

Data File : VW008247.D
Acq On : 14 Jan 2019 15:18
Operator : SY/VA
Sample : K1129-04
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
P-2A

Quant Time: Jan 14 21:14:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 04:40:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	83048	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	154880	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	146773	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	67862	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	53580	57.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.80%	
35) Dibromofluoromethane	7.88	113	50699	56.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.26%	
50) Toluene-d8	10.32	98	203996	53.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.64%	
62) 4-Bromofluorobenzene	12.62	95	68287	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	

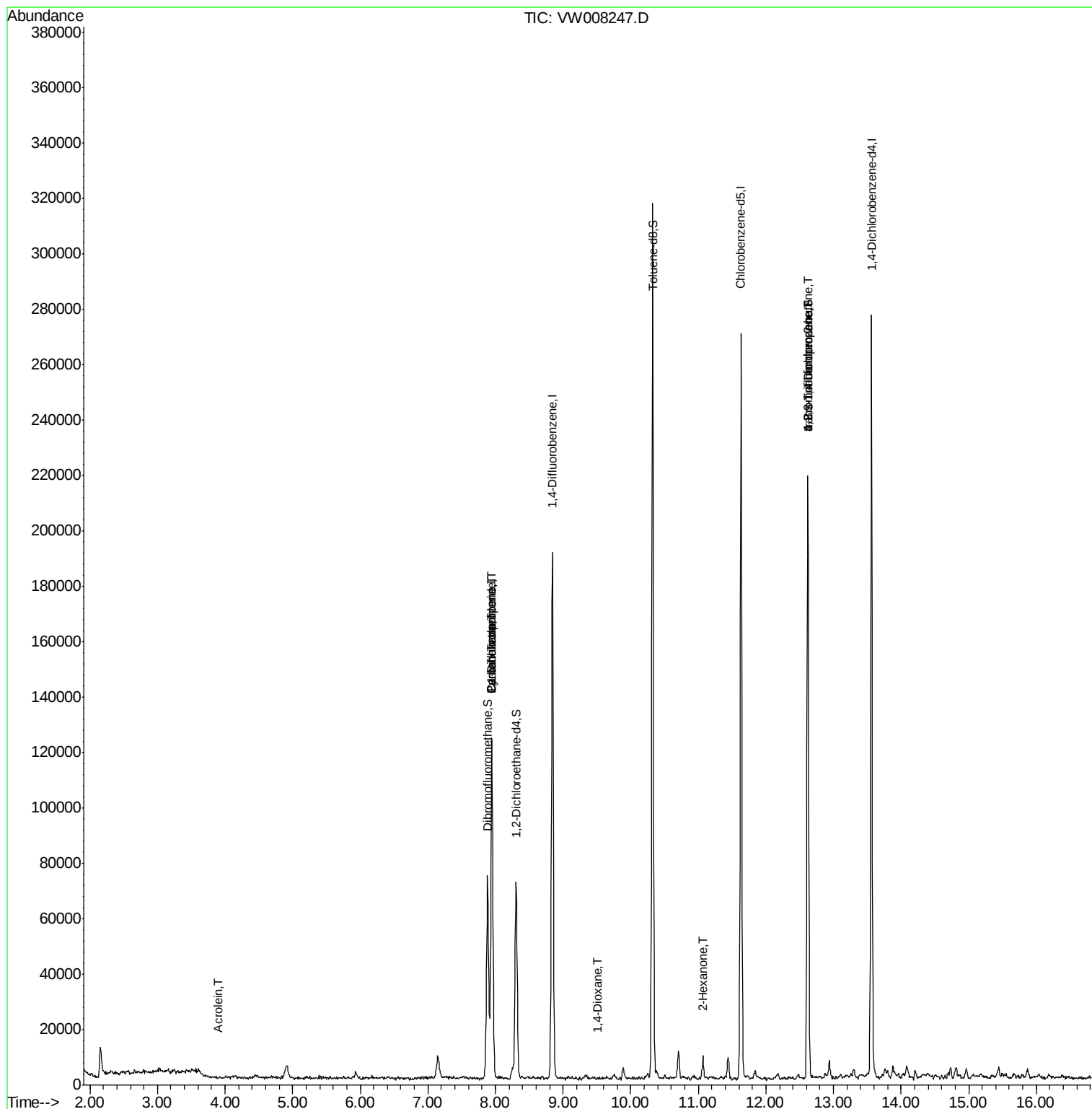
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.22	59	426	Below Cal	#	100
13) Acrolein	3.90	56	272	2.898	ug/l #	50
16) Acetone	4.14	43	1519	Below Cal		88
20) Methylene Chloride	4.91	84	3330	Below Cal	#	75
31) Cyclohexane	7.94	56	2624	1.336	ug/l #	38
36) 1,1-Dichloropropene	7.95	75	7274	4.559	ug/l #	50
38) Carbon Tetrachloride	7.95	117	9098	6.230	ug/l #	17
49) 1,4-Dioxane	9.50	88	29	3.422	ug/l #	74
59) 2-Hexanone	11.07	43	528	1.262	ug/l	74
76) 1,2,3-Trichloropropane	12.62	75	34093	55.110	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	34093	128.334	ug/l #	10

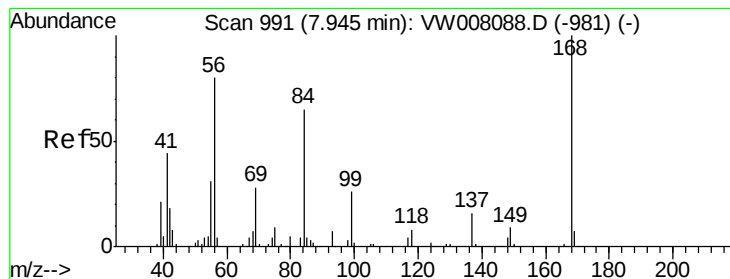
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008247.D

Acq: 14 Jan 2019 15:18

Instrument :

MSVOA_W

ClientSampled :

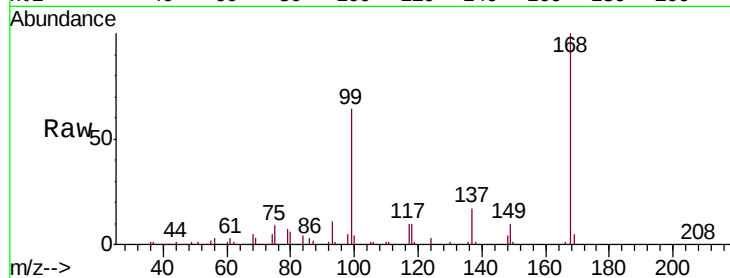
P-2A

Tgt Ion:168 Resp: 83048

Ion Ratio Lower Upper

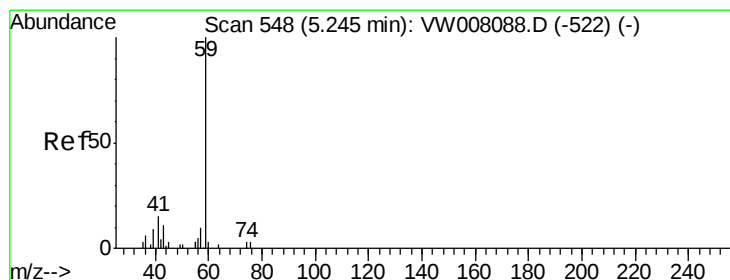
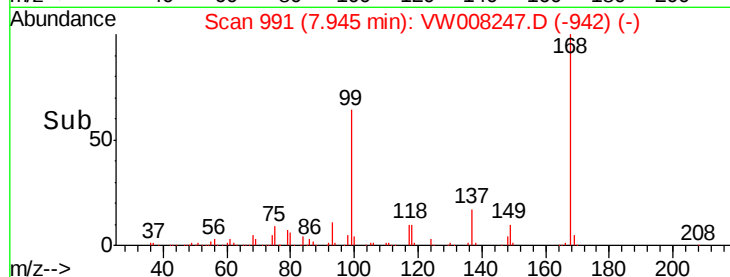
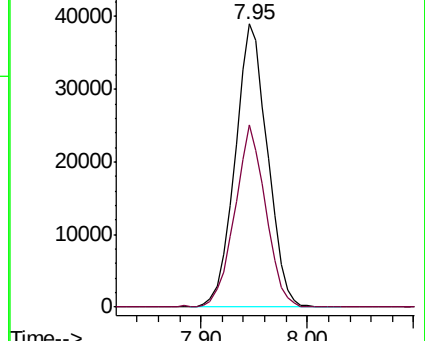
168 100

99 64.4 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.22 min Scan# 544

Delta R.T. -0.02 min

Lab File: VW008247.D

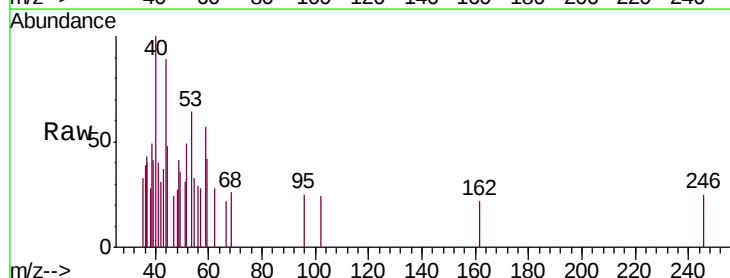
Acq: 14 Jan 2019 15:18

Tgt Ion: 59 Resp: 426

Ion Ratio Lower Upper

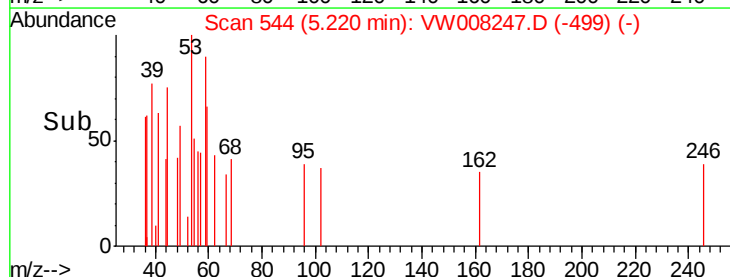
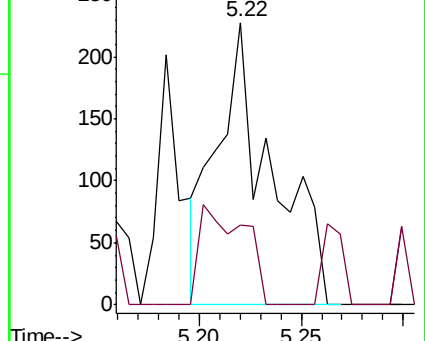
59 100

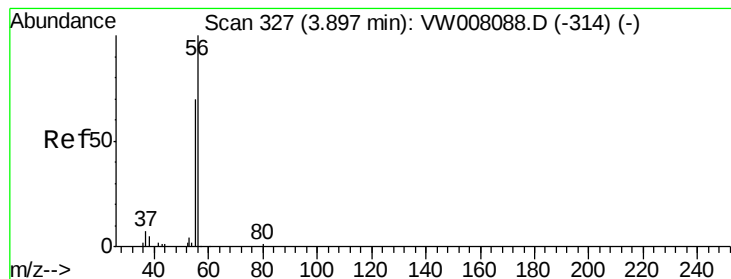
57 28.4 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 2.898 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.00 min

Lab File: VW008247.D

Acq: 14 Jan 2019 15:18

Instrument :

MSVOA_W

ClientSampled :

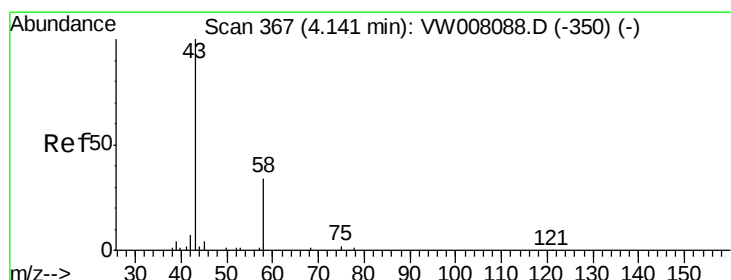
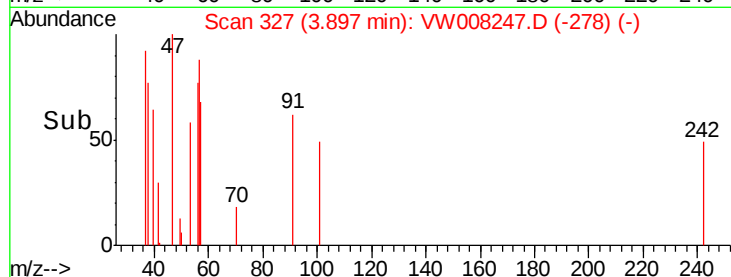
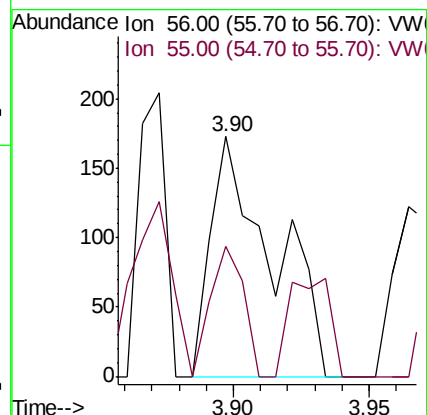
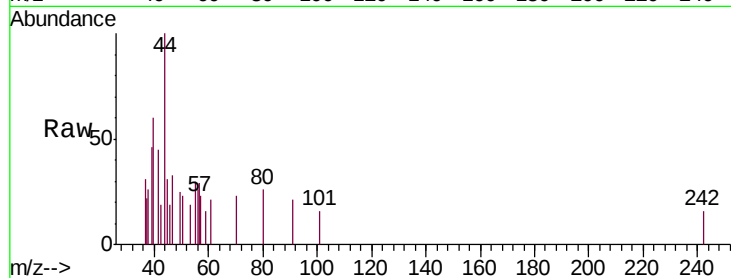
P-2A

Tgt Ion: 56 Resp: 272

Ion Ratio Lower Upper

56 100

55 29.0 56.6 84.8#



#16

Acetone

Concen: Below Cal

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

Lab File: VW008247.D

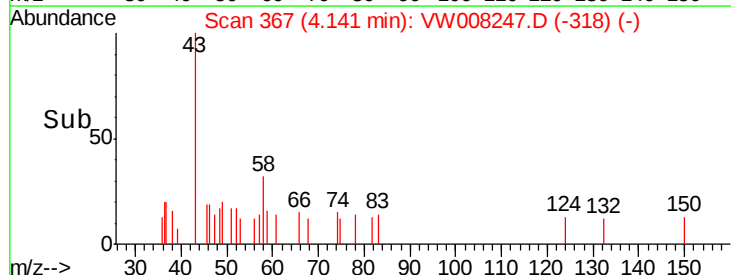
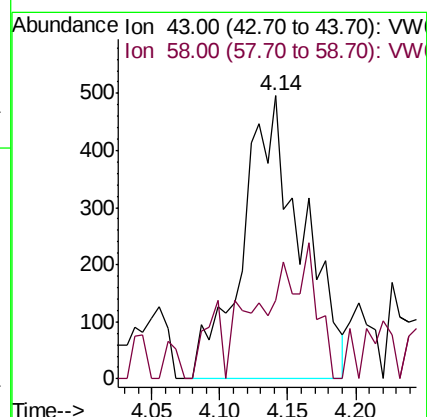
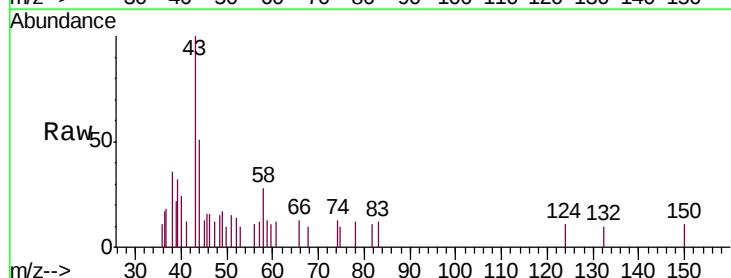
Acq: 14 Jan 2019 15:18

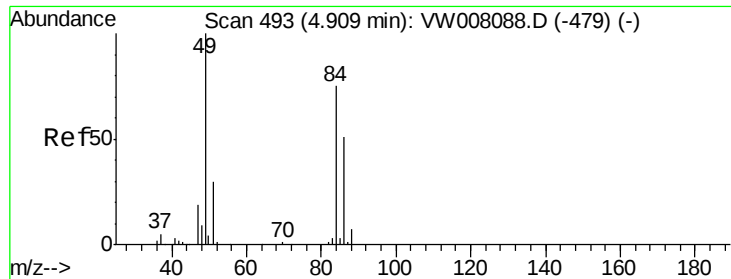
Tgt Ion: 43 Resp: 1519

Ion Ratio Lower Upper

43 100

58 27.6 27.5 41.3

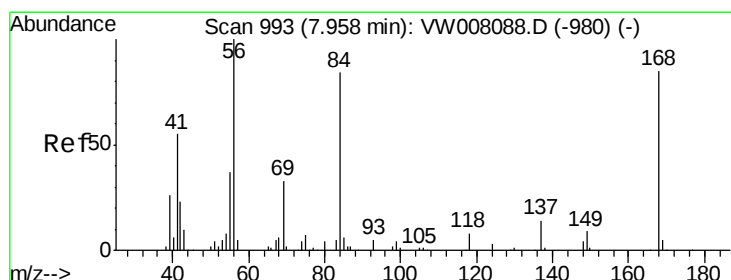
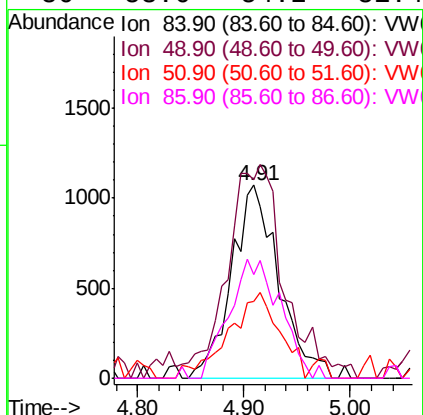
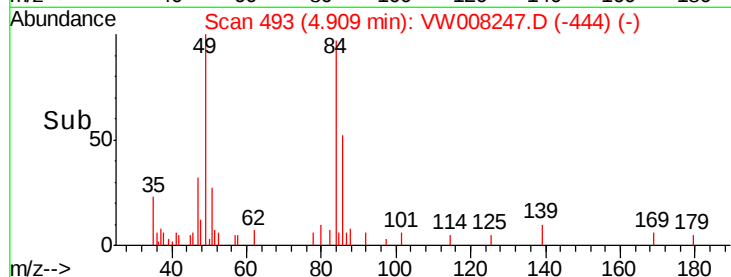
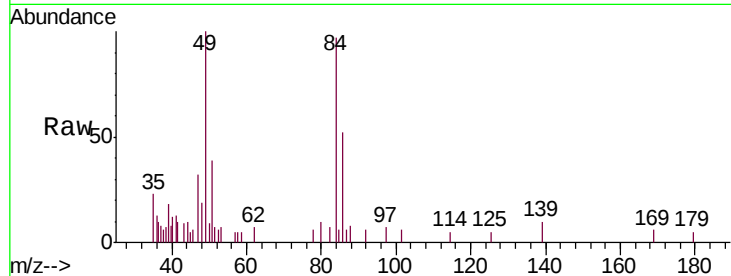




#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008247.D
Acq: 14 Jan 2019 15:18

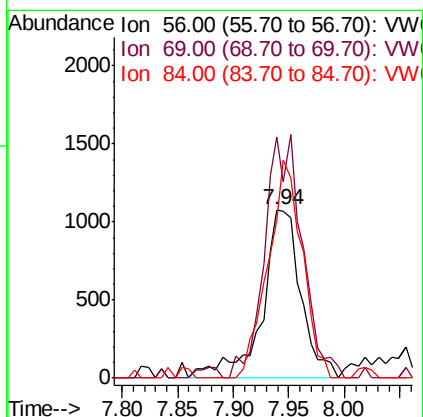
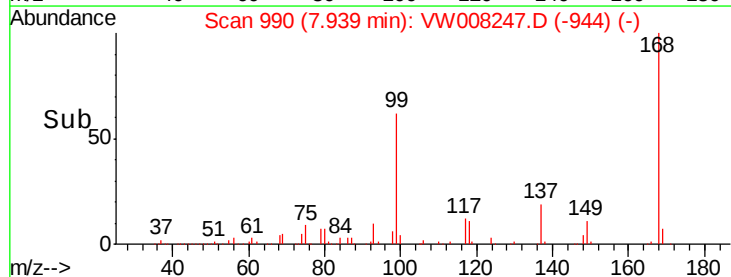
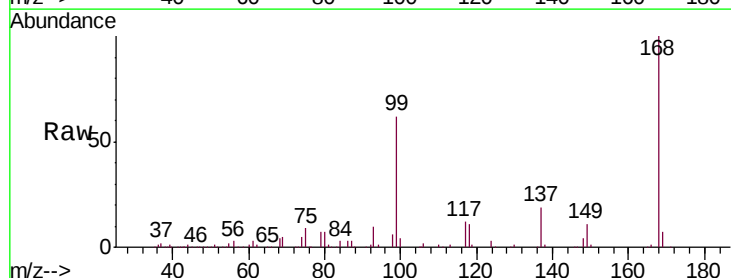
Instrument :
MSVOA_W
ClientSampleId :
P-2A

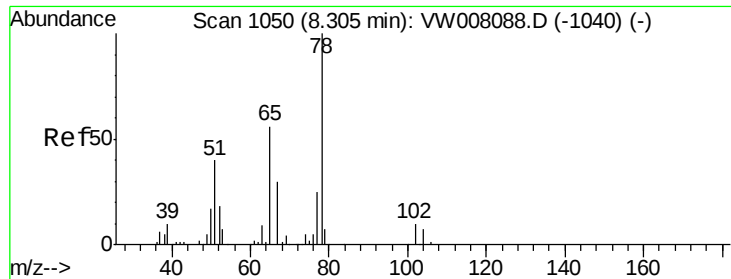
Tgt Ion: 84 Resp: 3330
Ion Ratio Lower Upper
84 100
49 95.4 107.1 160.7#
51 47.3 32.4 48.6
86 53.6 54.2 81.4#



#31
Cyclohexane
Concen: 1.336 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.02 min
Lab File: VW008247.D
Acq: 14 Jan 2019 15:18

Tgt Ion: 56 Resp: 2624
Ion Ratio Lower Upper
56 100
69 143.4 26.2 39.4#
84 93.5 67.4 101.2





#33

1,2-Dichloroethane-d4

Concen: 57.404 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008247.D

Acq: 14 Jan 2019 15:18

Instrument :

MSVOA_W

ClientSampleId :

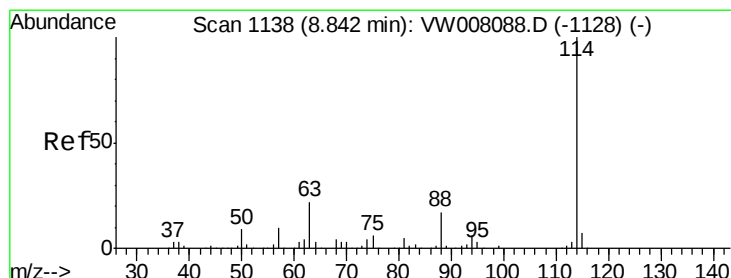
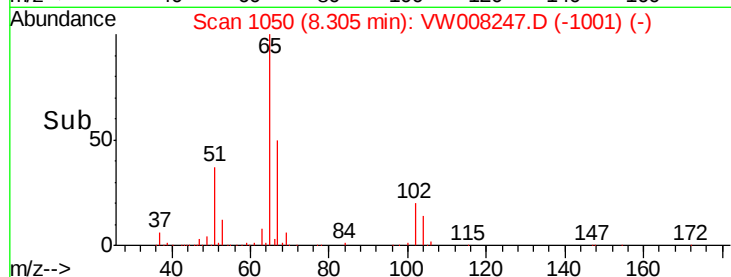
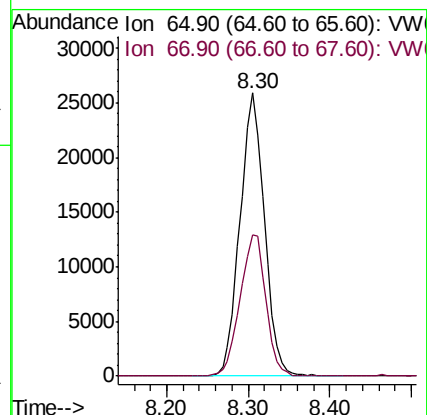
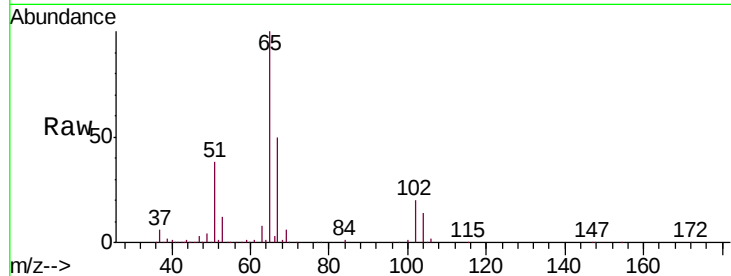
P-2A

Tgt Ion: 65 Resp: 53580

Ion Ratio Lower Upper

65 100

67 52.2 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW008247.D

Acq: 14 Jan 2019 15:18

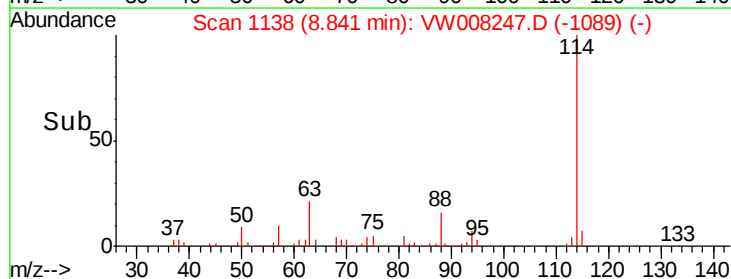
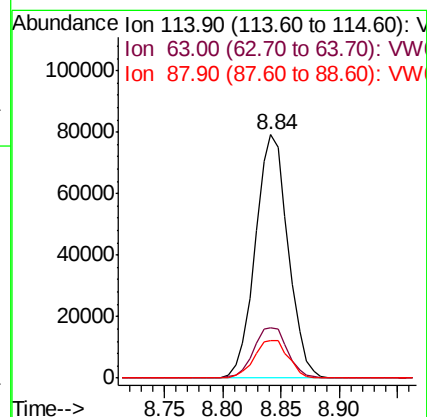
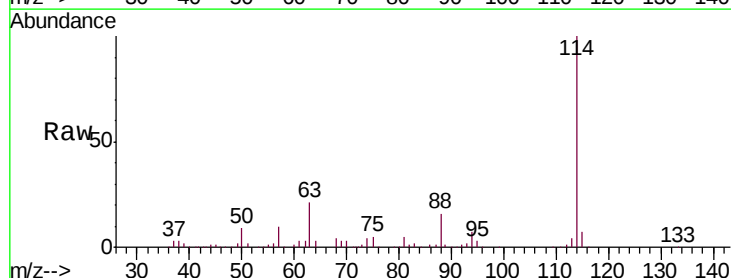
Tgt Ion: 114 Resp: 154880

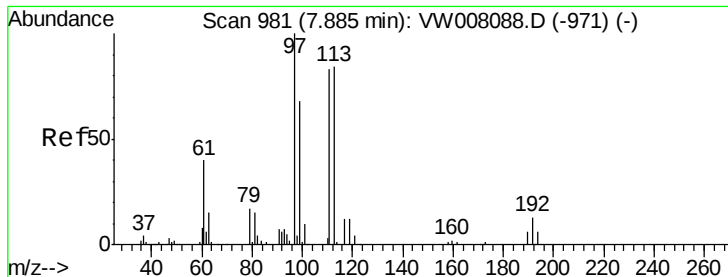
Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.4

88 15.5 0.0 33.4





#35

Dibromofluoromethane

Concen: 56.125 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008247.D

Acq: 14 Jan 2019 15:18

Instrument :

MSVOA_W

ClientSampleId :

P-2A

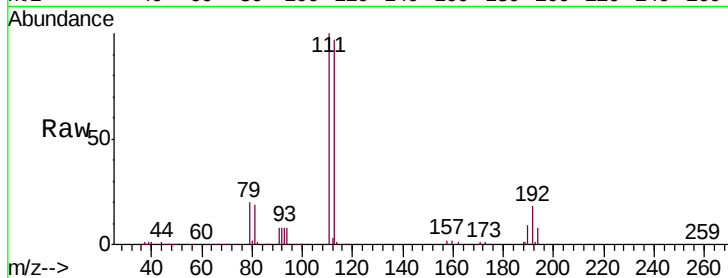
Tgt Ion:113 Resp: 50699

Ion Ratio Lower Upper

113 100

111 102.7 81.8 122.8

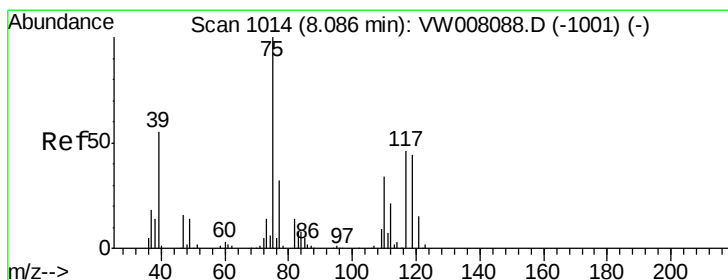
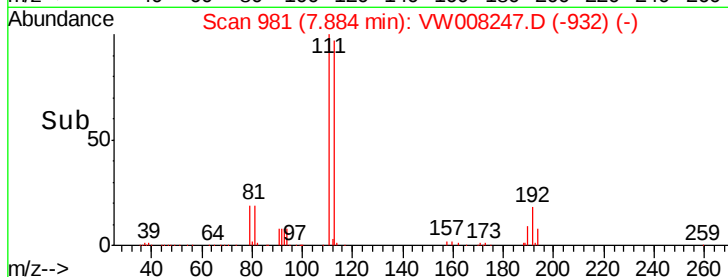
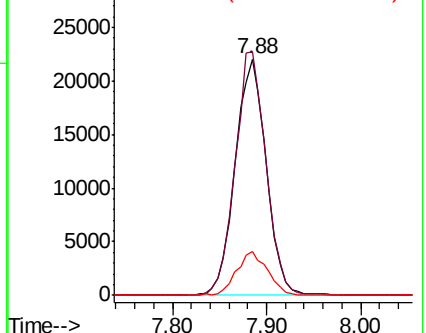
192 18.6 12.8 19.2



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: 4.559 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW008247.D

Acq: 14 Jan 2019 15:18

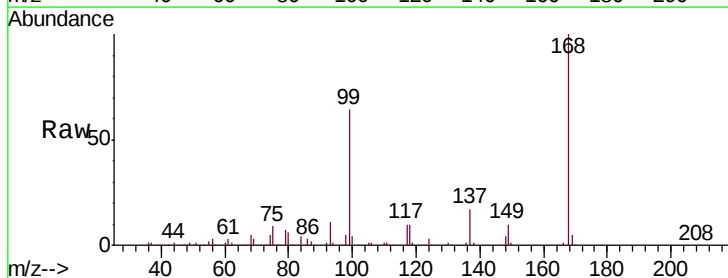
Tgt Ion: 75 Resp: 7274

Ion Ratio Lower Upper

75 100

110 9.2 17.1 51.3#

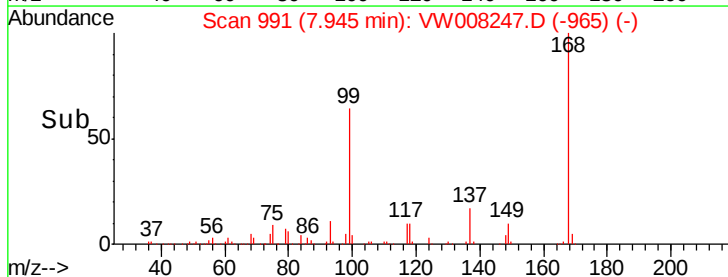
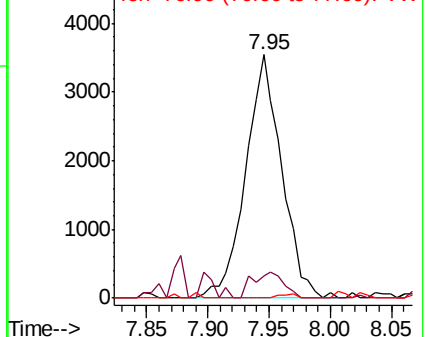
77 0.0 25.5 38.3#

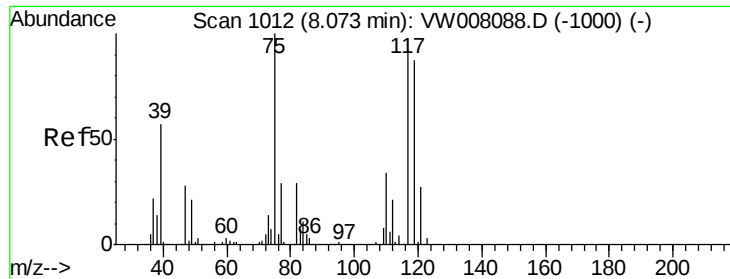


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.230 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008247.D

Acq: 14 Jan 2019 15:18

Instrument :

MSVOA_W

ClientSampled :

P-2A

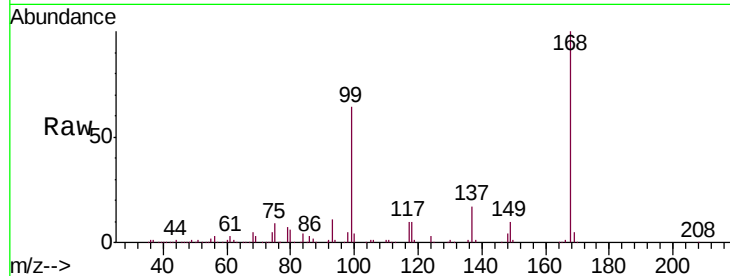
Tgt Ion:117 Resp: 9098

Ion Ratio Lower Upper

117 100

119 6.2 75.8 113.8#

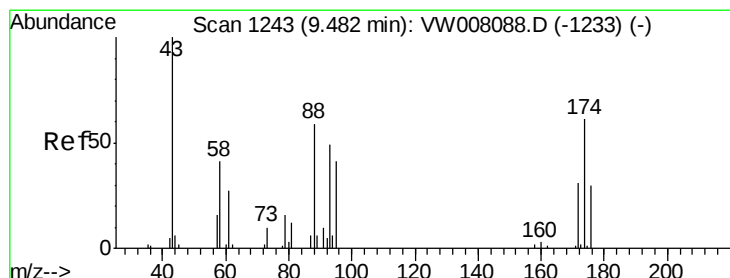
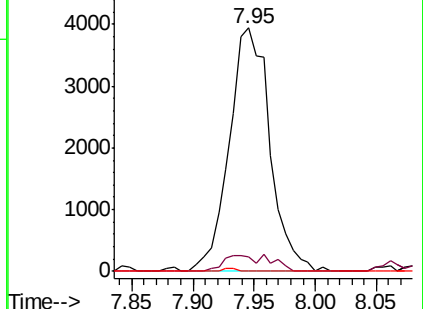
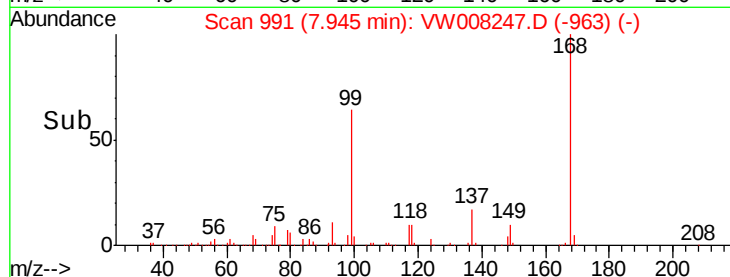
121 0.0 23.7 35.5#



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



#49

1,4-Dioxane

Concen: 3.422 ug/l

RT: 9.50 min Scan# 1246

Delta R.T. 0.02 min

Lab File: VW008247.D

Acq: 14 Jan 2019 15:18

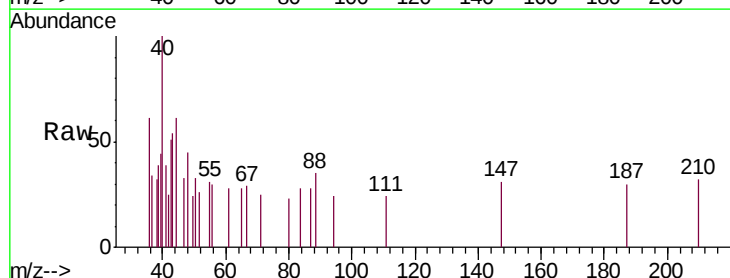
Tgt Ion: 88 Resp: 29

Ion Ratio Lower Upper

88 100

43 300.0 0.0 0.0#

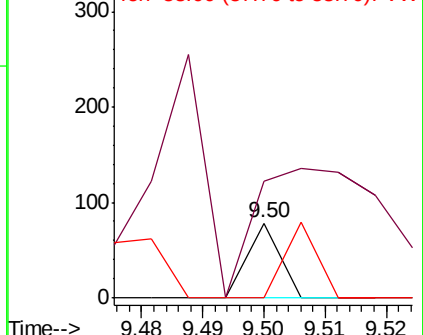
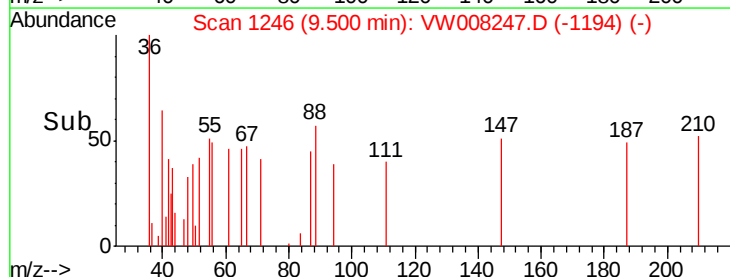
58 100.0 61.7 92.5#

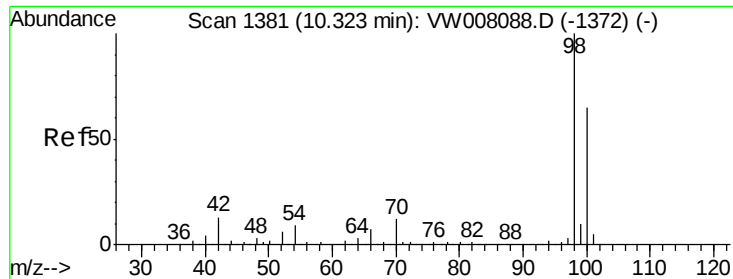


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

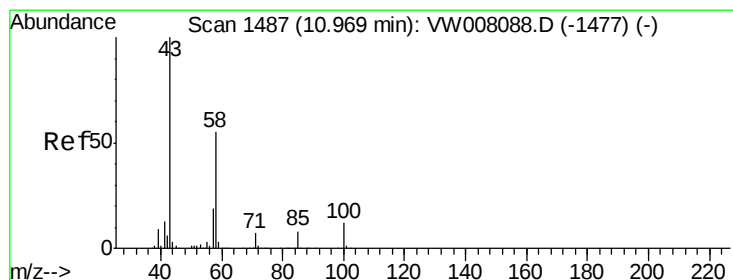
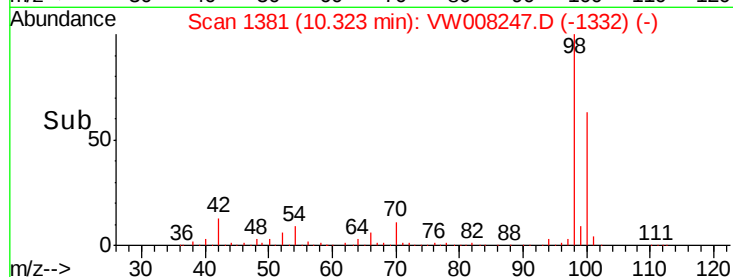
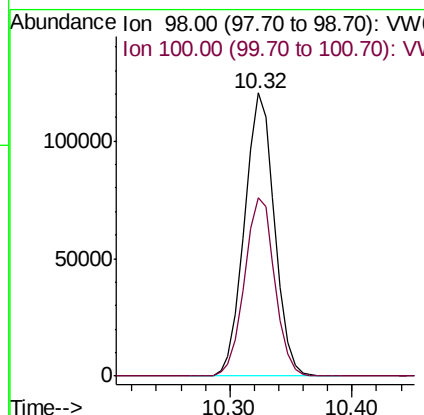
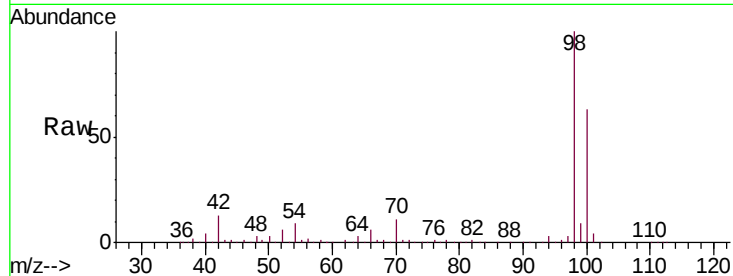




#50
Toluene-d8
Concen: 53.815 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008247.D
Acq: 14 Jan 2019 15:18

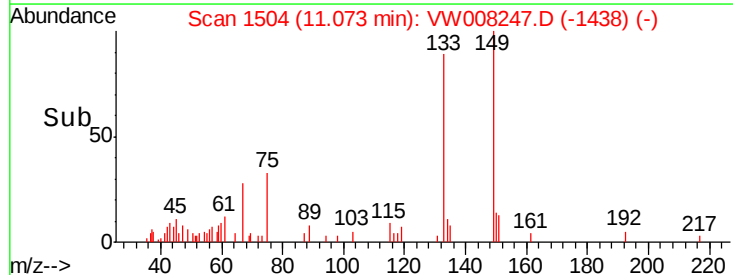
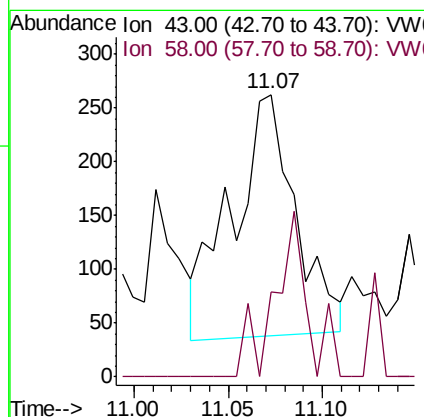
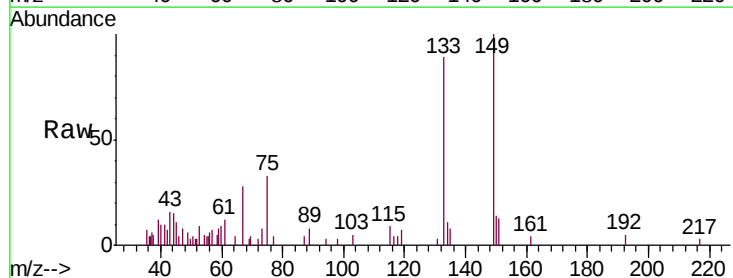
Instrument :
MSVOA_W
ClientSampled :
P-2A

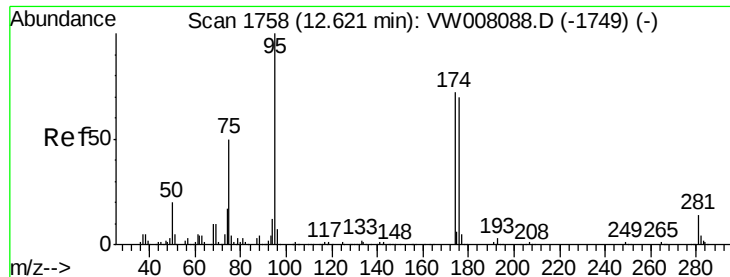
Tgt Ion: 98 Resp: 203996
Ion Ratio Lower Upper
98 100
100 63.7 51.7 77.5



#59
2-Hexanone
Concen: 1.262 ug/l
RT: 11.07 min Scan# 1504
Delta R.T. 0.10 min
Lab File: VW008247.D
Acq: 14 Jan 2019 15:18

Tgt Ion: 43 Resp: 528
Ion Ratio Lower Upper
43 100
58 35.8 27.2 81.5

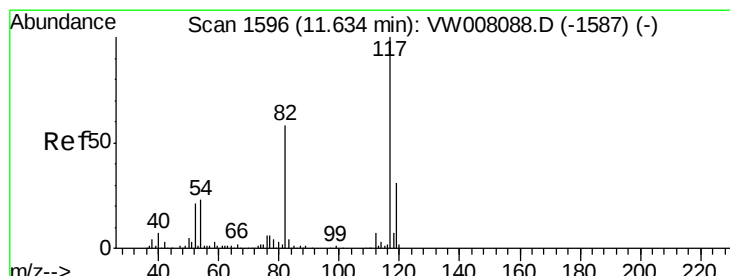
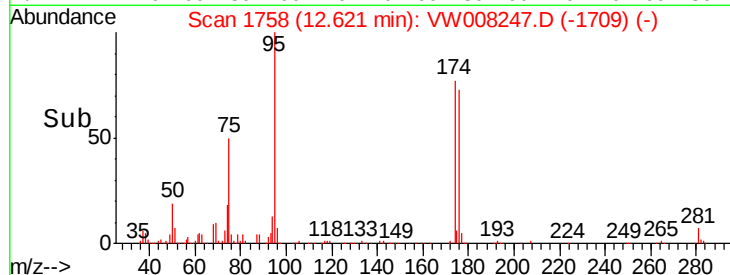
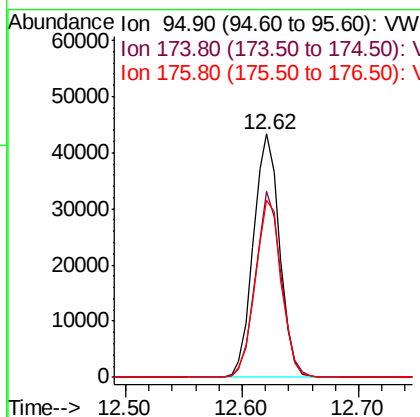
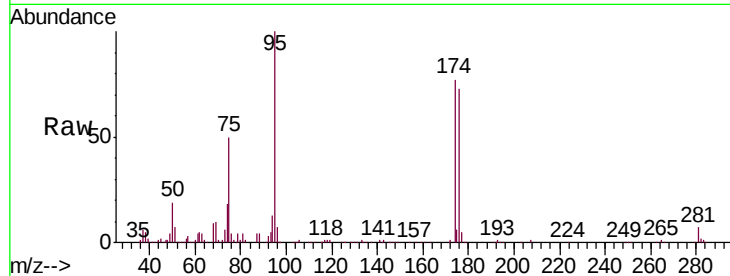




#62
4-Bromofluorobenzene
Concen: 50.250 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW008247.D
Acq: 14 Jan 2019 15:18

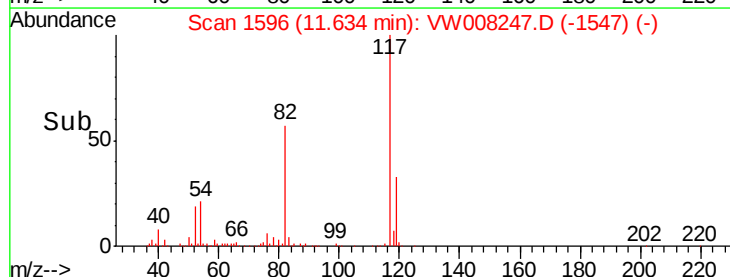
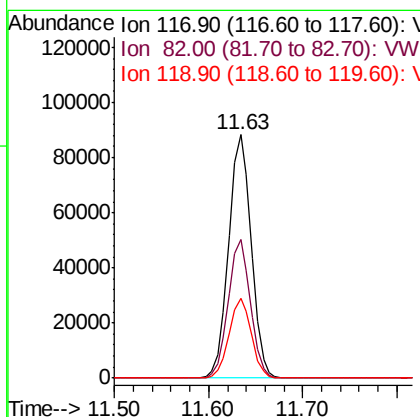
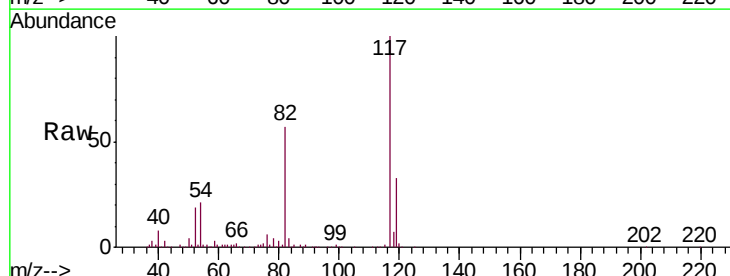
Instrument :
MSVOA_W
ClientSampleId :
P-2A

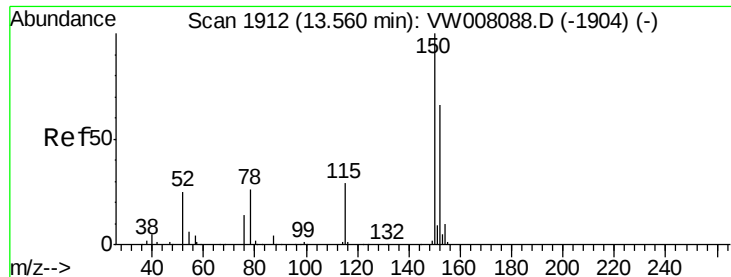
Tgt Ion: 95 Resp: 68287
Ion Ratio Lower Upper
95 100
174 74.7 0.0 143.0
176 72.5 0.0 140.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008247.D
Acq: 14 Jan 2019 15:18

Tgt Ion: 117 Resp: 146773
Ion Ratio Lower Upper
117 100
82 57.2 46.4 69.6
119 32.8 24.7 37.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008247.D

Acq: 14 Jan 2019 15:18

Instrument :

MSVOA_W

ClientSampleId :

P-2A

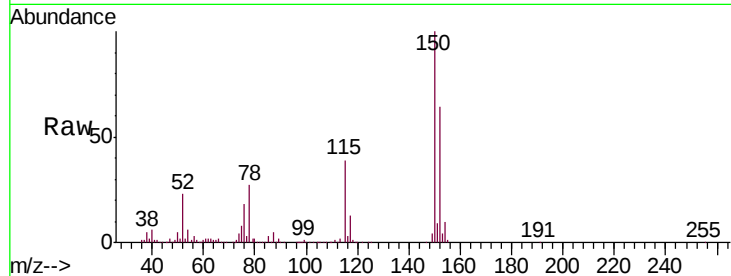
Tgt Ion:152 Resp: 67862

Ion Ratio Lower Upper

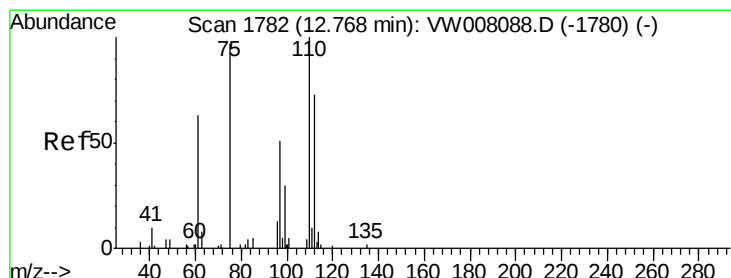
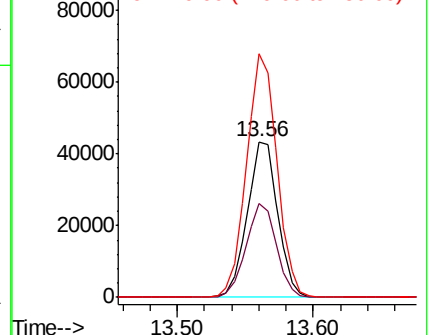
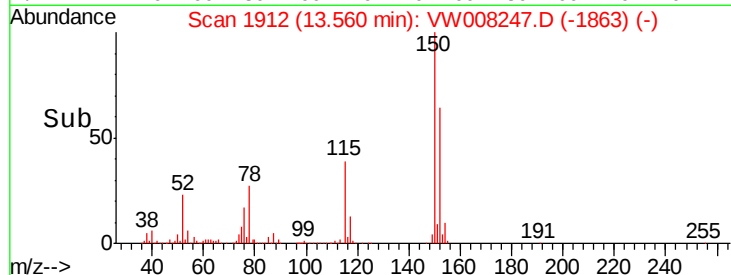
152 100

115 60.4 30.8 92.4

150 157.0 0.0 350.2



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: 55.110 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008247.D

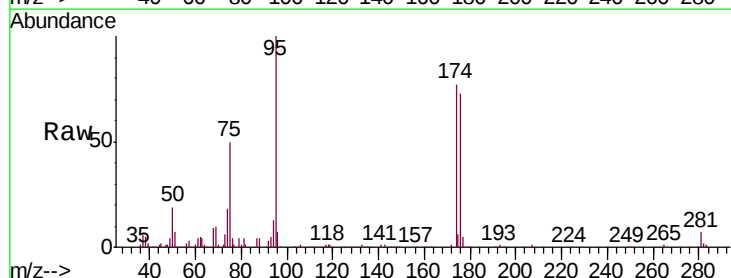
Acq: 14 Jan 2019 15:18

Tgt Ion: 75 Resp: 34093

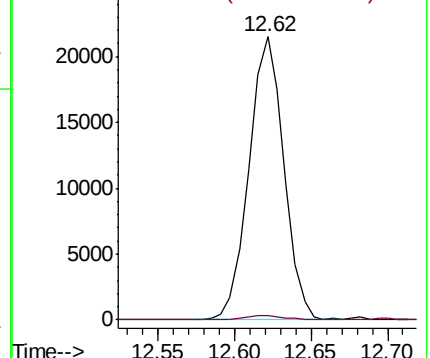
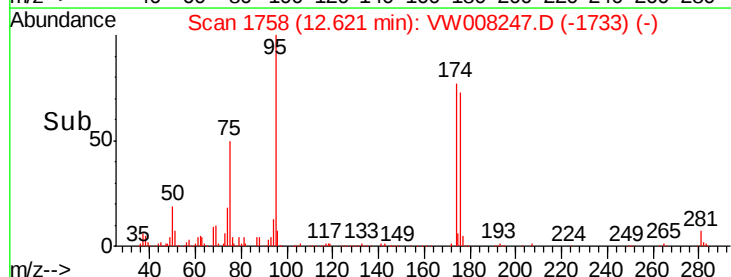
Ion Ratio Lower Upper

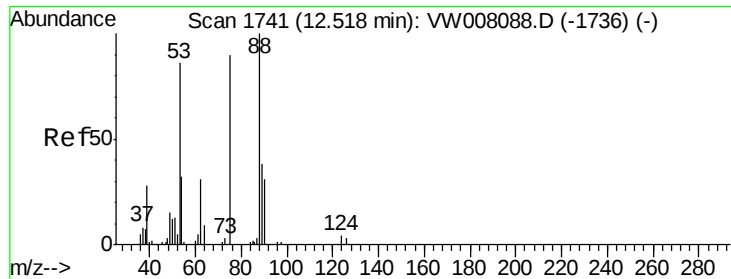
75 100

77 1.7 179.4 538.2#



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: 128.334 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008247.D

Acq: 14 Jan 2019 15:18

Instrument :

MSVOA_W

ClientSampleId :

P-2A

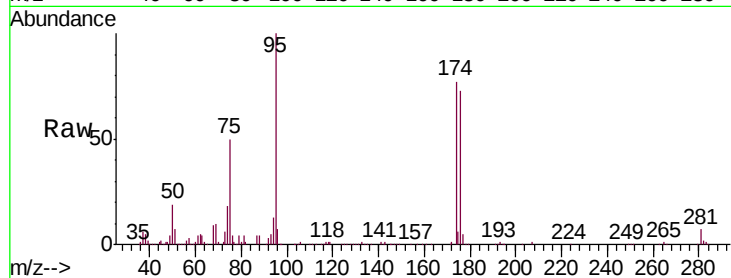
Tgt Ion: 75 Resp: 34093

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.2 35.4 53.2#



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

