

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW050818\
 Data File : VW002322.D
 Acq On : 09 May 2018 04:35
 Operator : JC/SY
 Sample : J2759-04
 Misc : 4.75G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-2A-COMP

Quant Time: May 09 08:34:23 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	119555	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	184986	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	131957	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	39360	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	56999	44.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.80%	
35) Dibromofluoromethane	7.89	113	2372	2.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	4.00%	
50) Toluene-d8	10.33	98	157981	34.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.88%	
62) 4-Bromofluorobenzene	12.63	95	40573	24.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	49.66%	

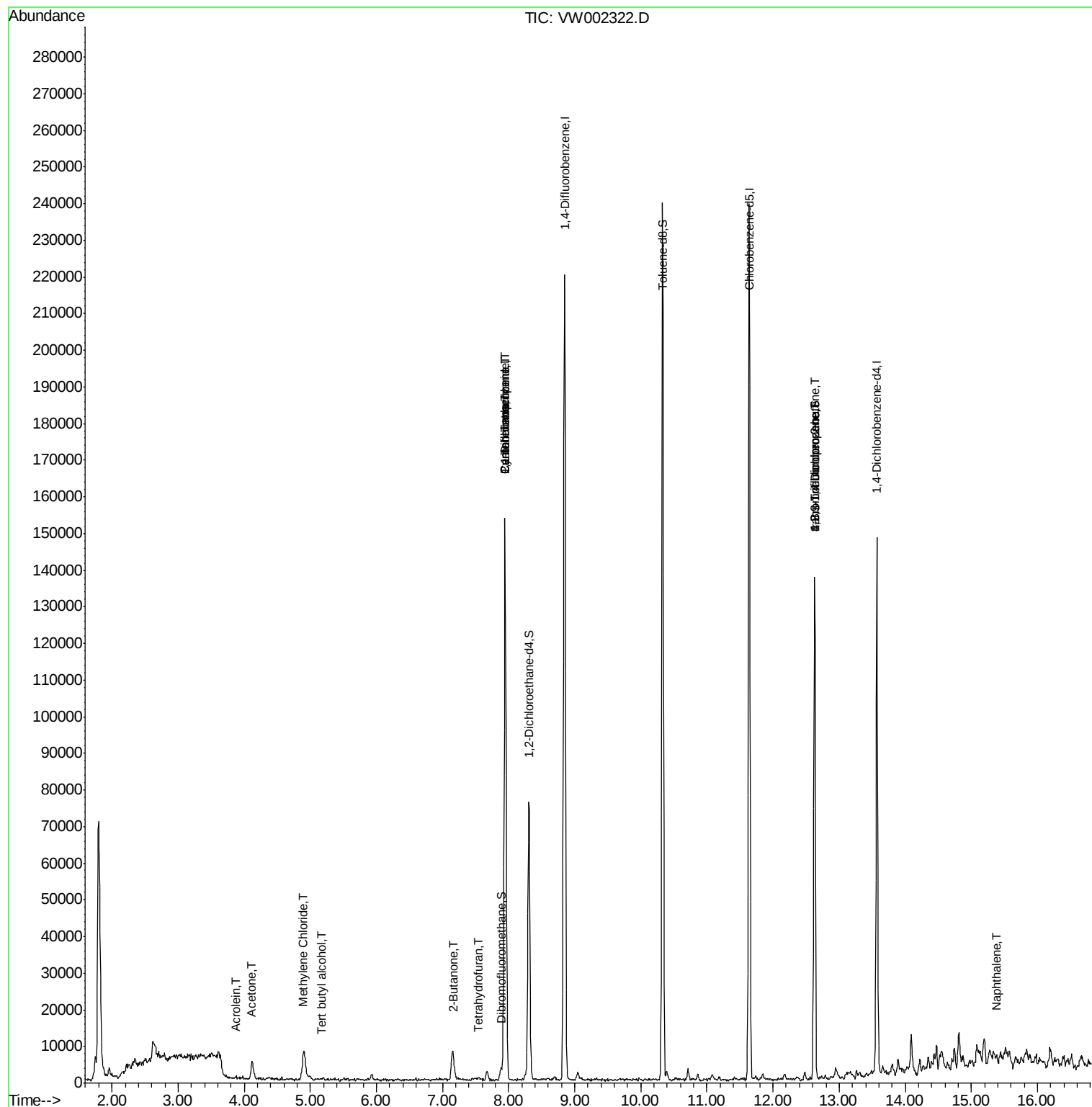
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	417	4.52	ug/l	100
13) Acrolein	3.87	56	106	1.37	ug/l #	47
16) Acetone	4.12	43	7757	31.28	ug/l	100
20) Methylene Chloride	4.89	84	6272	5.25	ug/l #	83
25) 2-Butanone	7.17	43	425	1.15	ug/l #	49
29) Tetrahydrofuran	7.54	42	410	1.70	ug/l #	55
31) Cyclohexane	7.94	56	2400	1.27	ug/l #	31
36) 1,1-Dichloropropene	7.95	75	8725	5.22	ug/l #	51
38) Carbon Tetrachloride	7.95	117	11039	6.82	ug/l #	14
76) 1,2,3-Trichloropropane	12.63	75	21180	60.68	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	21180	159.84	ug/l #	10
95) Naphthalene	15.38	128	2080	1.37	ug/l #	94

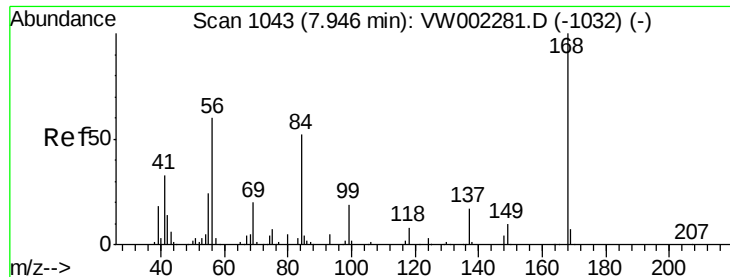
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VW002322.D

Acq: 09 May 2018 04:35

Instrument :

MSVOA_W

ClientSampleId :

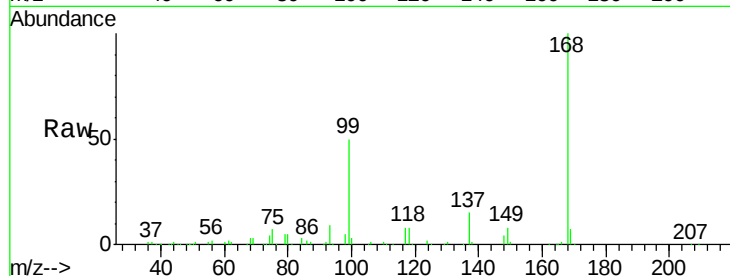
TP-2A-COMP

Tgt Ion:168 Resp: 119555

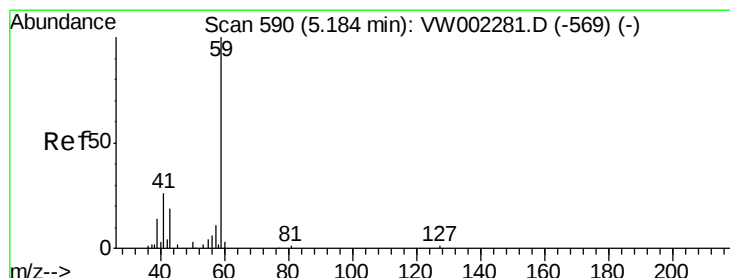
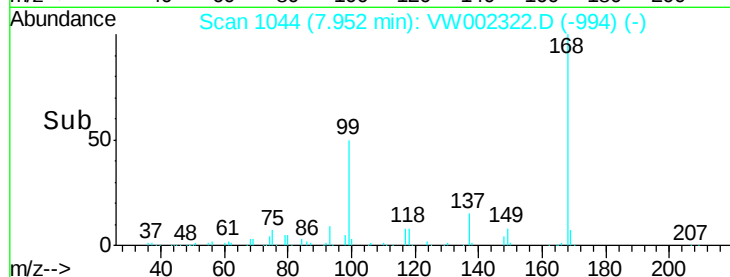
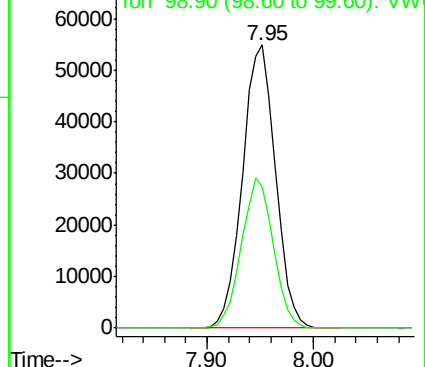
Ion Ratio Lower Upper

168 100

99 50.0 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): VW



#11

Tert butyl alcohol

Concen: 4.52 ug/l

RT: 5.17 min Scan# 588

Delta R.T. -0.01 min

Lab File: VW002322.D

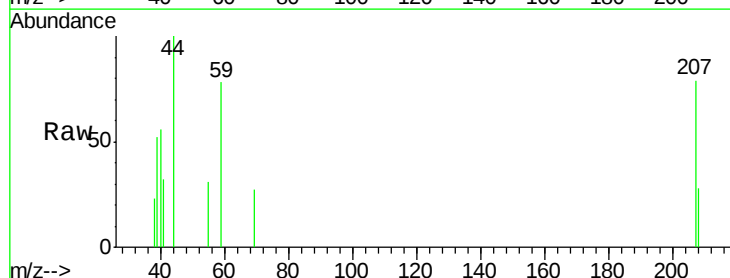
Acq: 09 May 2018 04:35

Tgt Ion: 59 Resp: 417

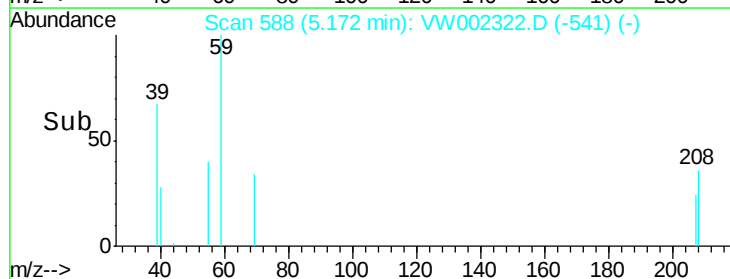
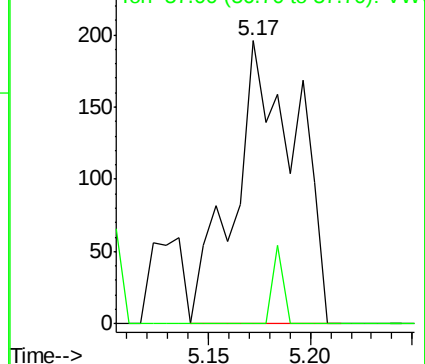
Ion Ratio Lower Upper

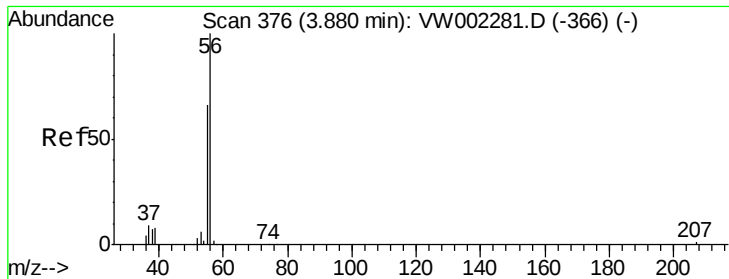
59 100

57 4.8 3.9 5.9



Abundance Ion 59.00 (58.70 to 59.70): VW





#13

Acrolein

Concen: 1.37 ug/l

RT: 3.87 min Scan# 374

Delta R.T. -0.01 min

Lab File: VW002322.D

Acq: 09 May 2018 04:35

Instrument :

MSVOA_W

ClientSampleId :

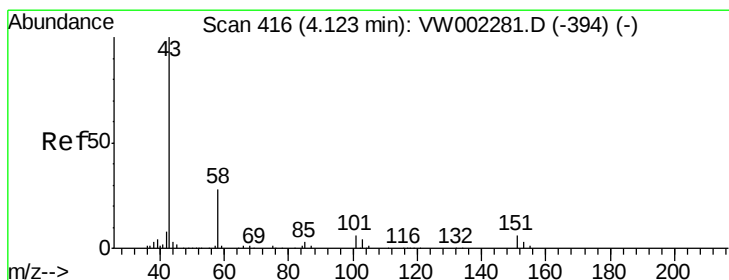
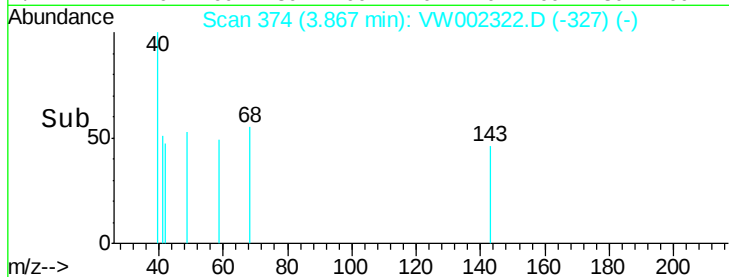
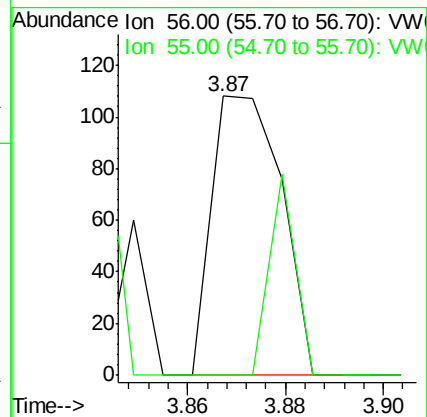
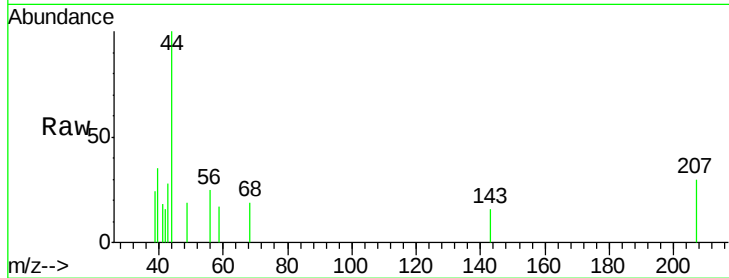
TP-2A-COMP

Tgt Ion: 56 Resp: 106

Ion Ratio Lower Upper

56 100

55 27.4 57.3 85.9#



#16

Acetone

Concen: 31.28 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.01 min

Lab File: VW002322.D

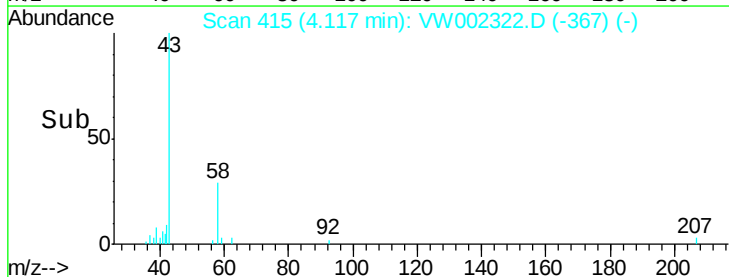
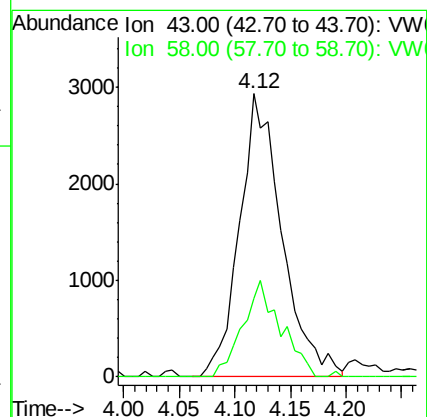
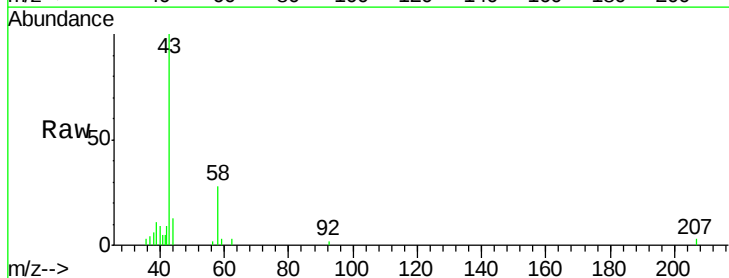
Acq: 09 May 2018 04:35

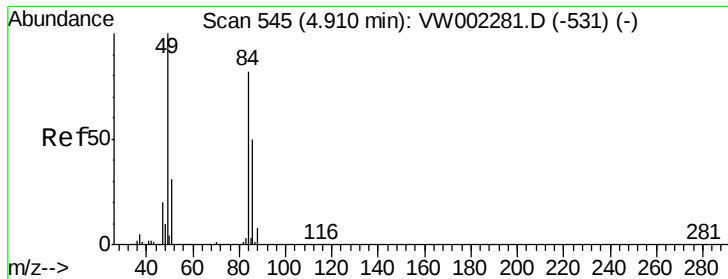
Tgt Ion: 43 Resp: 7757

Ion Ratio Lower Upper

43 100

58 27.7 22.2 33.4

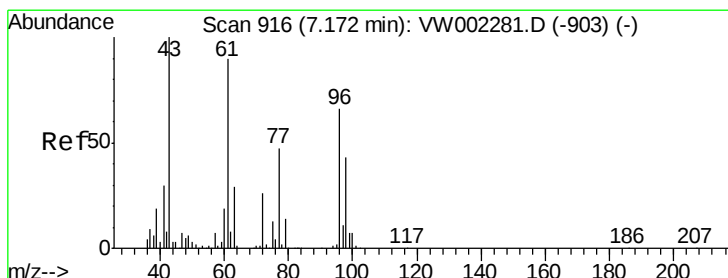
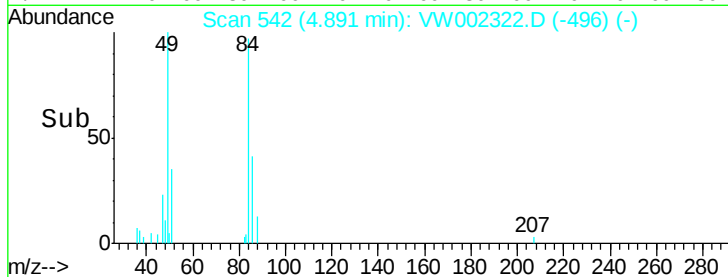
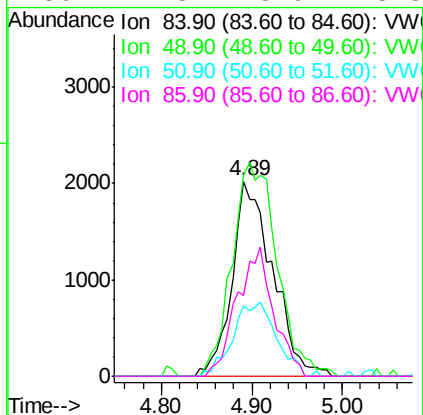
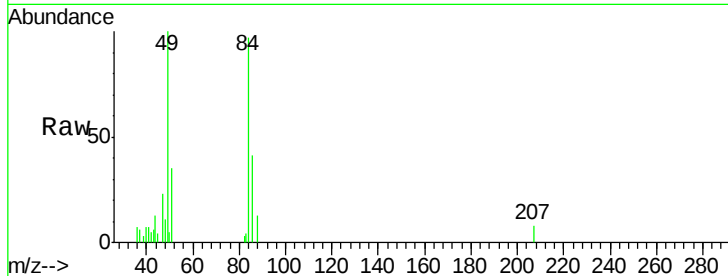




#20
Methylene Chloride
Concen: 5.25 ug/l
RT: 4.89 min Scan# 542
Delta R.T. -0.02 min
Lab File: VW002322.D
Acq: 09 May 2018 04:35

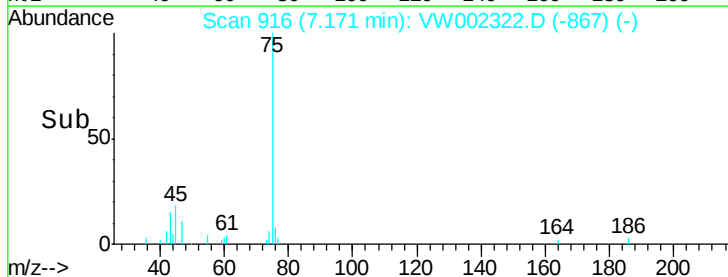
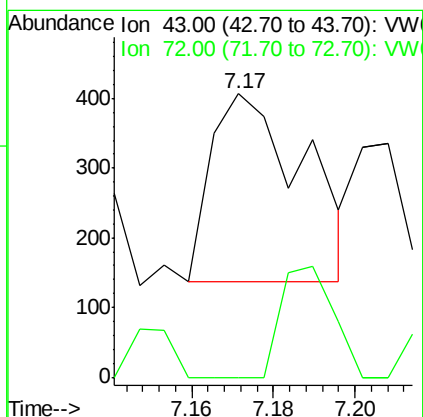
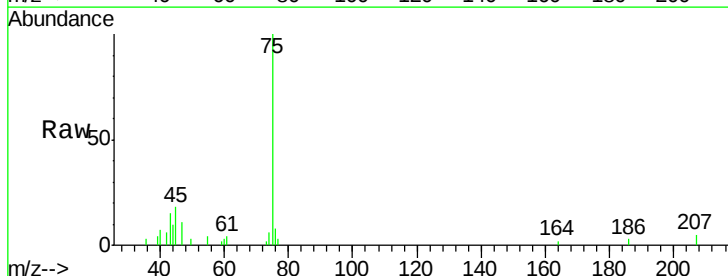
Instrument :
MSVOA_W
ClientSampleId :
TP-2A-COMP

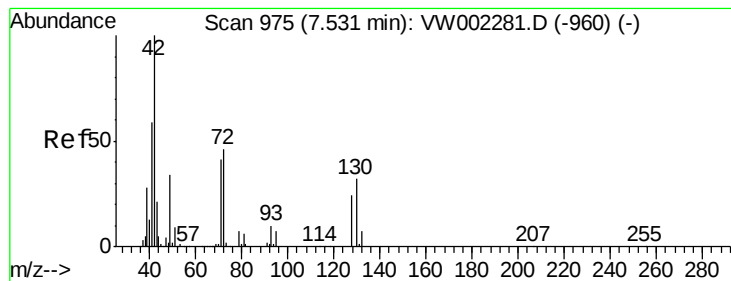
Tgt Ion: 84 Resp: 6272
Ion Ratio Lower Upper
84 100
49 102.9 97.7 146.5
51 35.9 30.2 45.4
86 41.8 48.9 73.3#



#25
2-Butanone
Concen: 1.15 ug/l
RT: 7.17 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW002322.D
Acq: 09 May 2018 04:35

Tgt Ion: 43 Resp: 425
Ion Ratio Lower Upper
43 100
72 0.0 20.6 31.0#





#29

Tetrahydrofuran

Concen: 1.70 ug/l

RT: 7.54 min Scan# 977

Delta R.T. 0.01 min

Lab File: VW002322.D

Acq: 09 May 2018 04:35

Instrument :

MSVOA_W

ClientSampleId :

TP-2A-COMP

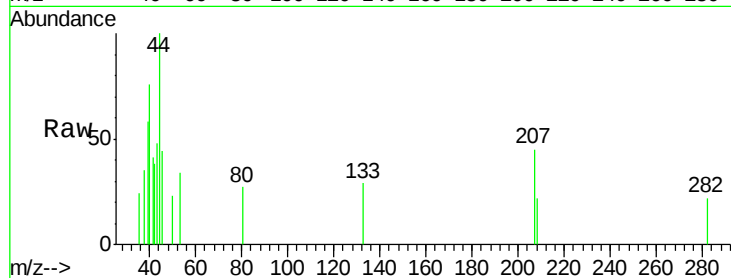
Tgt Ion: 42 Resp: 410

Ion Ratio Lower Upper

42 100

72 6.1 34.5 51.7#

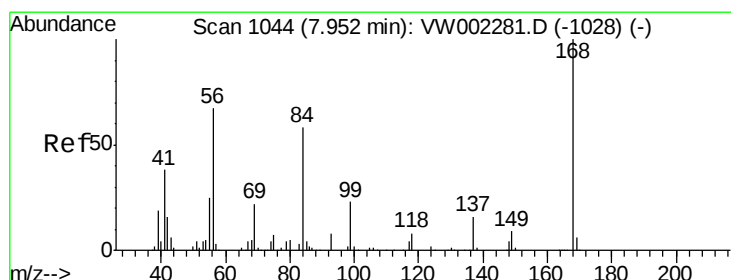
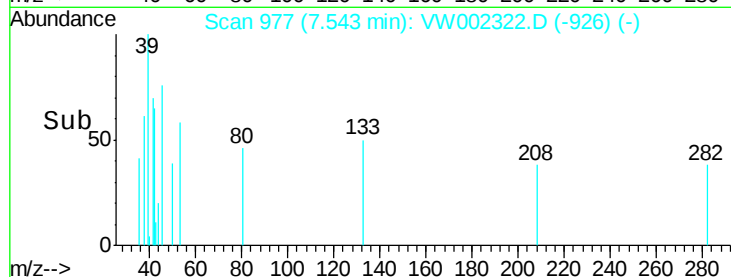
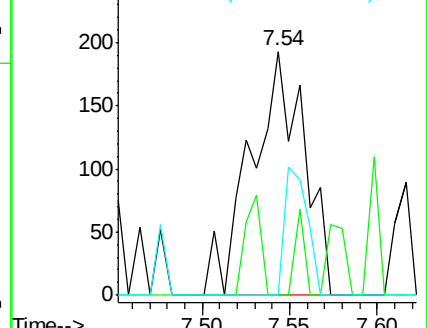
71 22.0 33.0 49.6#



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: 1.27 ug/l

RT: 7.94 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VW002322.D

Acq: 09 May 2018 04:35

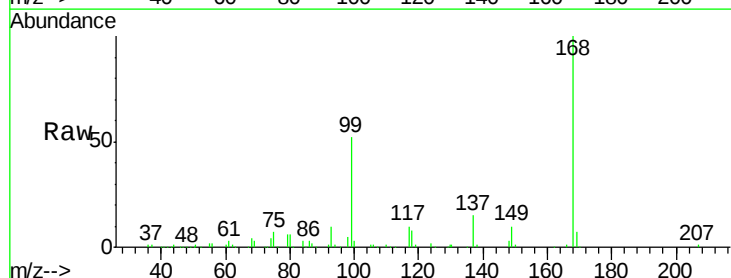
Tgt Ion: 56 Resp: 2400

Ion Ratio Lower Upper

56 100

69 140.1 26.2 39.4#

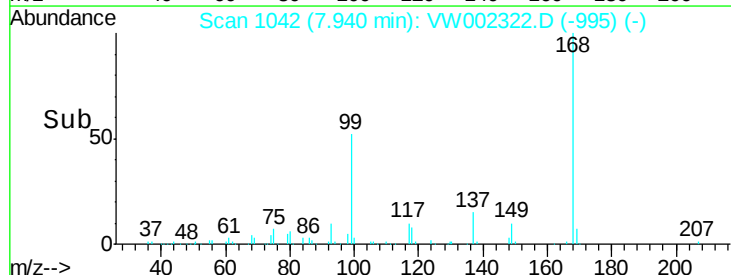
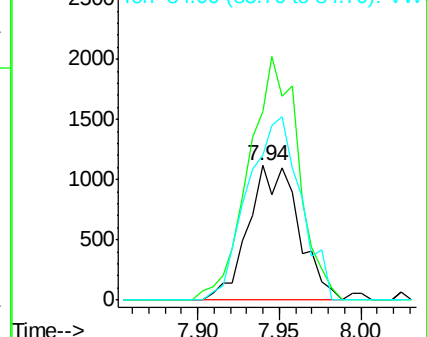
84 107.8 69.2 103.8#

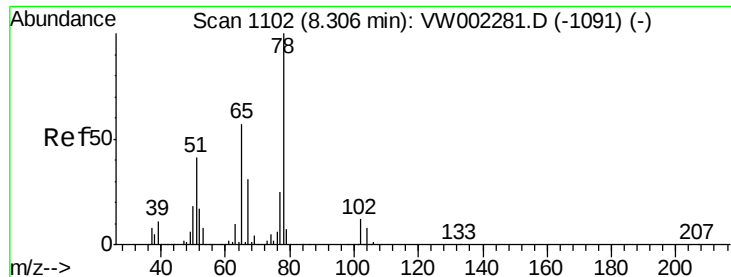


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





#33

1,2-Dichloroethane-d4

Concen: 44.90 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW002322.D

Acq: 09 May 2018 04:35

Instrument :

MSVOA_W

ClientSampleId :

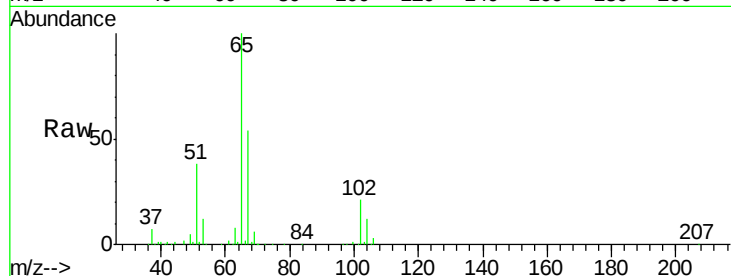
TP-2A-COMP

Tgt Ion: 65 Resp: 56999

Ion Ratio Lower Upper

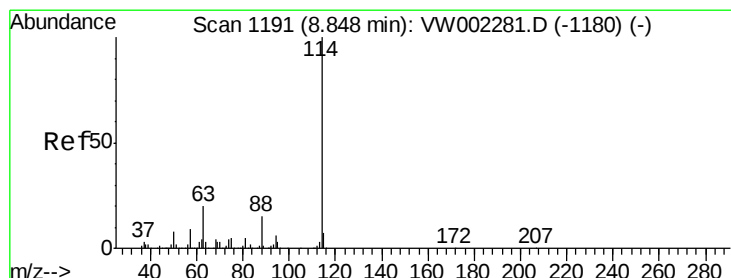
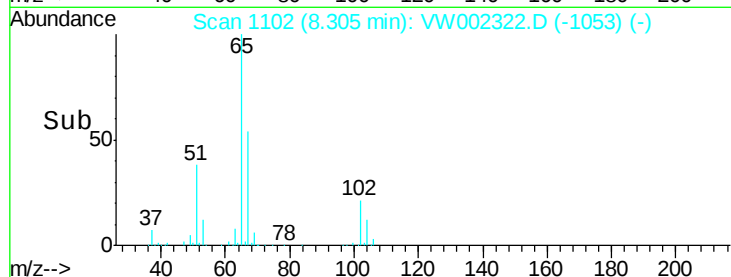
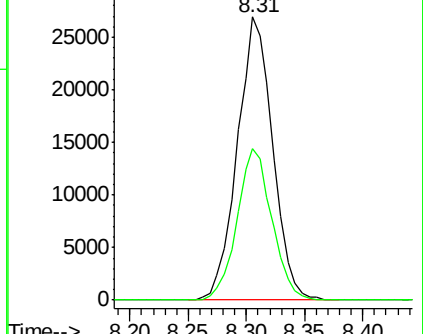
65 100

67 52.7 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: VW002322.D

Acq: 09 May 2018 04:35

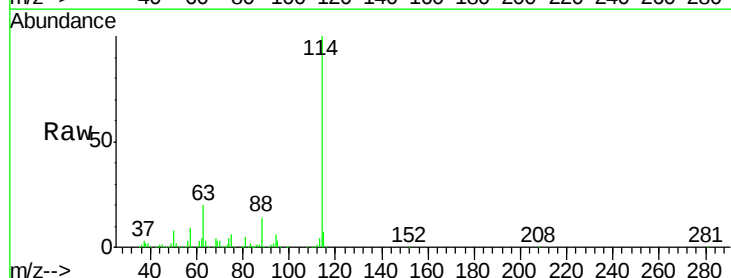
Tgt Ion: 114 Resp: 184986

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.0

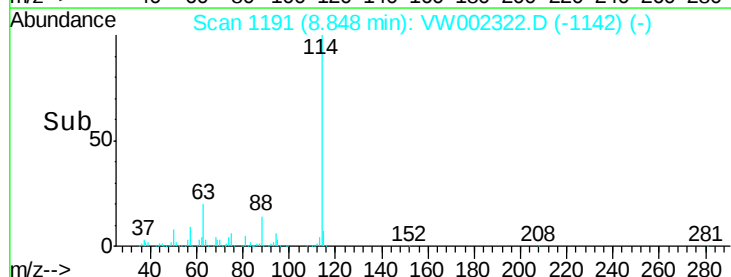
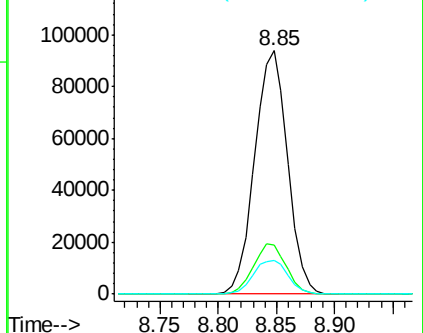
88 14.0 0.0 29.6

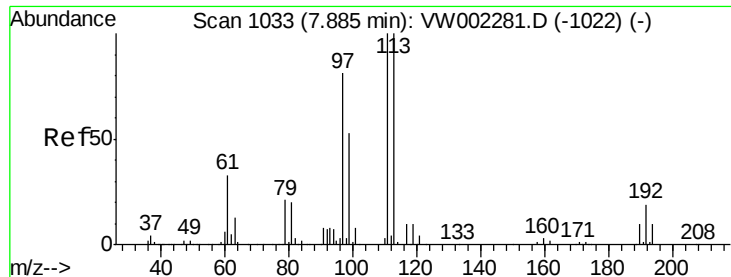


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

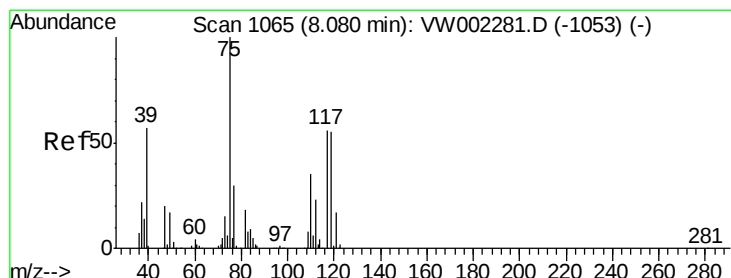
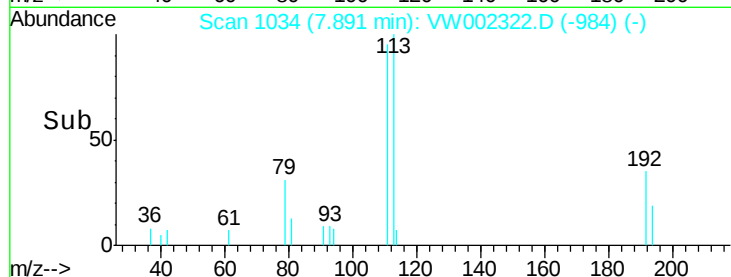
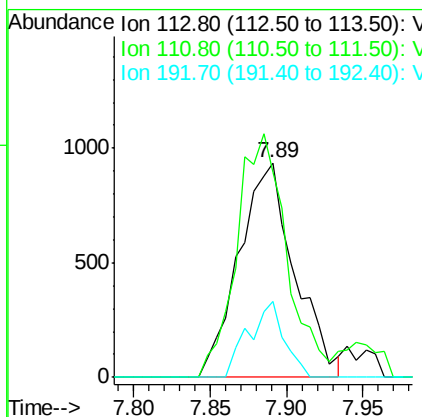
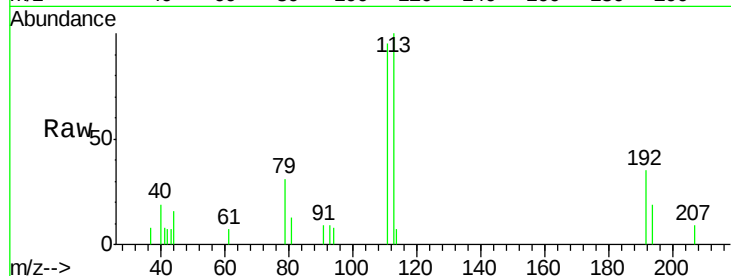




#35
 Dibromofluoromethane
 Concen: 2.00 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW002322.D
 Acq: 09 May 2018 04:35

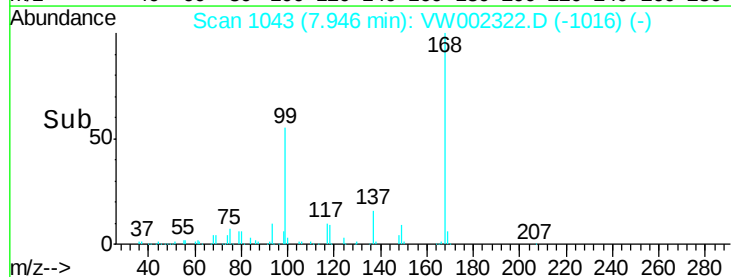
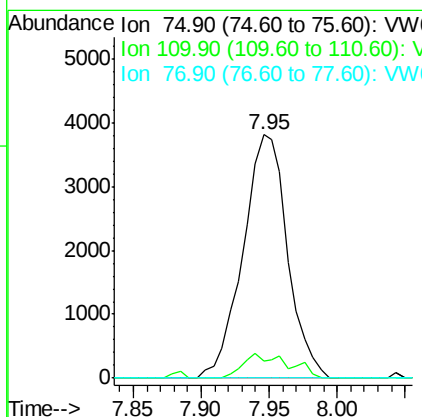
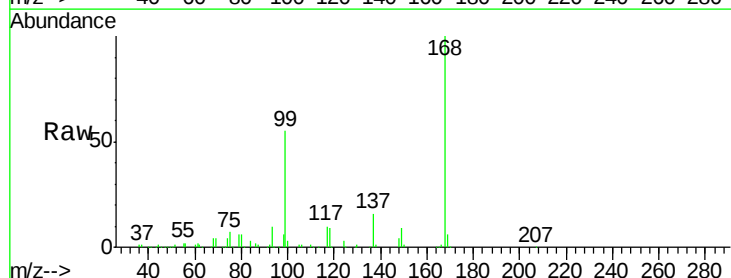
Instrument :
 MSVOA_W
 ClientSampled :
 TP-2A-COMP

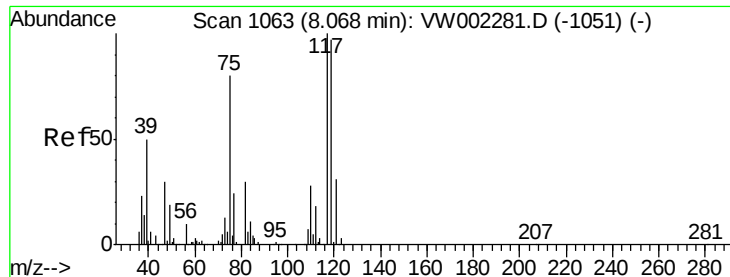
Tgt Ion: 113 Resp: 2372
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.5 122.3
 192 22.8 16.4 24.6



#36
 1,1-Dichloropropene
 Concen: 5.22 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW002322.D
 Acq: 09 May 2018 04:35

Tgt Ion: 75 Resp: 8725
 Ion Ratio Lower Upper
 75 100
 110 10.2 18.1 54.1#
 77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 6.82 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW002322.D

Acq: 09 May 2018 04:35

Instrument :

MSVOA_W

ClientSampleId :

TP-2A-COMP

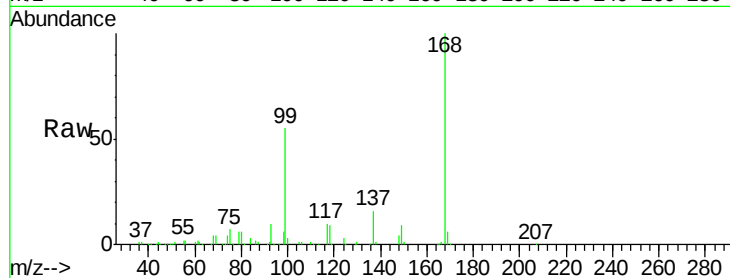
Tgt Ion:117 Resp: 11039

Ion Ratio Lower Upper

117 100

119 3.3 77.5 116.3#

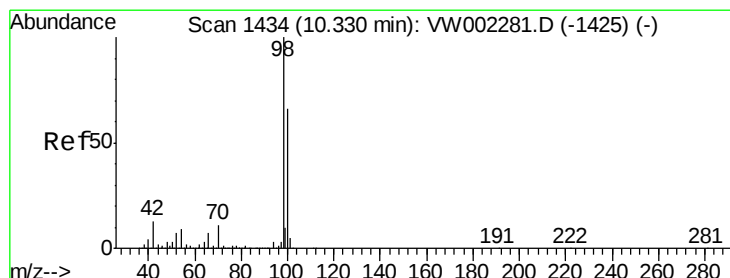
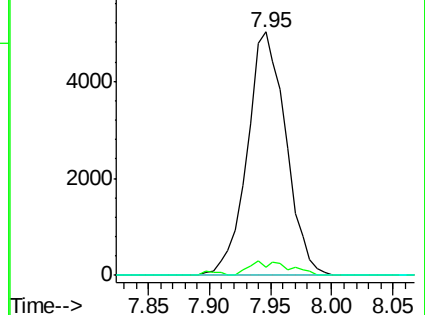
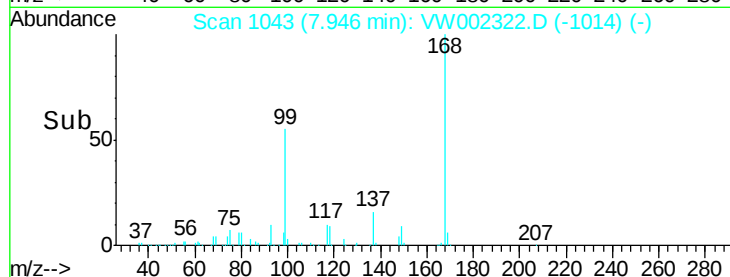
121 0.0 24.4 36.6#



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: 34.94 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002322.D

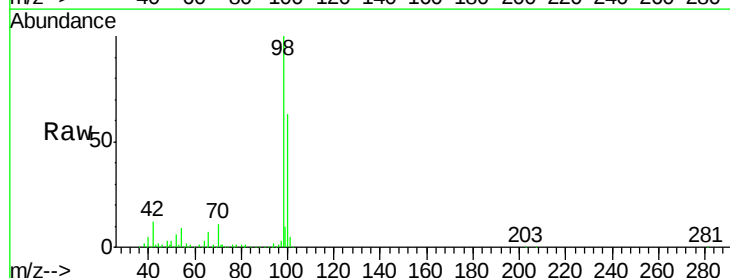
Acq: 09 May 2018 04:35

Tgt Ion: 98 Resp: 157981

Ion Ratio Lower Upper

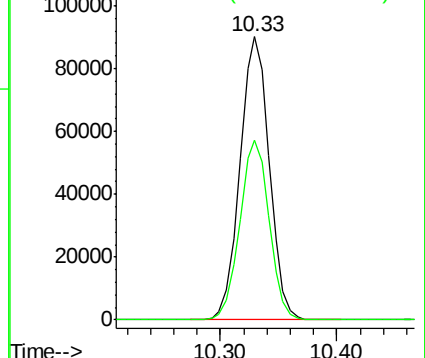
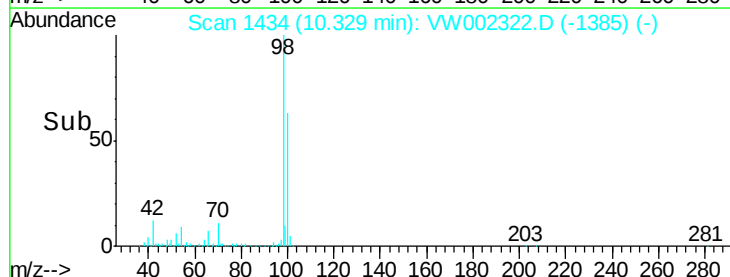
98 100

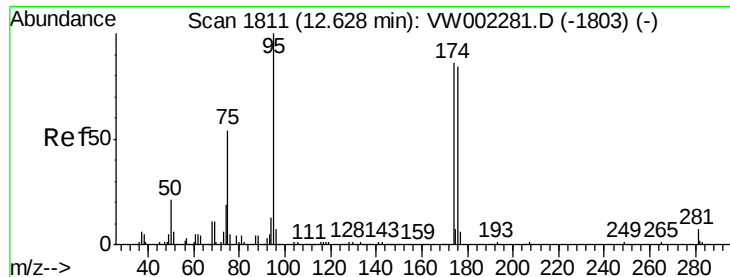
100 63.5 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

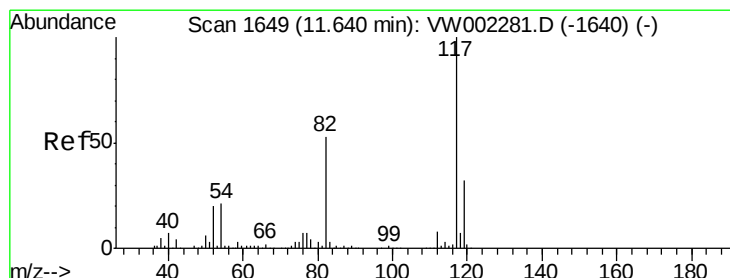
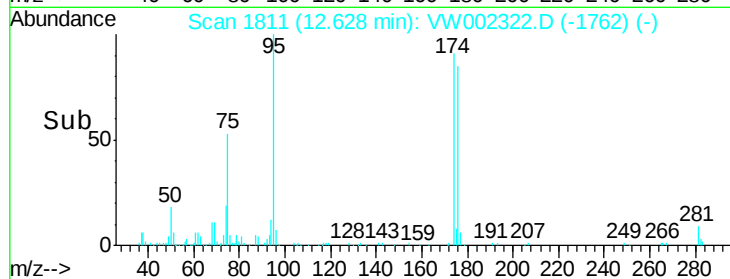
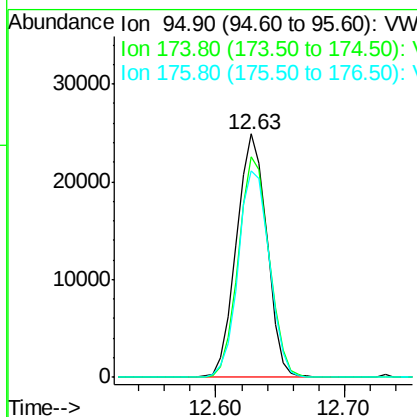
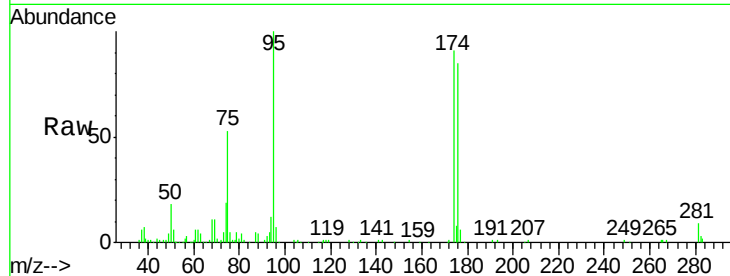




#62
4-Bromofluorobenzene
Concen: 24.83 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW002322.D
Acq: 09 May 2018 04:35

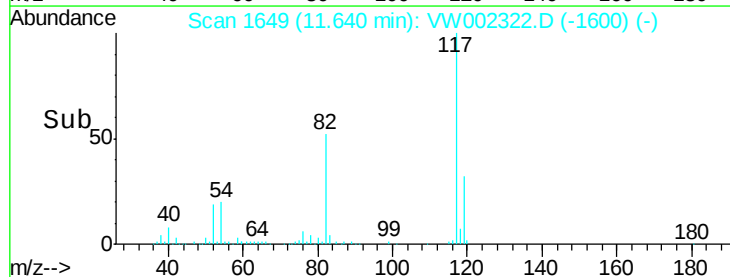
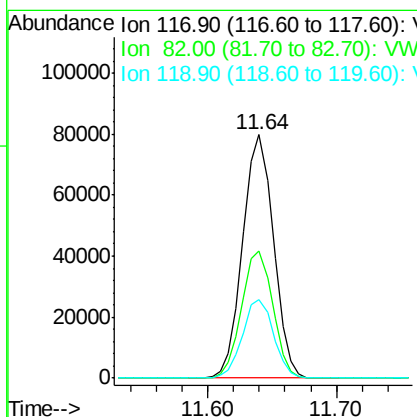
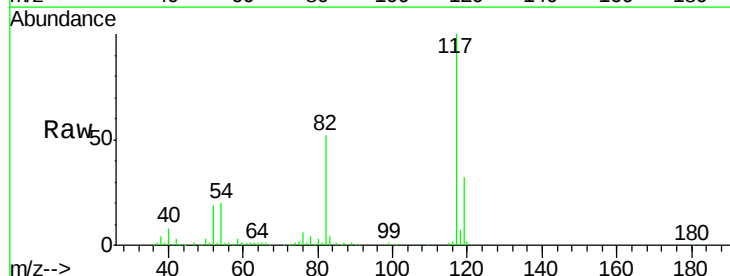
Instrument :
MSVOA_W
ClientSampleId :
TP-2A-COMP

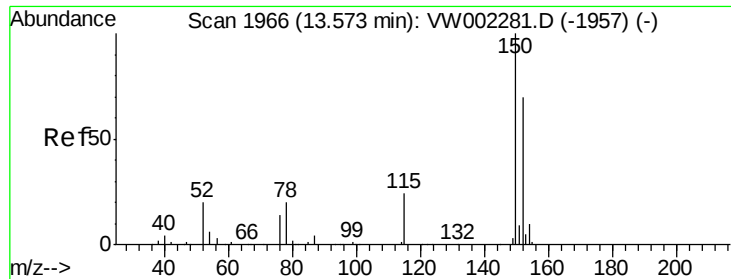
Tgt Ion: 95 Resp: 40573
Ion Ratio Lower Upper
95 100
174 91.0 0.0 176.8
176 86.8 0.0 170.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002322.D
Acq: 09 May 2018 04:35

Tgt Ion: 117 Resp: 131957
Ion Ratio Lower Upper
117 100
82 52.1 42.6 63.8
119 32.5 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: VW002322.D

Acq: 09 May 2018 04:35

Instrument :

MSVOA_W

ClientSampleId :

TP-2A-COMP

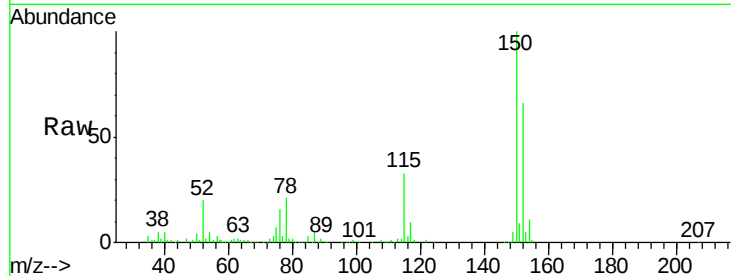
Tgt Ion:152 Resp: 39360

Ion Ratio Lower Upper

152 100

115 52.7 28.5 85.5

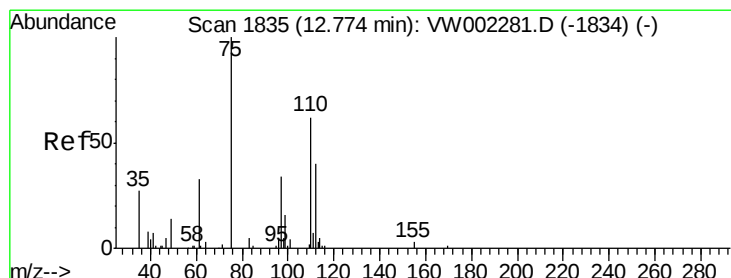
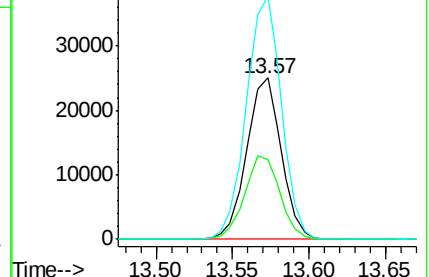
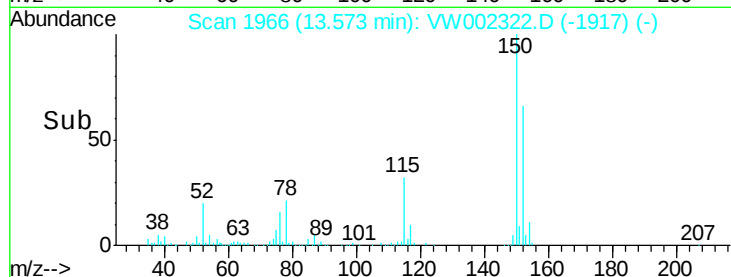
150 152.6 0.0 342.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 60.68 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW002322.D

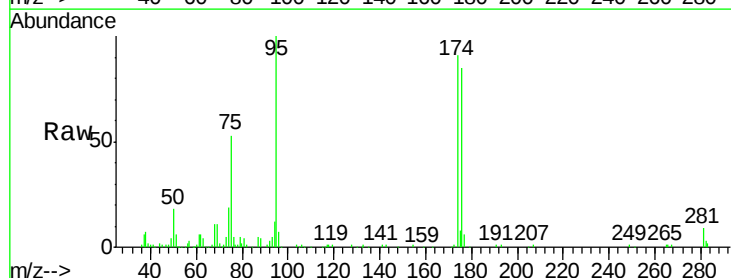
Acq: 09 May 2018 04:35

Tgt Ion: 75 Resp: 21180

Ion Ratio Lower Upper

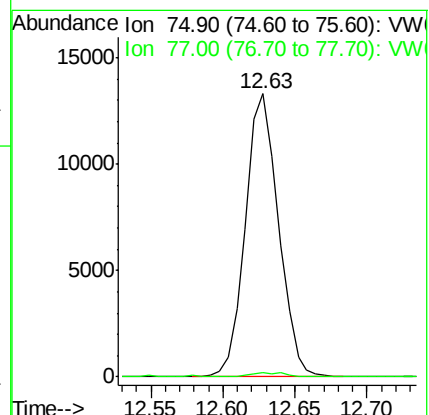
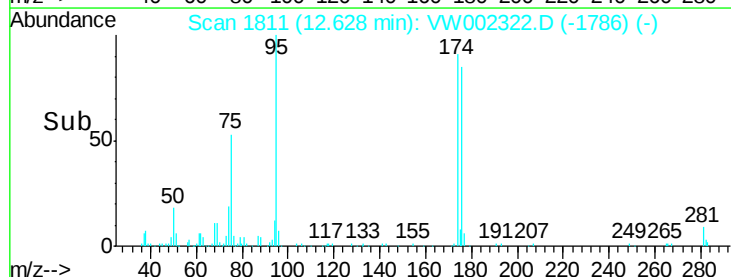
75 100

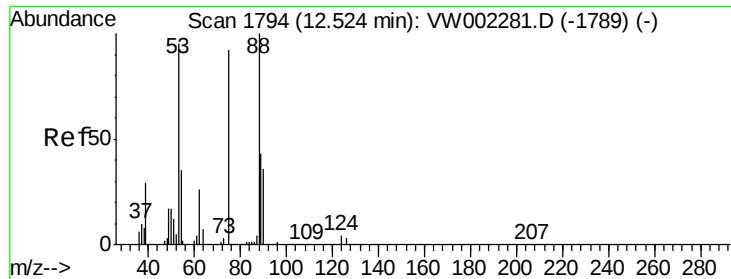
77 1.5 187.5 562.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 159.84 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW002322.D

Acq: 09 May 2018 04:35

Instrument :

MSVOA_W

ClientSampleId :

TP-2A-COMP

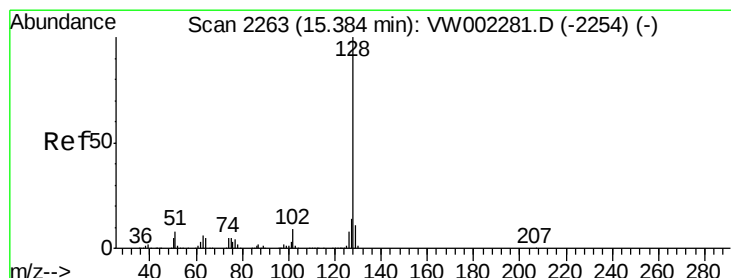
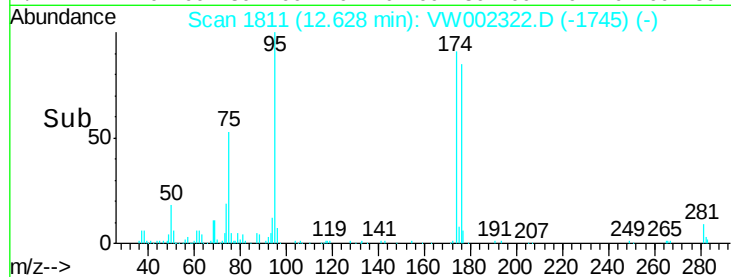
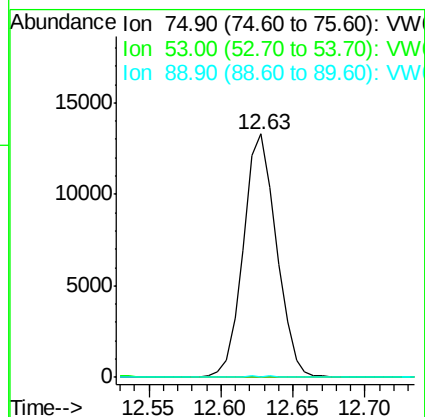
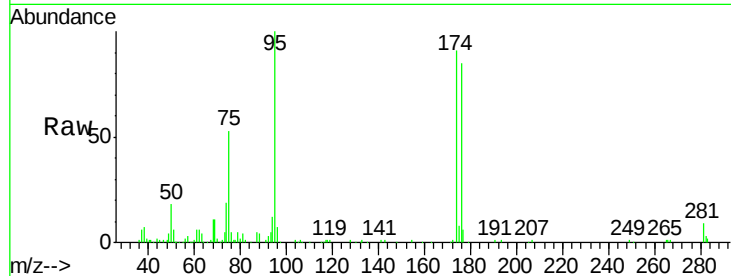
Tgt Ion: 75 Resp: 21180

Ion Ratio Lower Upper

75 100

53 0.1 79.9 119.9#

89 0.2 37.6 56.4#



#95

Naphthalene

Concen: 1.37 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VW002322.D

Acq: 09 May 2018 04:35

Tgt Ion: 128 Resp: 2080

Ion Ratio Lower Upper

128 100

127 15.3 11.0 16.4

129 14.5 8.7 13.1#

