	489	1.77	ug/l #	46
31) Cyclohexane	7.95	56	3199	1.52	ug/l #	27
36) 1,1-Dichloropropene	7.95	75	10190	5.17	ug/l #	51
38) Carbon Tetrachloride	7.95	117	13878	7.20	ug/l #	18
76) 1,2,3-Trichloropropane	12.63	75	40545	39.50	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	40545	107.71	ug/l #	8

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VW002560.D

Acq: 15 May 2018 19:29

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MSVOA_W

ClientSampleId :

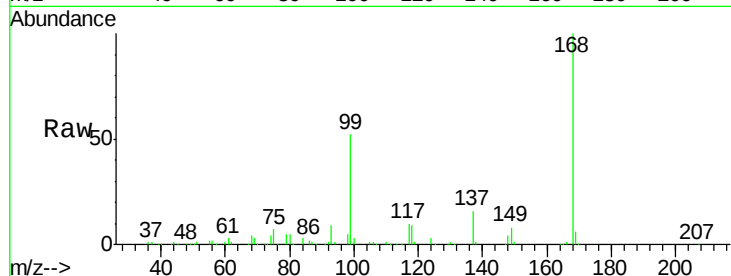
26KV-S1

Tgt Ion: 168 Resp: 143516

Ion Ratio Lower Upper

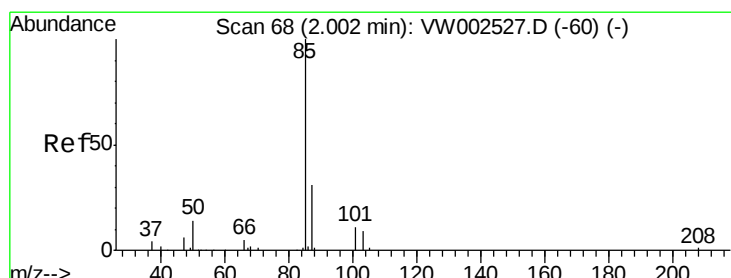
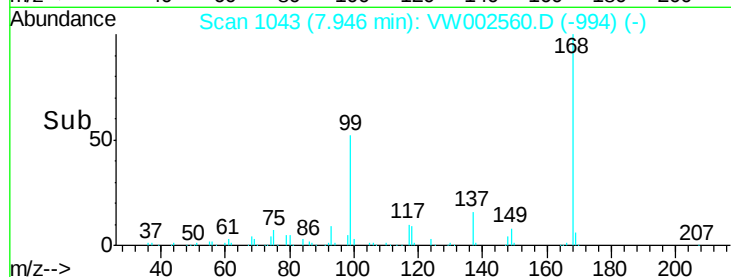
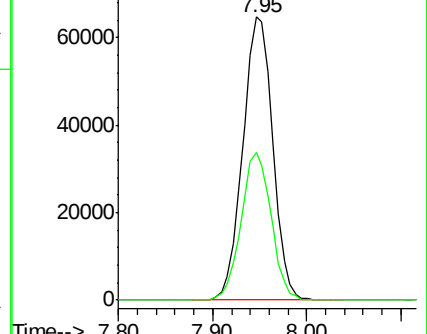
168 100

99 52.3 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 1.09 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW002560.D

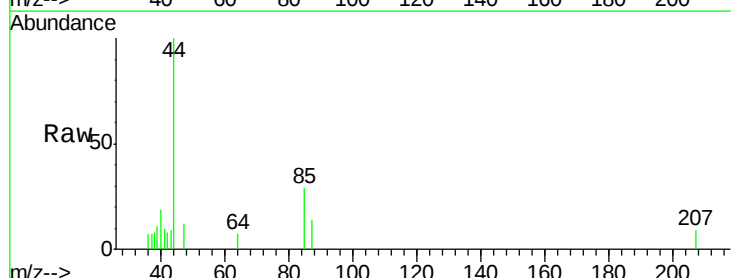
Acq: 15 May 2018 19:29

Tgt Ion: 85 Resp: 605

Ion Ratio Lower Upper

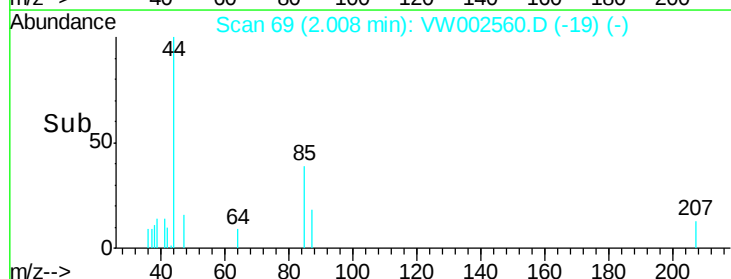
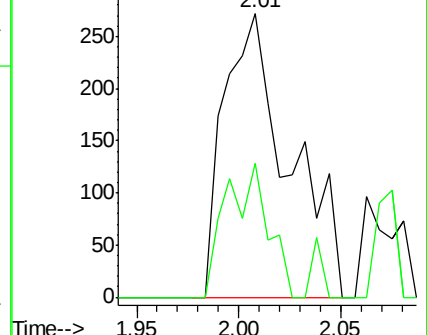
85 100

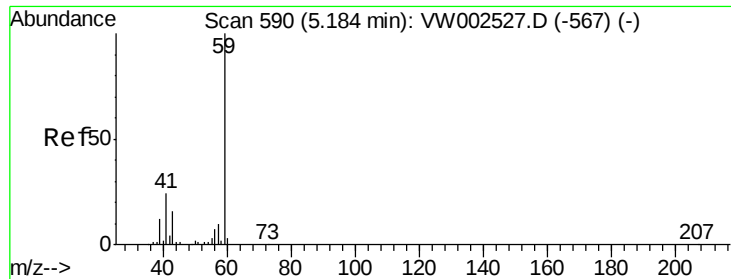
87 47.1 15.4 46.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

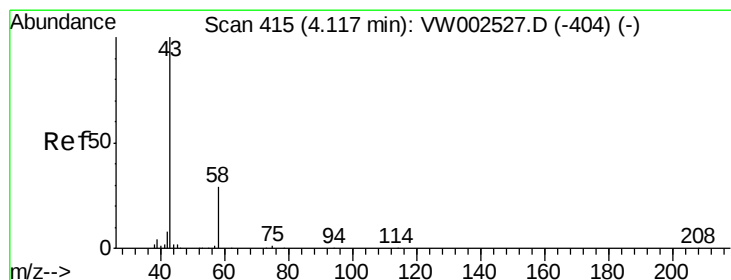
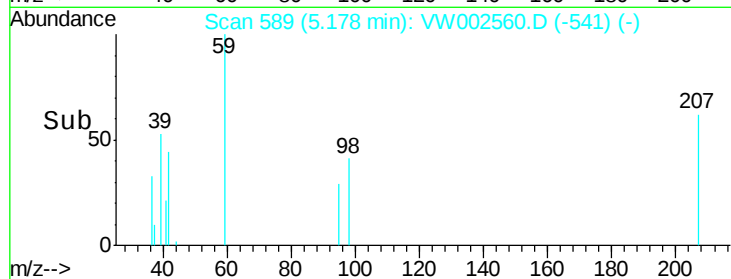
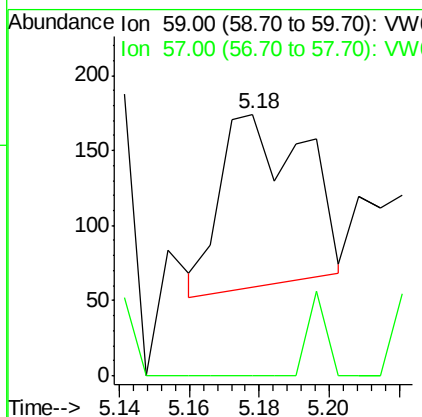
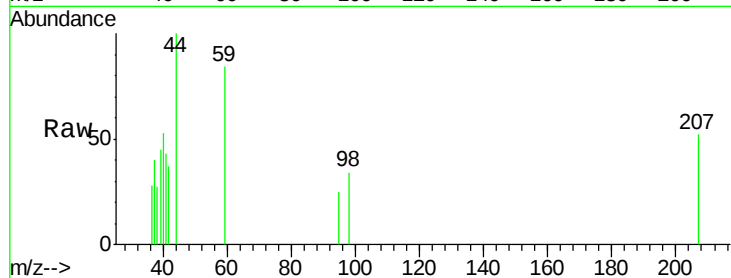




#11
Tert butyl alcohol
Concen: 1.69 ug/l
RT: 5.18 min Scan# 589
Delta R.T. -0.01 min
Lab File: VW002560.D
Acq: 15 May 2018 19:29

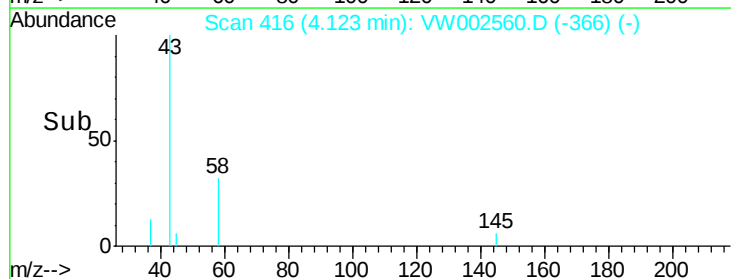
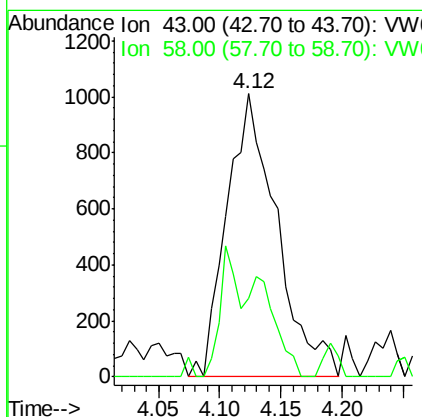
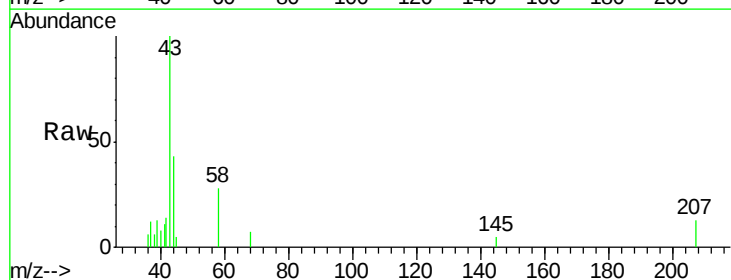
Instrument :
MSVOA_W
ClientSampled :
26KV-S1

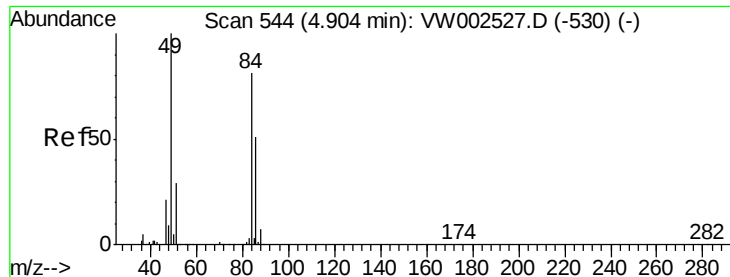
Tgt Ion: 59 Resp: 193
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.4



#16
Acetone
Concen: 9.17 ug/l
RT: 4.12 min Scan# 416
Delta R.T. 0.01 min
Lab File: VW002560.D
Acq: 15 May 2018 19:29

Tgt Ion: 43 Resp: 2872
Ion Ratio Lower Upper
43 100
58 20.8 23.4 35.0#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.89 min Scan# 542

Delta R.T. -0.01 min

Lab File: VW002560.D

Acq: 15 May 2018 19:29

Instrument :

MSVOA_W

ClientSampled :

26KV-S1

Tgt Ion: 84 Resp: 746

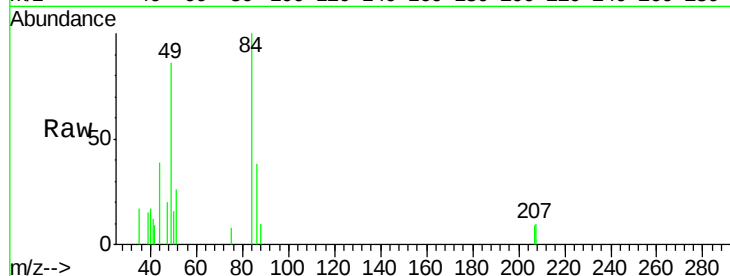
Ion Ratio Lower Upper

84 100

49 85.9 99.4 149.0#

51 26.1 29.0 43.6#

86 38.4 50.3 75.5#

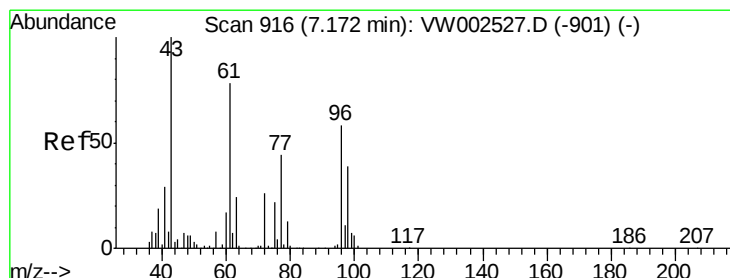
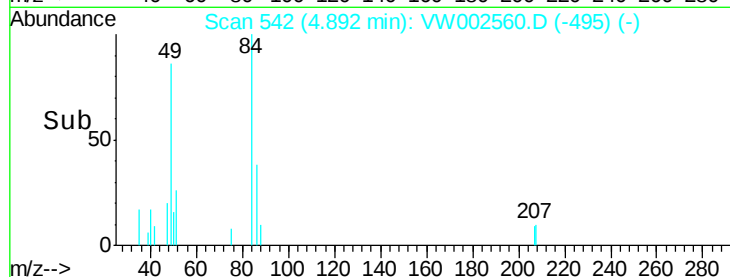
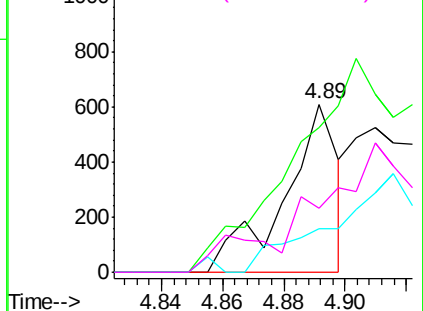


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 3.43 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW002560.D

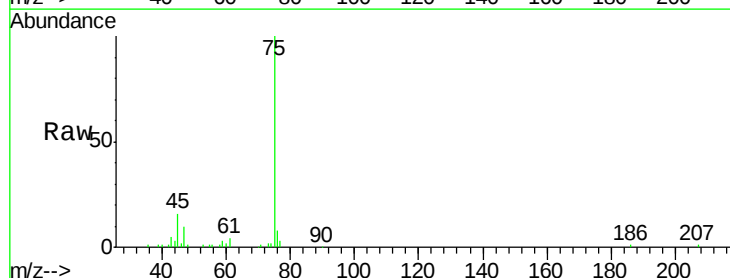
Acq: 15 May 2018 19:29

Tgt Ion: 43 Resp: 1520

Ion Ratio Lower Upper

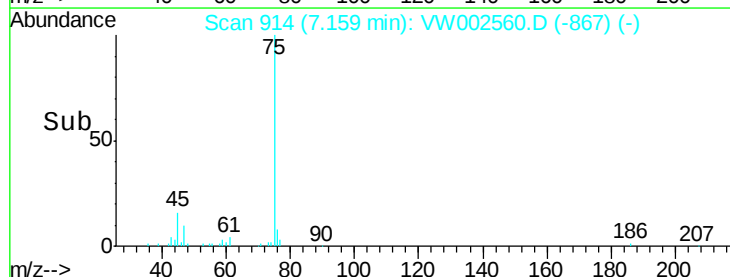
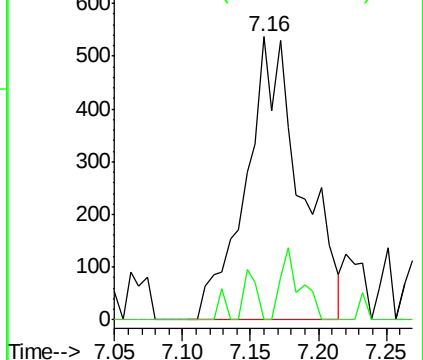
43 100

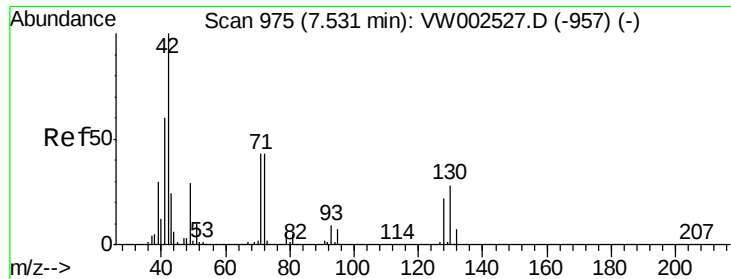
72 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

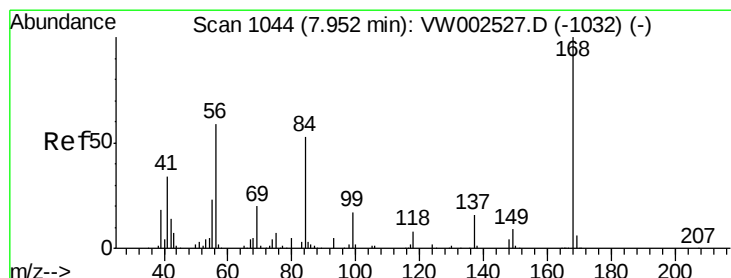
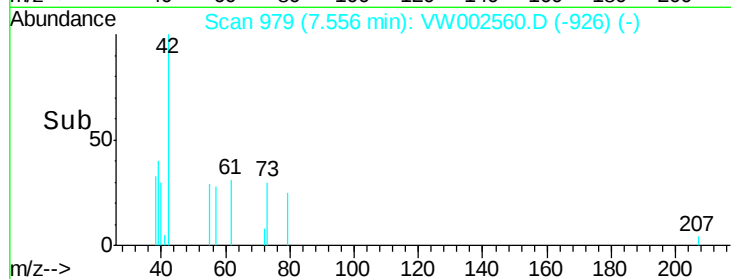
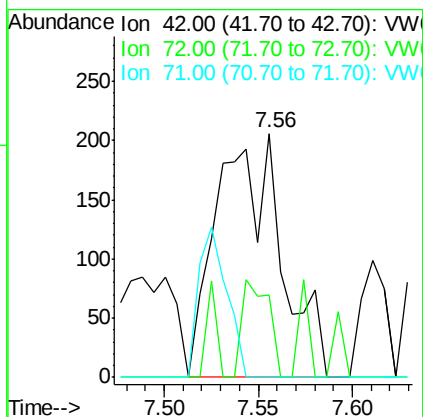
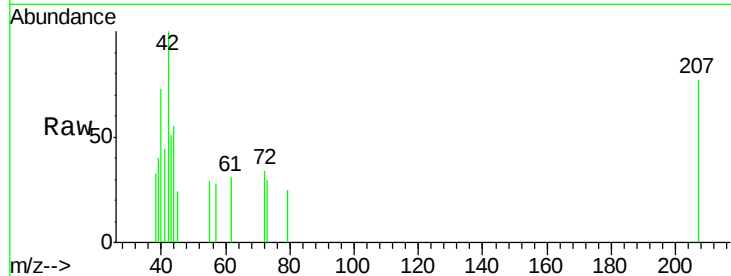




#29
Tetrahydrofuran
Concen: 1.77 ug/l
RT: 7.56 min Scan# 979
Delta R.T. 0.02 min
Lab File: VW002560.D
Acq: 15 May 2018 19:29

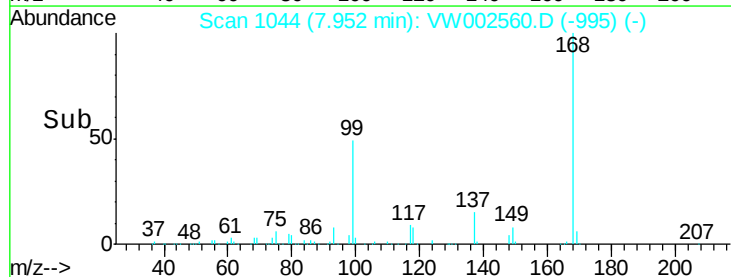
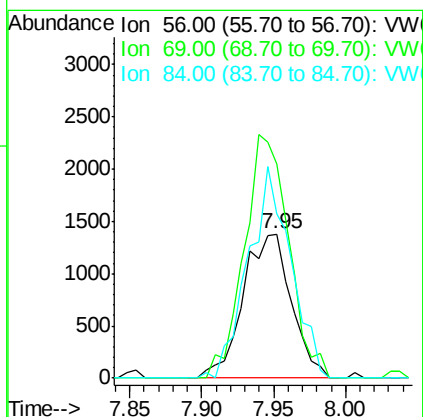
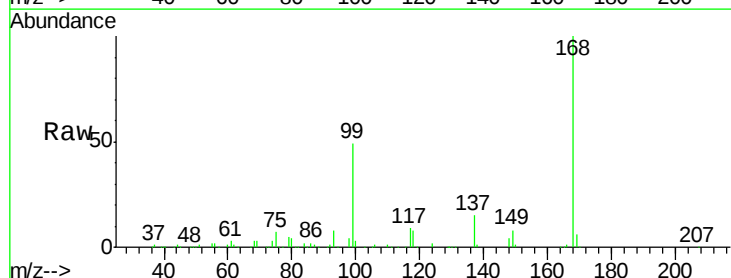
Instrument :
MSVOA_W
ClientSampled :
26KV-S1

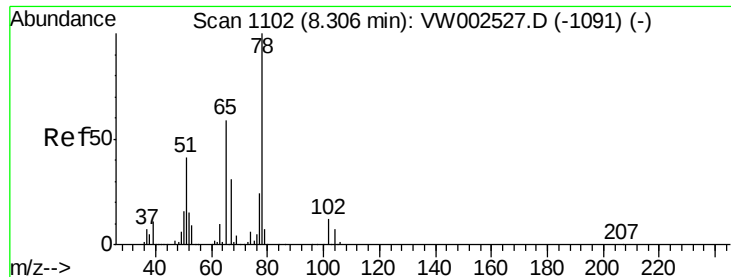
Tgt Ion: 42 Resp: 489
Ion Ratio Lower Upper
42 100
72 16.6 35.0 52.4#
71 0.0 33.0 49.6#



#31
Cyclohexane
Concen: 1.52 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW002560.D
Acq: 15 May 2018 19:29

Tgt Ion: 56 Resp: 3199
Ion Ratio Lower Upper
56 100
69 148.8 27.0 40.4#
84 114.2 72.2 108.2#

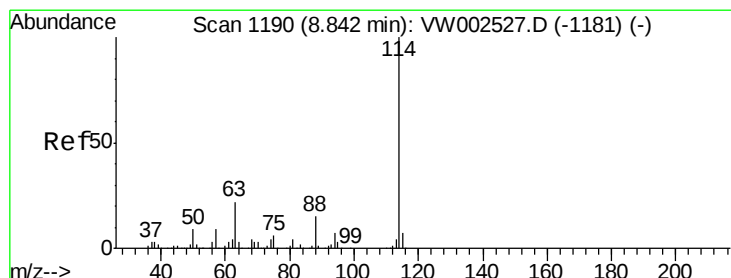
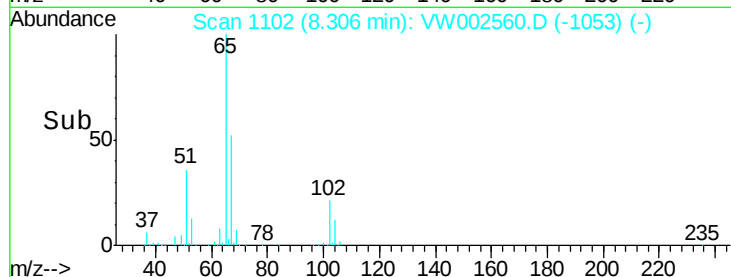
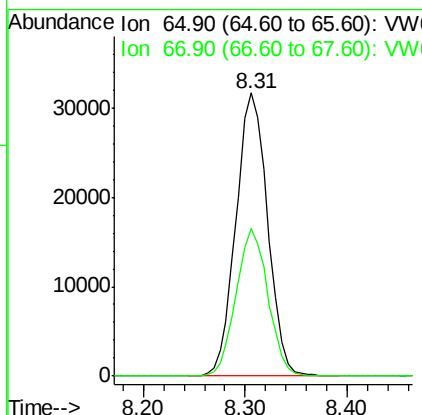
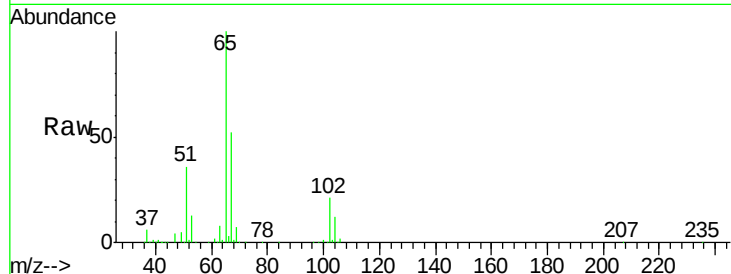




#33
 1,2-Dichloroethane-d4
 Concen: 45.95 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW002560.D
 Acq: 15 May 2018 19:29

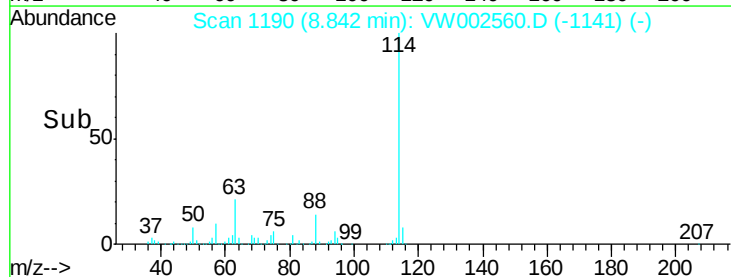
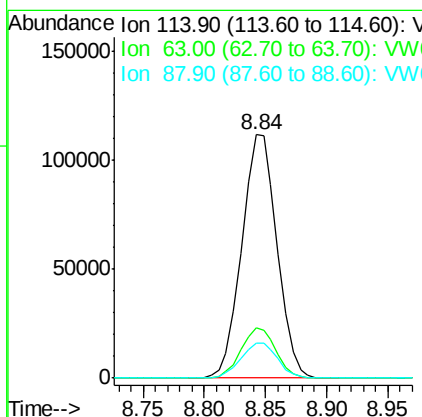
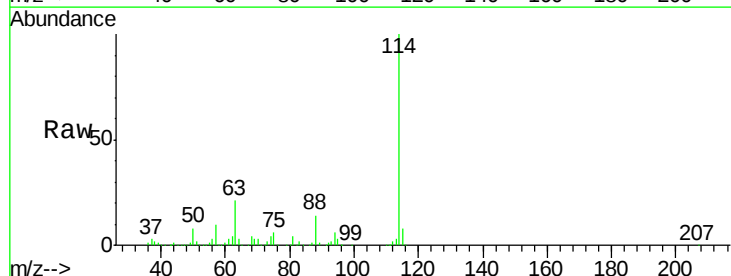
Instrument :
 MSVOA_W
 ClientSampleId :
 26KV-S1

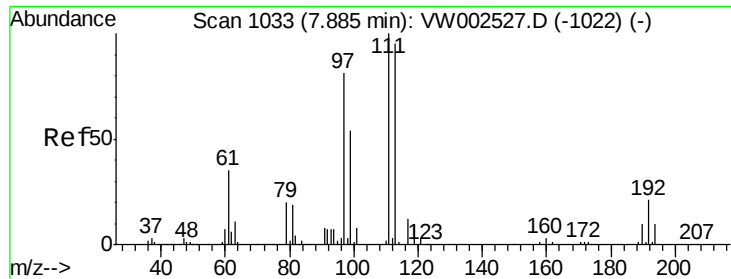
Tgt Ion: 65 Resp: 68145
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. 0.00 min
 Lab File: VW002560.D
 Acq: 15 May 2018 19:29

Tgt Ion: 114 Resp: 223215
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 43.2
 88 14.2 0.0 29.2

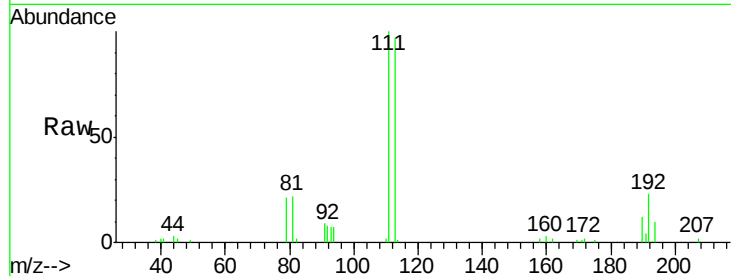




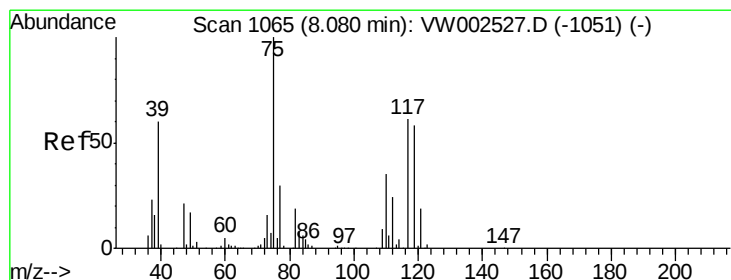
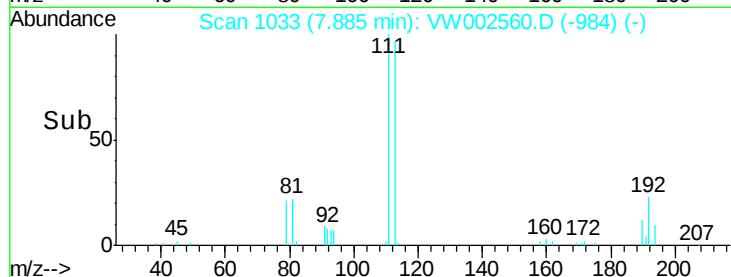
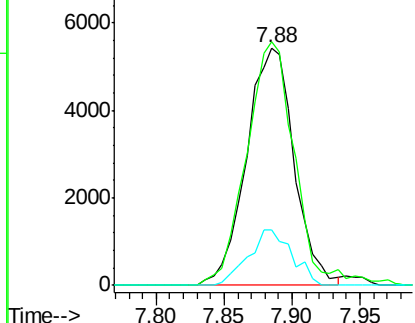
#35
Dibromofluoromethane
Concen: 9.38 ug/l
RT: 7.88 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VW002560.D
Acq: 15 May 2018 19:29

Instrument :
MSVOA_W
ClientSampleId :
26KV-S1

Tgt Ion: 113 Resp: 13282
Ion Ratio Lower Upper
113 100
111 104.4 81.8 122.8
192 21.5 17.5 26.3

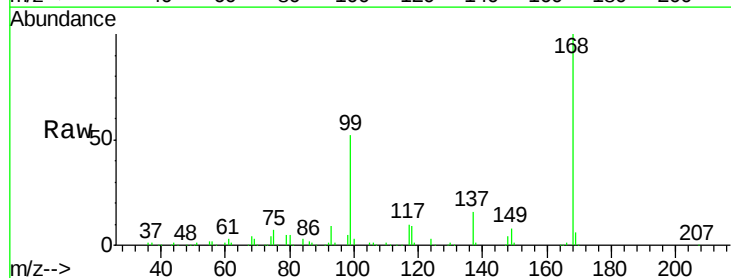


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

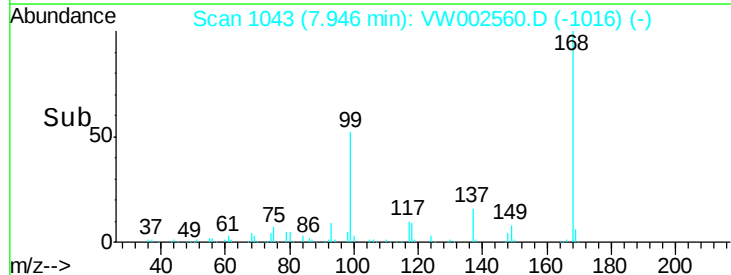
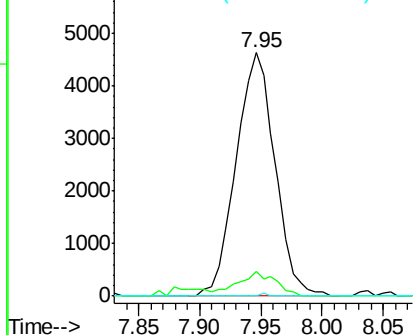


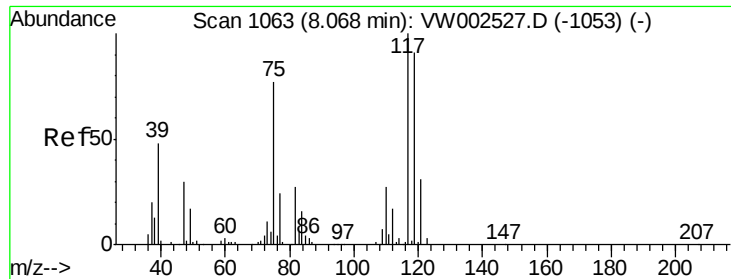
#36
1,1-Dichloropropene
Concen: 5.17 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.13 min
Lab File: VW002560.D
Acq: 15 May 2018 19:29

Tgt Ion: 75 Resp: 10190
Ion Ratio Lower Upper
75 100
110 9.8 17.8 53.5#
77 0.2 24.5 36.7#



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

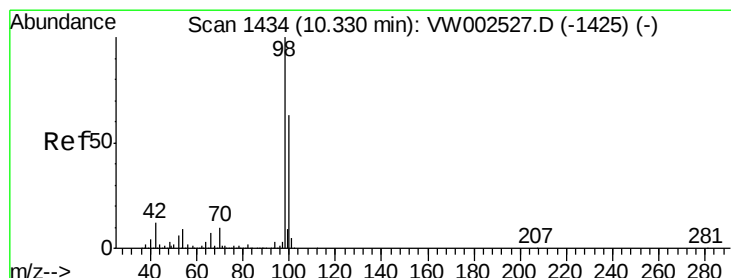
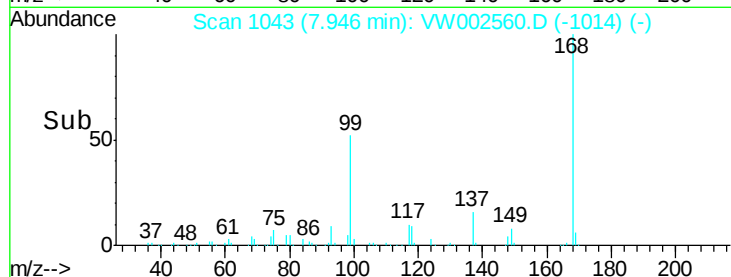
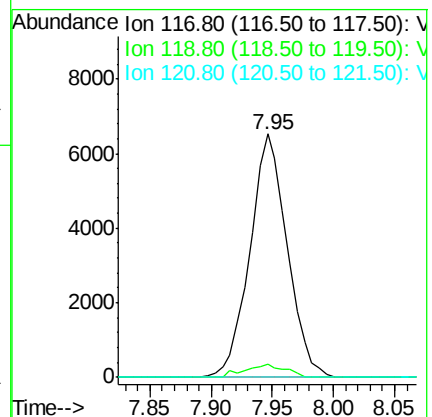
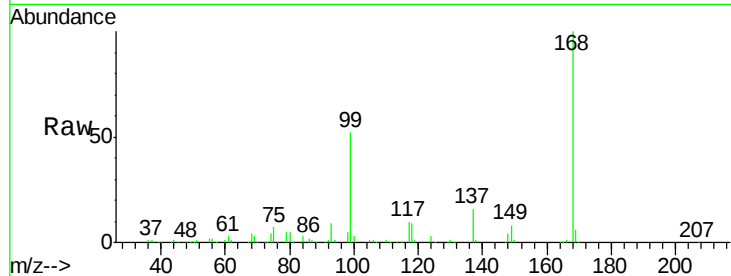




#38
Carbon Tetrachloride
Concen: 7.20 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.12 min
Lab File: VW002560.D
Acq: 15 May 2018 19:29

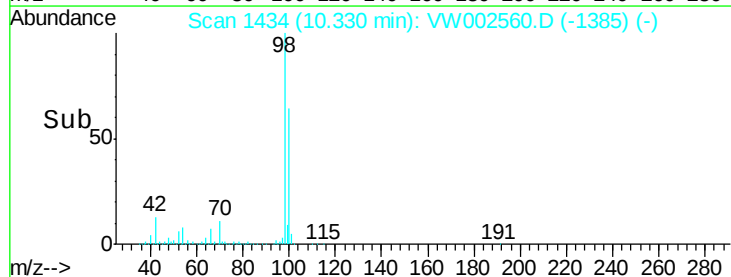
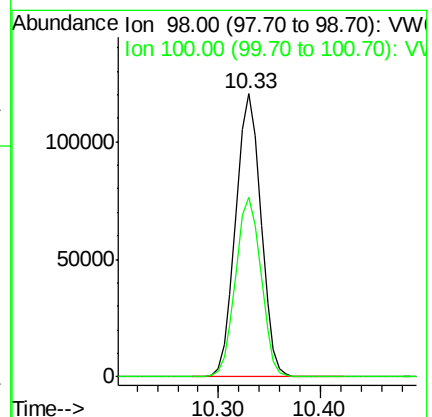
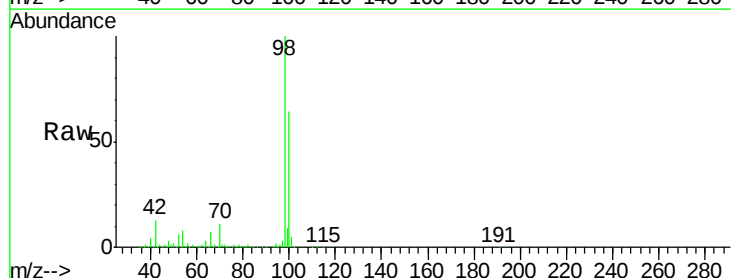
Instrument :
MSVOA_W
ClientSampled :
26KV-S1

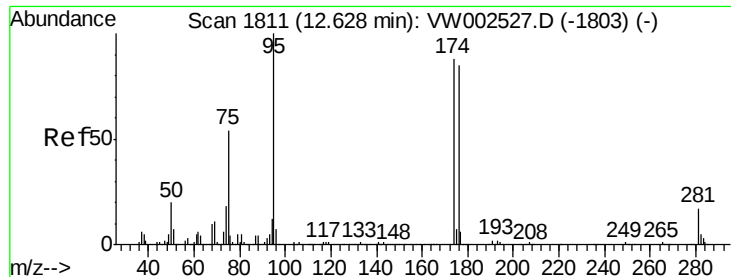
Tgt Ion: 117 Resp: 13878
Ion Ratio Lower Upper
117 100
119 5.3 73.1 109.7#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 38.34 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW002560.D
Acq: 15 May 2018 19:29

Tgt Ion: 98 Resp: 206564
Ion Ratio Lower Upper
98 100
100 63.6 51.0 76.4





#62

4-Bromofluorobenzene

Concen: 40.51 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW002560.D

Acq: 15 May 2018 19:29

Instrument :

MSVOA_W

ClientSampleId :

26KV-S1

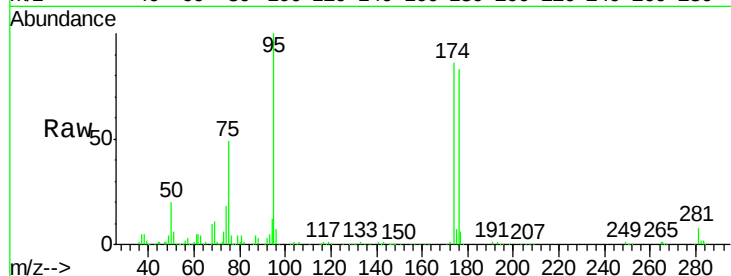
Tgt Ion: 95 Resp: 79812

Ion Ratio Lower Upper

95 100

174 90.4 0.0 176.6

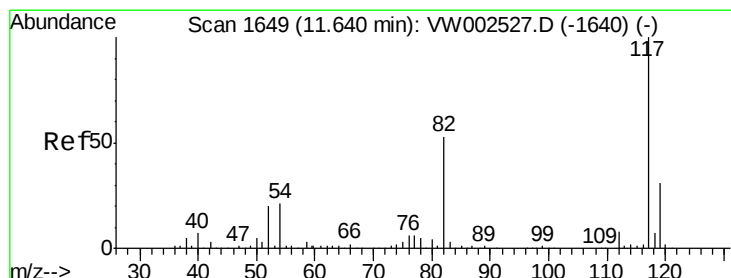
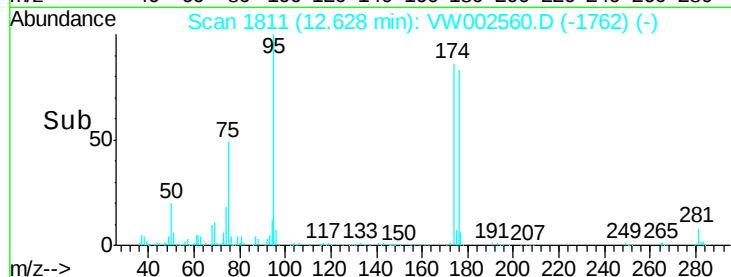
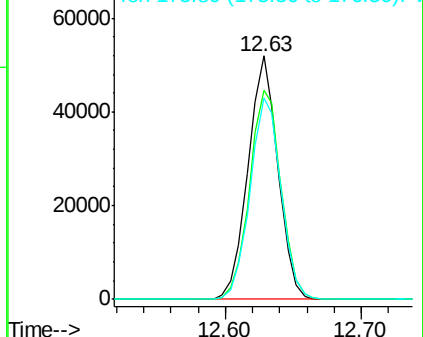
176 85.7 0.0 172.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.64 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VW002560.D

Acq: 15 May 2018 19:29

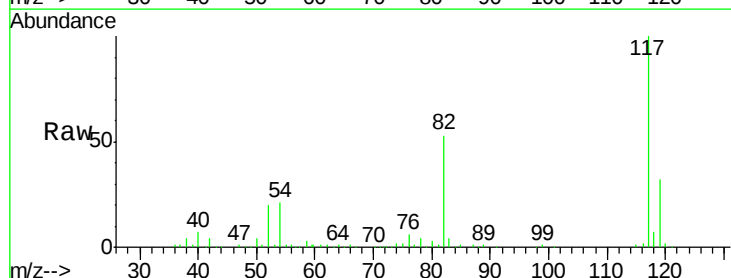
Tgt Ion: 117 Resp: 206927

Ion Ratio Lower Upper

117 100

82 53.1 42.6 64.0

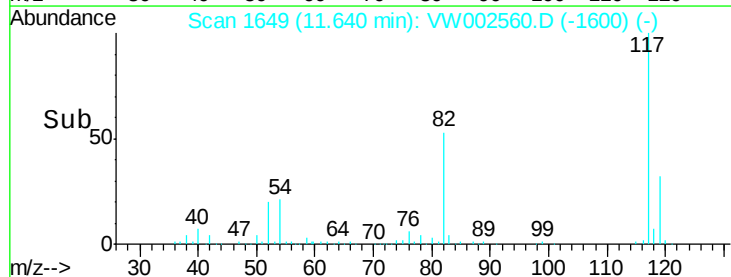
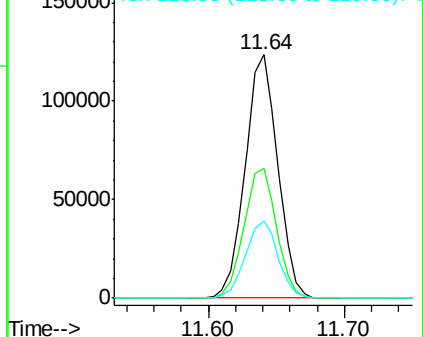
119 31.9 25.0 37.6

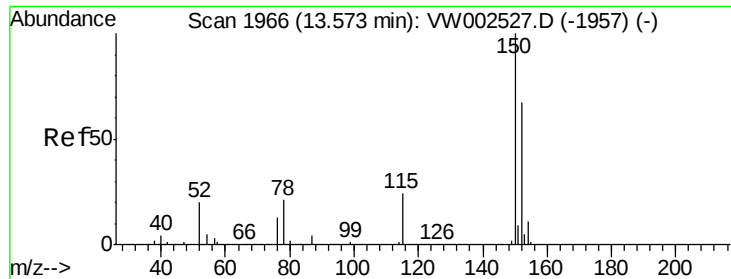


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VW002560.D

Acq: 15 May 2018 19:29

Instrument :

MSVOA_W

ClientSampleId :

26KV-S1

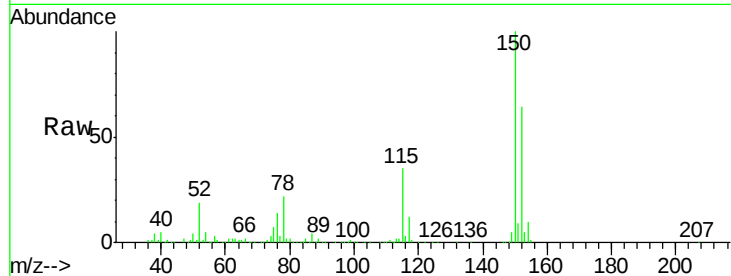
Tgt Ion:152 Resp: 108578

Ion Ratio Lower Upper

152 100

115 56.2 28.0 84.0

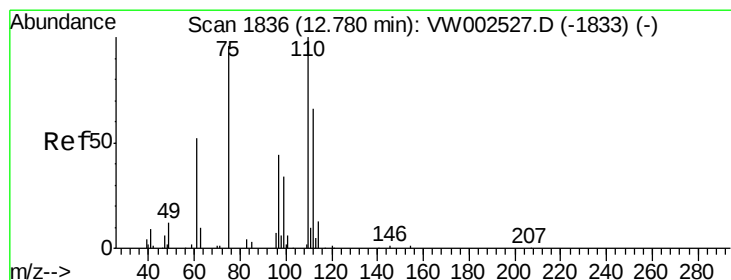
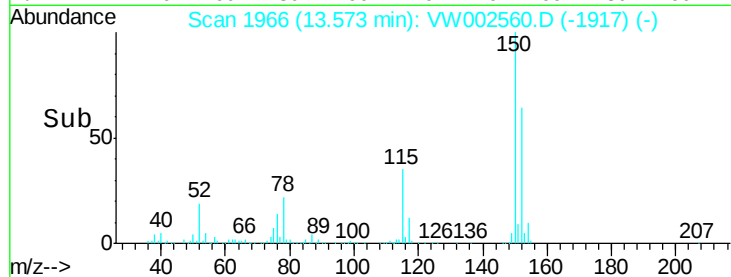
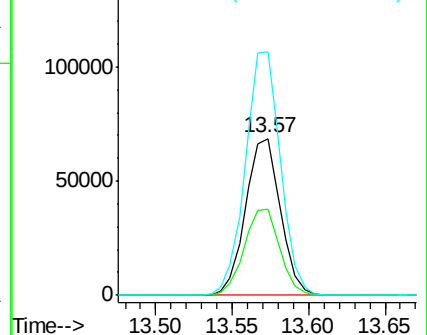
150 156.6 0.0 345.4



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: 39.50 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW002560.D

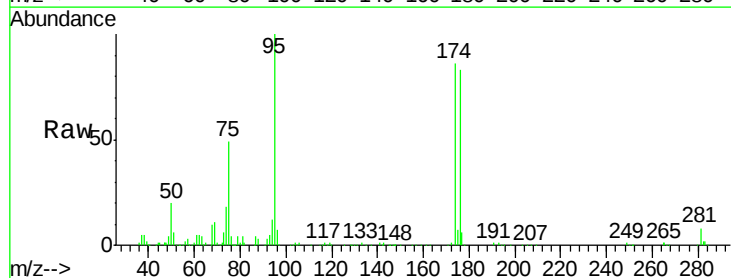
Acq: 15 May 2018 19:29

Tgt Ion: 75 Resp: 40545

Ion Ratio Lower Upper

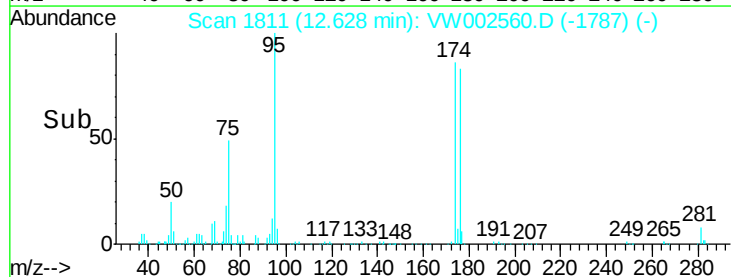
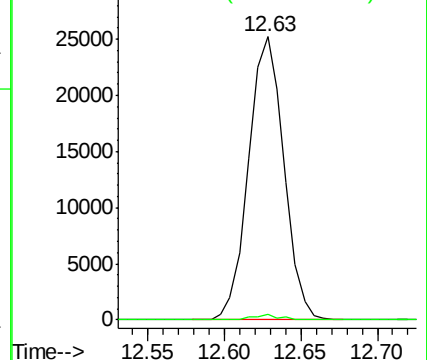
75 100

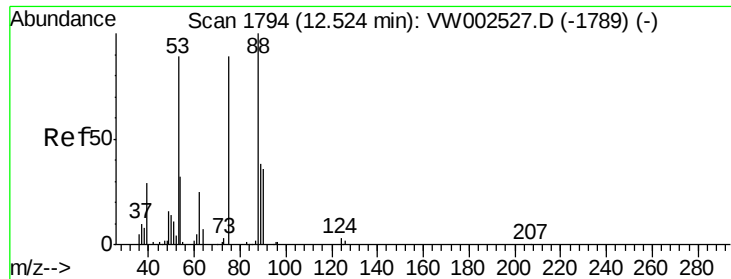
77 1.6 0.0 0.0#



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: 107.71 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW002560.D

Acq: 15 May 2018 19:29

Instrument :

MSVOA_W

ClientSampleId :

26KV-S1

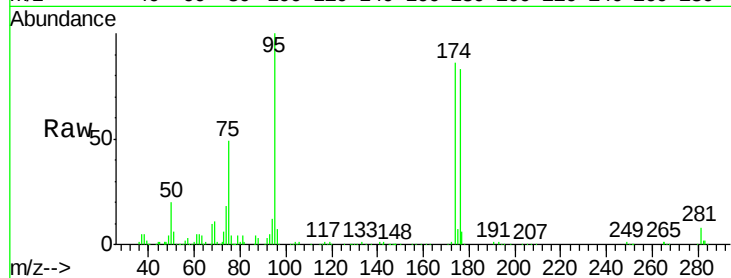
Tgt Ion: 75 Resp: 40545

Ion Ratio Lower Upper

75 100

53 0.1 82.6 124.0#

89 0.1 39.2 58.8#



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

