

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092218\
 Data File : VW005573.D
 Acq On : 21 Sep 2018 20:50
 Operator : VA/AP
 Sample : J4777-17
 Misc : 8.53G/5ML/MSVOA_W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PL-02-0920-18-D

Quant Time: Sep 21 23:17:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

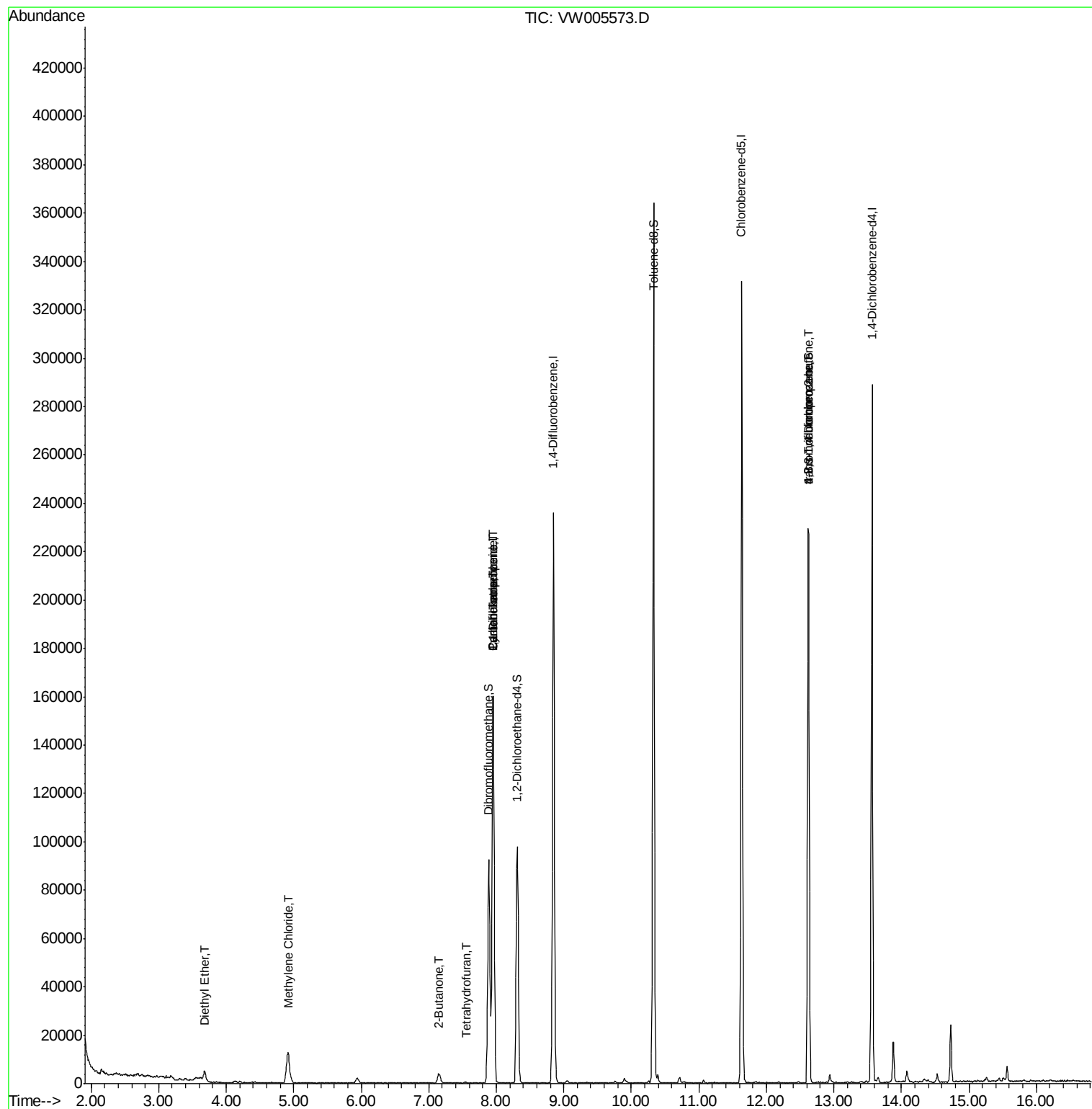
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	119955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	191324	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	182026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	74279	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	82175	58.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.30%	
35) Dibromofluoromethane	7.89	113	64631	53.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.44%	
50) Toluene-d8	10.33	98	232653	47.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.98%	
62) 4-Bromofluorobenzene	12.62	95	72029	39.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.46%	
Target Compounds						
8) Diethyl Ether	3.68	74	2301	3.907	ug/l	78
11) Tert butyl alcohol	5.19	59	44	Below Cal	#	72
13) Acrolein	3.62	56	23	Below Cal	#	15
16) Acetone	4.12	43	1367	Below Cal	#	81
20) Methylene Chloride	4.91	84	10178	4.712	ug/l	97
25) 2-Butanone	7.15	43	362	1.055	ug/l #	50
29) Tetrahydrofuran	7.56	42	306	1.427	ug/l #	40
31) Cyclohexane	7.95	56	2685	1.226	ug/l #	5
36) 1,1-Dichloropropene	7.95	75	9279	4.818	ug/l #	50
38) Carbon Tetrachloride	7.95	117	12123	5.874	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	38432	60.697	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	38432	136.708	ug/l #	7

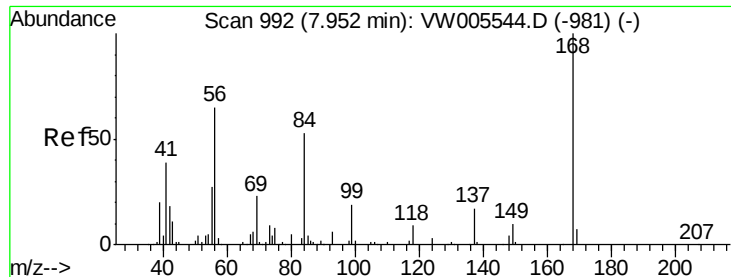
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW005573.D

Acq: 21 Sep 2018 20:50

Instrument :

MSVOA_W

ClientSampleId :

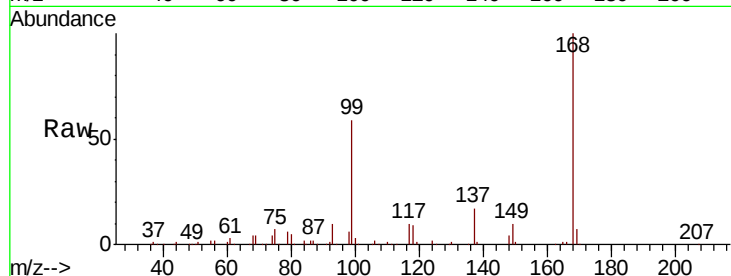
PL-02-0920-18-D

Tgt Ion:168 Resp: 119955

Ion Ratio Lower Upper

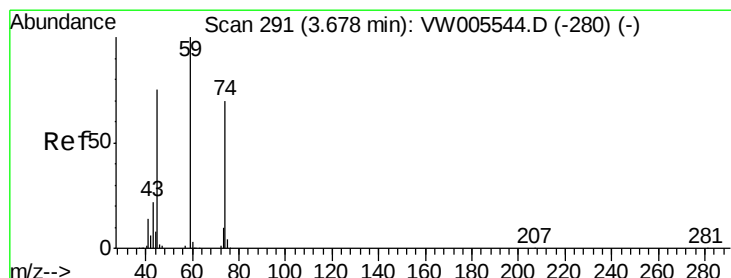
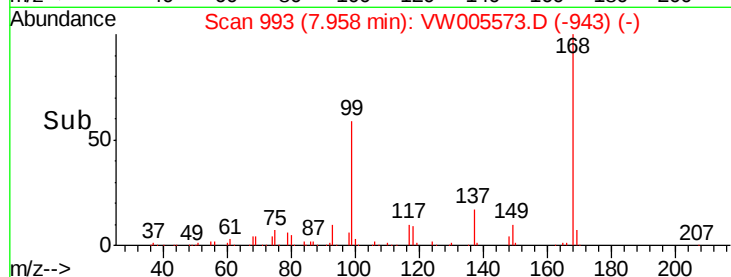
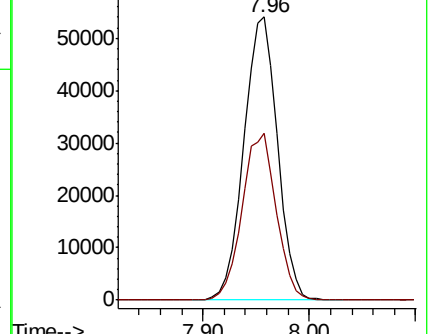
168 100

99 59.0 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 3.907 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW005573.D

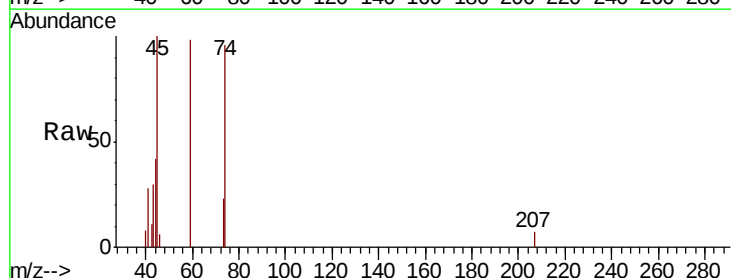
Acq: 21 Sep 2018 20:50

Tgt Ion: 74 Resp: 2301

Ion Ratio Lower Upper

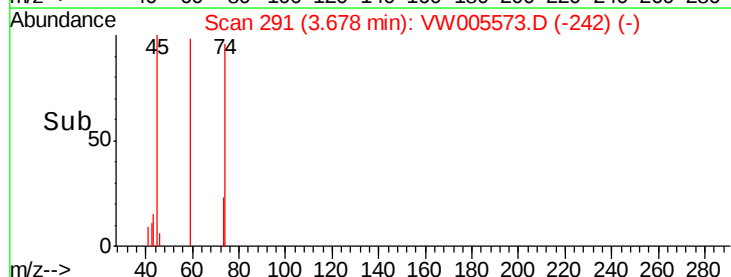
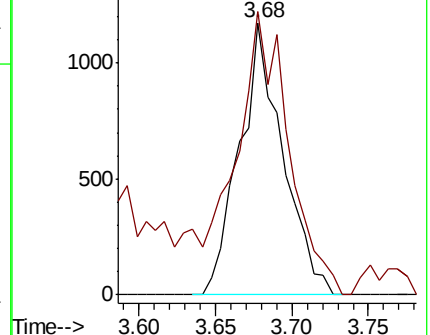
74 100

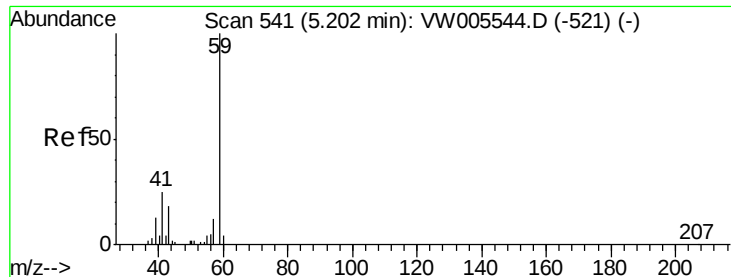
45 125.9 51.7 155.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 539

Delta R.T. -0.01 min

Lab File: VW005573.D

Acq: 21 Sep 2018 20:50

Instrument :

MSVOA_W

ClientSampleId :

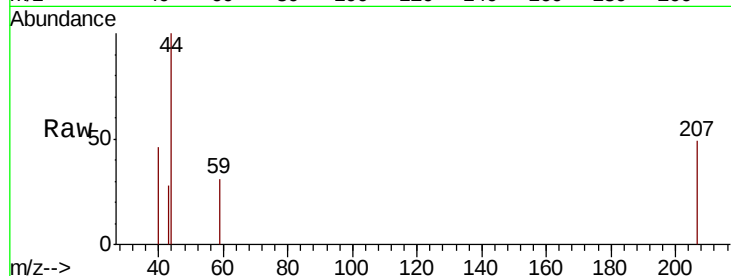
PL-02-0920-18-D

Tgt Ion: 59 Resp: 44

Ion Ratio Lower Upper

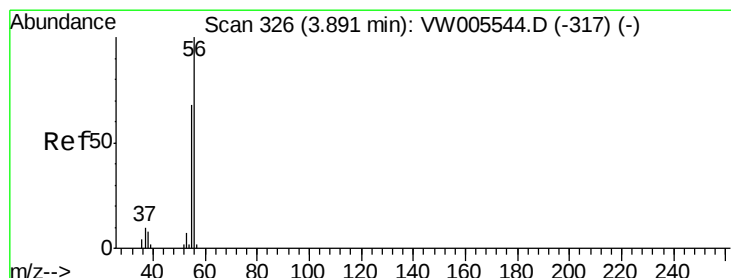
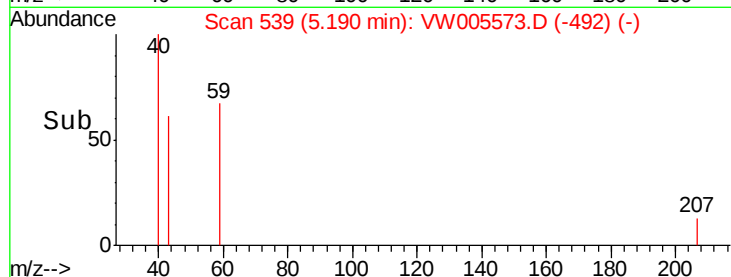
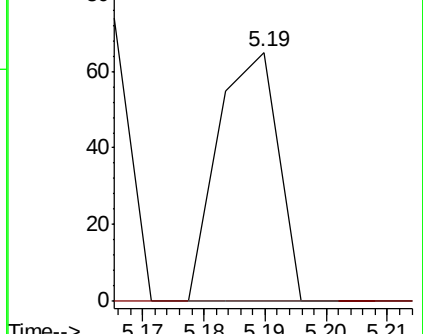
59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#13

Acrolein

Concen: Below Cal

RT: 3.62 min Scan# 282

Delta R.T. -0.27 min

Lab File: VW005573.D

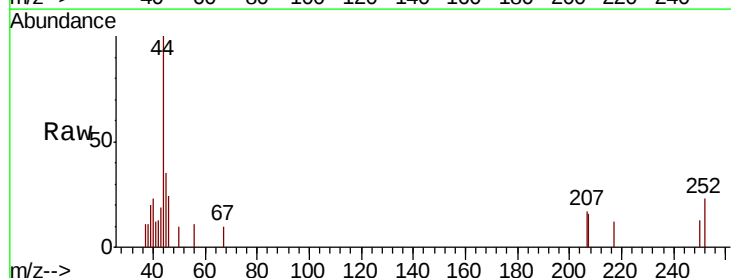
Acq: 21 Sep 2018 20:50

Tgt Ion: 56 Resp: 23

Ion Ratio Lower Upper

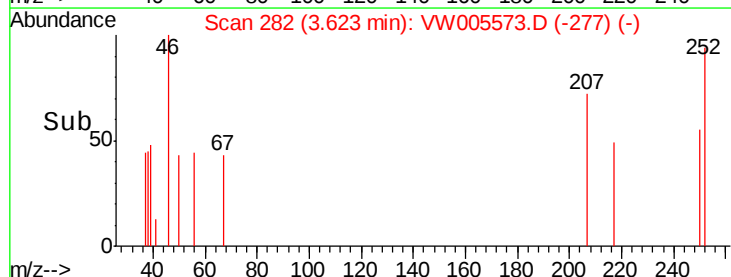
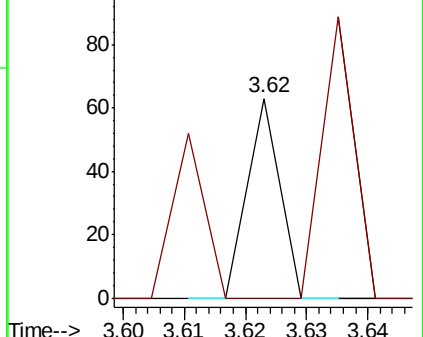
56 100

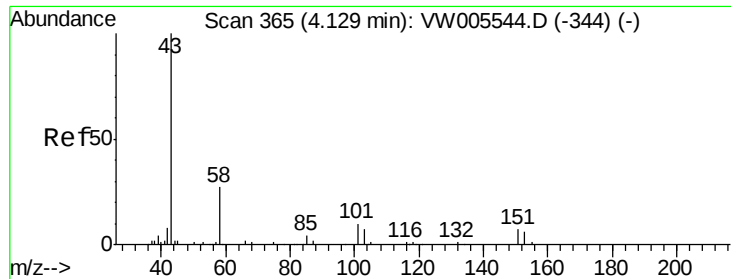
55 143.5 57.8 86.8#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

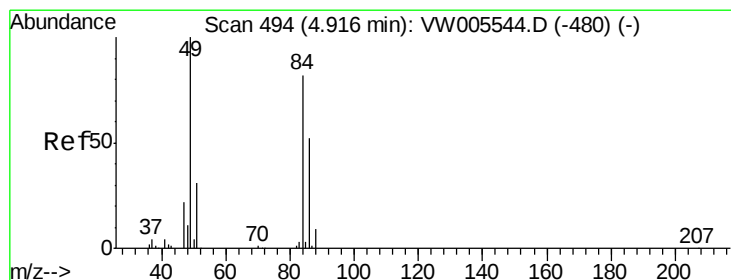
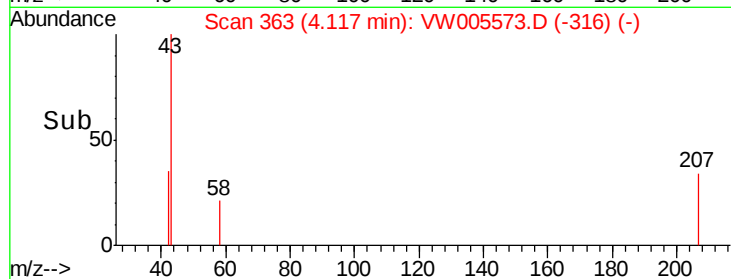
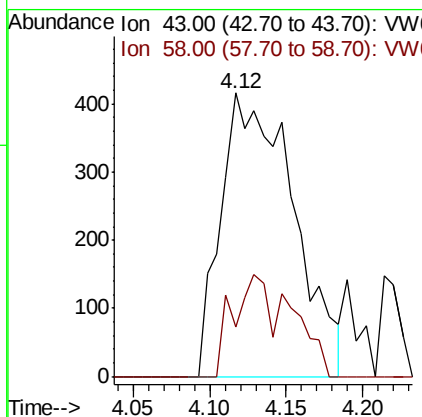
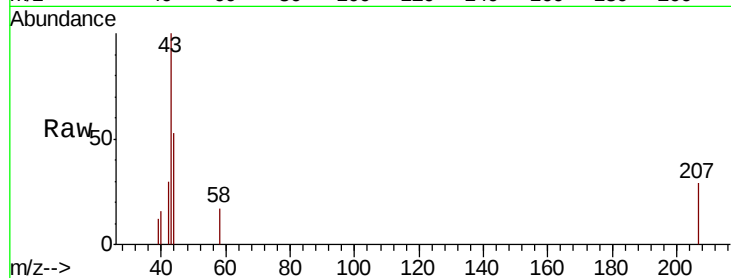




#16
Acetone
Concen: Below Cal
RT: 4.12 min Scan# 363
Delta R.T. -0.01 min
Lab File: VW005573.D
Acq: 21 Sep 2018 20:50

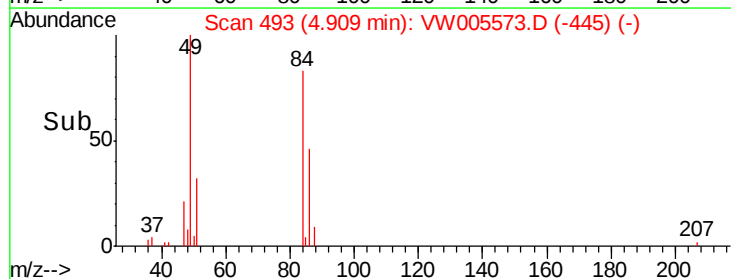
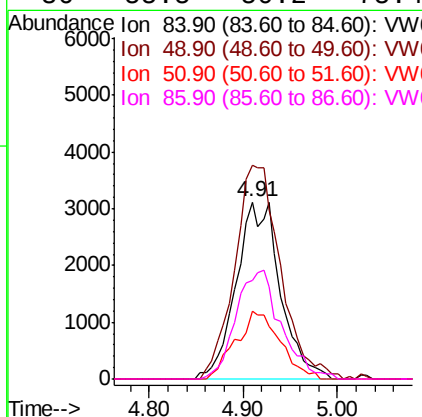
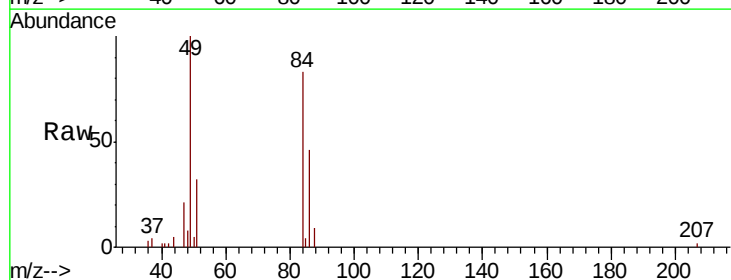
Instrument :
MSVOA_W
ClientSampleId :
PL-02-0920-18-D

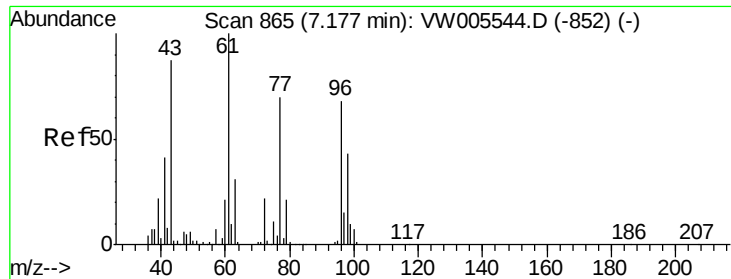
Tgt Ion: 43 Resp: 1367
Ion Ratio Lower Upper
43 100
58 17.3 21.8 32.8#



#20
Methylene Chloride
Concen: 4.712 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW005573.D
Acq: 21 Sep 2018 20:50

Tgt Ion: 84 Resp: 10178
Ion Ratio Lower Upper
84 100
49 120.7 97.0 145.6
51 38.2 30.2 45.2
86 55.5 50.2 75.4





#25

2-Butanone

Concen: 1.055 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW005573.D

Acq: 21 Sep 2018 20:50

Instrument :

MSVOA_W

ClientSampleId :

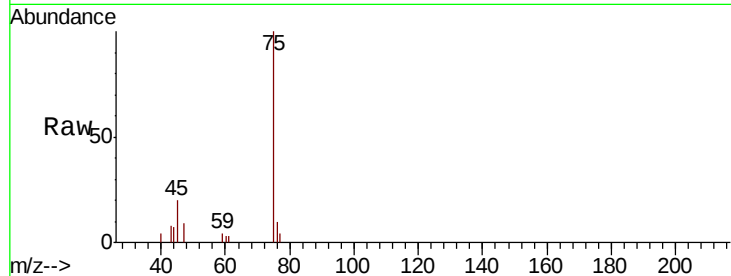
PL-02-0920-18-D

Tgt Ion: 43 Resp: 362

Ion Ratio Lower Upper

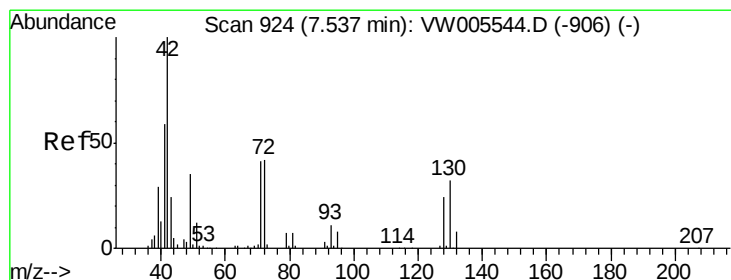
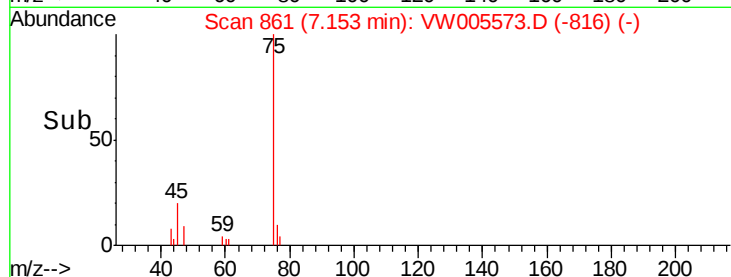
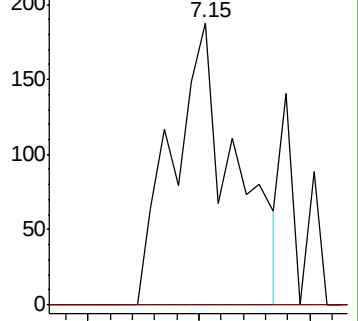
43 100

72 0.0 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#29

Tetrahydrofuran

Concen: 1.427 ug/l

RT: 7.56 min Scan# 927

Delta R.T. 0.02 min

Lab File: VW005573.D

Acq: 21 Sep 2018 20:50

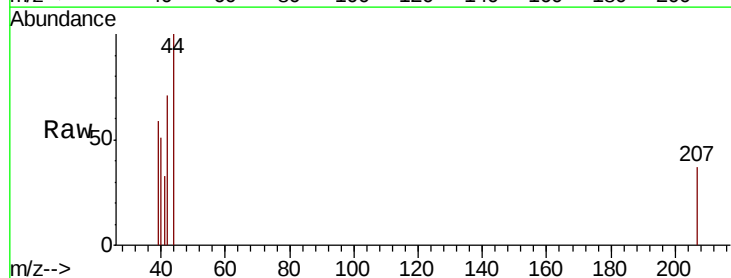
Tgt Ion: 42 Resp: 306

Ion Ratio Lower Upper

42 100

72 0.0 33.6 50.4#

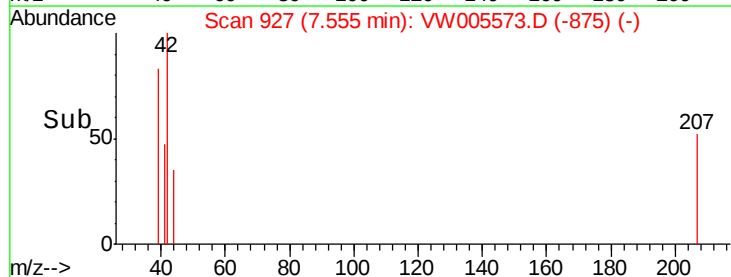
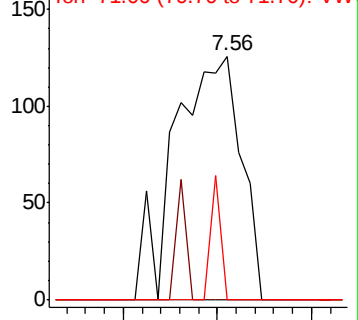
71 7.5 31.8 47.6#

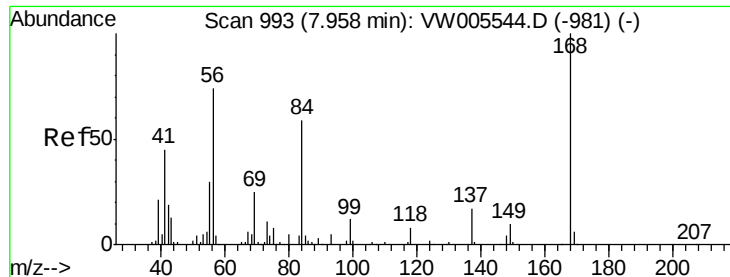


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

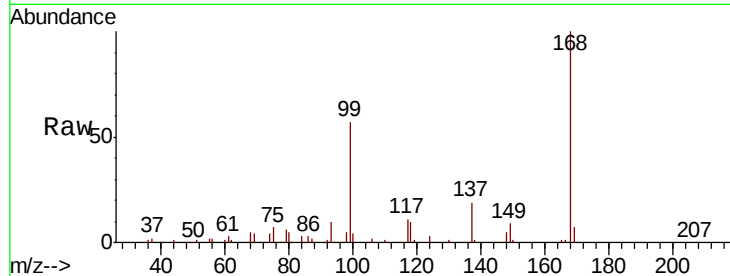




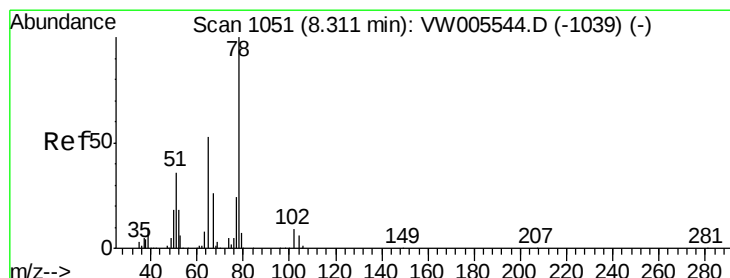
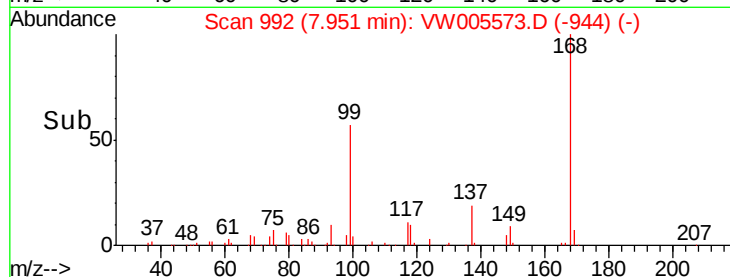
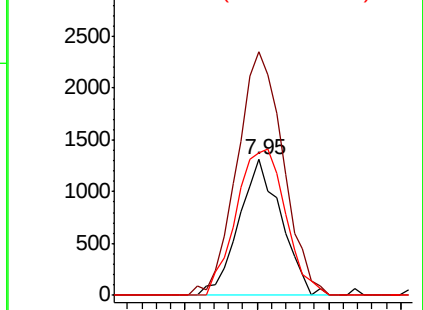
#31
Cyclohexane
Concen: 1.226 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005573.D
Acq: 21 Sep 2018 20:50

Instrument :
MSVOA_W
ClientSampleId :
PL-02-0920-18-D

Tgt Ion: 56 Resp: 2685
Ion Ratio Lower Upper
56 100
69 179.5 27.0 40.4#
84 105.1 64.2 96.4#

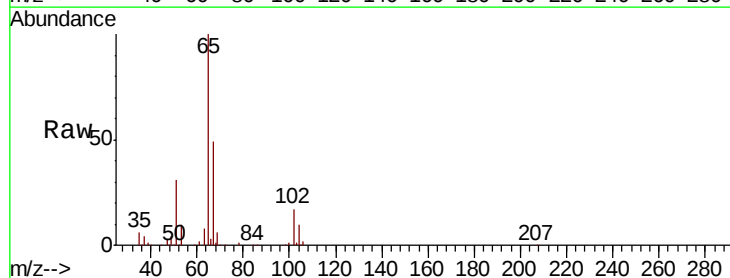


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

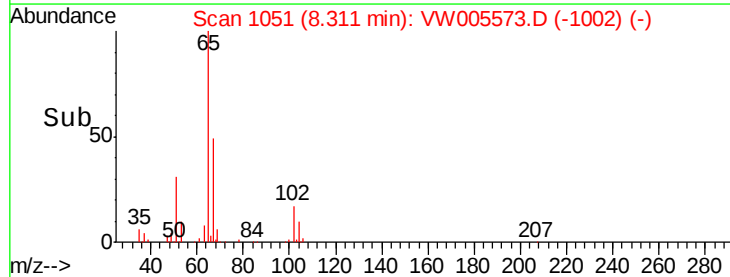
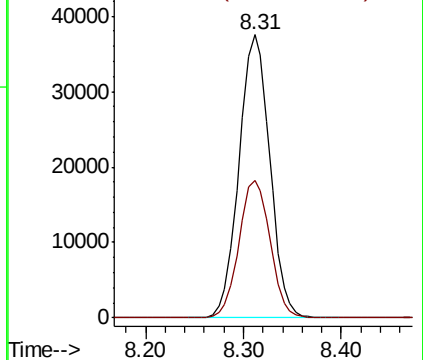


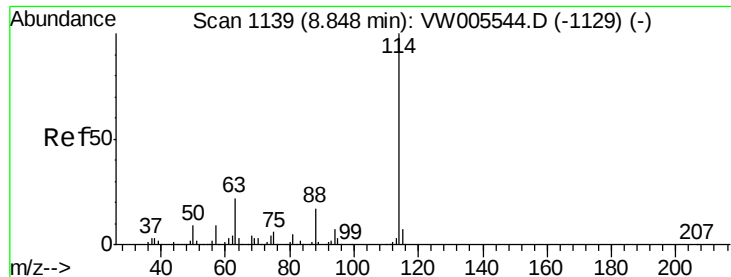
#33
1,2-Dichloroethane-d4
Concen: 58.150 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW005573.D
Acq: 21 Sep 2018 20:50

Tgt Ion: 65 Resp: 82175
Ion Ratio Lower Upper
65 100
67 49.1 0.0 100.6



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

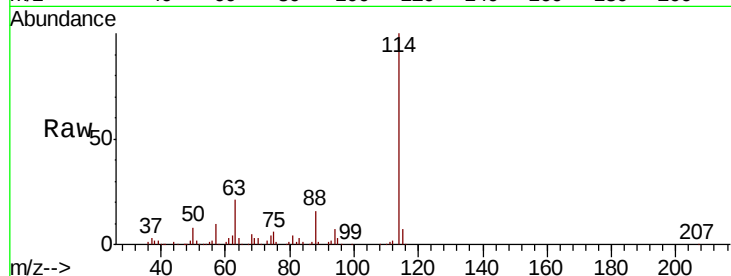




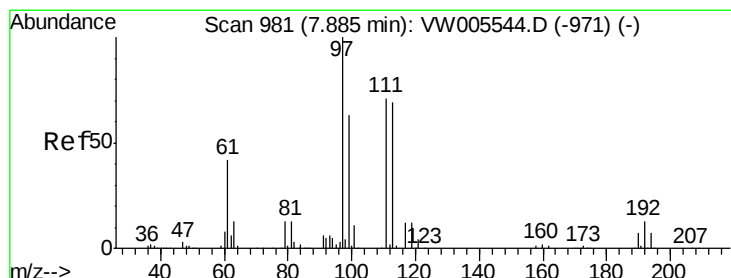
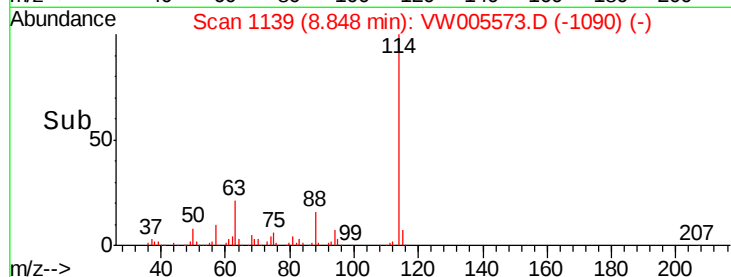
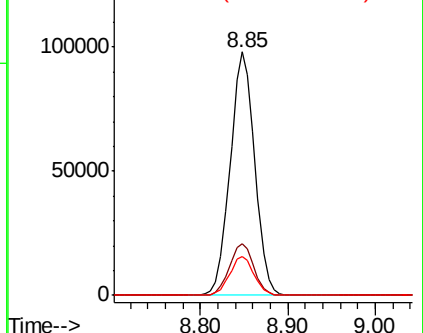
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005573.D
 Acq: 21 Sep 2018 20:50

Instrument :
 MSVOA_W
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 PL-02-0920-18-D

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	43.0
88	15.8	0.0	33.0

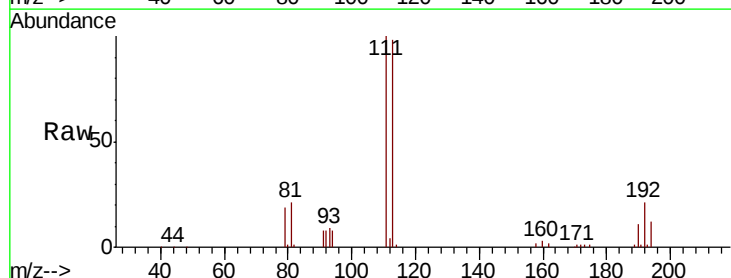


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

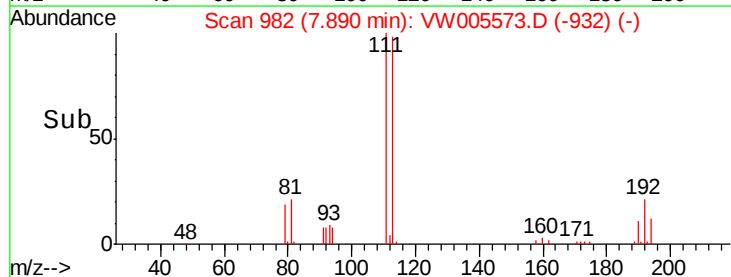
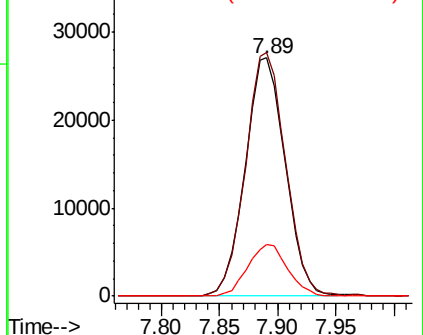


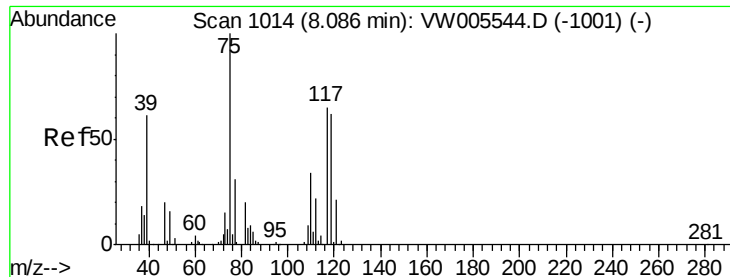
#35
 Dibromofluoromethane
 Concen: 53.718 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW005573.D
 Acq: 21 Sep 2018 20:50

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.6	123.8
192	21.4	17.0	25.4



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

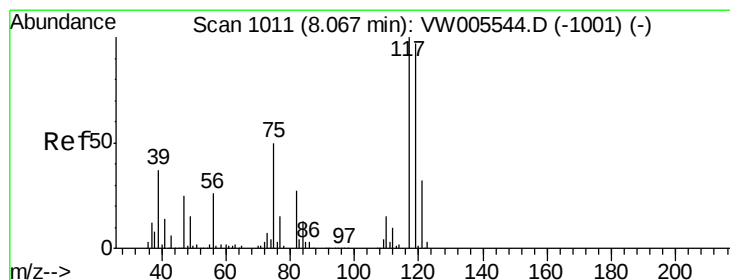
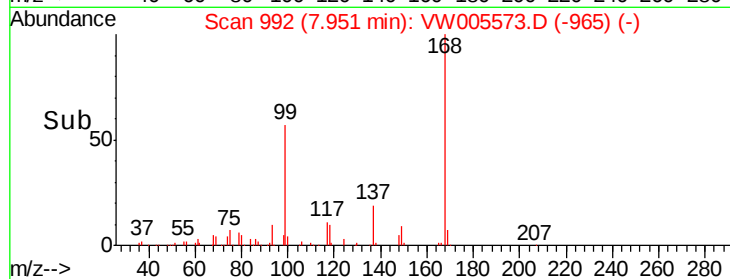
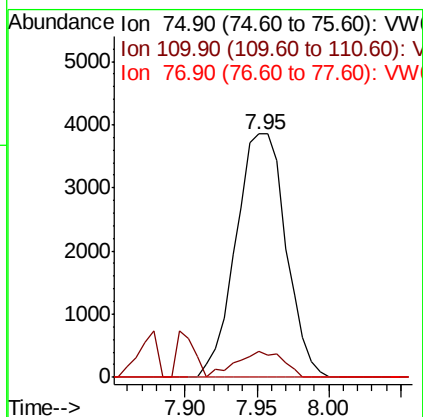
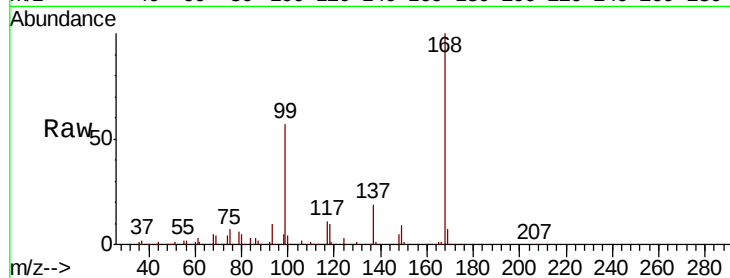




#36
 1,1-Dichloropropene
 Concen: 4.818 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW005573.D
 Acq: 21 Sep 2018 20:50

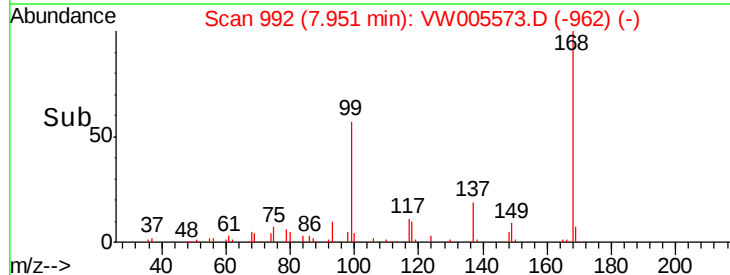
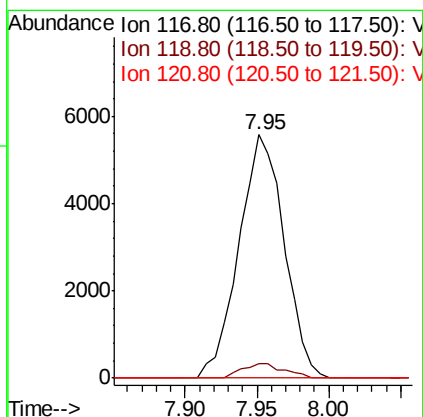
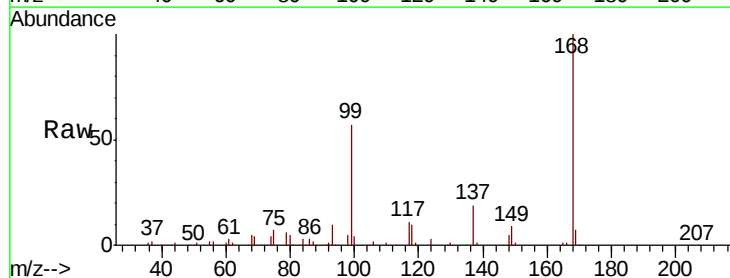
Instrument :
 MSVOA_W
 ClientSampleId :
 PL-02-0920-18-D

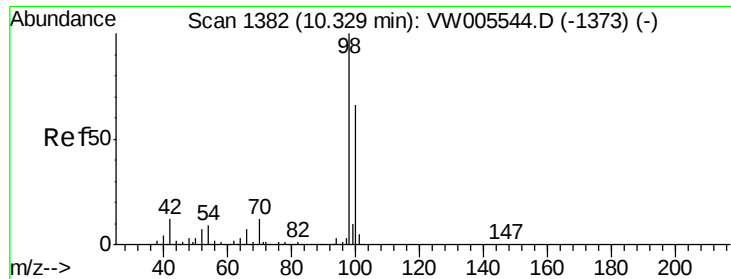
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	17.0	50.9#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 5.874 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW005573.D
 Acq: 21 Sep 2018 20:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	77.6	116.4#
121	0.0	25.7	38.5#





#50

Toluene-d8

Concen: 47.490 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005573.D

Acq: 21 Sep 2018 20:50

Instrument :

MSVOA_W

ClientSampleId :

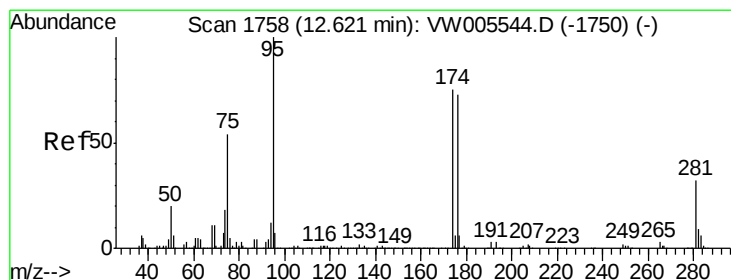
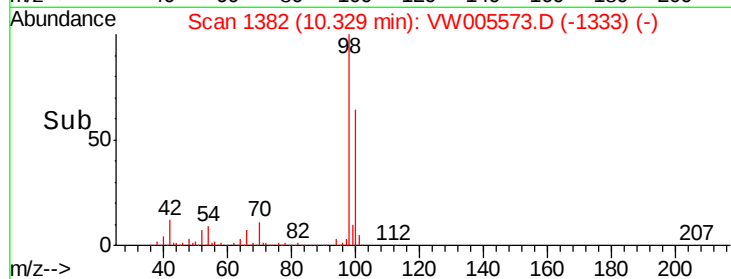
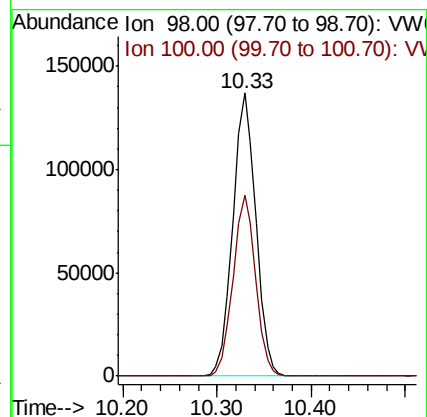
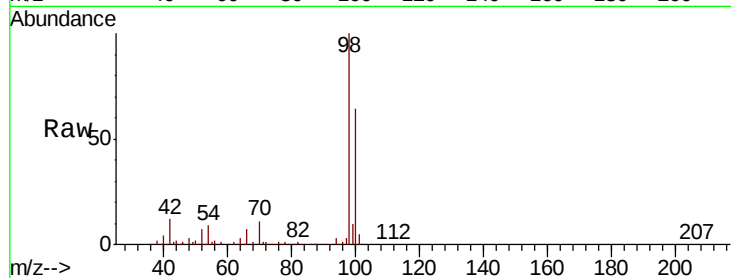
PL-02-0920-18-D

Tgt Ion: 98 Resp: 232653

Ion Ratio Lower Upper

98 100

100 62.5 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 39.735 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW005573.D

Acq: 21 Sep 2018 20:50

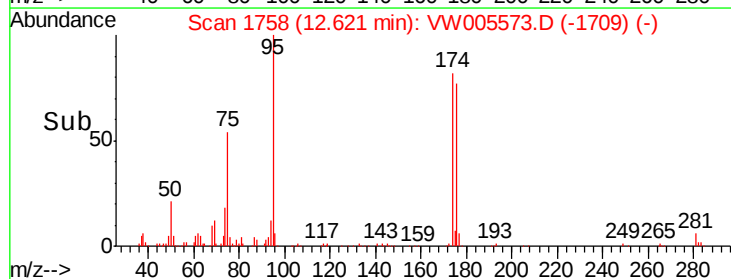
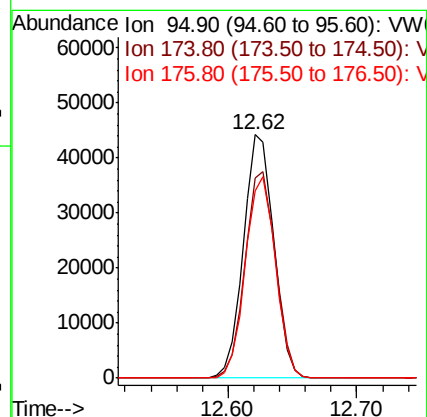
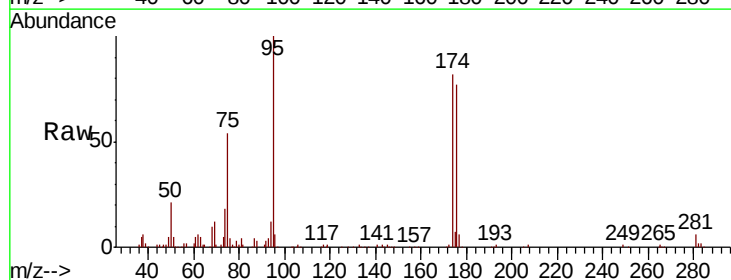
Tgt Ion: 95 Resp: 72029

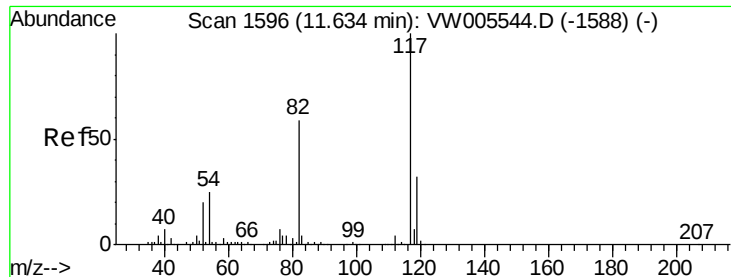
Ion Ratio Lower Upper

95 100

174 85.4 0.0 163.8

176 81.8 0.0 158.0

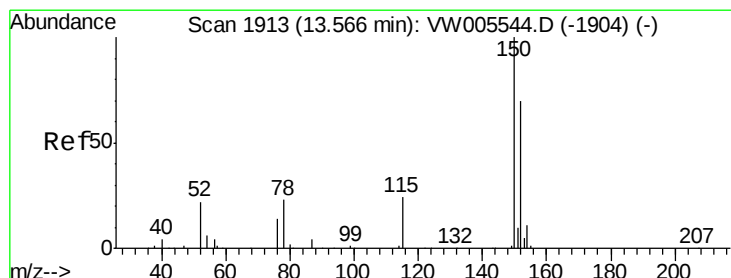
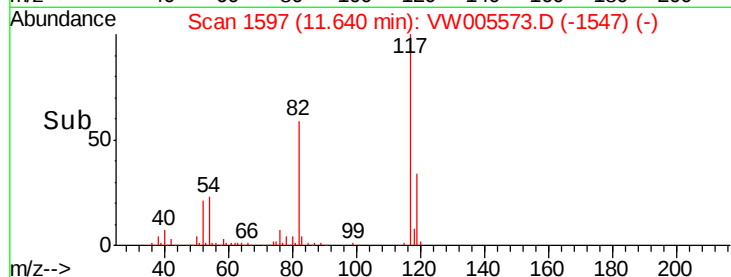
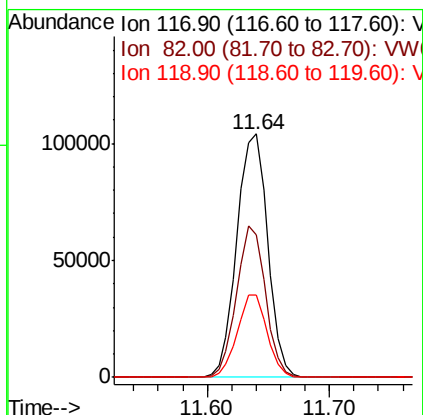
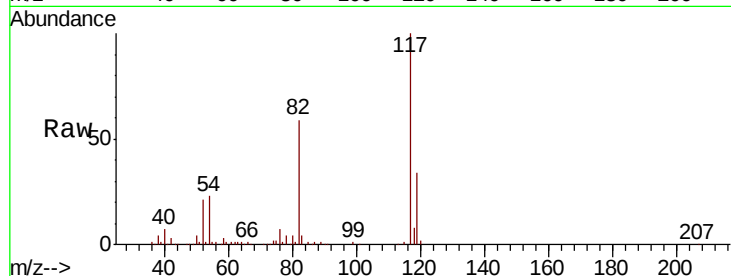




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VW005573.D
Acq: 21 Sep 2018 20:50

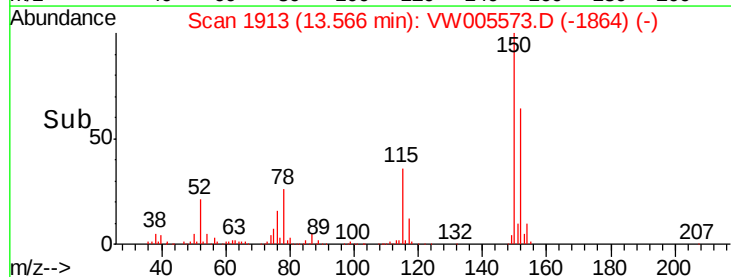
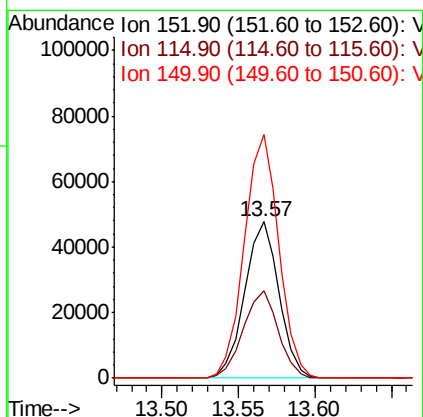
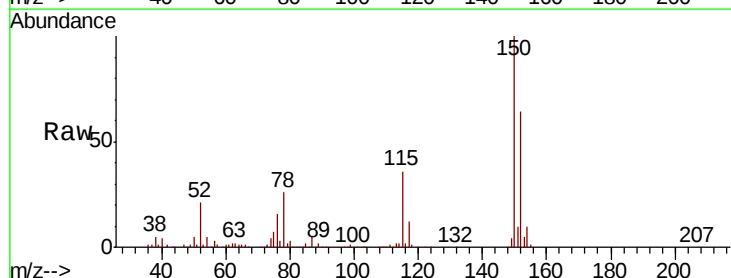
Instrument :
MSVOA_W
ClientSampleId :
PL-02-0920-18-D

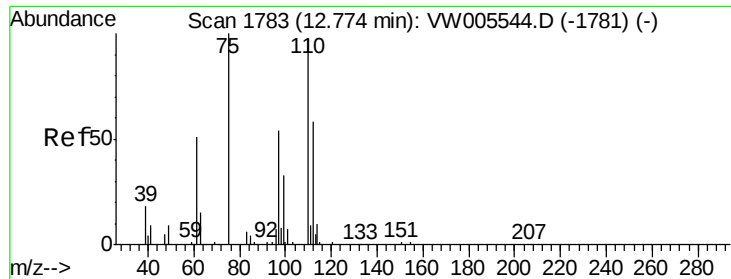
Tgt Ion:117 Resp: 182026
Ion Ratio Lower Upper
117 100
82 58.5 46.9 70.3
119 33.6 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005573.D
Acq: 21 Sep 2018 20:50

Tgt Ion:152 Resp: 74279
Ion Ratio Lower Upper
152 100
115 57.2 30.0 90.0
150 156.6 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 60.697 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005573.D

Acq: 21 Sep 2018 20:50

Instrument :

MSVOA_W

ClientSampleId :

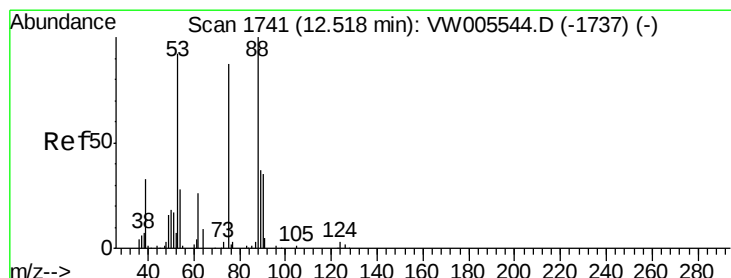
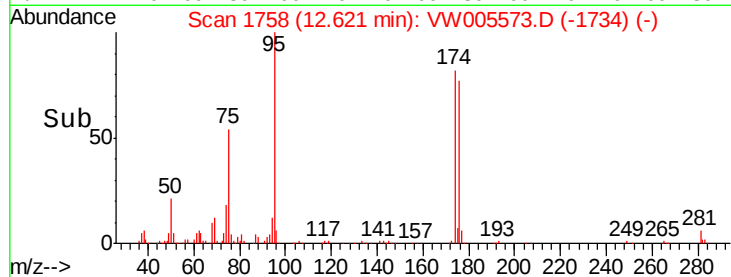
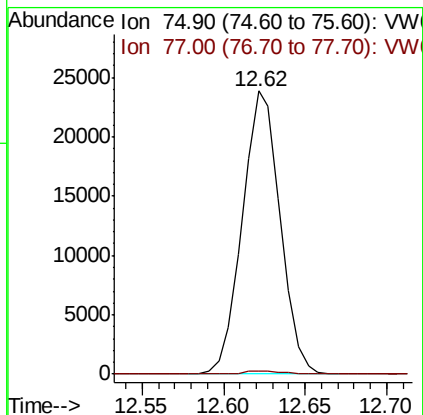
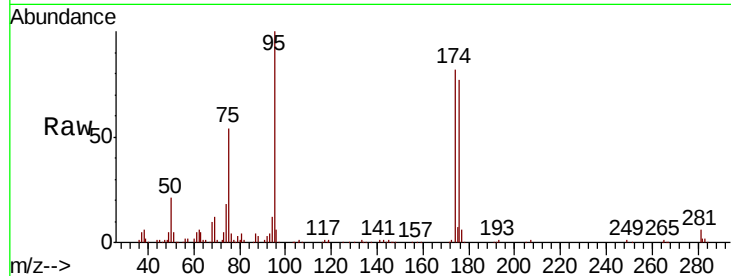
PL-02-0920-18-D

Tgt Ion: 75 Resp: 38432

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 136.708 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005573.D

Acq: 21 Sep 2018 20:50

Tgt Ion: 75 Resp: 38432

Ion Ratio Lower Upper

75 100

53 0.5 85.8 128.6#

89 0.0 37.3 55.9#

