

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW050818\
 Data File : VW002320.D
 Acq On : 09 May 2018 03:45
 Operator : JC/SY
 Sample : J2680-09
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PL-02-050418-E

Quant Time: May 09 08:33:53 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W050818S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 08 03:57:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	109625	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	176326	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	133984	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	49819	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	54409	46.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.48%	
35) Dibromofluoromethane	7.88	113	51029	45.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.30%	
50) Toluene-d8	10.33	98	143089	33.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.40%	
62) 4-Bromofluorobenzene	12.63	95	49802	31.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	63.96%	

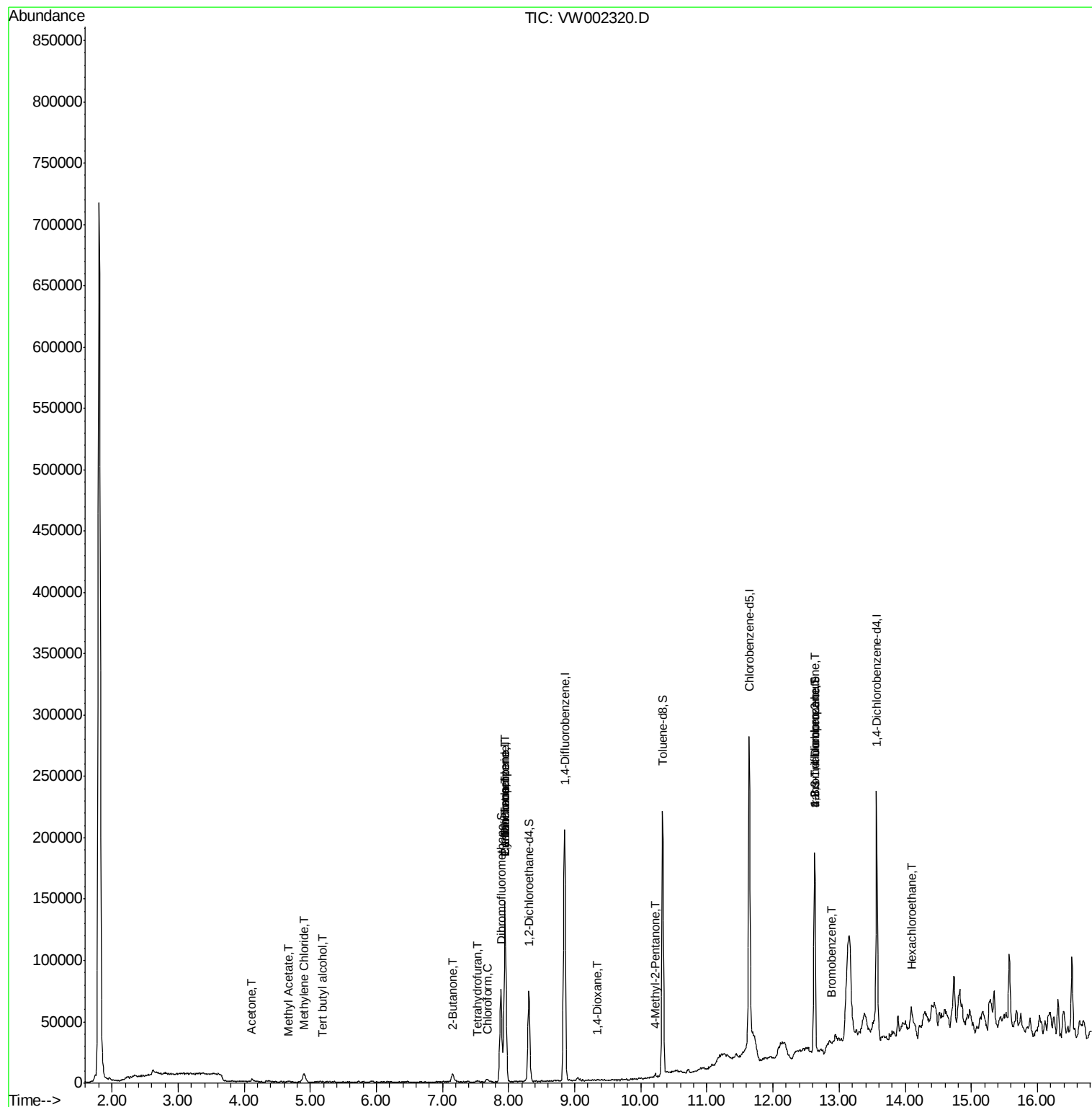
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	88	1.04	ug/l #	1
16) Acetone	4.12	43	3756	16.52	ug/l #	88
18) Methyl Acetate	4.67	43	711	1.04	ug/l #	84
20) Methylene Chloride	4.90	84	4845	4.42	ug/l #	86
25) 2-Butanone	7.16	43	582	1.72	ug/l #	49
29) Tetrahydrofuran	7.52	42	340	1.54	ug/l #	59
30) Chloroform	7.68	83	2058	1.01	ug/l	98
31) Cyclohexane	7.95	56	2530	1.46	ug/l #	13
36) 1,1-Dichloropropene	7.95	75	8157	5.12	ug/l #	48
38) Carbon Tetrachloride	7.95	117	10573	6.86	ug/l #	16
49) 1,4-Dioxane	9.33	88	20	1.93	ug/l #	1
51) 4-Methyl-2-Pentanone	10.22	43	1406	1.73	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	25375	57.44	ug/l #	1
77) Bromobenzene	12.88	156	1645	2.02	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	25375	151.30	ug/l #	10
90) Hexachloroethane	14.11	117	677	1.27	ug/l #	7

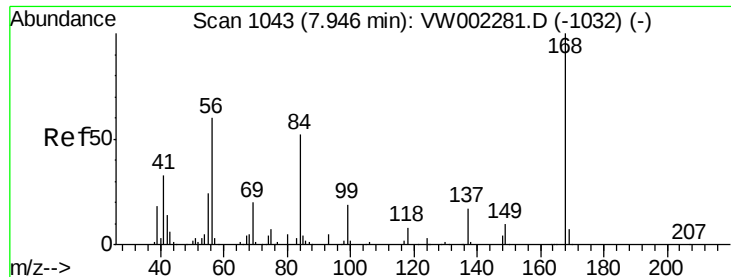
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VW002320.D

Acq: 09 May 2018 03:45

Instrument :

MSVOA_W

ClientSampleId :

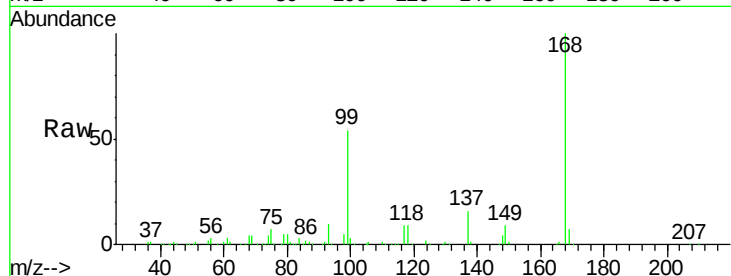
PL-02-050418-E

Tgt Ion:168 Resp: 109625

Ion Ratio Lower Upper

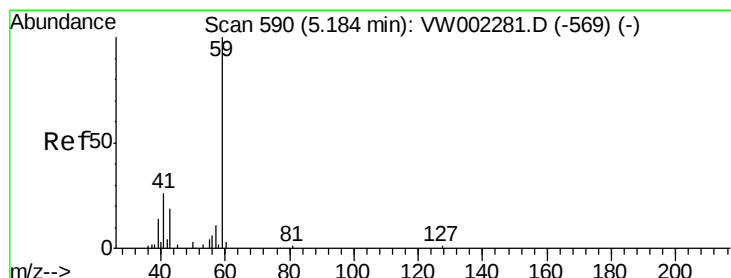
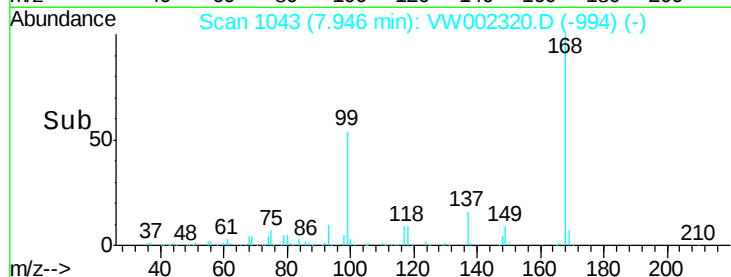
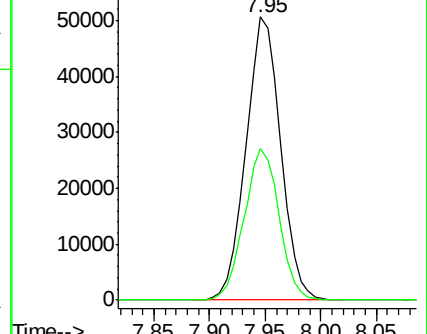
168 100

99 53.8 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.04 ug/l

RT: 5.18 min Scan# 590

Delta R.T. -0.00 min

Lab File: VW002320.D

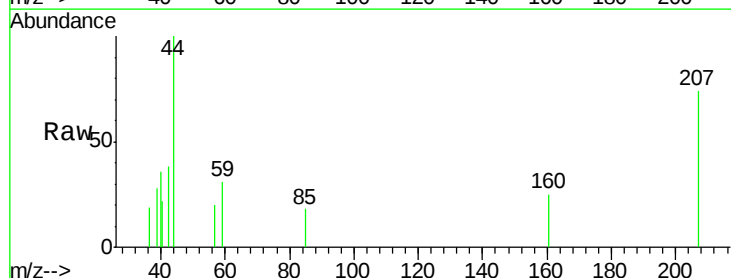
Acq: 09 May 2018 03:45

Tgt Ion: 59 Resp: 88

Ion Ratio Lower Upper

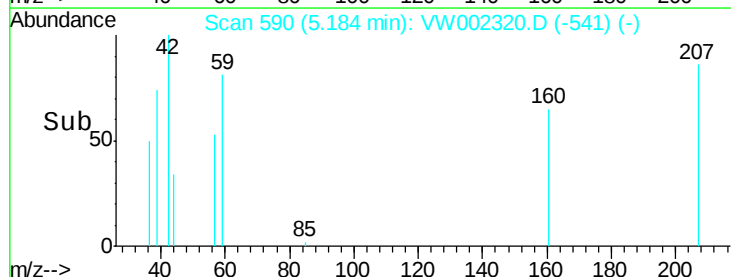
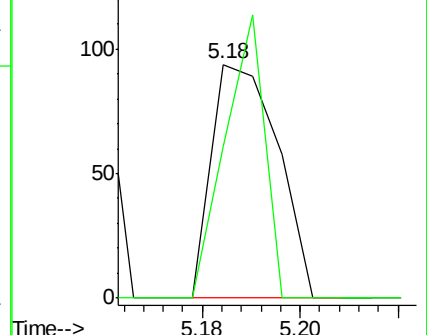
59 100

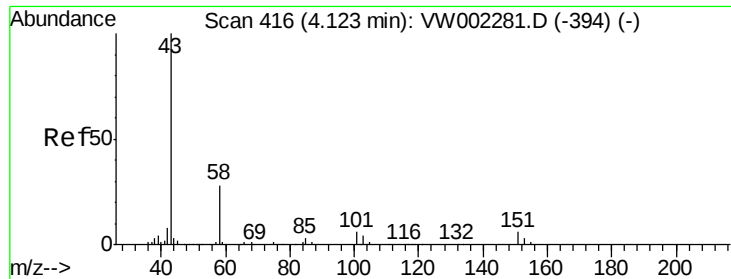
57 72.7 3.9 5.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 16.52 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.01 min

Lab File: VW002320.D

Acq: 09 May 2018 03:45

Instrument :

MSVOA_W

ClientSampleId :

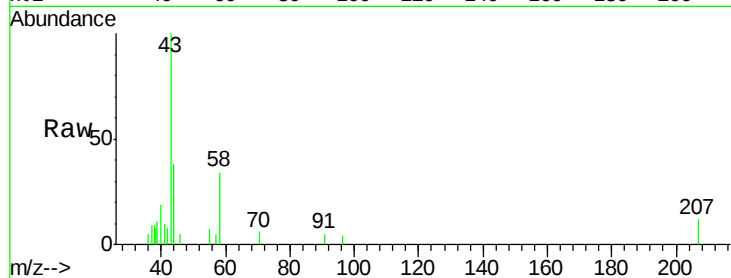
PL-02-050418-E

Tgt Ion: 43 Resp: 3756

Ion Ratio Lower Upper

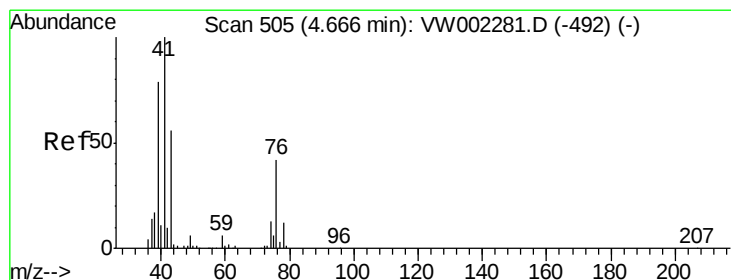
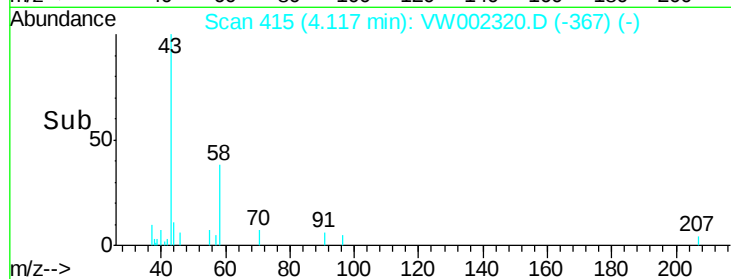
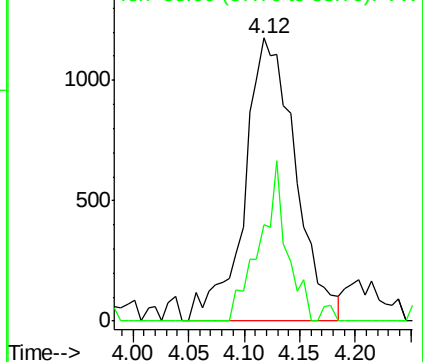
43 100

58 34.2 22.2 33.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 1.04 ug/l

RT: 4.67 min Scan# 506

Delta R.T. 0.01 min

Lab File: VW002320.D

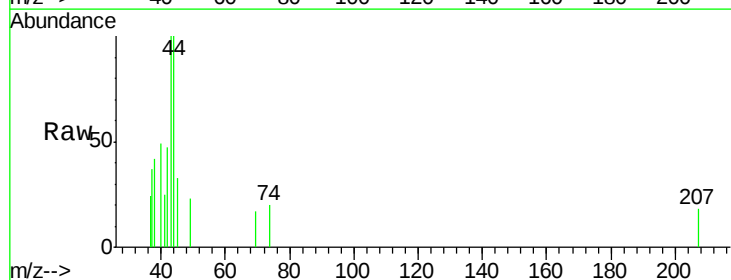
Acq: 09 May 2018 03:45

Tgt Ion: 43 Resp: 711

Ion Ratio Lower Upper

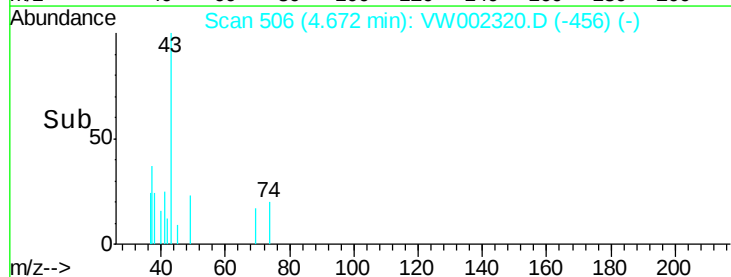
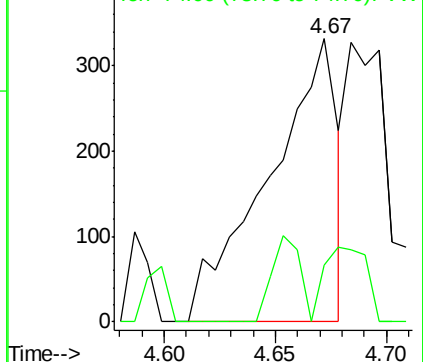
43 100

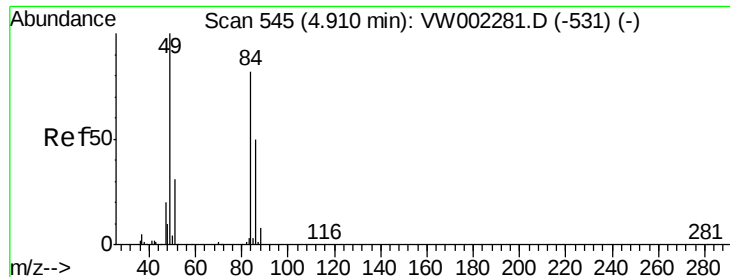
74 16.3 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

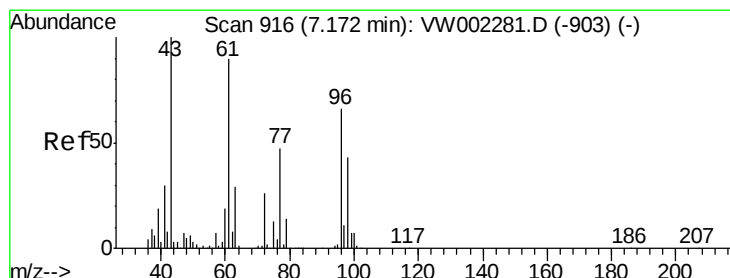
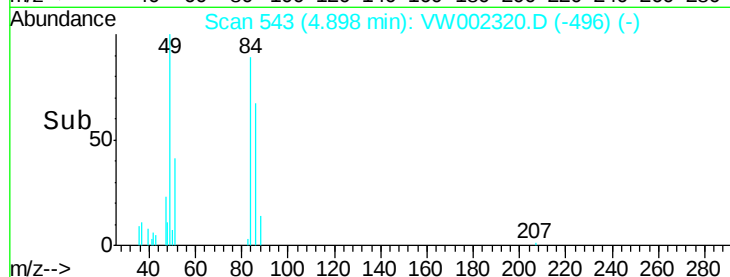
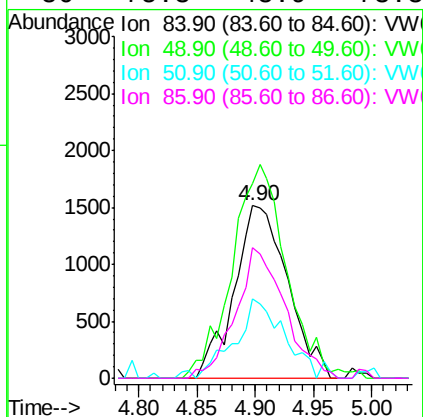
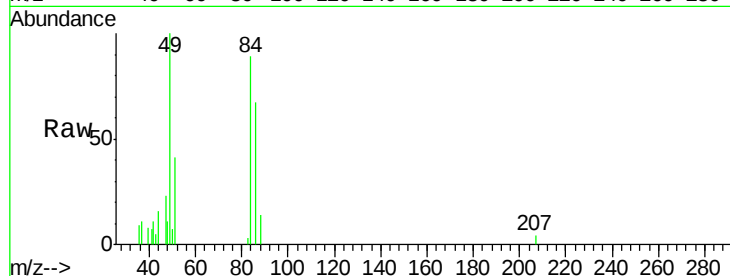




#20
Methylene Chloride
Concen: 4.42 ug/l
RT: 4.90 min Scan# 543
Delta R.T. -0.01 min
Lab File: VW002320.D
Acq: 09 May 2018 03:45

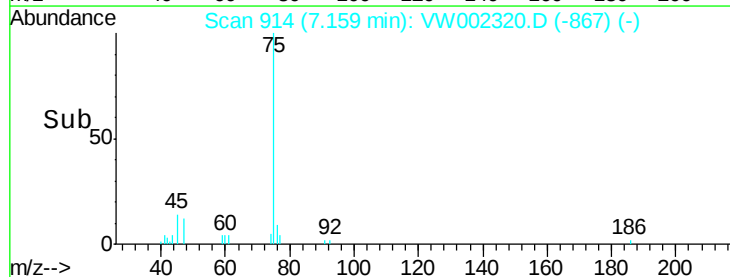
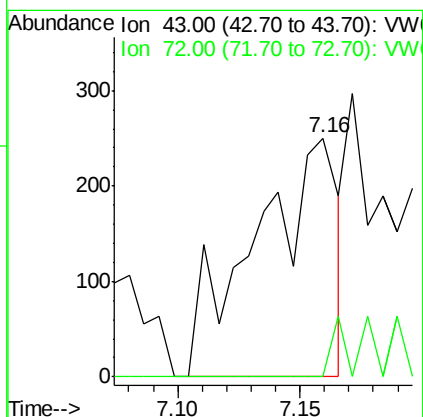
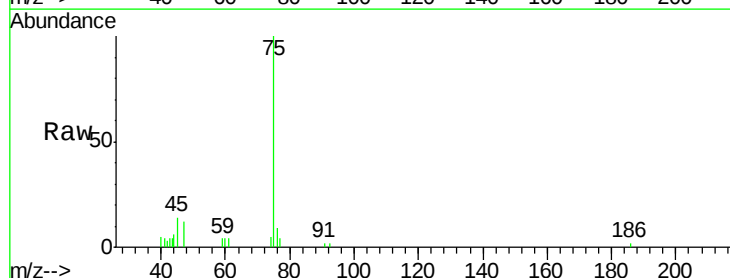
Instrument :
MSVOA_W
ClientSampleId :
PL-02-050418-E

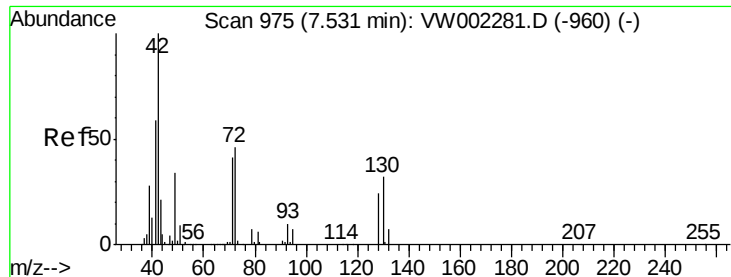
Tgt Ion: 84 Resp: 4845
Ion Ratio Lower Upper
84 100
49 109.0 97.7 146.5
51 45.8 30.2 45.4#
86 75.3 48.9 73.3#



#25
2-Butanone
Concen: 1.72 ug/l
RT: 7.16 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW002320.D
Acq: 09 May 2018 03:45

Tgt Ion: 43 Resp: 582
Ion Ratio Lower Upper
43 100
72 0.0 20.6 31.0#

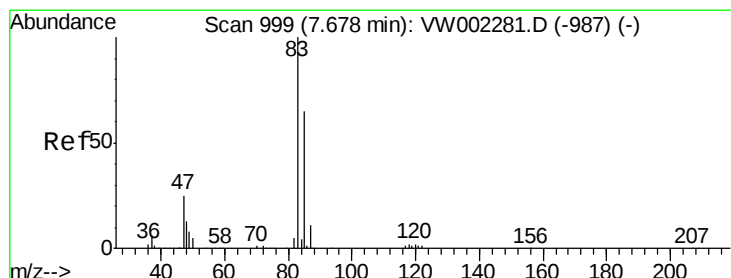
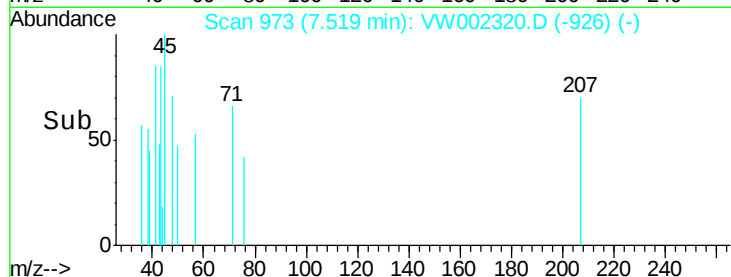
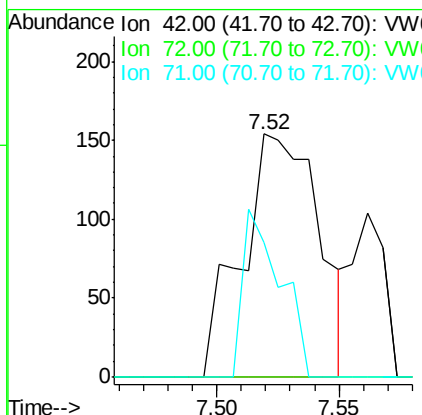
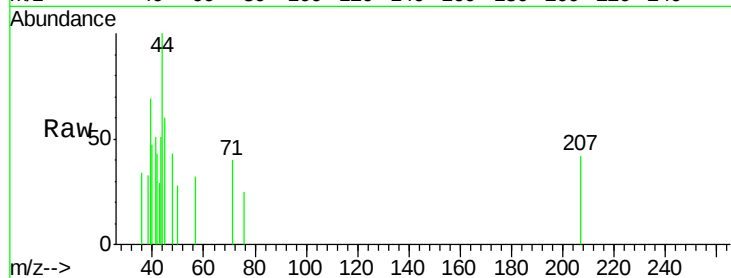




#29
Tetrahydrofuran
Concen: 1.54 ug/l
RT: 7.52 min Scan# 973
Delta R.T. -0.01 min
Lab File: VW002320.D
Acq: 09 May 2018 03:45

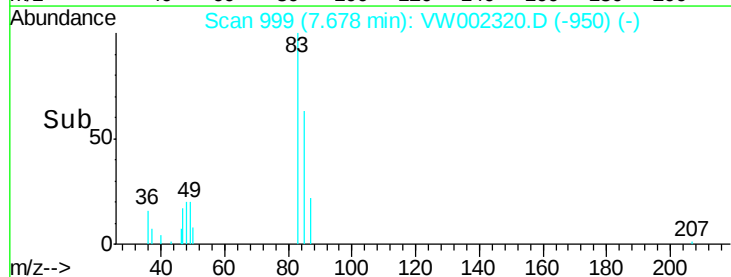
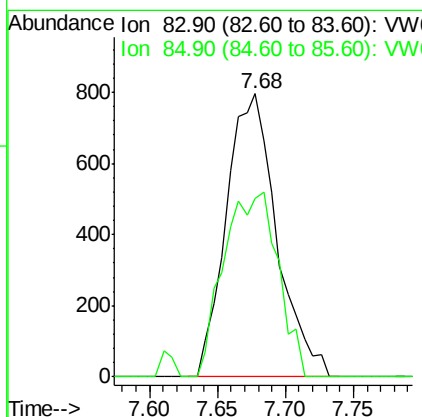
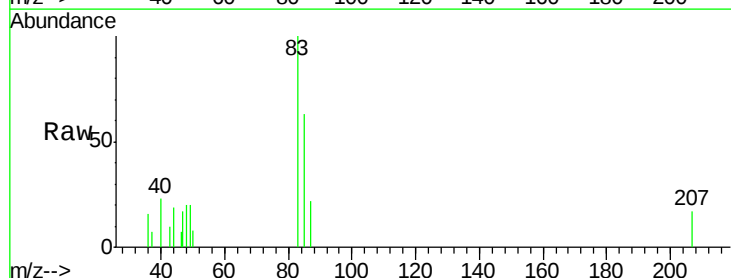
Instrument :
MSVOA_W
ClientSampleId :
PL-02-050418-E

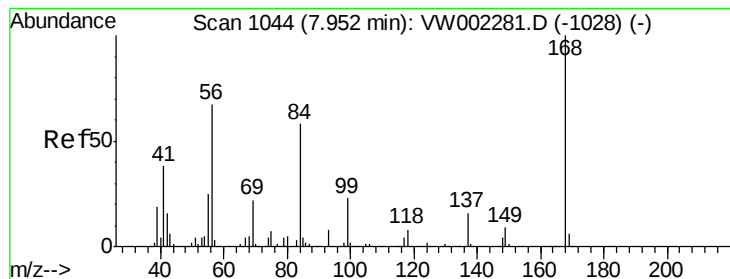
Tgt Ion: 42 Resp: 340
Ion Ratio Lower Upper
42 100
72 0.0 34.5 51.7#
71 33.2 33.0 49.6



#30
Chloroform
Concen: 1.01 ug/l
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW002320.D
Acq: 09 May 2018 03:45

Tgt Ion: 83 Resp: 2058
Ion Ratio Lower Upper
83 100
85 63.2 51.8 77.6





#31

Cyclohexane

Concen: 1.46 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW002320.D

Acq: 09 May 2018 03:45

Instrument :

MSVOA_W

ClientSampleId :

PL-02-050418-E

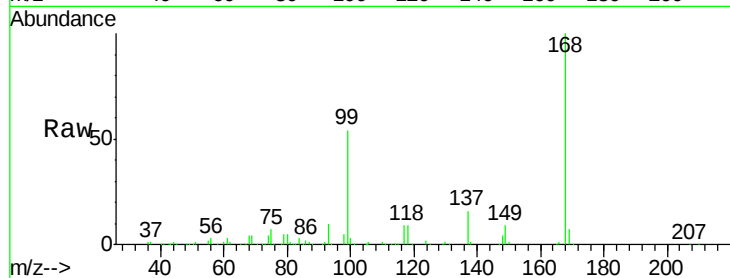
Tgt Ion: 56 Resp: 2530

Ion Ratio Lower Upper

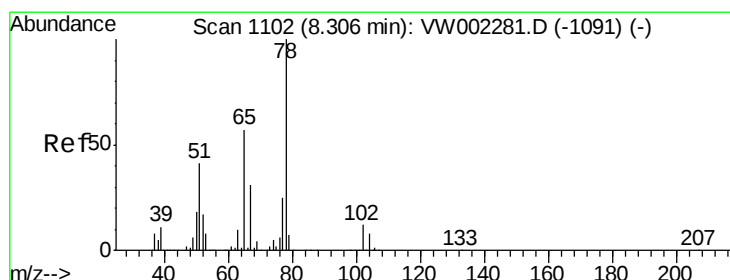
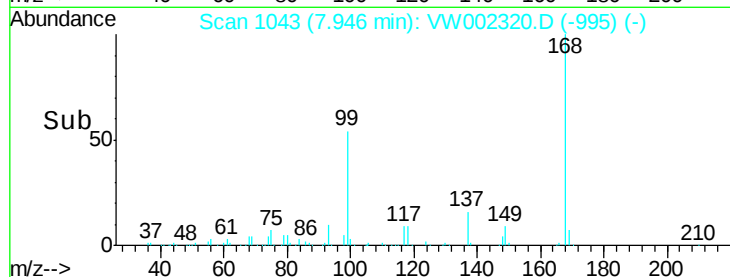
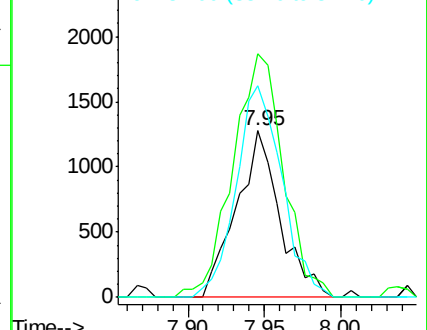
56 100

69 146.1 26.2 39.4#

84 127.2 69.2 103.8#



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



#33

1,2-Dichloroethane-d4

Concen: 46.74 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW002320.D

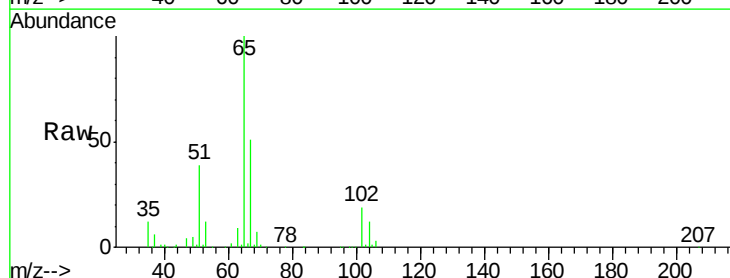
Acq: 09 May 2018 03:45

Tgt Ion: 65 Resp: 54409

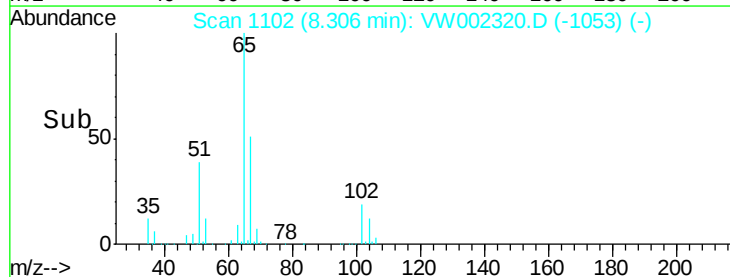
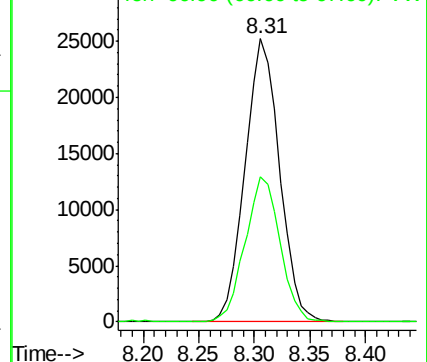
Ion Ratio Lower Upper

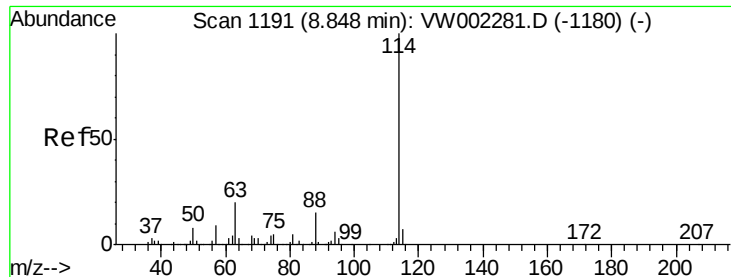
65 100

67 52.1 0.0 107.2



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





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW002320.D

Acq: 09 May 2018 03:45

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PL-02-050418-E

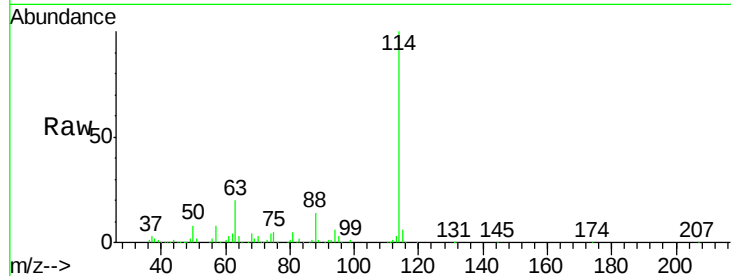
Tgt Ion:114 Resp: 176326

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.0

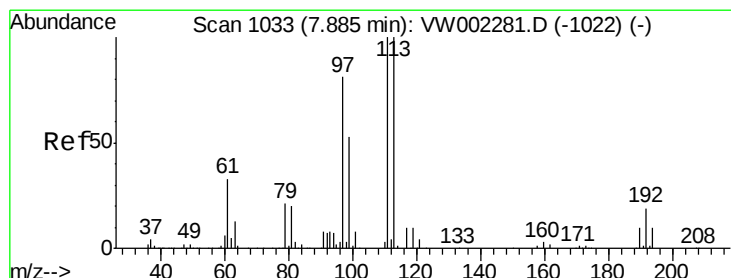
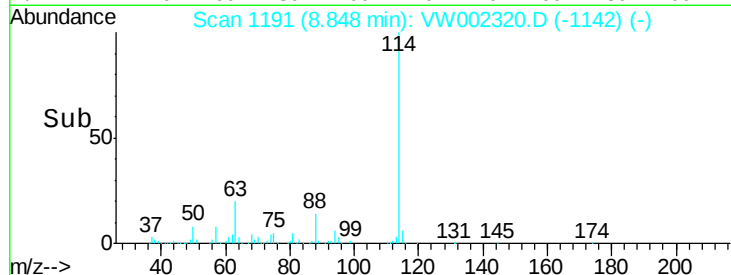
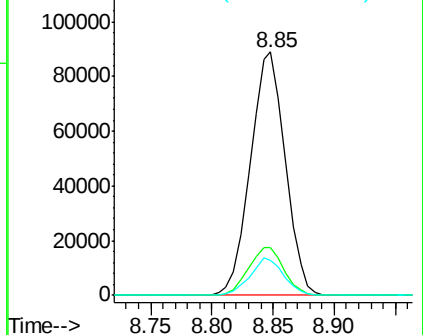
88 14.3 0.0 29.6



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: 45.15 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW002320.D

Acq: 09 May 2018 03:45

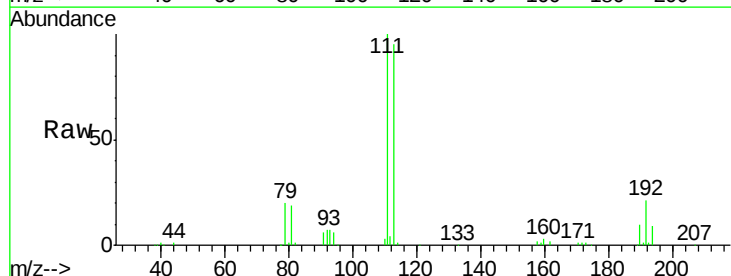
Tgt Ion:113 Resp: 51029

Ion Ratio Lower Upper

113 100

111 103.4 81.5 122.3

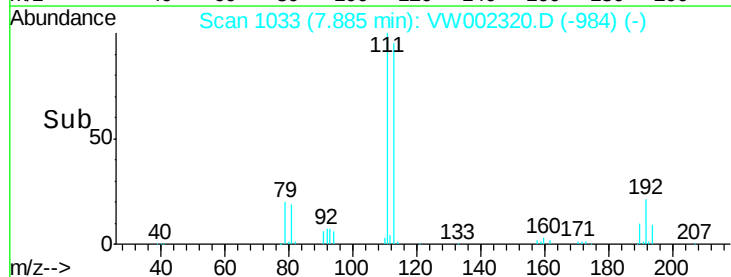
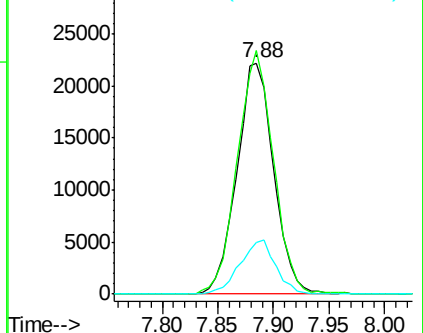
192 22.4 16.4 24.6

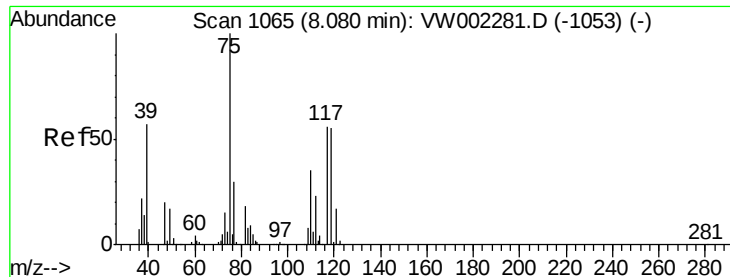


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.12 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW002320.D

Acq: 09 May 2018 03:45

Instrument :

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ClientSampleId :

PL-02-050418-E

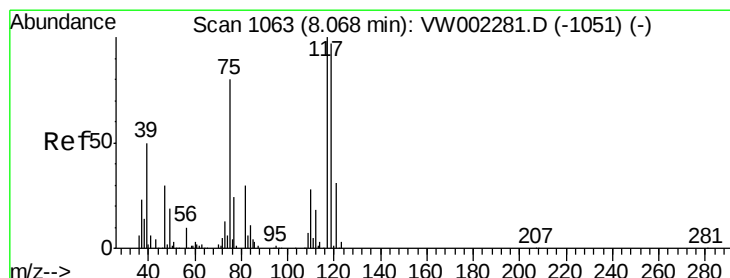
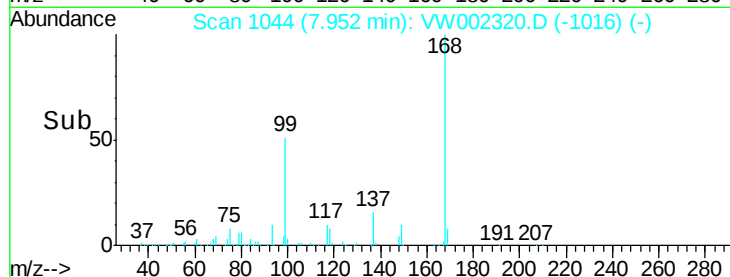
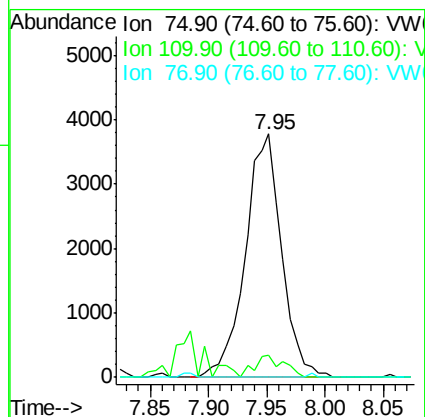
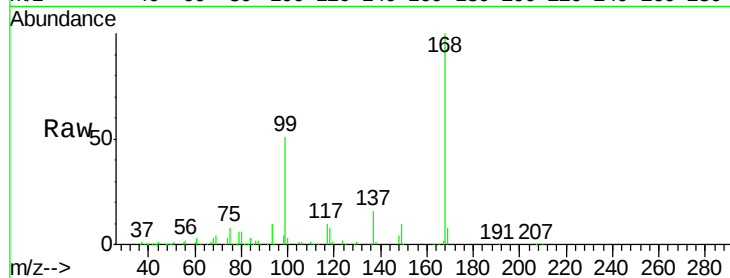
Tgt Ion: 75 Resp: 8157

Ion Ratio Lower Upper

75 100

110 7.2 18.1 54.1#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.86 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW002320.D

Acq: 09 May 2018 03:45

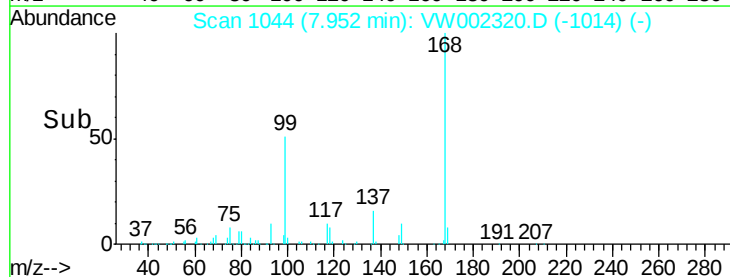
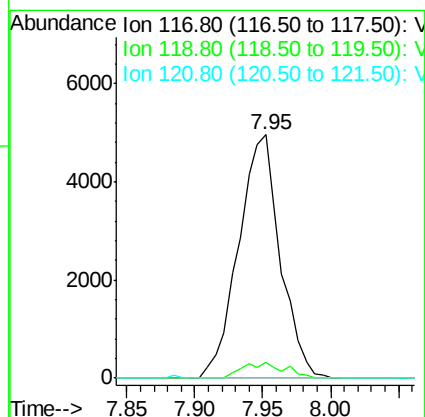
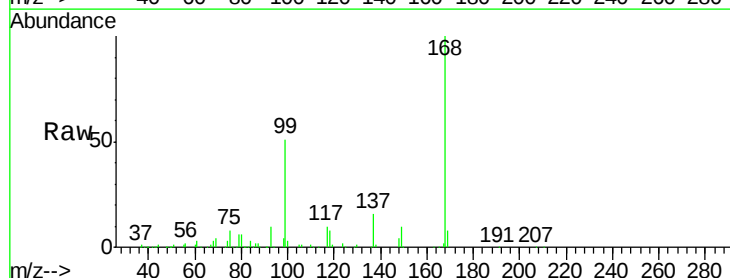
Tgt Ion: 117 Resp: 10573

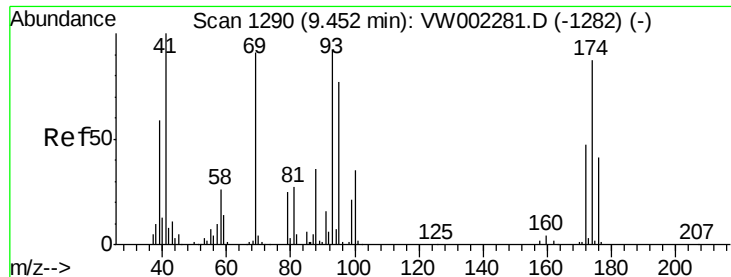
Ion Ratio Lower Upper

117 100

119 6.2 77.5 116.3#

121 0.0 24.4 36.6#

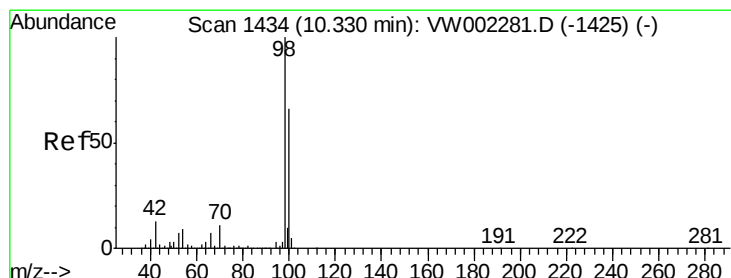
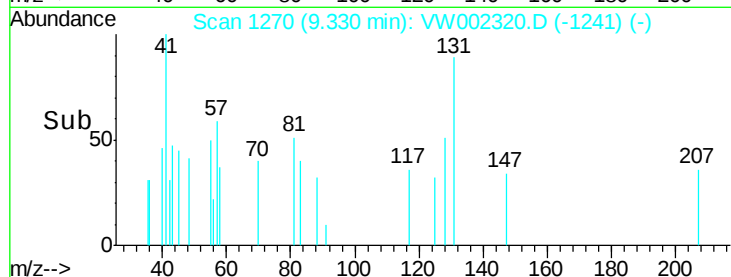
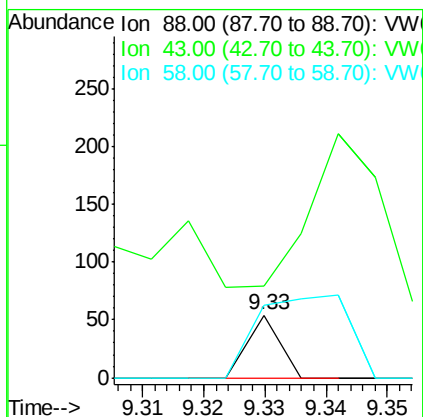
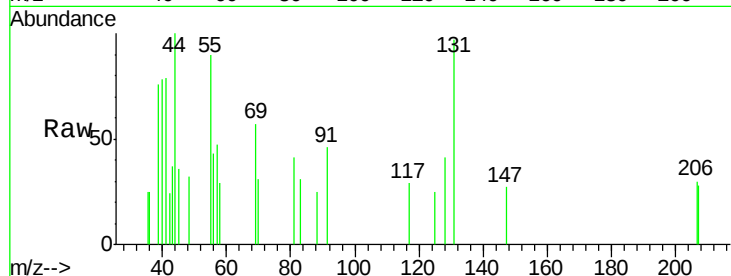




#49
1,4-Dioxane
Concen: 1.93 ug/l
RT: 9.33 min Scan# 1270
Delta R.T. -0.12 min
Lab File: VW002320.D
Acq: 09 May 2018 03:45

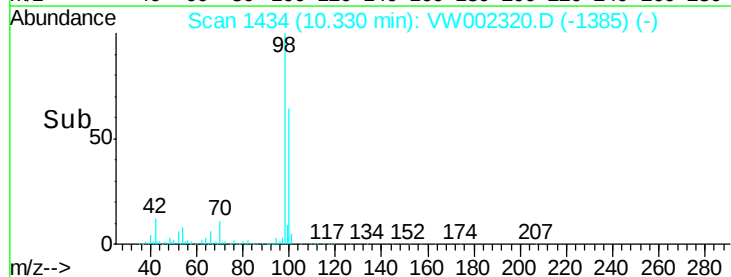
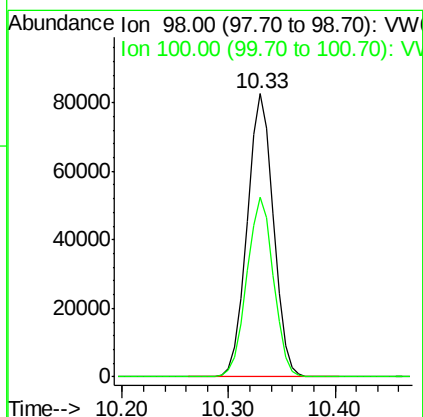
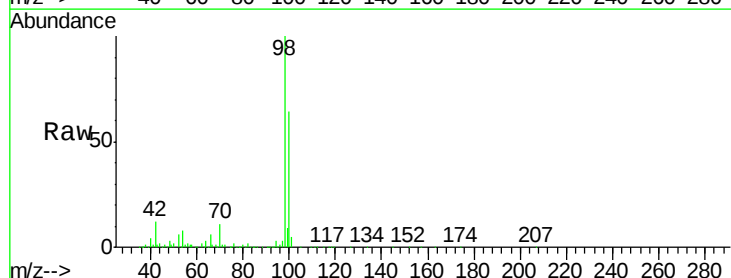
Instrument :
MSVOA_W
ClientSampleId :
PL-02-050418-E

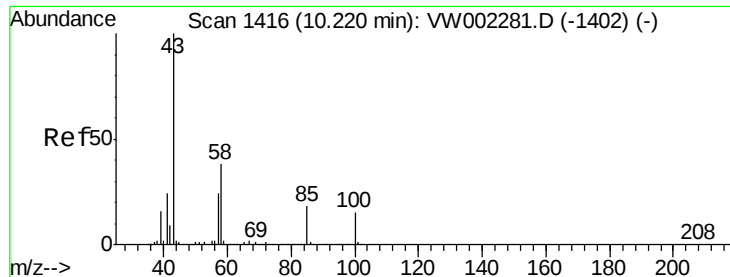
Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 655.0 26.3 39.5#
58 370.0 56.0 84.0#



#50
Toluene-d8
Concen: 33.20 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW002320.D
Acq: 09 May 2018 03:45

Tgt Ion: 98 Resp: 143089
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.2

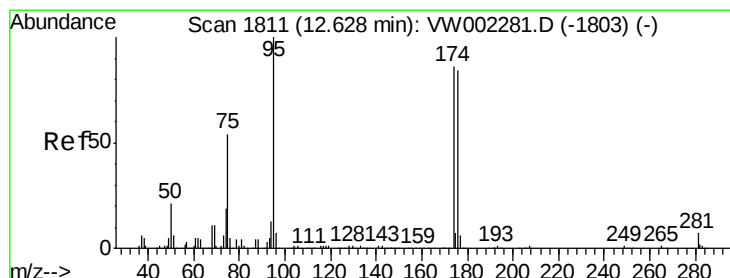
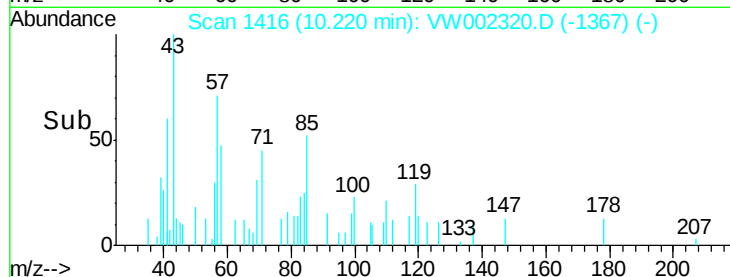
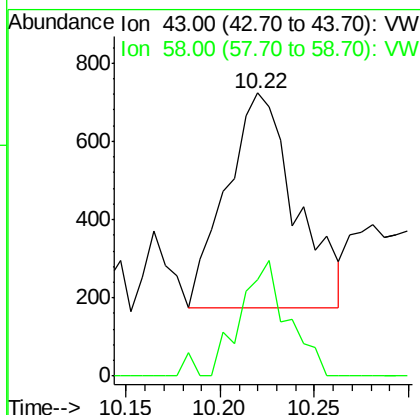
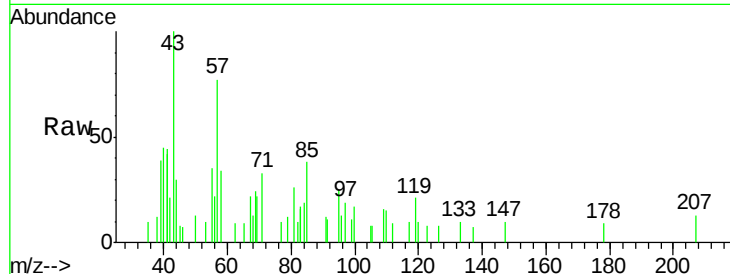




#51
 4-Methyl-2-Pentanone
 Concen: 1.73 ug/l
 RT: 10.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VW002320.D
 Acq: 09 May 2018 03:45

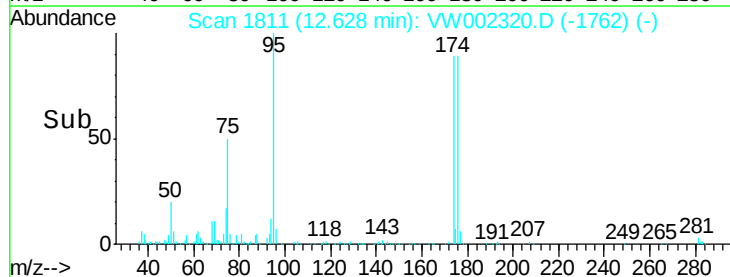
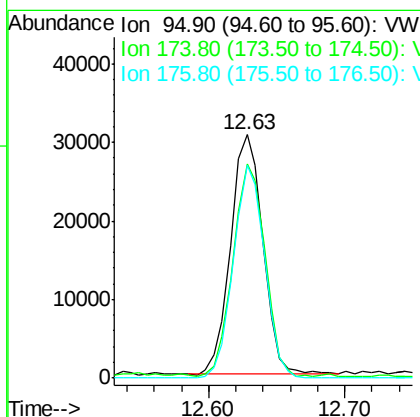
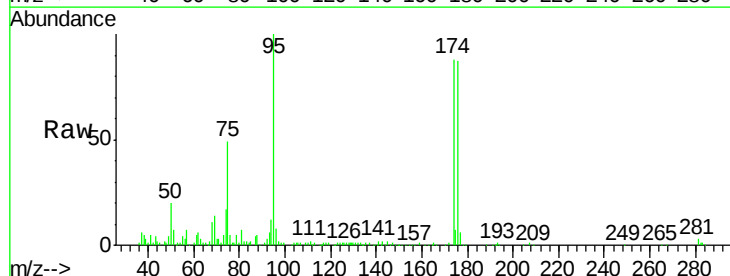
Instrument :
 MSVOA_W
 ClientSampleId :
 PL-02-050418-E

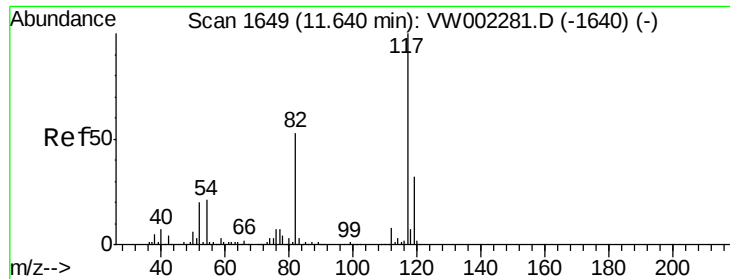
Tgt Ion: 43 Resp: 1406
 Ion Ratio Lower Upper
 43 100
 58 36.3 30.2 45.2



#62
 4-Bromofluorobenzene
 Concen: 31.98 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW002320.D
 Acq: 09 May 2018 03:45

Tgt Ion: 95 Resp: 49802
 Ion Ratio Lower Upper
 95 100
 174 88.2 0.0 176.8
 176 86.9 0.0 170.4

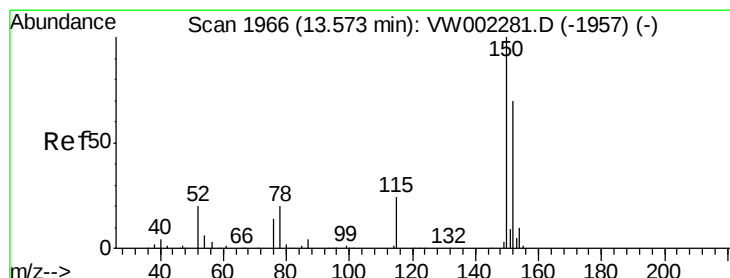
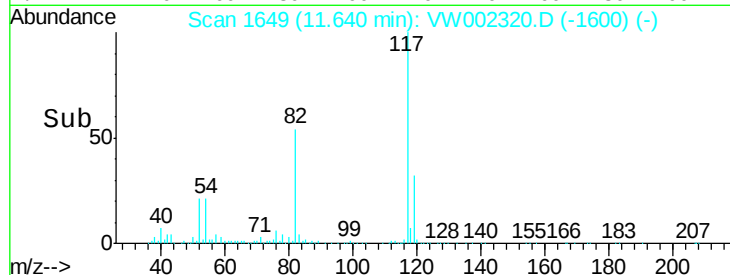
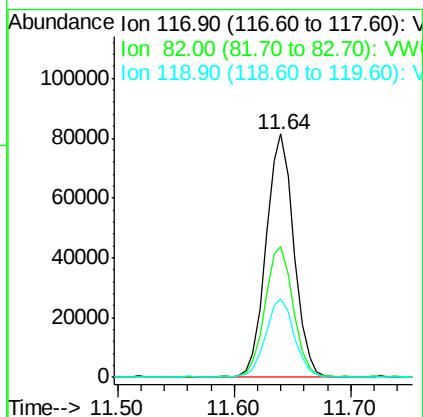
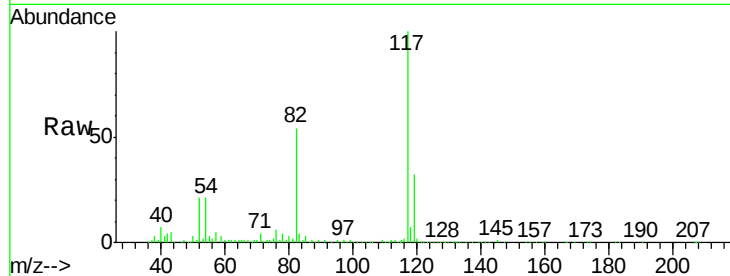




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002320.D
Acq: 09 May 2018 03:45

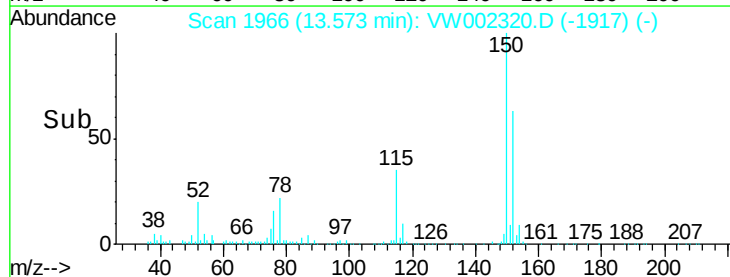
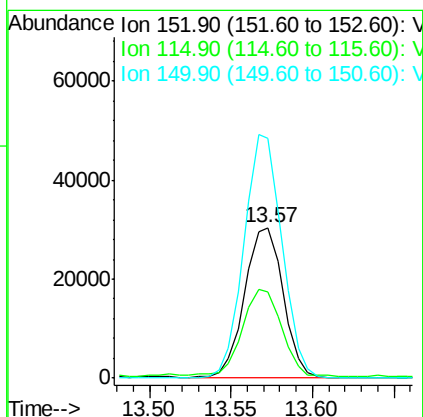
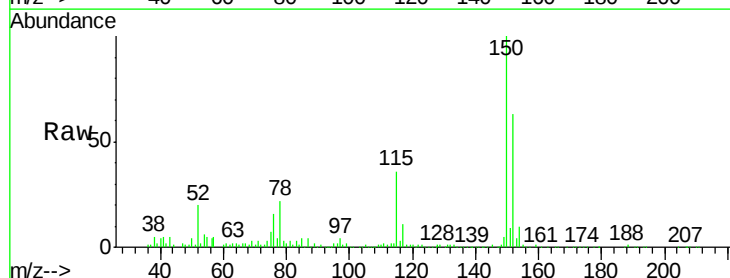
Instrument :
MSVOA_W
ClientSampleId :
PL-02-050418-E

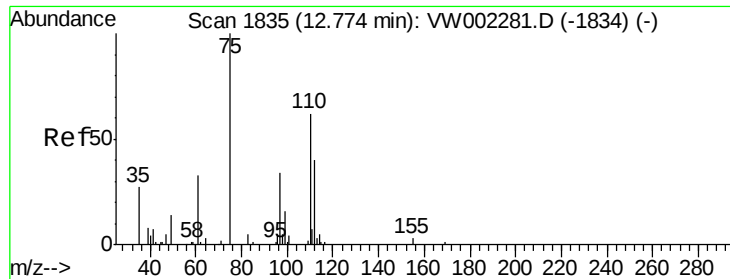
Tgt Ion:117 Resp: 133984
Ion Ratio Lower Upper
117 100
82 53.7 42.6 63.8
119 32.2 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. -0.00 min
Lab File: VW002320.D
Acq: 09 May 2018 03:45

Tgt Ion:152 Resp: 49819
Ion Ratio Lower Upper
152 100
115 60.6 28.5 85.5
150 161.0 0.0 342.6

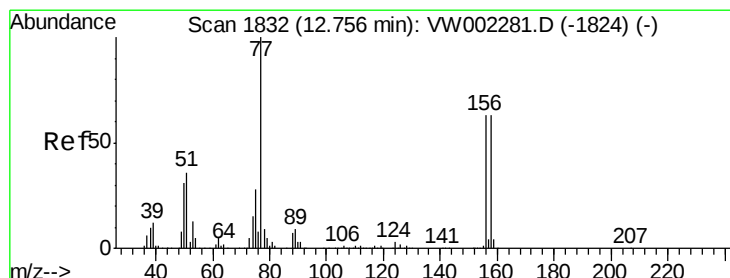
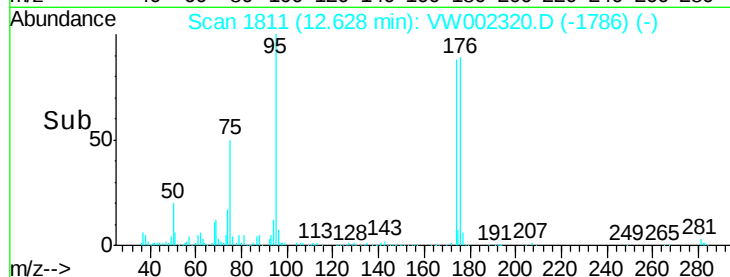
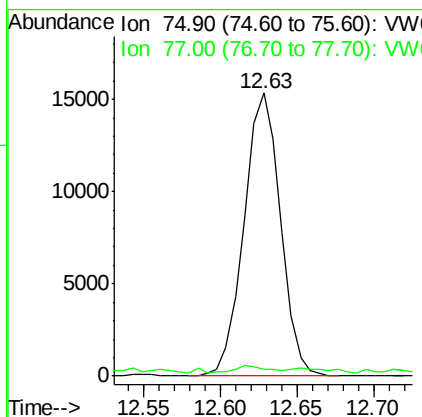
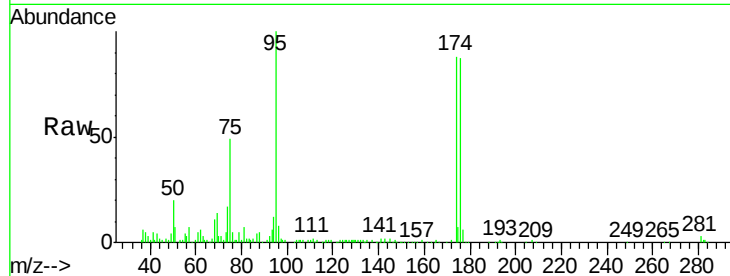




#76
 1,2,3-Trichloropropane
 Concen: 57.44 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.15 min
 Lab File: VW002320.D
 Acq: 09 May 2018 03:45

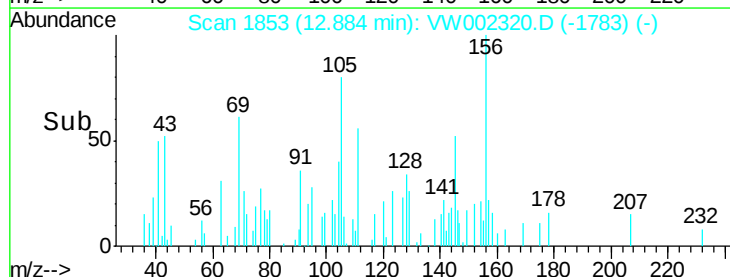
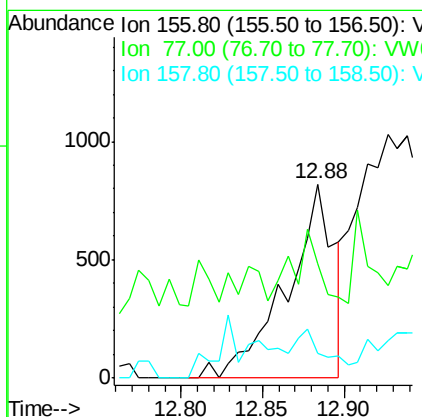
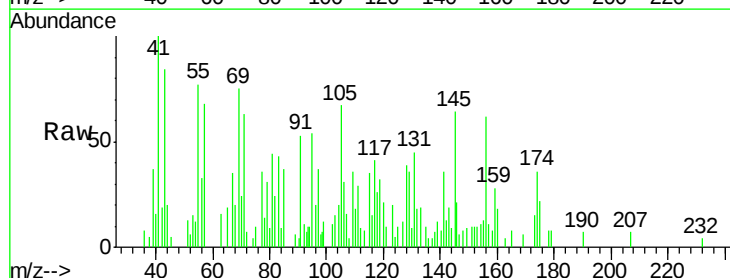
Instrument :
 MSVOA_W
 ClientSampleId :
 PL-02-050418-E

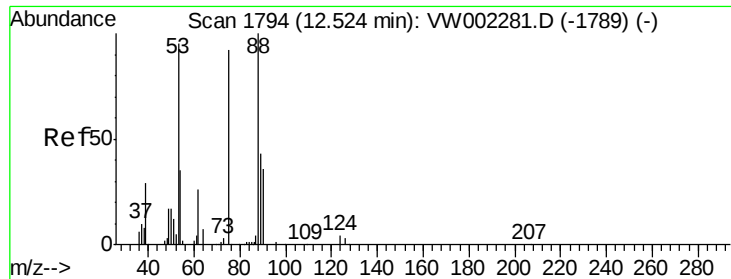
Tgt Ion: 75 Resp: 25375
 Ion Ratio Lower Upper
 75 100
 77 1.7 187.5 562.6#



#77
 Bromobenzene
 Concen: 2.02 ug/l
 RT: 12.88 min Scan# 1853
 Delta R.T. 0.13 min
 Lab File: VW002320.D
 Acq: 09 May 2018 03:45

Tgt Ion: 156 Resp: 1645
 Ion Ratio Lower Upper
 156 100
 77 18.7 87.7 263.1#
 158 15.9 48.6 145.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 151.30 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW002320.D

Acq: 09 May 2018 03:45

Instrument :

MSVOA_W

ClientSampleId :

PL-02-050418-E

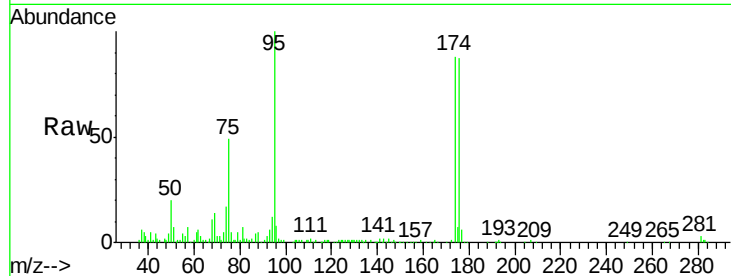
Tgt Ion: 75 Resp: 25375

Ion Ratio Lower Upper

75 100

53 0.3 79.9 119.9#

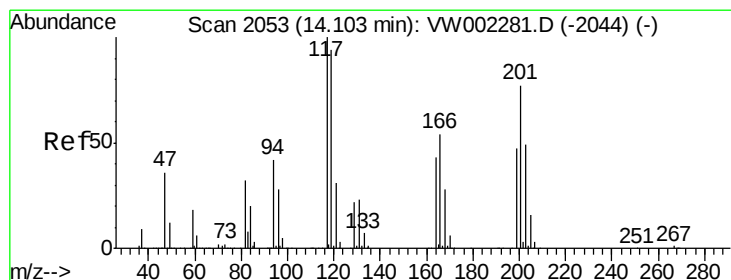
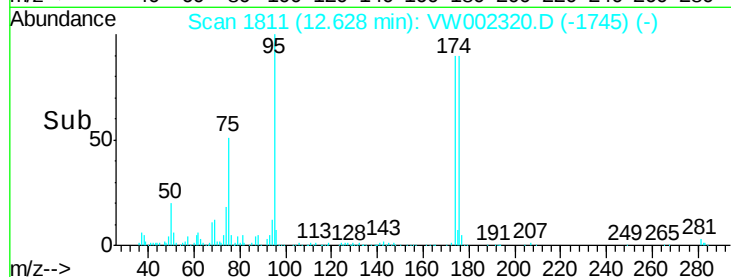
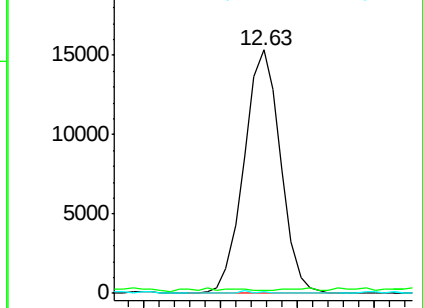
89 0.5 37.6 56.4#



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



#90

Hexachloroethane

Concen: 1.27 ug/l

RT: 14.11 min Scan# 2054

Delta R.T. 0.01 min

Lab File: VW002320.D

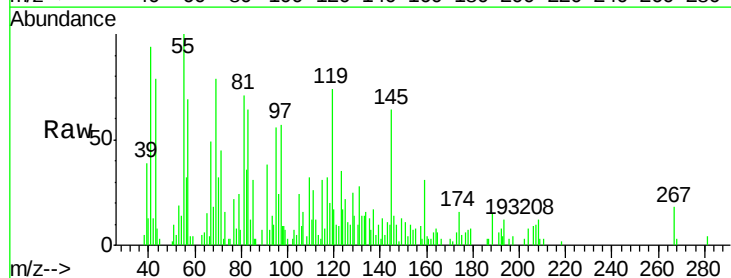
Acq: 09 May 2018 03:45

Tgt Ion: 117 Resp: 677

Ion Ratio Lower Upper

117 100

201 0.0 42.2 126.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

