

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW051518\
 Data File : VW002571.D
 Acq On : 16 May 2018 01:47
 Operator : JC/SY
 Sample : J2898-05
 Misc : 5.04G/10ML/MSVOA_W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SP-05

Quant Time: May 16 05:52:33 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	116403	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	171853	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	133830	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	47456	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	56751	47.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.36%	
35) Dibromofluoromethane	7.88	113	1293	1.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.38%	
50) Toluene-d8	10.33	98	159285	38.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.80%	
62) 4-Bromofluorobenzene	12.63	95	48094	31.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	63.42%	

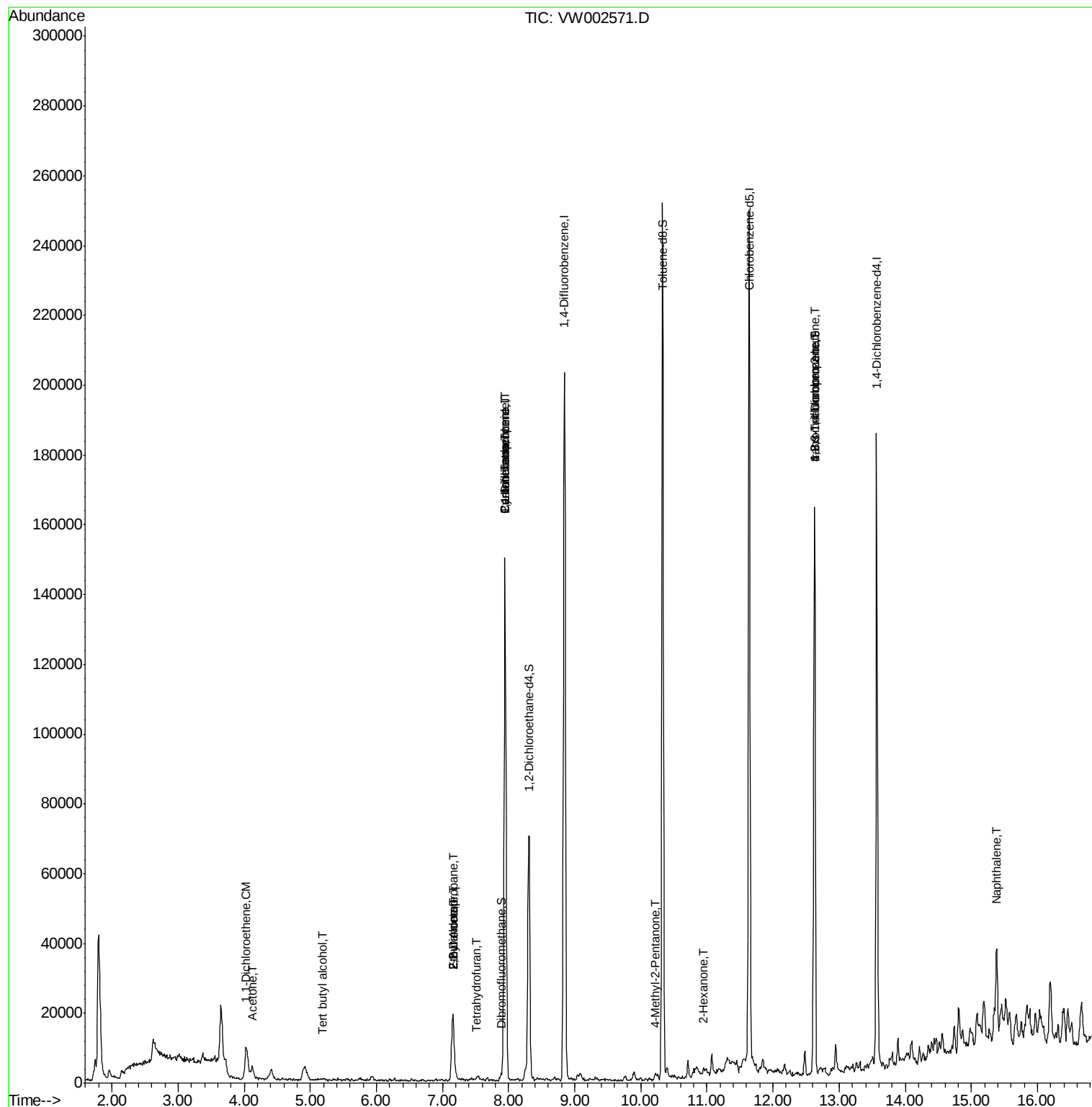
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	383	4.14	ug/l #	72
12) 1,1-Dichloroethene	4.03	96	6344	6.52	ug/l	89
16) Acetone	4.12	43	5465	21.52	ug/l #	79
25) 2-Butanone	7.16	43	1973	5.49	ug/l	90
26) 2,2-Dichloropropane	7.17	77	1470	1.36	ug/l #	51
29) Tetrahydrofuran	7.52	42	860	3.83	ug/l #	40
31) Cyclohexane	7.94	56	2767	1.62	ug/l #	36
36) 1,1-Dichloropropene	7.94	75	8725	5.75	ug/l #	50
37) Ethyl Acetate	7.16	43	1973	2.62	ug/l #	31
38) Carbon Tetrachloride	7.95	117	11006	7.41	ug/l #	18
51) 4-Methyl-2-Pentanone	10.22	43	1554	1.96	ug/l #	81
59) 2-Hexanone	10.95	43	1102	2.01	ug/l #	26
76) 1,2,3-Trichloropropane	12.63	75	25026	55.79	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	25026	152.11	ug/l #	8
95) Naphthalene	15.38	128	22242	12.27	ug/l	98

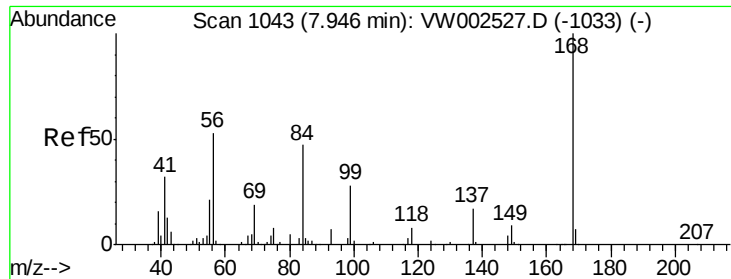
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW002571.D

Acq: 16 May 2018 01:47

Instrument :

MSVOA_W

ClientSampled :

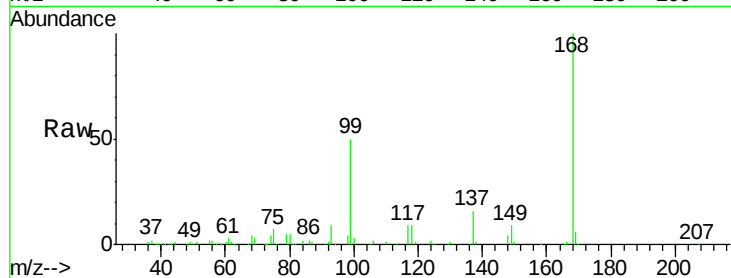
SP-05

Tgt Ion:168 Resp: 116403

Ion Ratio Lower Upper

168 100

99 50.4 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

50000

40000

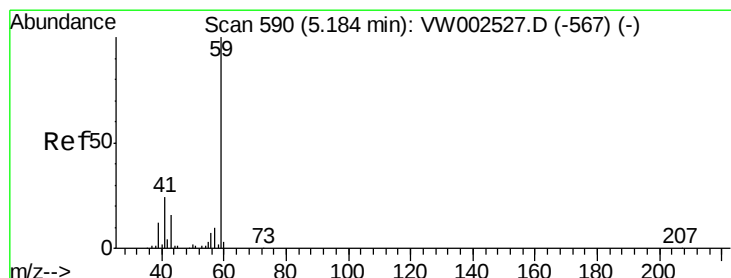
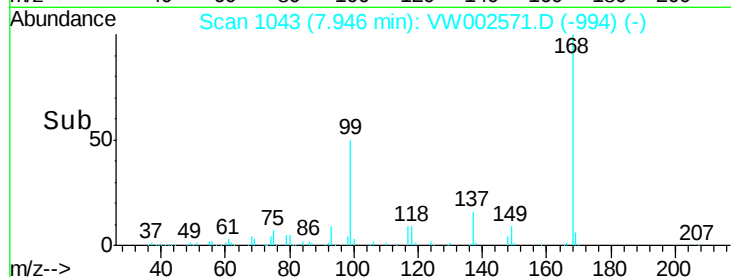
30000

20000

10000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: 4.14 ug/l

RT: 5.18 min Scan# 590

Delta R.T. -0.00 min

Lab File: VW002571.D

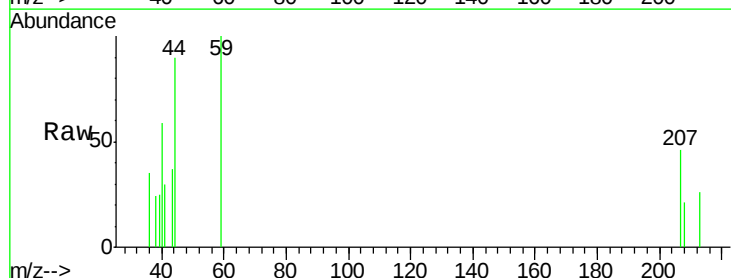
Acq: 16 May 2018 01:47

Tgt Ion: 59 Resp: 383

Ion Ratio Lower Upper

59 100

57 0.0 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

300

250

200

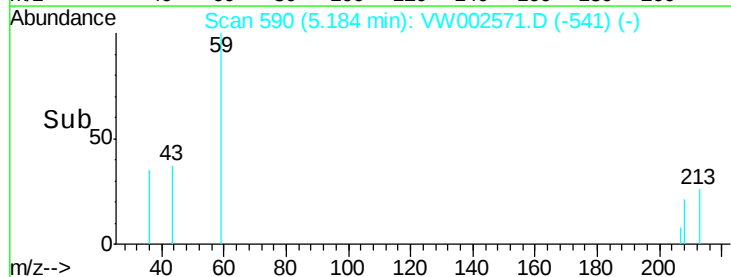
150

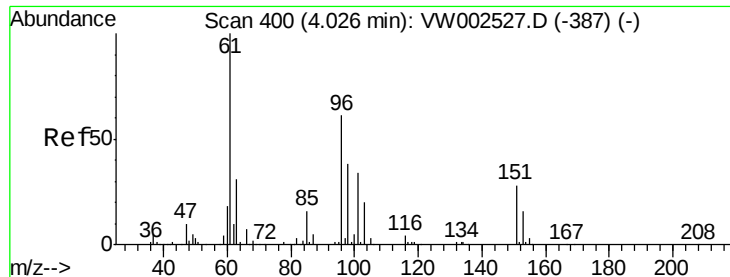
100

50

0

Time--> 5.14 5.16 5.18 5.20





#12

1,1-Dichloroethene

Concen: 6.52 ug/l

RT: 4.03 min Scan# 400

Delta R.T. -0.00 min

Lab File: VW002571.D

Acq: 16 May 2018 01:47

Instrument :

MSVOA_W

ClientSampled :

SP-05

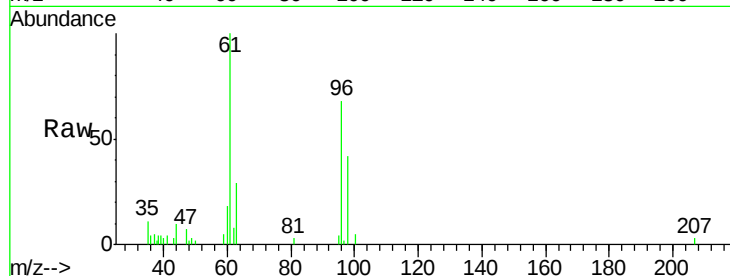
Tgt Ion: 96 Resp: 6344

Ion Ratio Lower Upper

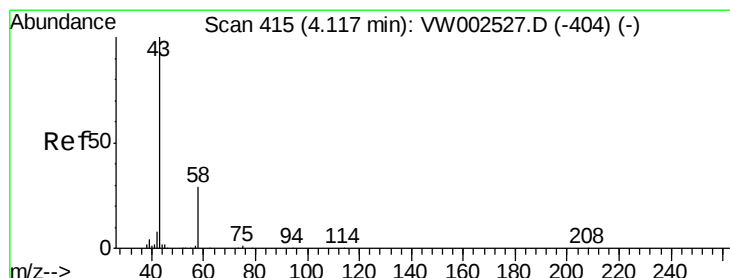
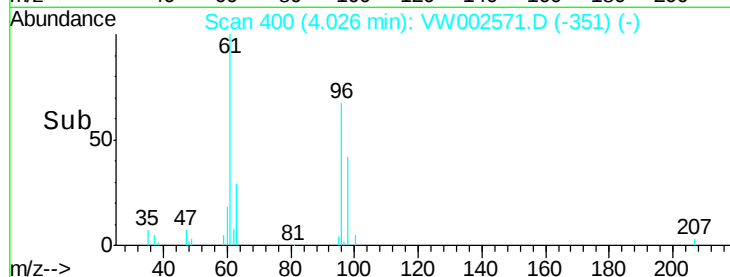
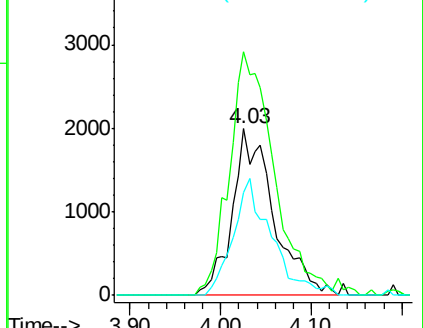
96 100

61 146.1 132.2 198.2

98 61.5 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#16

Acetone

Concen: 21.52 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.01 min

Lab File: VW002571.D

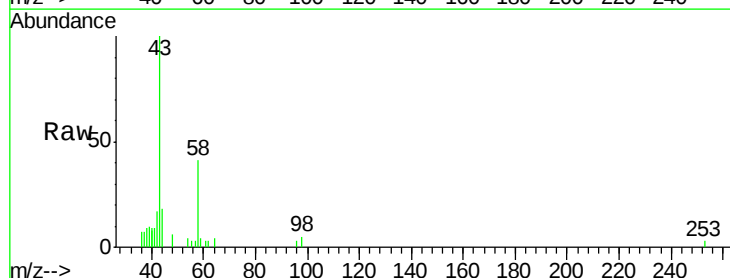
Acq: 16 May 2018 01:47

Tgt Ion: 43 Resp: 5465

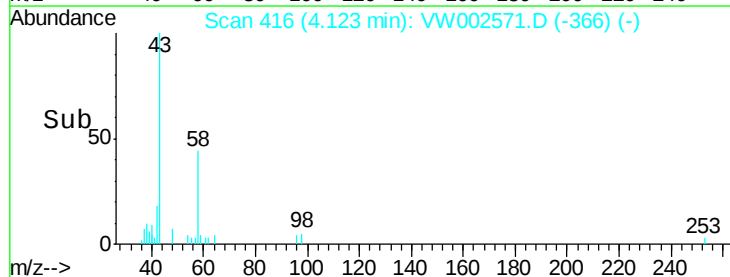
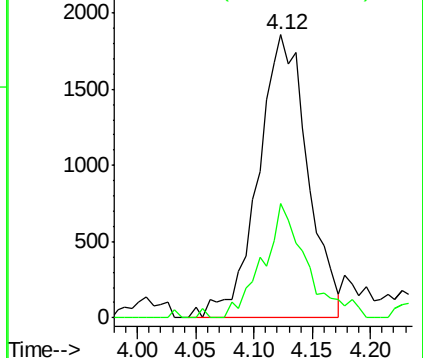
Ion Ratio Lower Upper

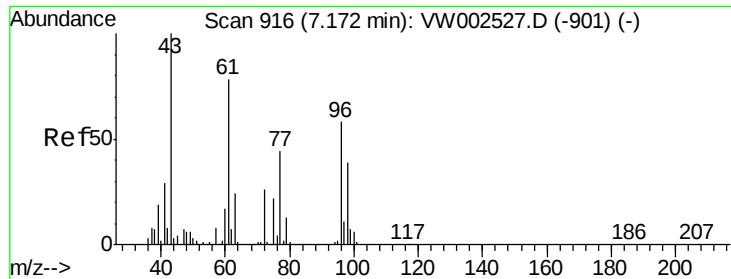
43 100

58 40.6 23.4 35.0#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#25

2-Butanone

Concen: 5.49 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW002571.D

Acq: 16 May 2018 01:47

Instrument :

MSVOA_W

ClientSampled :

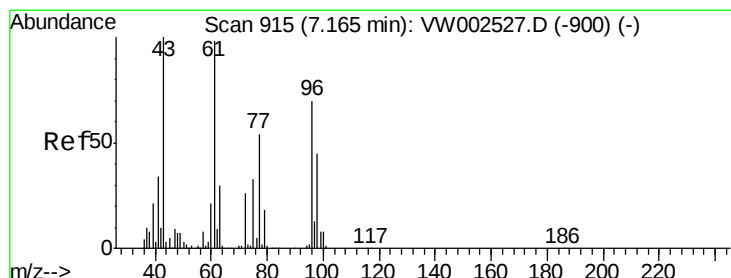
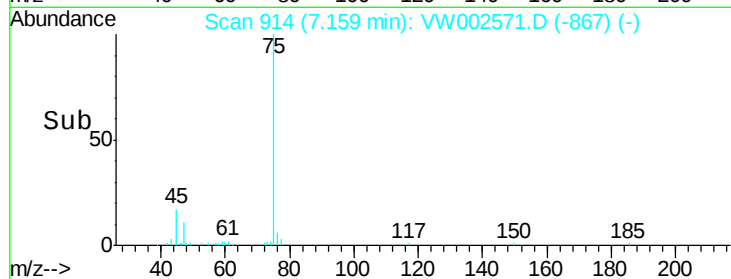
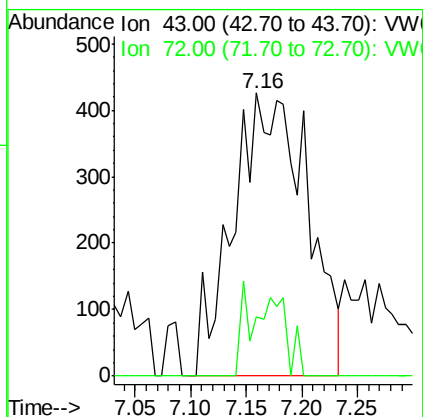
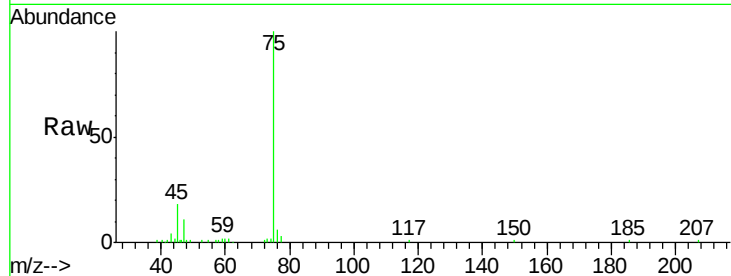
SP-05

Tgt Ion: 43 Resp: 1973

Ion Ratio Lower Upper

43 100

72 20.9 20.9 31.3



#26

2,2-Dichloropropane

Concen: 1.36 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW002571.D

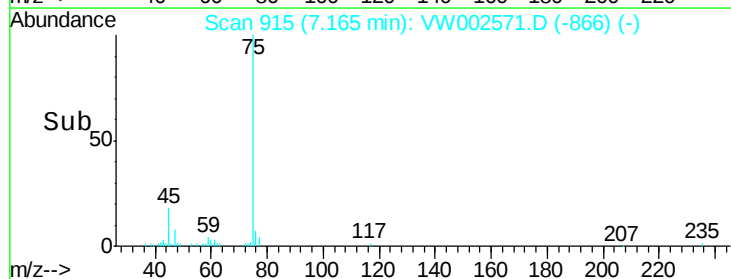
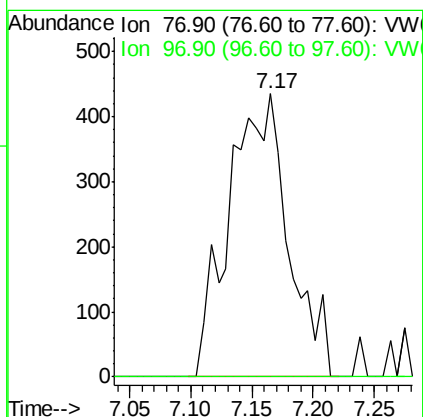
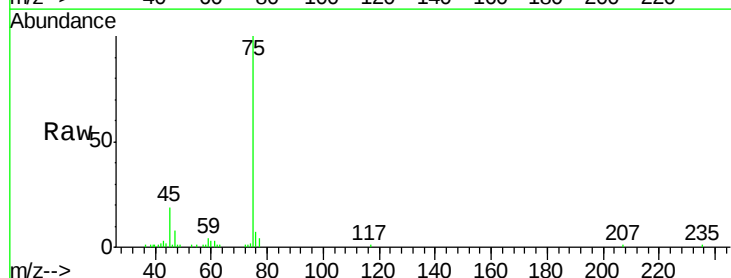
Acq: 16 May 2018 01:47

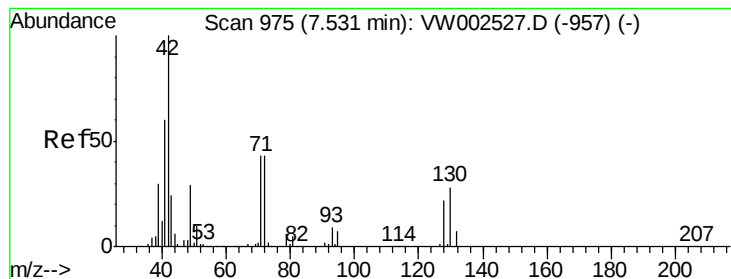
Tgt Ion: 77 Resp: 1470

Ion Ratio Lower Upper

77 100

97 0.0 12.1 36.3#





#29

Tetrahydrofuran

Concen: 3.83 ug/l

RT: 7.52 min Scan# 973

Delta R.T. -0.01 min

Lab File: VW002571.D

Acq: 16 May 2018 01:47

Instrument :

MSVOA_W

ClientSampled :

SP-05

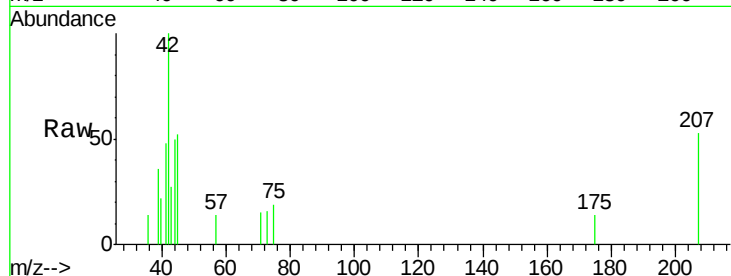
Tgt Ion: 42 Resp: 860

Ion Ratio Lower Upper

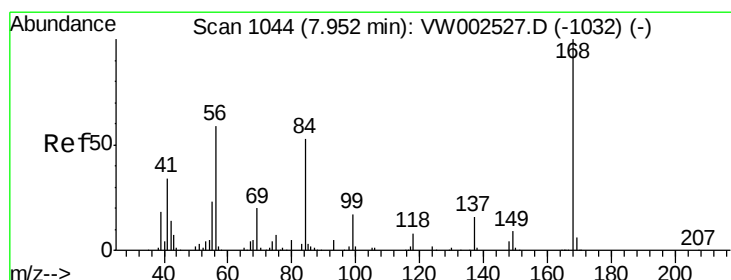
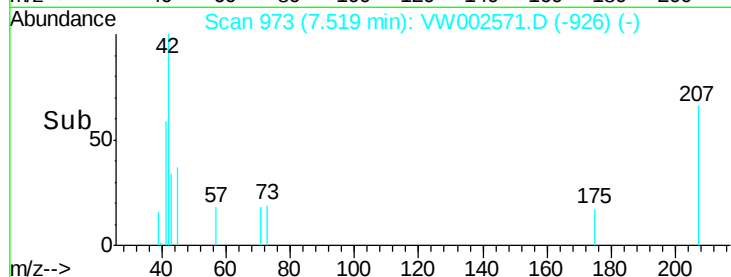
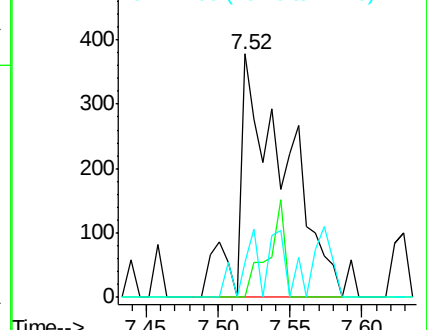
42 100

72 0.0 35.0 52.4#

71 9.2 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: 1.62 ug/l

RT: 7.94 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VW002571.D

Acq: 16 May 2018 01:47

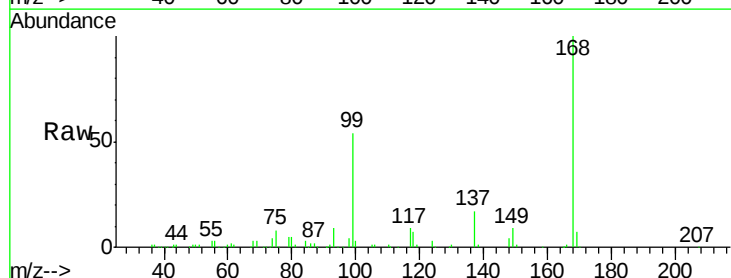
Tgt Ion: 56 Resp: 2767

Ion Ratio Lower Upper

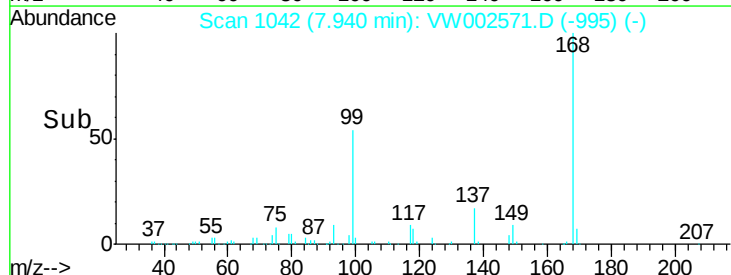
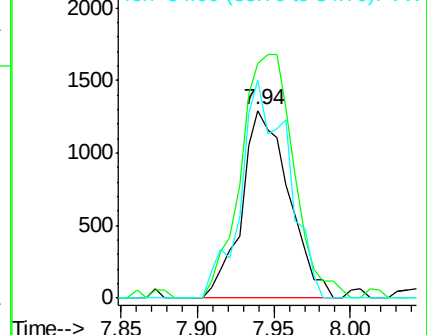
56 100

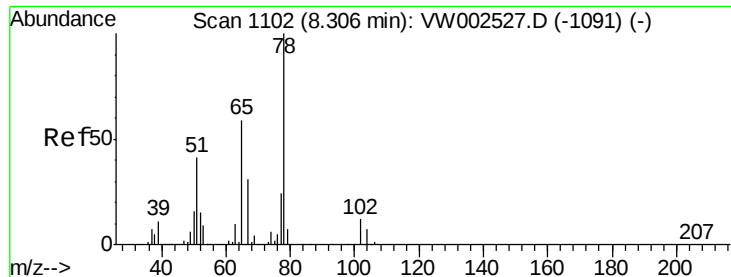
69 125.1 27.0 40.4#

84 116.5 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

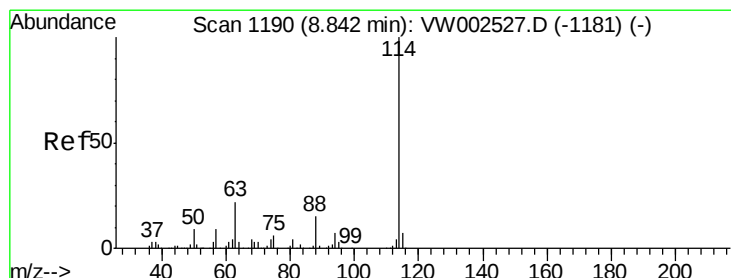
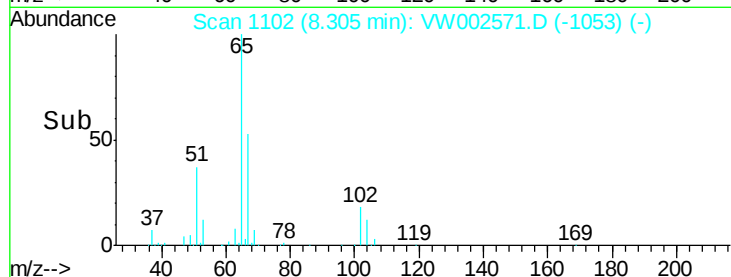
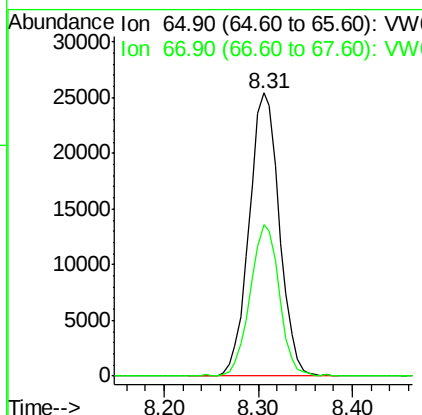
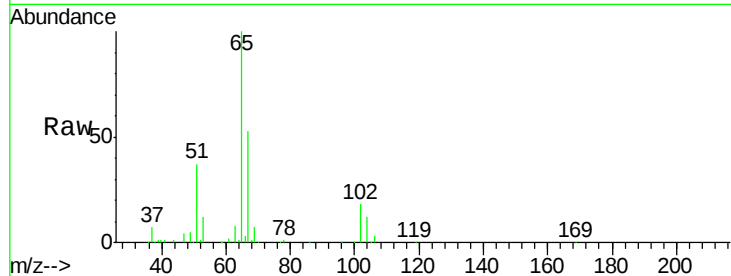




#33
 1,2-Dichloroethane-d4
 Concen: 47.18 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW002571.D
 Acq: 16 May 2018 01:47

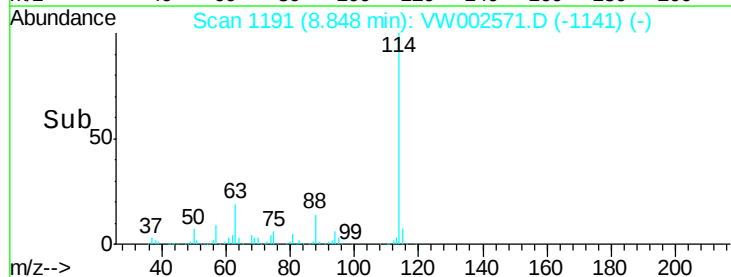
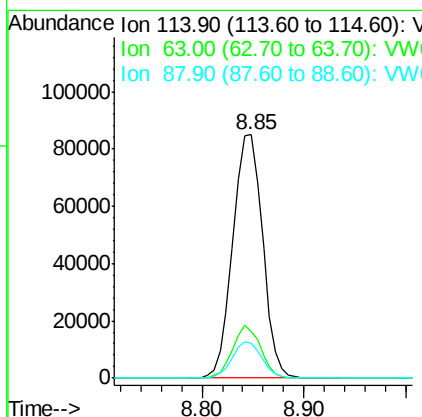
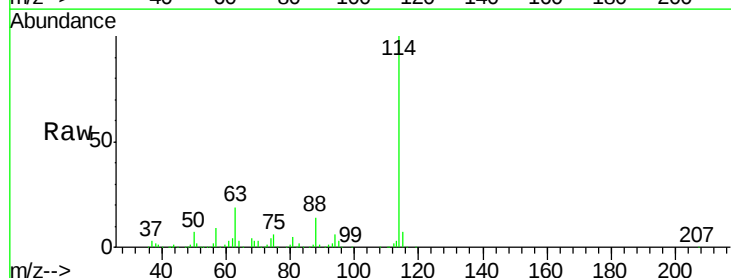
Instrument :
 MSVOA_W
 ClientSampled :
 SP-05

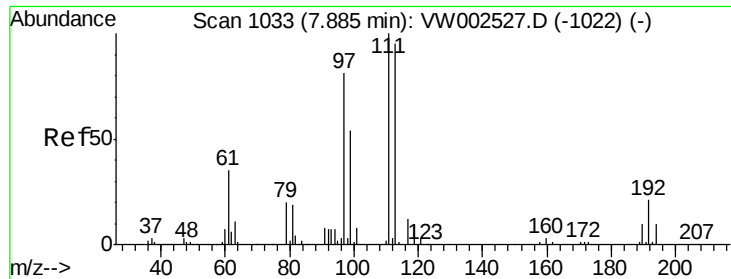
Tgt Ion: 65 Resp: 56751
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: VW002571.D
 Acq: 16 May 2018 01:47

Tgt Ion: 114 Resp: 171853
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 43.2
 88 14.4 0.0 29.2

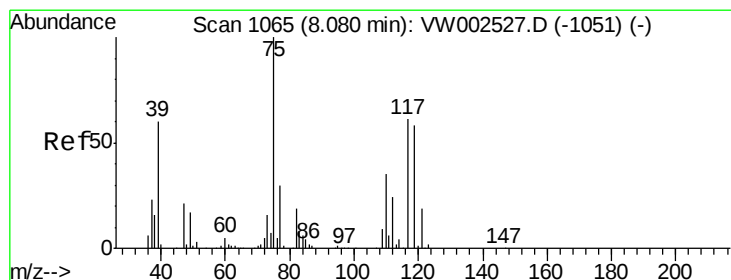
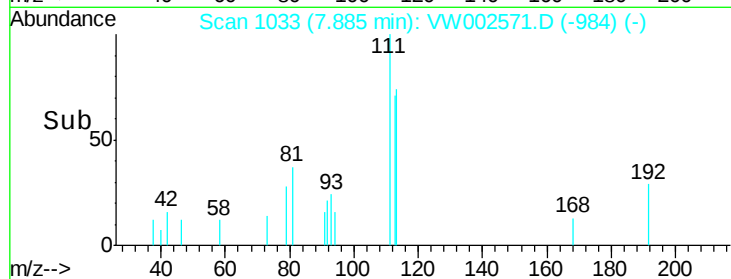
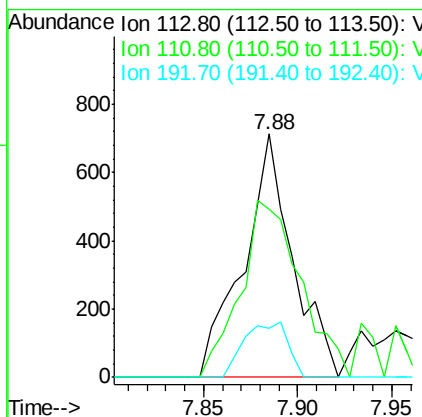
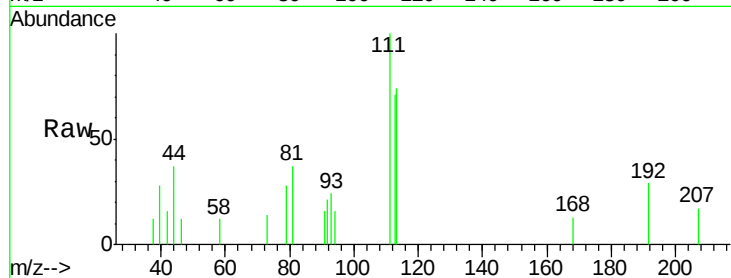




#35
 Dibromofluoromethane
 Concen: 1.19 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW002571.D
 Acq: 16 May 2018 01:47

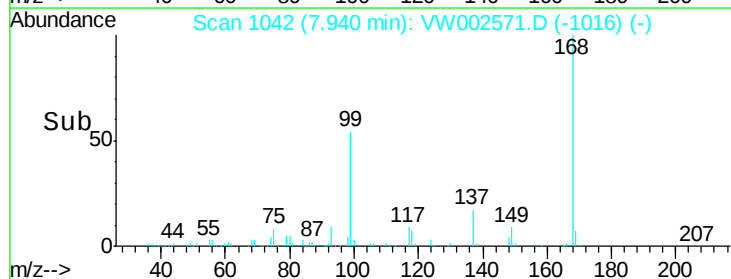
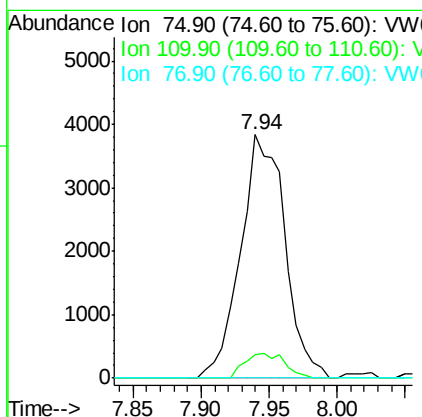
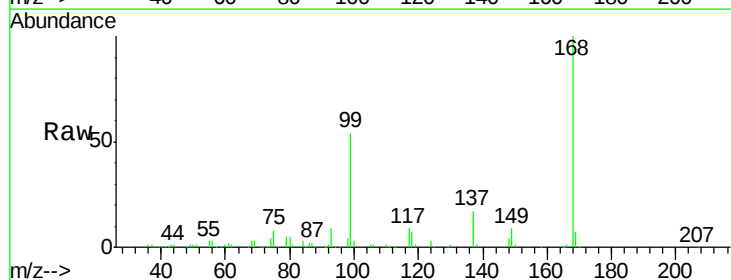
Instrument :
 MSVOA_W
 ClientSampleId :
 SP-05

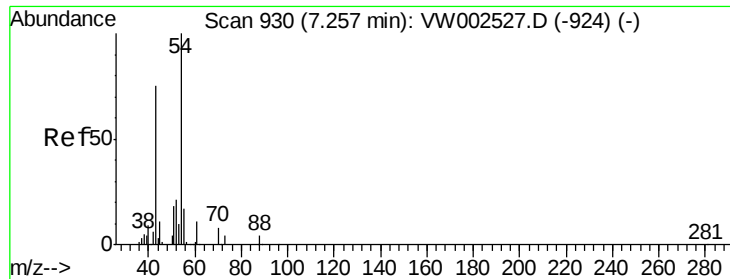
Tgt Ion: 113 Resp: 1293
 Ion Ratio Lower Upper
 113 100
 111 87.9 81.8 122.8
 192 20.1 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 5.75 ug/l
 RT: 7.94 min Scan# 1042
 Delta R.T. -0.14 min
 Lab File: VW002571.D
 Acq: 16 May 2018 01:47

Tgt Ion: 75 Resp: 8725
 Ion Ratio Lower Upper
 75 100
 110 9.2 17.8 53.5#
 77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 2.62 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.10 min

Lab File: VW002571.D

Acq: 16 May 2018 01:47

Instrument :

MSVOA_W

ClientSampled :

SP-05

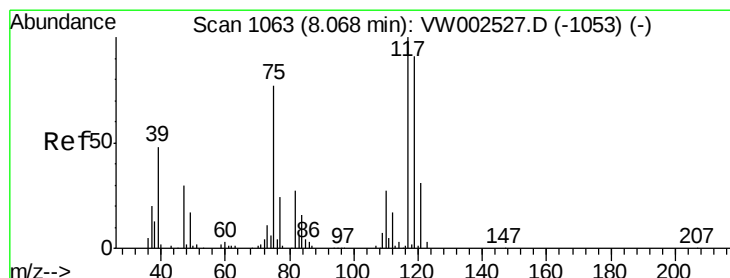
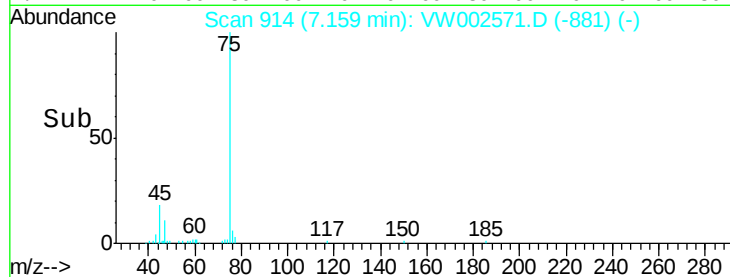
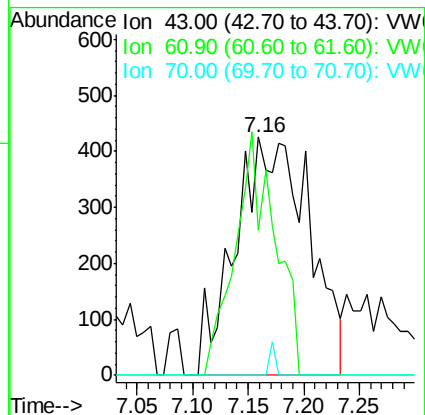
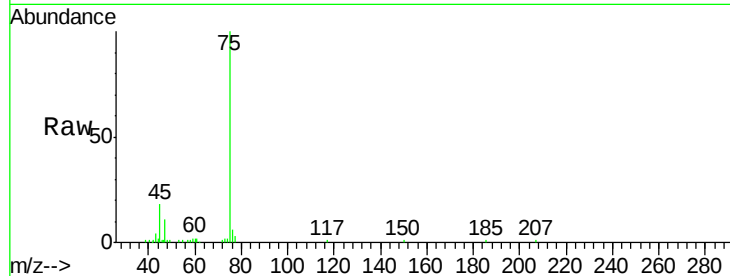
Tgt Ion: 43 Resp: 1973

Ion Ratio Lower Upper

43 100

61 55.1 11.1 16.7#

70 1.1 7.8 11.8#



#38

Carbon Tetrachloride

Concen: 7.41 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW002571.D

Acq: 16 May 2018 01:47

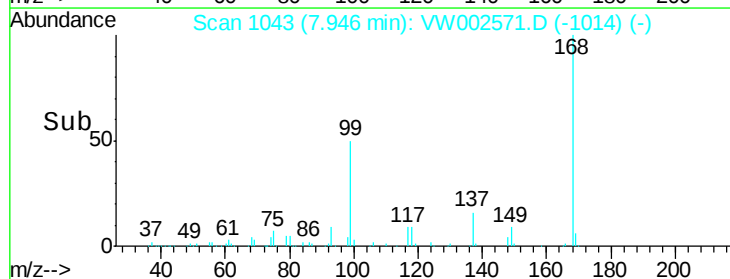
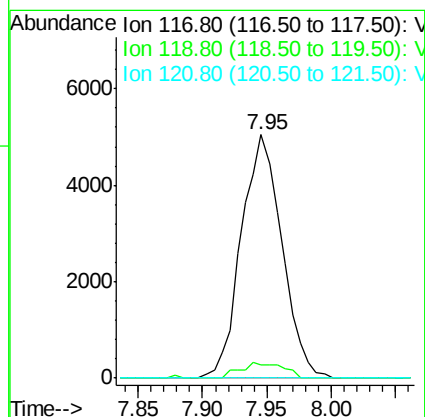
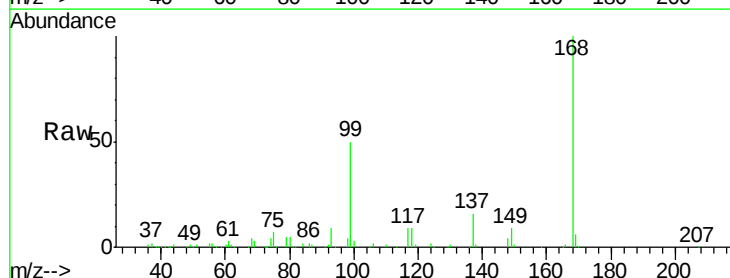
Tgt Ion: 117 Resp: 11006

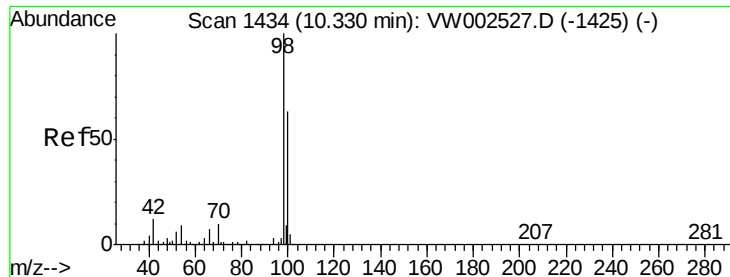
Ion Ratio Lower Upper

117 100

119 5.5 73.1 109.7#

121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: 38.40 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002571.D

Acq: 16 May 2018 01:47

Instrument :

MSVOA_W

ClientSampled :

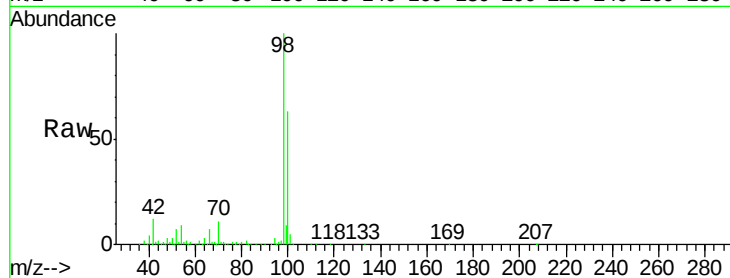
SP-05

Tgt Ion: 98 Resp: 159285

Ion Ratio Lower Upper

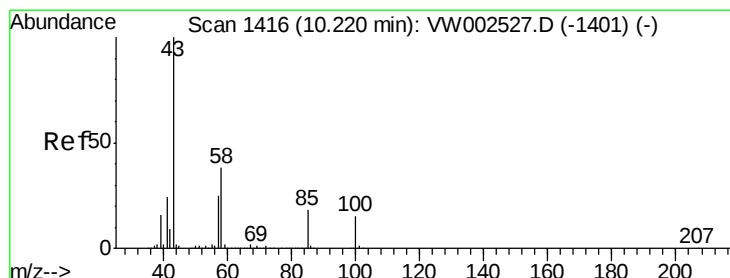
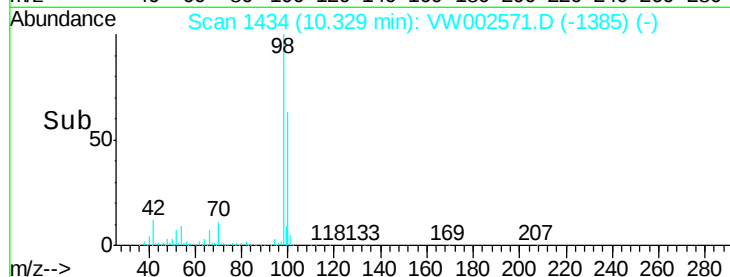
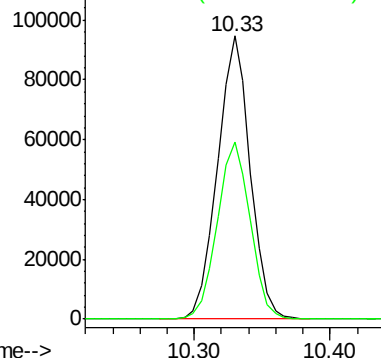
98 100

100 63.1 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: 1.96 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VW002571.D

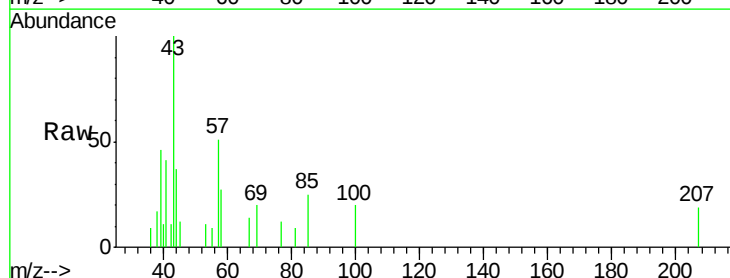
Acq: 16 May 2018 01:47

Tgt Ion: 43 Resp: 1554

Ion Ratio Lower Upper

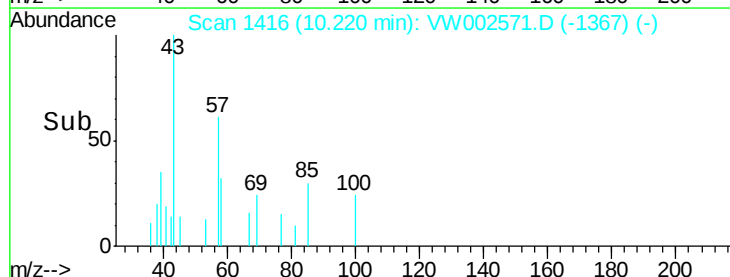
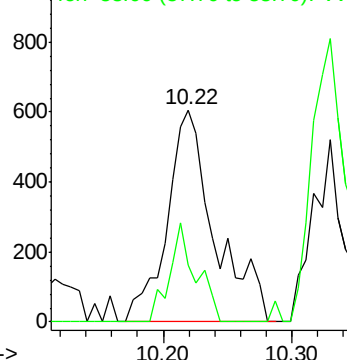
43 100

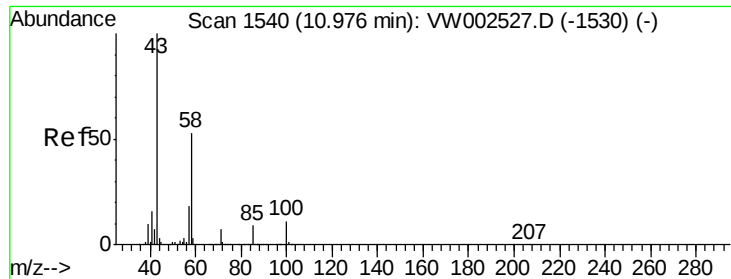
58 26.1 30.1 45.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

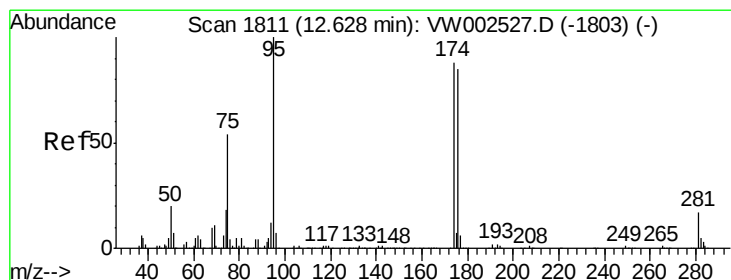
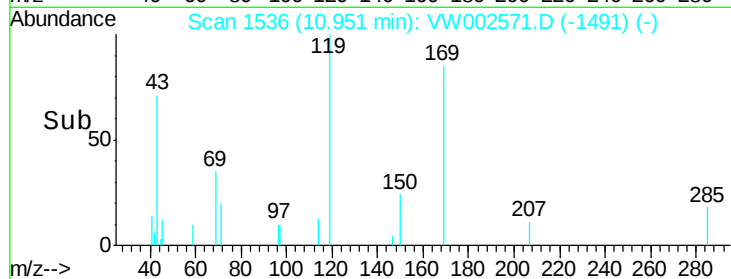
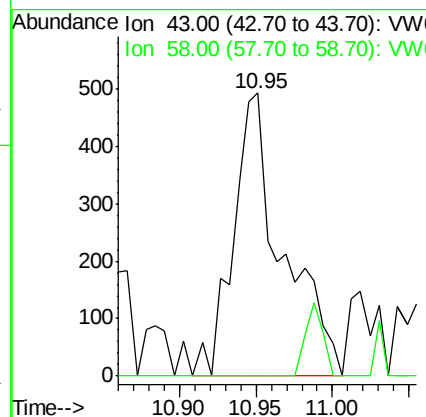
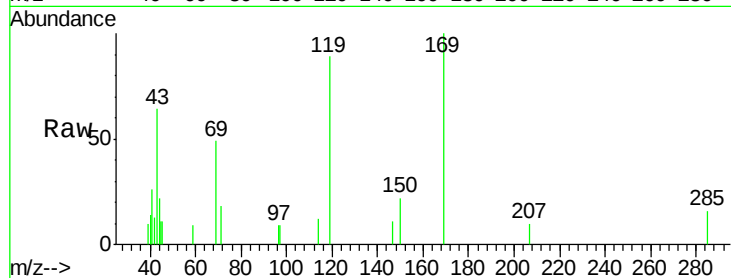




#59
2-Hexanone
Concen: 2.01 ug/l
RT: 10.95 min Scan# 1536
Delta R.T. -0.02 min
Lab File: VW002571.D
Acq: 16 May 2018 01:47

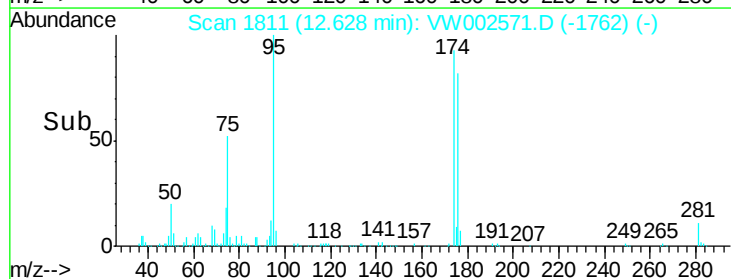
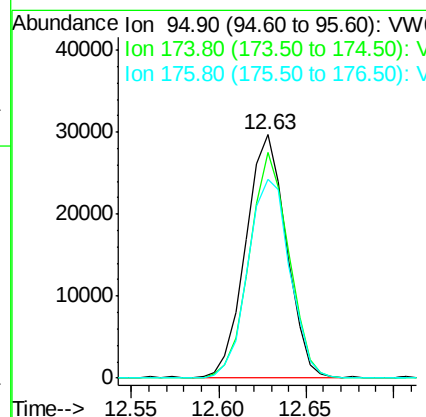
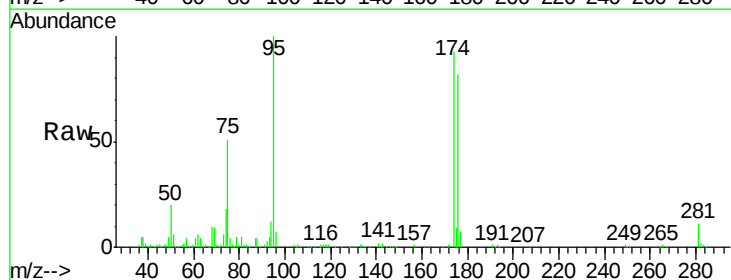
Instrument :
MSVOA_W
ClientSampled :
SP-05

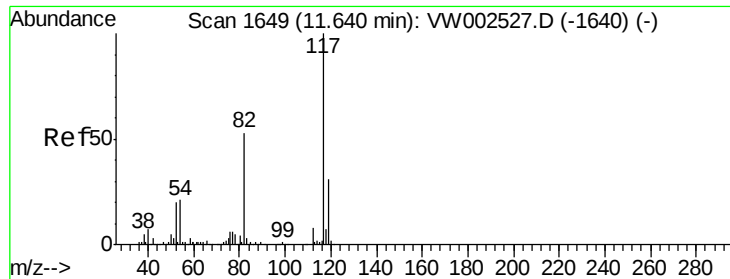
Tgt Ion: 43 Resp: 1102
Ion Ratio Lower Upper
43 100
58 0.0 26.3 78.8#



#62
4-Bromofluorobenzene
Concen: 31.71 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW002571.D
Acq: 16 May 2018 01:47

Tgt Ion: 95 Resp: 48094
Ion Ratio Lower Upper
95 100
174 89.7 0.0 176.6
176 84.8 0.0 172.2

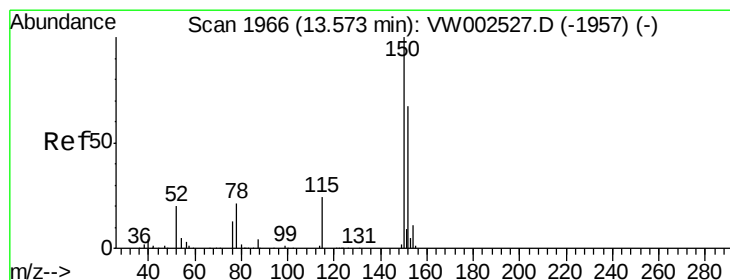
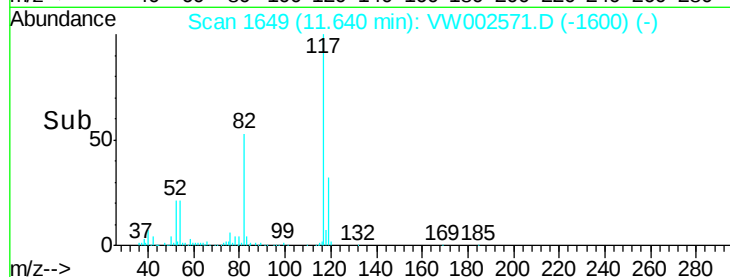
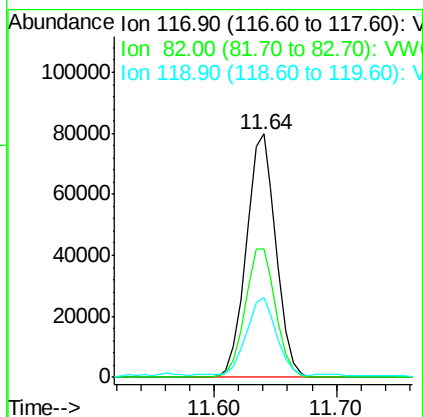
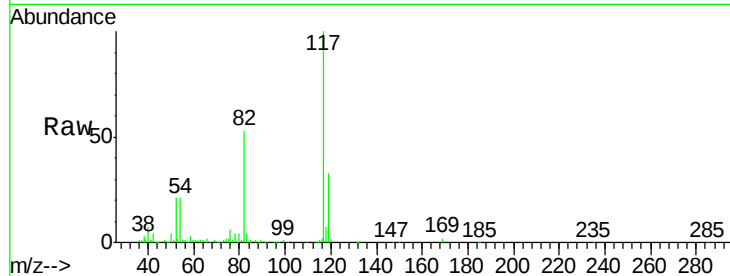




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002571.D
Acq: 16 May 2018 01:47

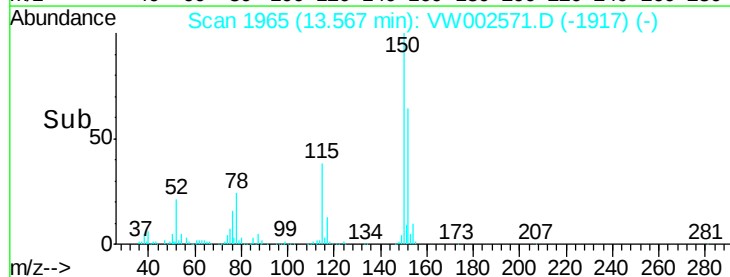
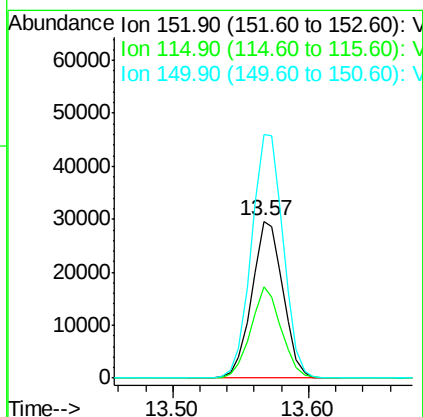
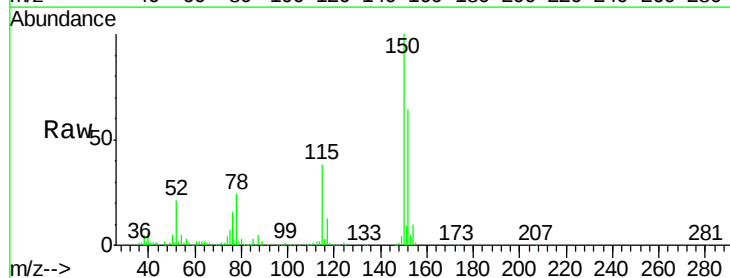
Instrument :
MSVOA_W
ClientSampled :
SP-05

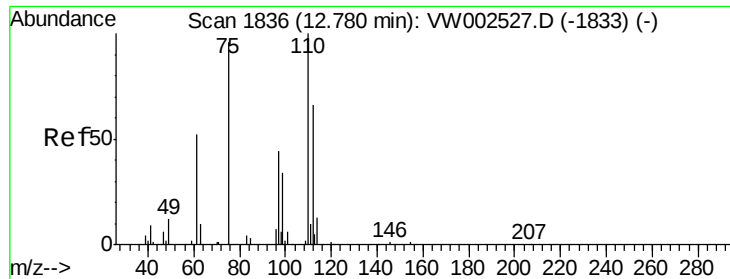
Tgt Ion:117 Resp: 133830
Ion Ratio Lower Upper
117 100
82 52.9 42.6 64.0
119 31.8 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.01 min
Lab File: VW002571.D
Acq: 16 May 2018 01:47

Tgt Ion:152 Resp: 47456
Ion Ratio Lower Upper
152 100
115 56.8 28.0 84.0
150 158.7 0.0 345.4

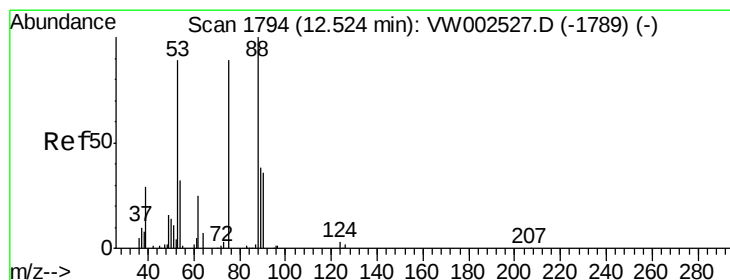
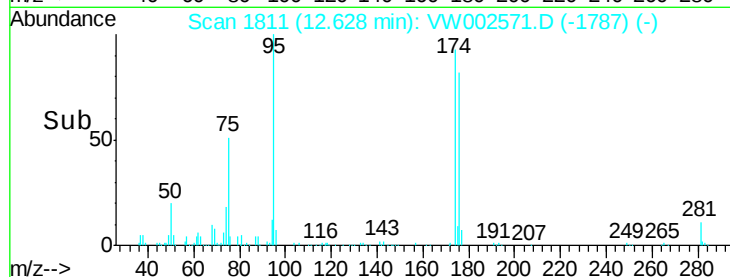
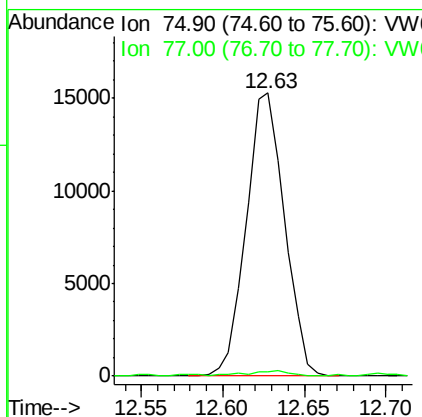
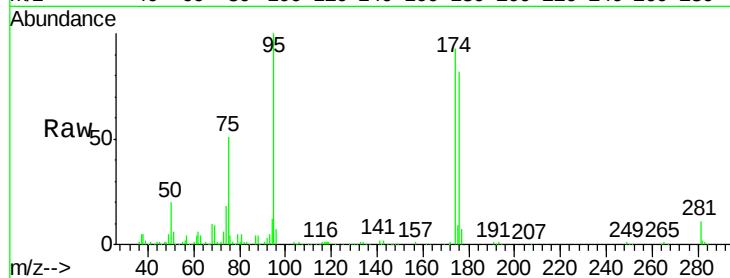




#76
 1,2,3-Trichloropropane
 Concen: 55.79 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.15 min
 Lab File: VW002571.D
 Acq: 16 May 2018 01:47

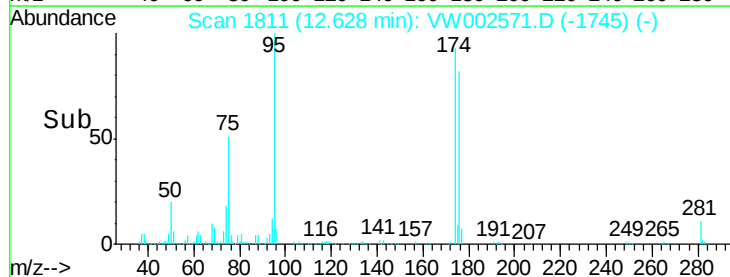
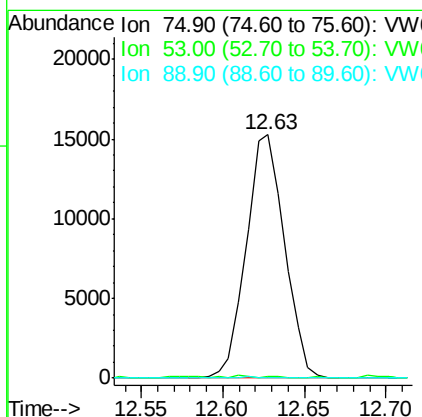
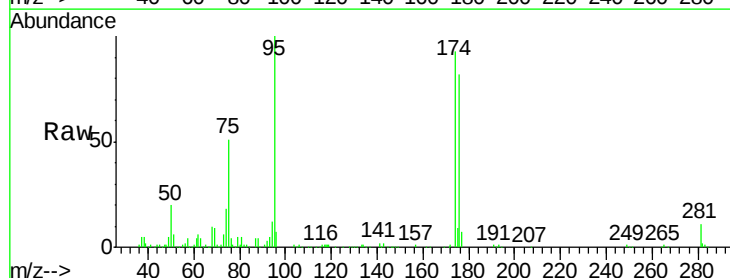
Instrument :
 MSVOA_W
 ClientSampleId :
 SP-05

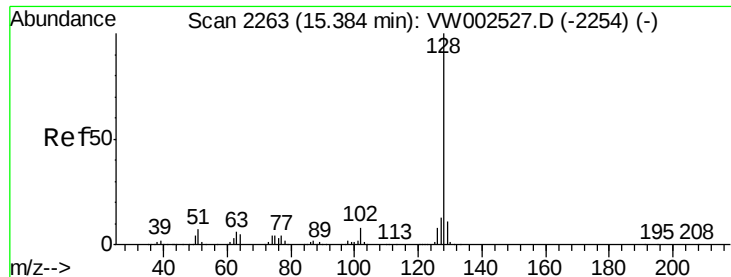
Tgt Ion: 75 Resp: 25026
 Ion Ratio Lower Upper
 75 100
 77 2.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 152.11 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.10 min
 Lab File: VW002571.D
 Acq: 16 May 2018 01:47

Tgt Ion: 75 Resp: 25026
 Ion Ratio Lower Upper
 75 100
 53 0.3 82.6 124.0#
 89 0.0 39.2 58.8#

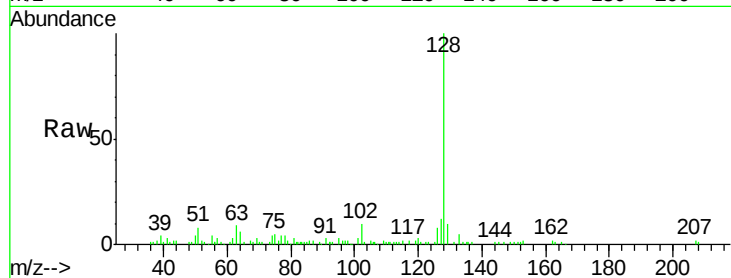




#95
Naphthalene
Concen: 12.27 ug/l
RT: 15.38 min Scan# 2263
Delta R.T. -0.00 min
Lab File: VW002571.D
Acq: 16 May 2018 01:47

Instrument :
MSVOA_W
ClientSampleId :
SP-05

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.6	15.8
129	12.0	8.9	13.3



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

