

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW051518\
 Data File : VW002573.D
 Acq On : 16 May 2018 02:38
 Operator : JC/SY
 Sample : J2898-07
 Misc : 4.37G/10ML/MSVOA_W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SP-07

Quant Time: May 16 05:53:22 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	126472	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	194531	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	156654	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	61650	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	60481	46.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.56%	
35) Dibromofluoromethane	7.88	113	380	0.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	0.62%	
50) Toluene-d8	10.33	98	171064	36.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.86%	
62) 4-Bromofluorobenzene	12.63	95	54698	31.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	63.72%	

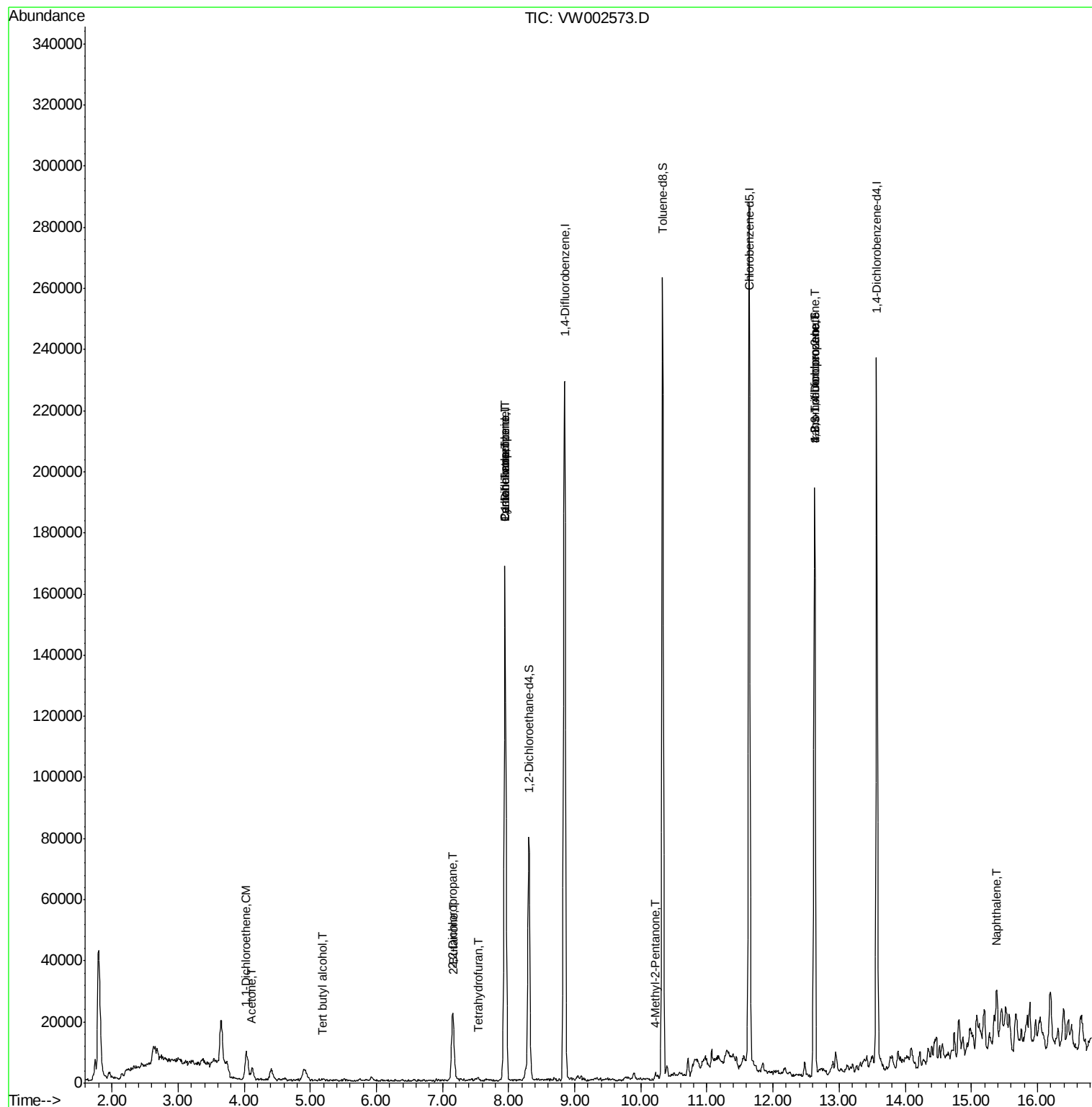
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	469	4.67	ug/l #	85
12) 1,1-Dichloroethene	4.03	96	6177	5.84	ug/l	91
16) Acetone	4.12	43	5921	21.46	ug/l #	86
25) 2-Butanone	7.17	43	2191	5.62	ug/l	97
26) 2,2-Dichloropropane	7.15	77	1661	1.41	ug/l #	51
29) Tetrahydrofuran	7.54	42	429	1.76	ug/l #	47
31) Cyclohexane	7.95	56	2919	1.57	ug/l #	34
36) 1,1-Dichloropropene	7.95	75	9547	5.56	ug/l #	51
38) Carbon Tetrachloride	7.95	117	12129	7.22	ug/l #	20
51) 4-Methyl-2-Pentanone	10.22	43	1675	1.86	ug/l #	87
76) 1,2,3-Trichloropropane	12.63	75	28006	48.06	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	28006	131.03	ug/l #	8
95) Naphthalene	15.38	128	15583	6.62	ug/l #	95

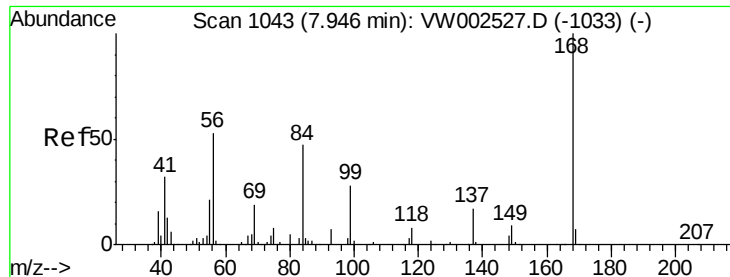
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VW002573.D

Acq: 16 May 2018 02:38

Instrument :

MSVOA_W

ClientSampled :

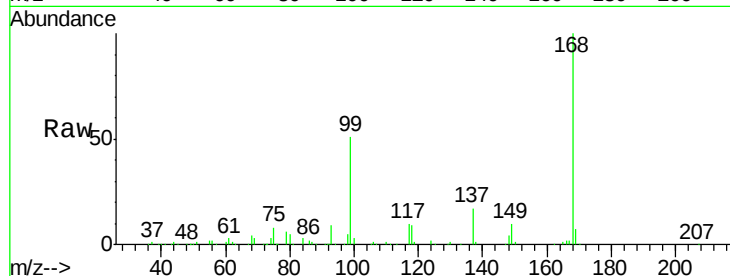
SP-07

Tgt Ion: 168 Resp: 126472

Ion Ratio Lower Upper

168 100

99 51.2 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

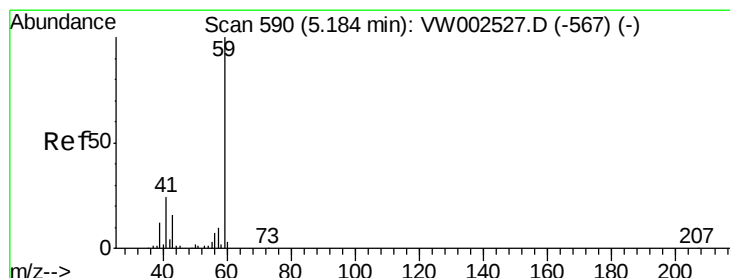
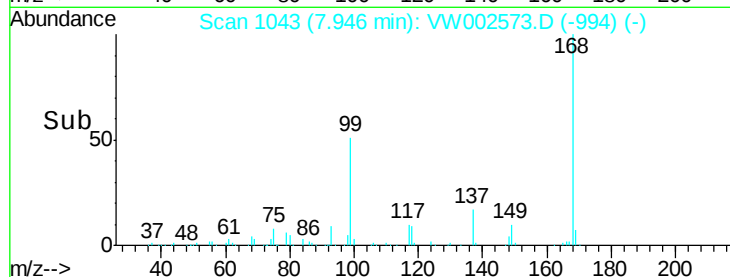
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.67 ug/l

RT: 5.18 min Scan# 590

Delta R.T. -0.00 min

Lab File: VW002573.D

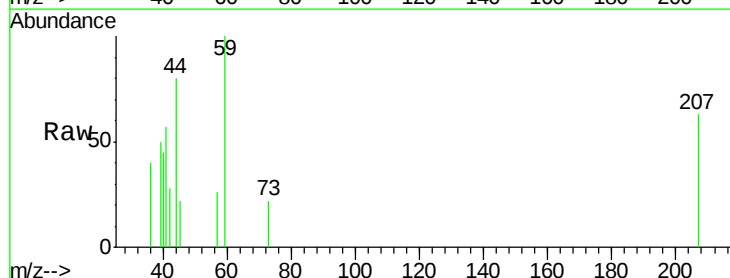
Acq: 16 May 2018 02:38

Tgt Ion: 59 Resp: 469

Ion Ratio Lower Upper

59 100

57 15.8 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

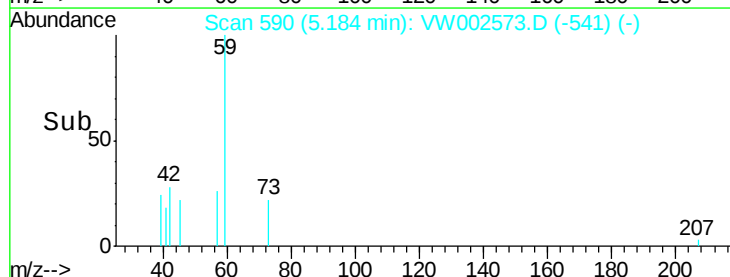
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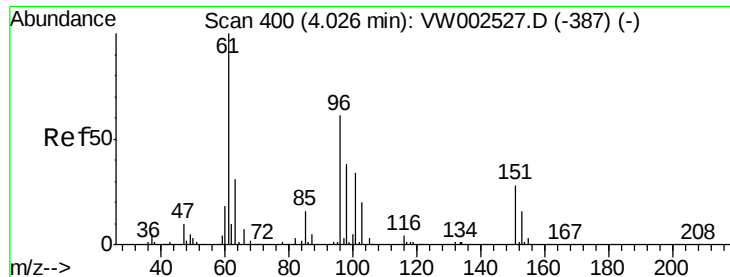
200

100

0

Time-->





#12

1,1-Dichloroethene

Concen: 5.84 ug/l

RT: 4.03 min Scan# 401

Delta R.T. 0.01 min

Lab File: VW002573.D

Acq: 16 May 2018 02:38

Instrument :

MSVOA_W

ClientSampleId :

SP-07

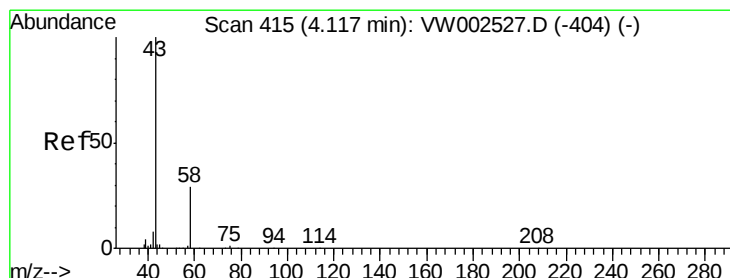
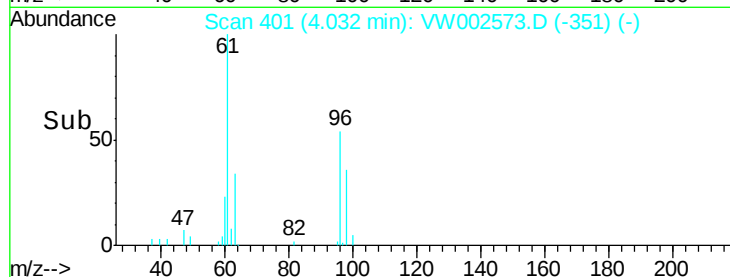
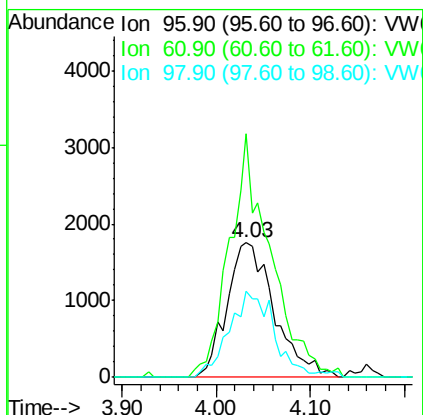
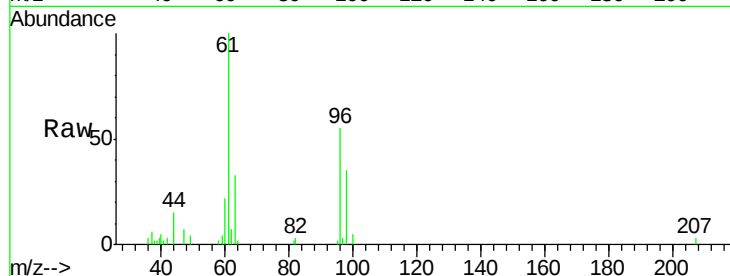
Tgt Ion: 96 Resp: 6177

Ion Ratio Lower Upper

96 100

61 180.9 132.2 198.2

98 64.0 50.6 76.0



#16

Acetone

Concen: 21.46 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.00 min

Lab File: VW002573.D

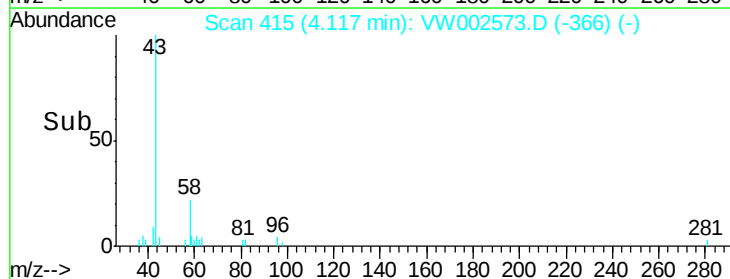
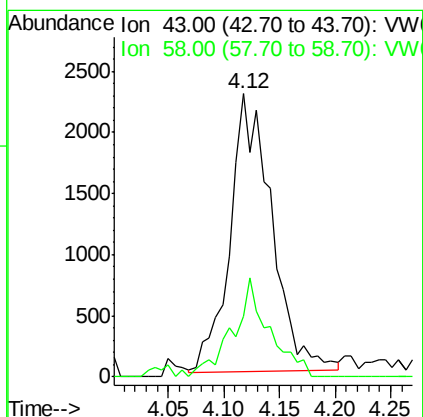
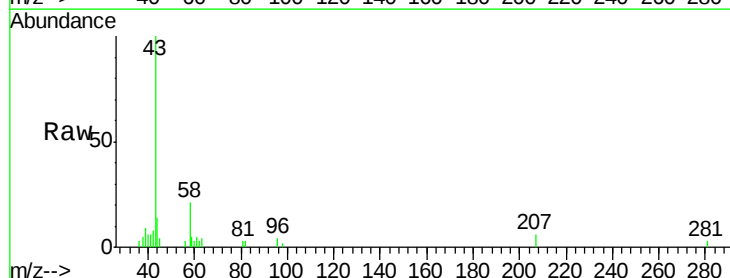
Acq: 16 May 2018 02:38

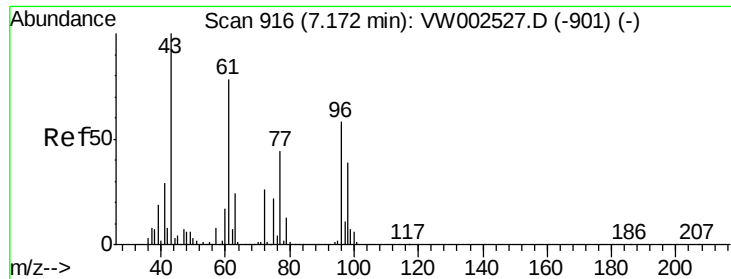
Tgt Ion: 43 Resp: 5921

Ion Ratio Lower Upper

43 100

58 21.8 23.4 35.0#

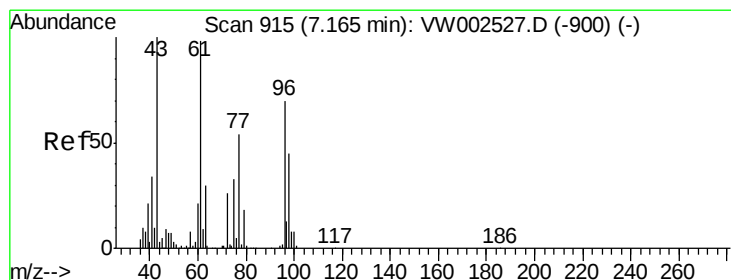
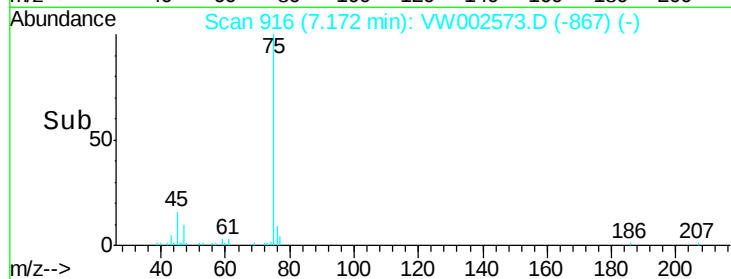
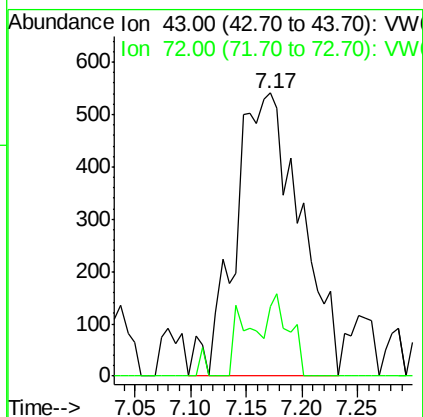
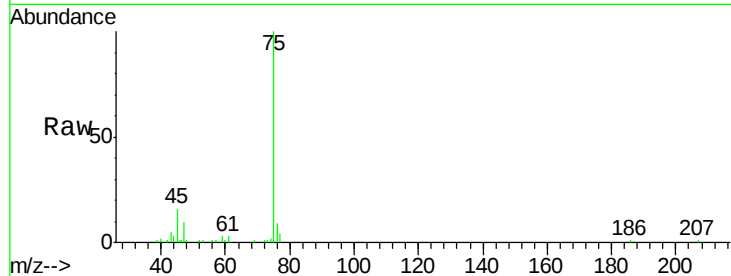




#25
 2-Butanone
 Concen: 5.62 ug/l
 RT: 7.17 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: VW002573.D
 Acq: 16 May 2018 02:38

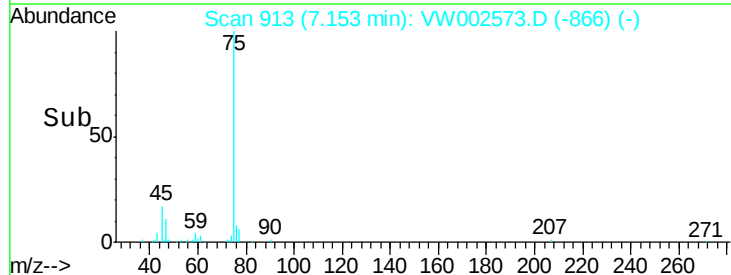
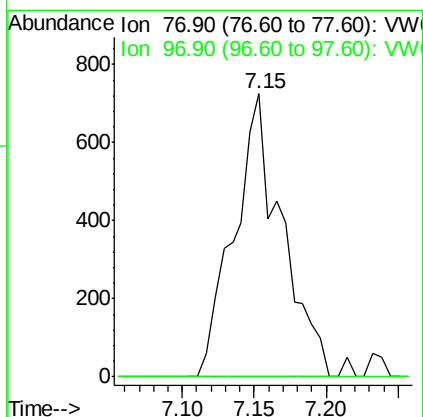
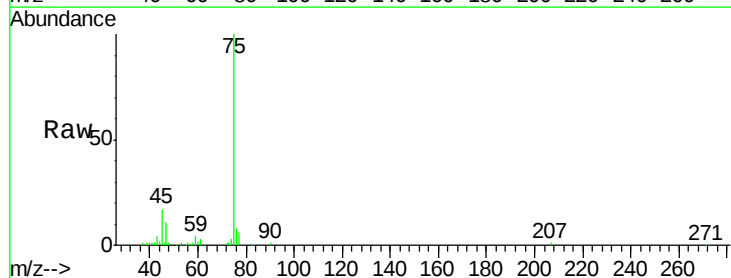
Instrument :
 MSVOA_W
 ClientSampled :
 SP-07

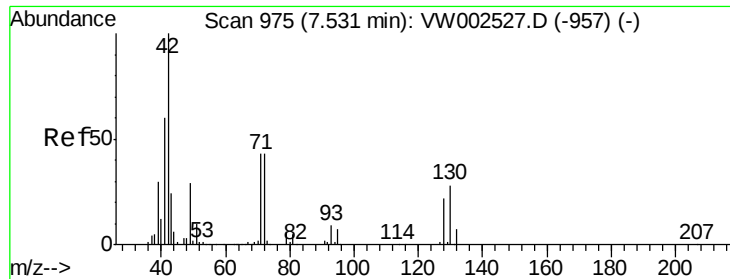
Tgt Ion: 43 Resp: 2191
 Ion Ratio Lower Upper
 43 100
 72 24.4 20.9 31.3



#26
 2,2-Dichloropropane
 Concen: 1.41 ug/l
 RT: 7.15 min Scan# 913
 Delta R.T. -0.01 min
 Lab File: VW002573.D
 Acq: 16 May 2018 02:38

Tgt Ion: 77 Resp: 1661
 Ion Ratio Lower Upper
 77 100
 97 0.0 12.1 36.3#





#29

Tetrahydrofuran

Concen: 1.76 ug/l

RT: 7.54 min Scan# 977

Delta R.T. 0.01 min

Lab File: VW002573.D

Acq: 16 May 2018 02:38

Instrument :

MSVOA_W

ClientSampled :

SP-07

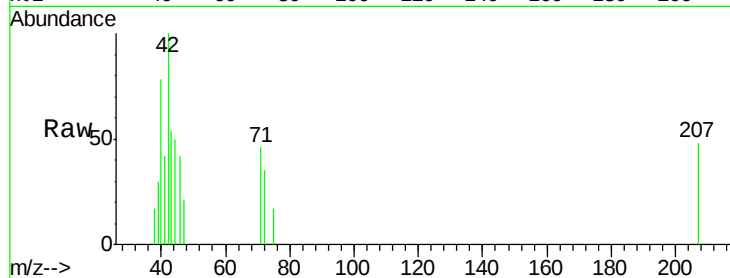
Tgt Ion: 42 Resp: 429

Ion Ratio Lower Upper

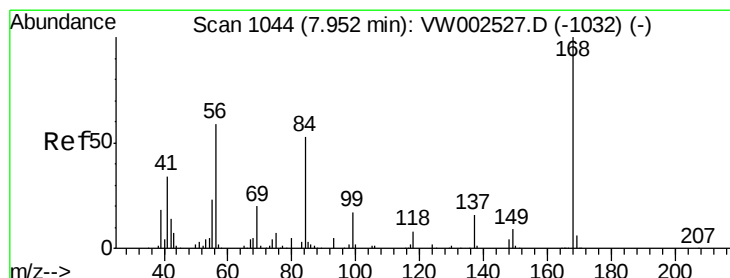
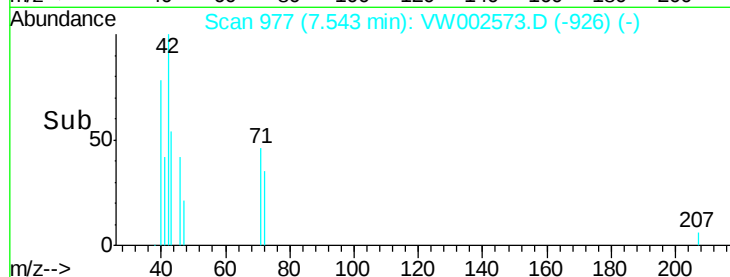
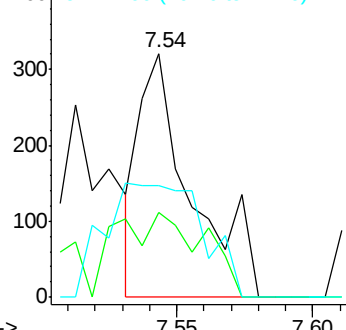
42 100

72 22.6 35.0 52.4#

71 87.6 33.0 49.6#



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



#31

Cyclohexane

Concen: 1.57 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW002573.D

Acq: 16 May 2018 02:38

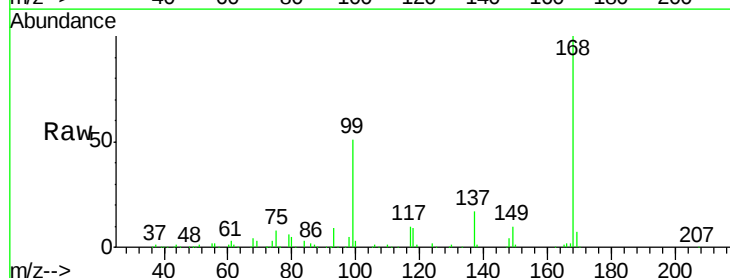
Tgt Ion: 56 Resp: 2919

Ion Ratio Lower Upper

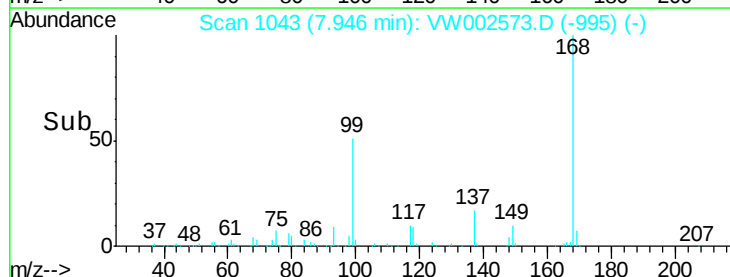
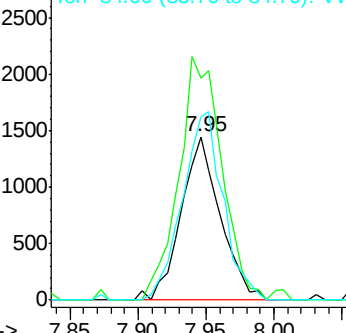
56 100

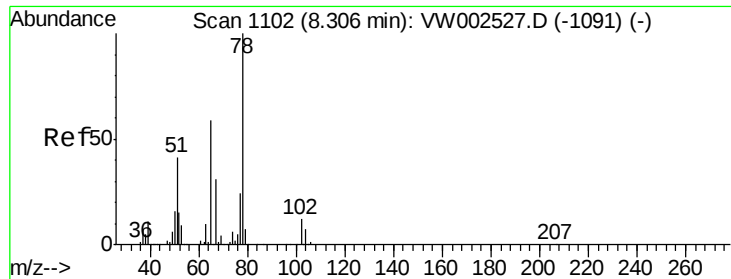
69 136.1 27.0 40.4#

84 112.3 72.2 108.2#



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

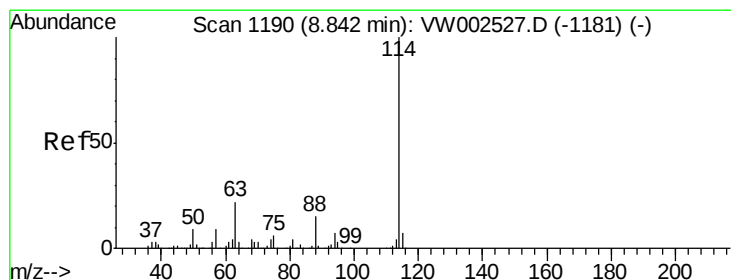
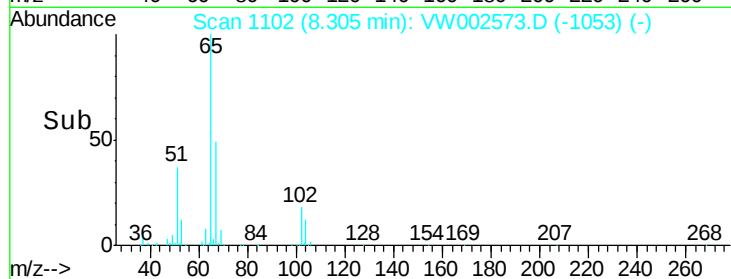
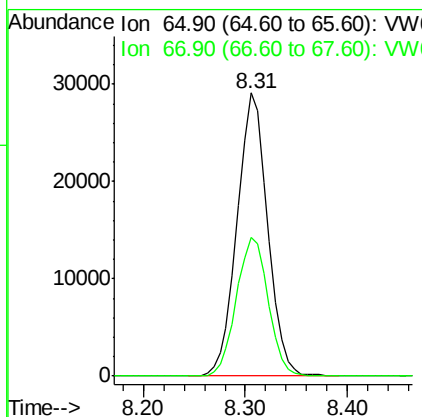
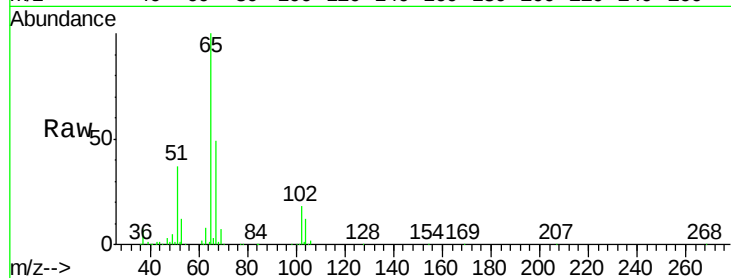




#33
 1,2-Dichloroethane-d4
 Concen: 46.28 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW002573.D
 Acq: 16 May 2018 02:38

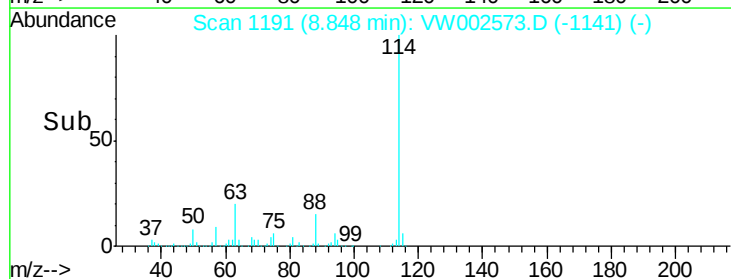
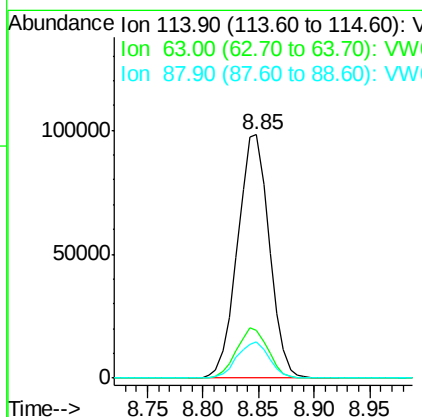
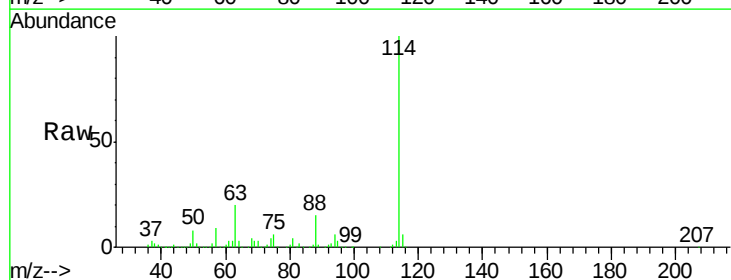
Instrument :
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 SP-07

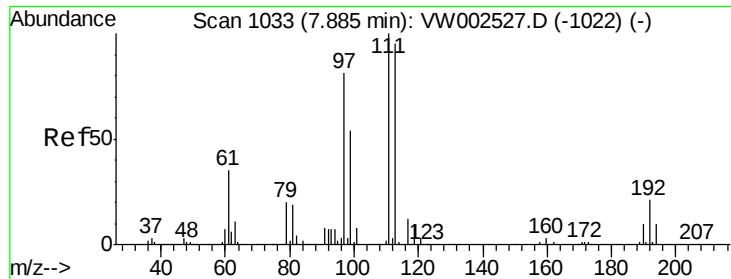
Tgt Ion: 65 Resp: 60481
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: VW002573.D
 Acq: 16 May 2018 02:38

Tgt Ion: 114 Resp: 194531
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 43.2
 88 14.7 0.0 29.2

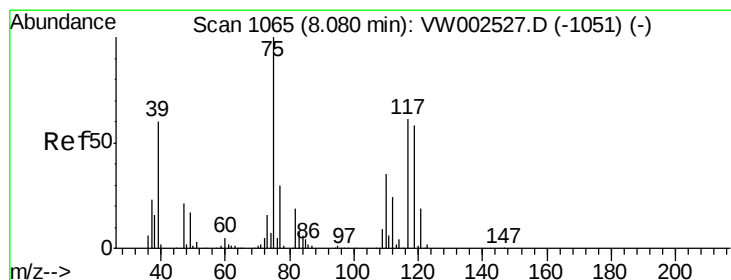
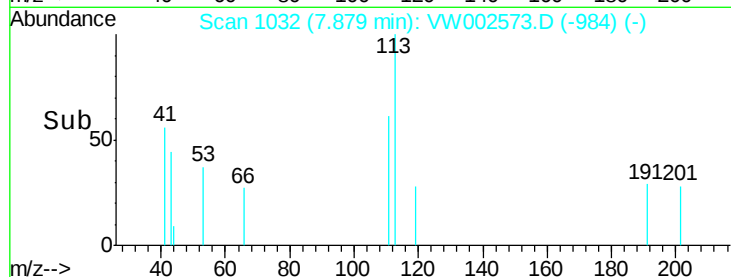
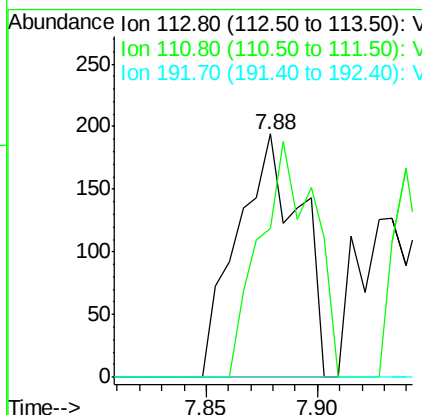
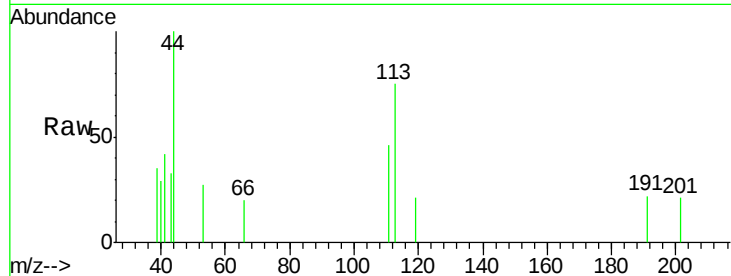




#35
 Dibromofluoromethane
 Concen: 0.31 ug/l
 RT: 7.88 min Scan# 1032
 Delta R.T. -0.01 min
 Lab File: VW002573.D
 Acq: 16 May 2018 02:38

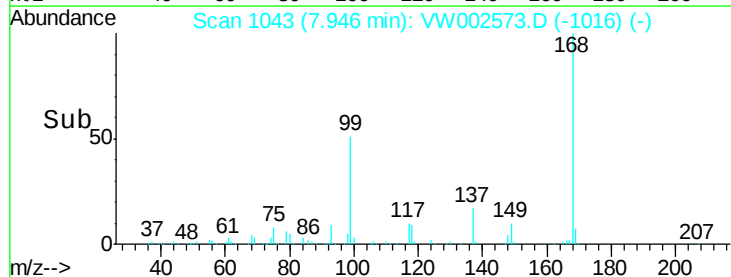
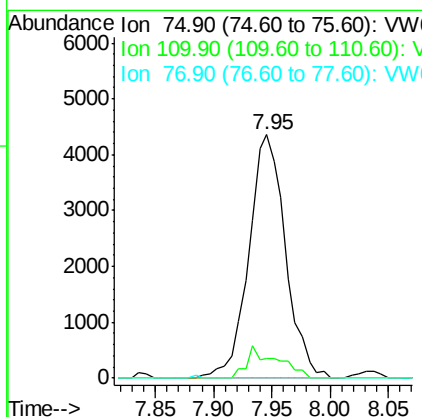
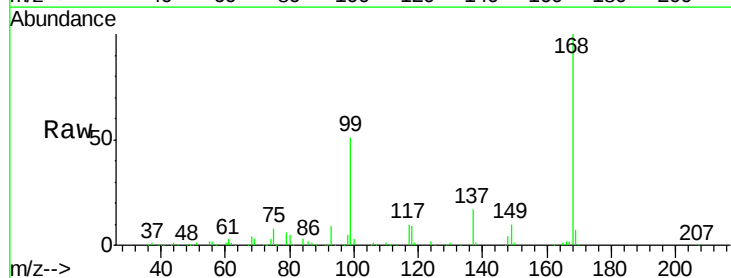
Instrument :
 MSVOA_W
 ClientSampled :
 SP-07

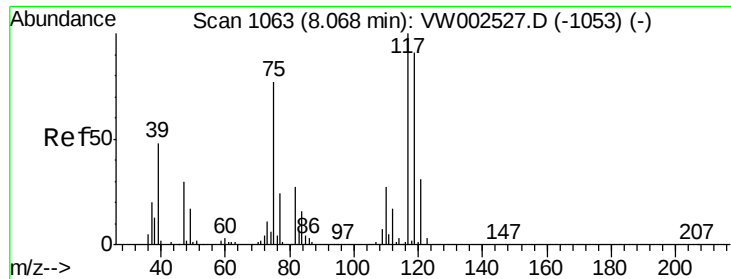
Tgt Ion: 113 Resp: 380
 Ion Ratio Lower Upper
 113 100
 111 84.2 81.8 122.8
 192 0.0 17.5 26.3#



#36
 1,1-Dichloropropene
 Concen: 5.56 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW002573.D
 Acq: 16 May 2018 02:38

Tgt Ion: 75 Resp: 9547
 Ion Ratio Lower Upper
 75 100
 110 11.0 17.8 53.5#
 77 0.0 24.5 36.7#

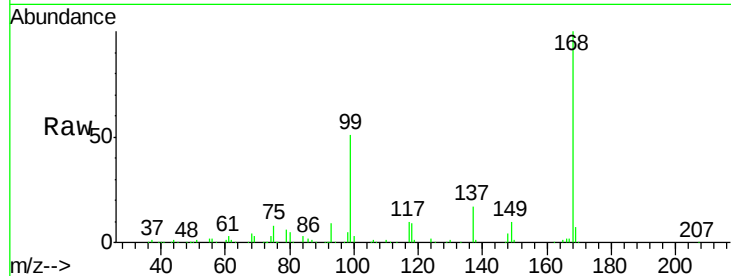




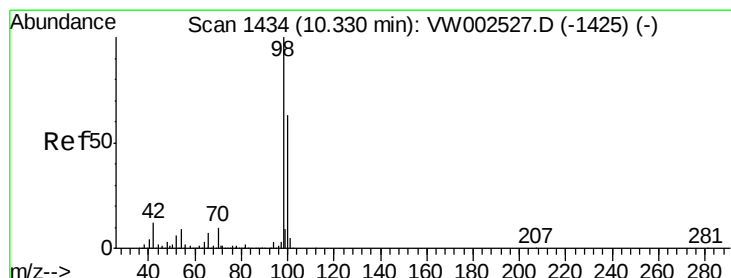
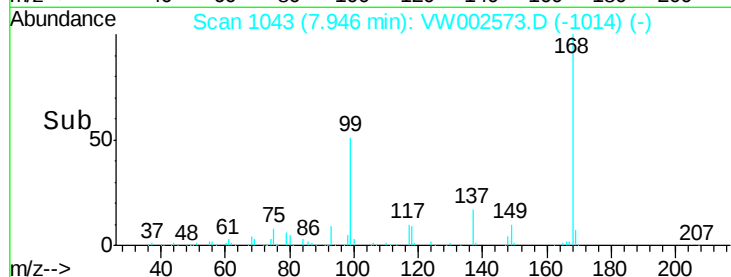
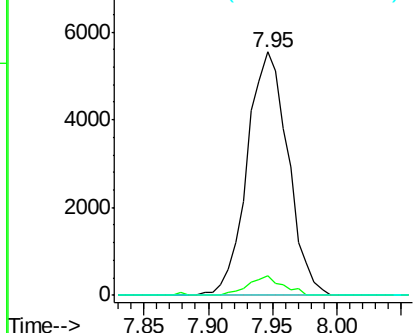
#38
Carbon Tetrachloride
Concen: 7.22 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.12 min
Lab File: VW002573.D
Acq: 16 May 2018 02:38

Instrument :
MSVOA_W
ClientSampled :
SP-07

Tgt Ion:117 Resp: 12129
Ion Ratio Lower Upper
117 100
119 7.9 73.1 109.7#
121 0.0 24.4 36.6#

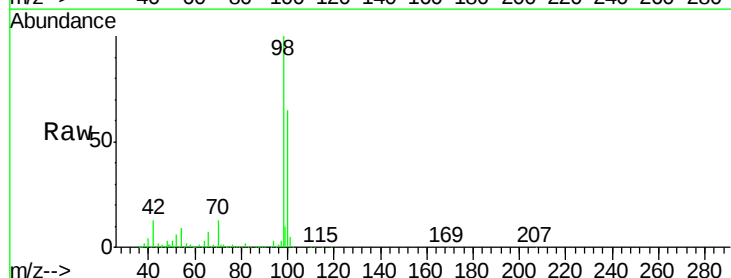


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

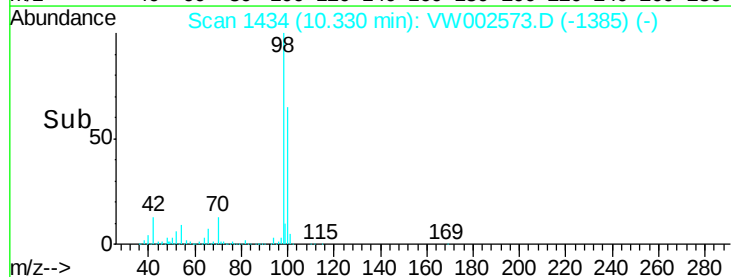
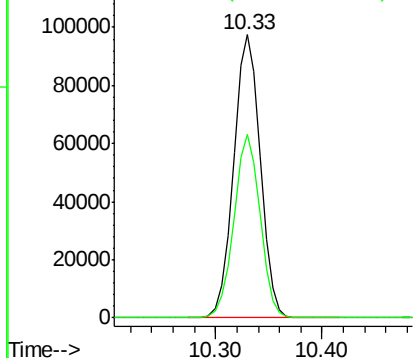


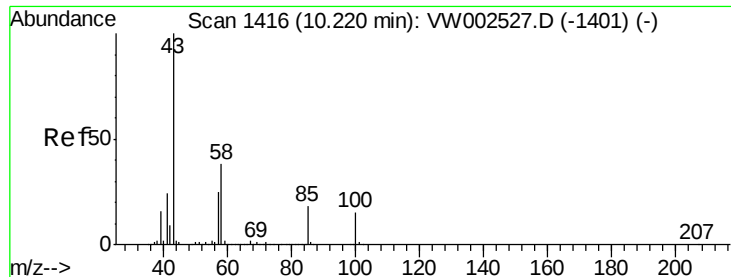
#50
Toluene-d8
Concen: 36.43 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW002573.D
Acq: 16 May 2018 02:38

Tgt Ion: 98 Resp: 171064
Ion Ratio Lower Upper
98 100
100 63.5 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

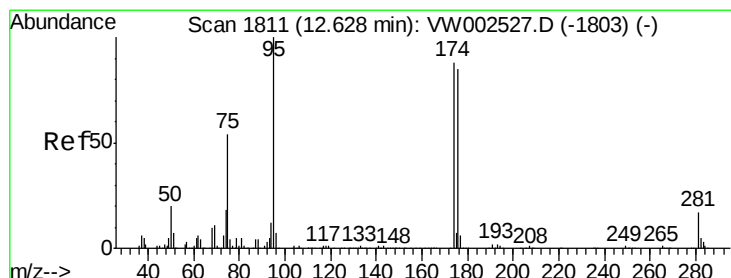
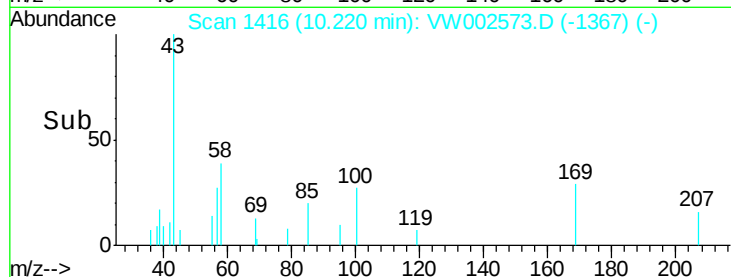
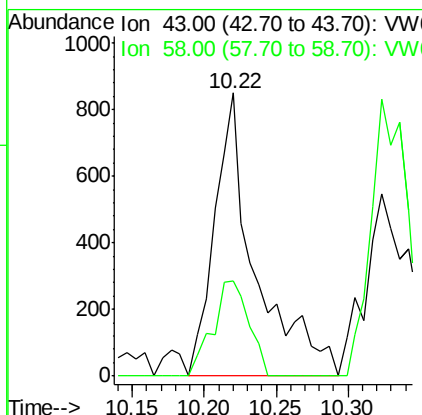
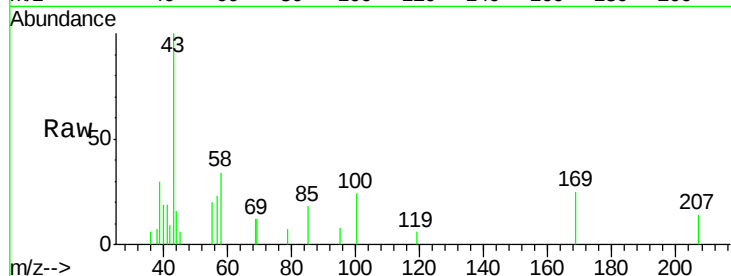




#51
 4-Methyl-2-Pentanone
 Concen: 1.86 ug/l
 RT: 10.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VW002573.D
 Acq: 16 May 2018 02:38

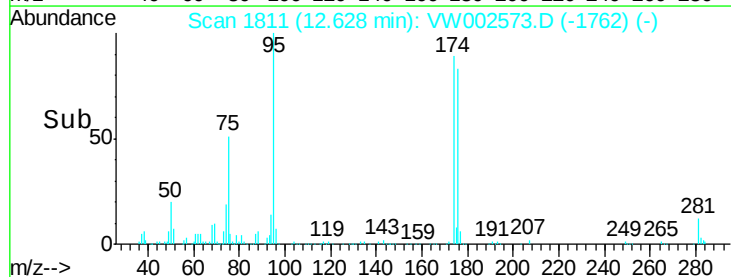
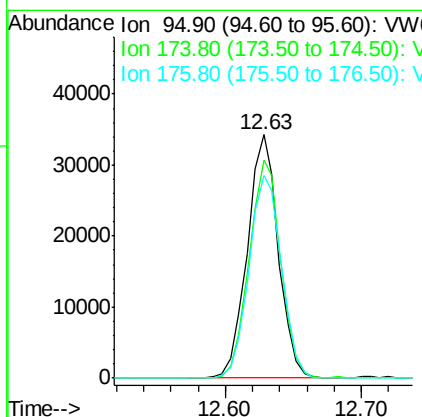
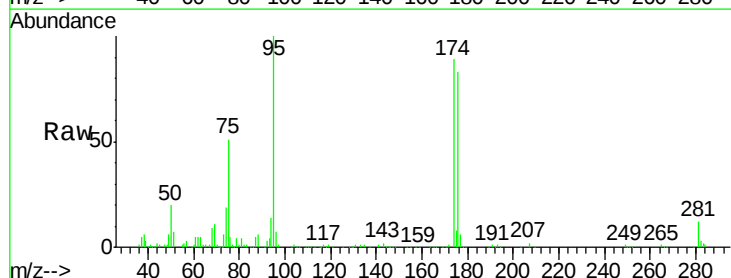
Instrument :
 MSVOA_W
 ClientSampled :
 SP-07

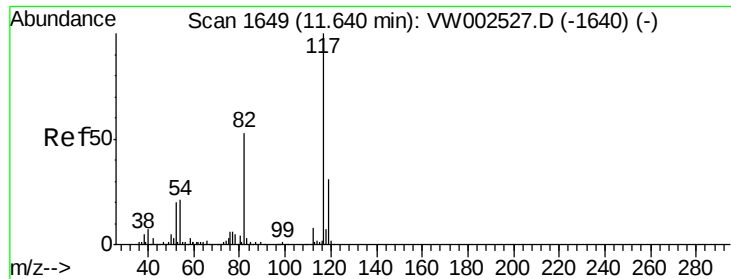
Tgt Ion: 43 Resp: 1675
 Ion Ratio Lower Upper
 43 100
 58 29.9 30.1 45.1#



#62
 4-Bromofluorobenzene
 Concen: 31.86 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW002573.D
 Acq: 16 May 2018 02:38

Tgt Ion: 95 Resp: 54698
 Ion Ratio Lower Upper
 95 100
 174 91.4 0.0 176.6
 176 87.0 0.0 172.2

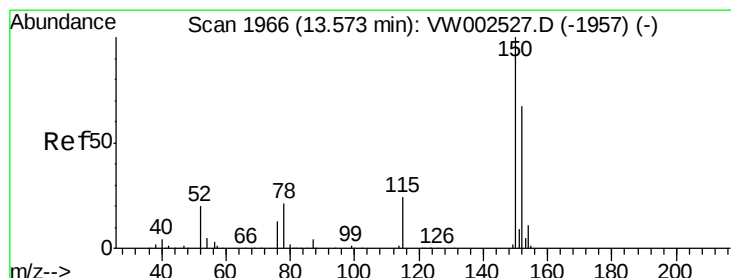
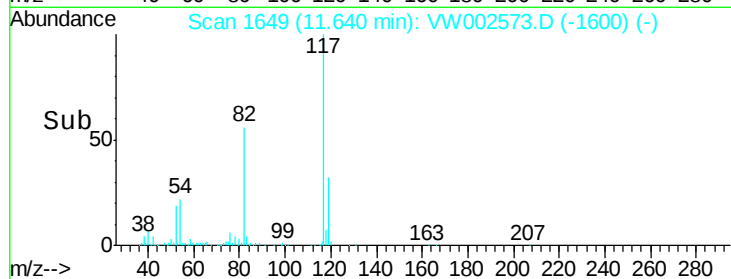
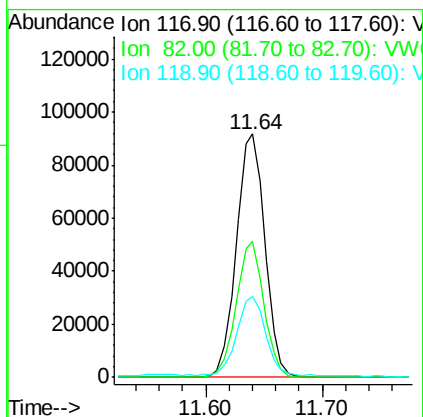
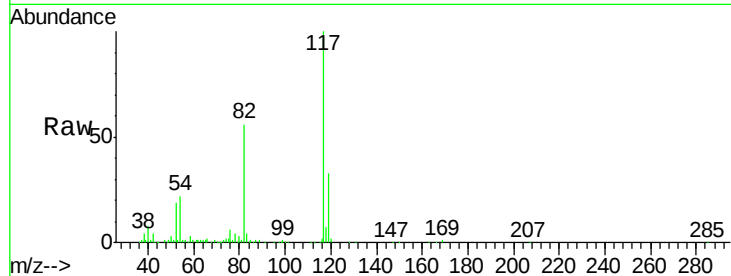




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002573.D
Acq: 16 May 2018 02:38

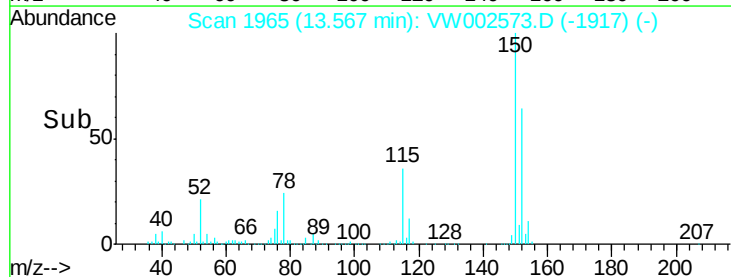
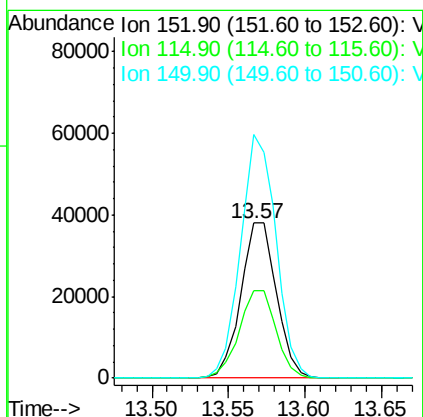
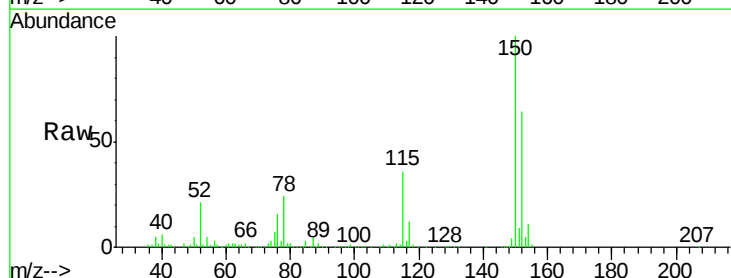
Instrument :
MSVOA_W
ClientSampleId :
SP-07

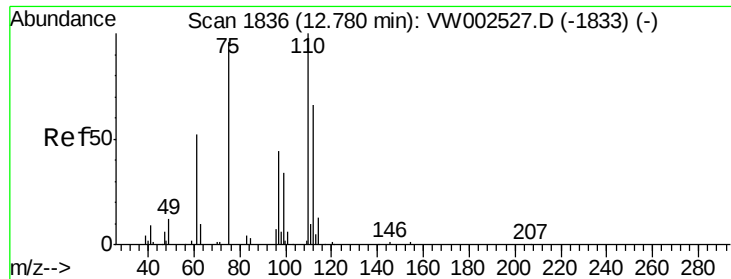
Tgt Ion:117 Resp: 156654
Ion Ratio Lower Upper
117 100
82 55.9 42.6 64.0
119 32.7 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.01 min
Lab File: VW002573.D
Acq: 16 May 2018 02:38

Tgt Ion:152 Resp: 61650
Ion Ratio Lower Upper
152 100
115 58.2 28.0 84.0
150 156.1 0.0 345.4





#76

1,2,3-Trichloropropane

Concen: 48.06 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW002573.D

Acq: 16 May 2018 02:38

Instrument :

MSVOA_W

ClientSampleId :

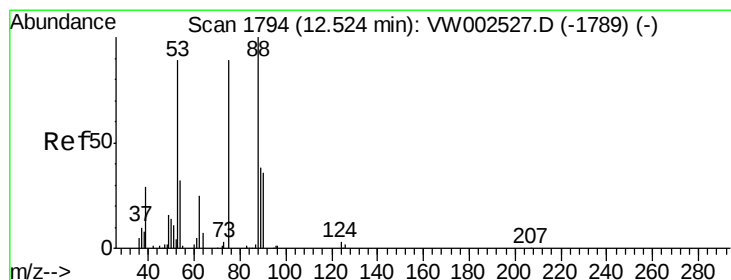
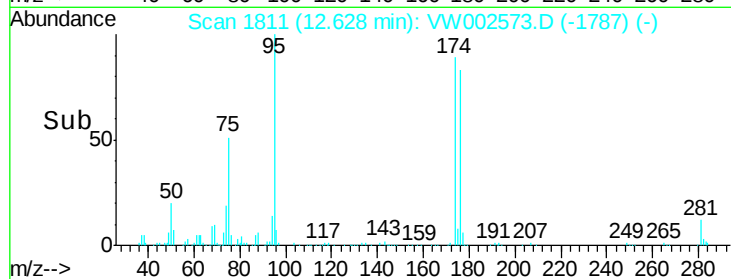
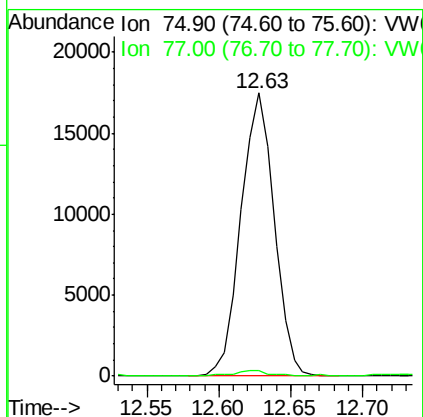
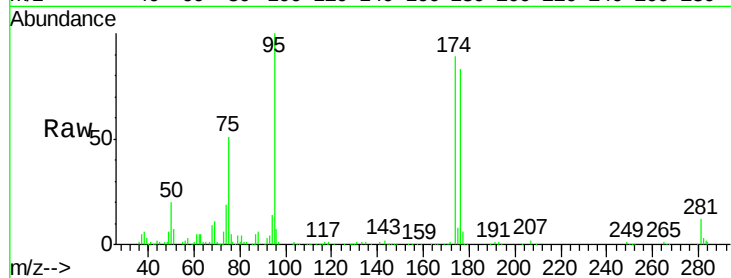
SP-07

Tgt Ion: 75 Resp: 28006

Ion Ratio Lower Upper

75 100

77 2.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 131.03 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW002573.D

Acq: 16 May 2018 02:38

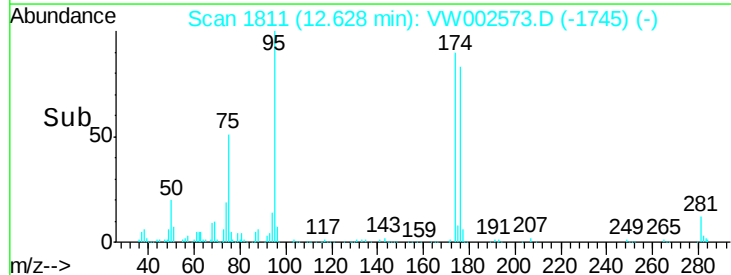
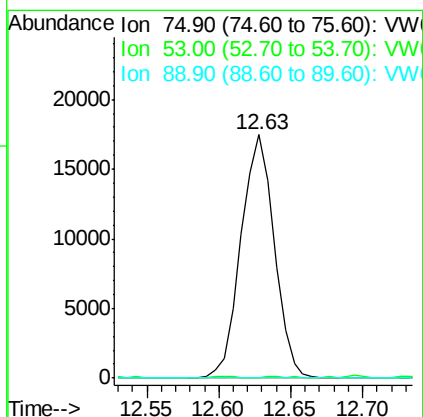
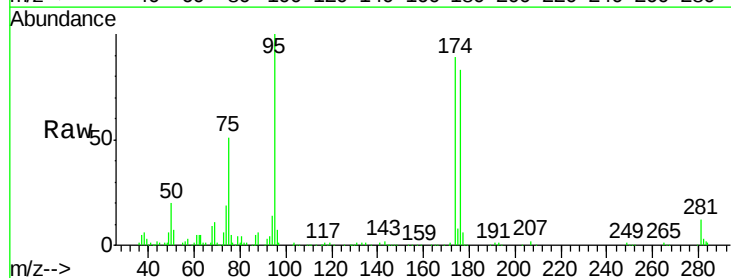
Tgt Ion: 75 Resp: 28006

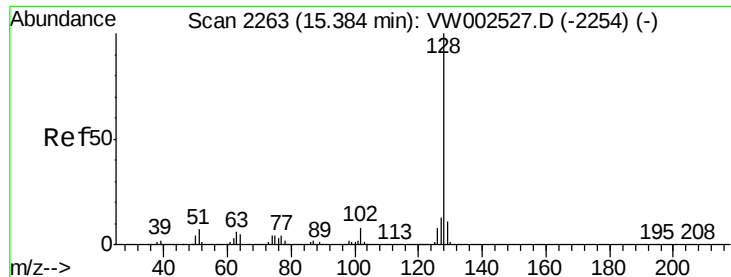
Ion Ratio Lower Upper

75 100

53 0.3 82.6 124.0#

89 0.0 39.2 58.8#





#95
Naphthalene
Concen: 6.62 ug/l
RT: 15.38 min Scan# 2263
Delta R.T. -0.00 min
Lab File: VW002573.D
Acq: 16 May 2018 02:38

Instrument :
MSVOA_W
ClientSampleId :
SP-07

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.6	15.8
129	14.2	8.9	13.3

