

Data File : VW008292.D
Acq On : 15 Jan 2019 20:02
Operator : SY/VA
Sample : K1147-22
Misc : 6.25G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-8

Quant Time: Jan 16 00:55:00 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	75654	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	138969	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	129936	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	60213	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	49614	58.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.70%	
35) Dibromofluoromethane	7.88	113	47043	58.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.08%	
50) Toluene-d8	10.32	98	181808	53.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.90%	
62) 4-Bromofluorobenzene	12.62	95	59829	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	

Target Compounds

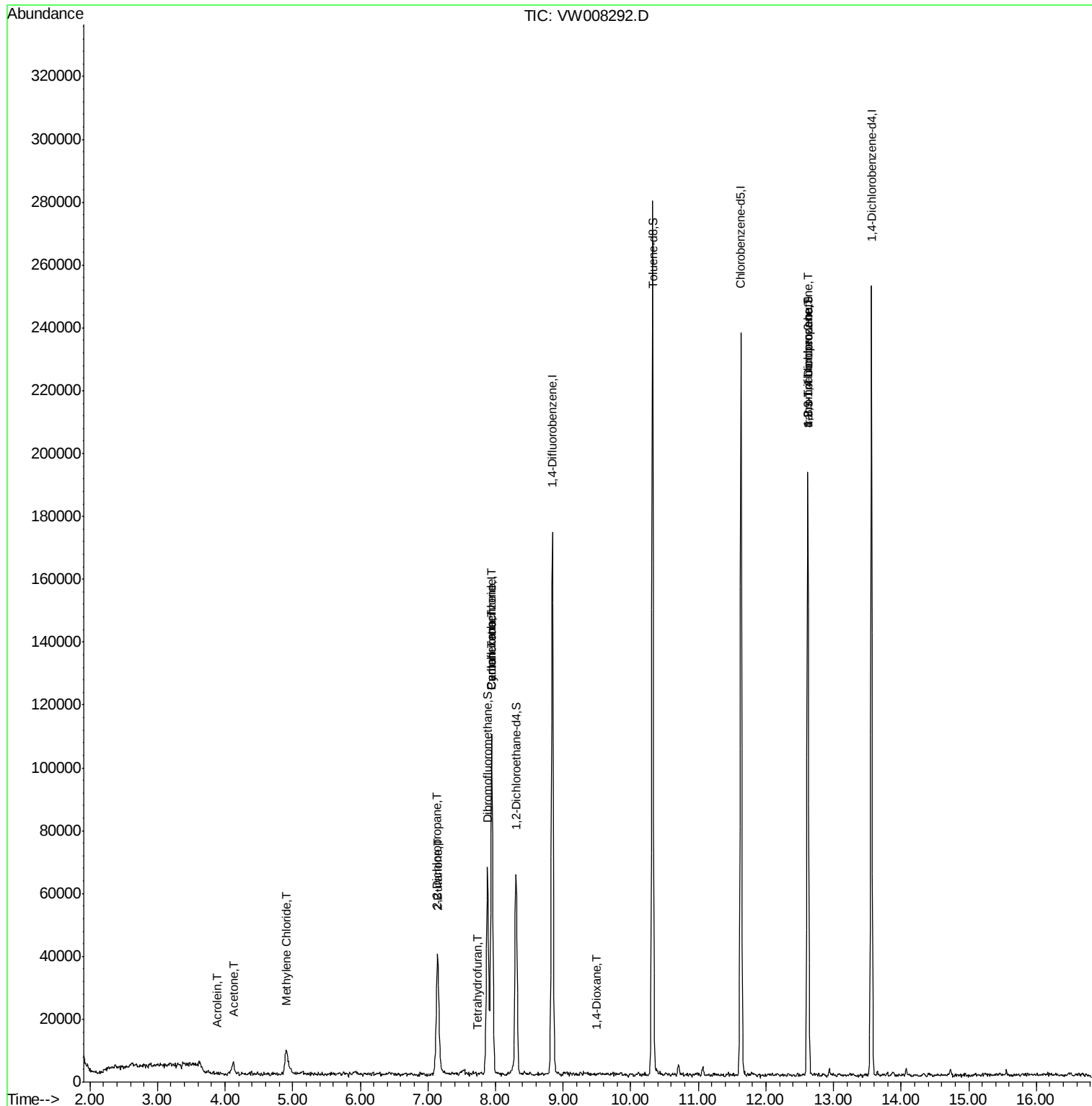
						Qvalue
11) Tert butyl alcohol	5.24	59	97	Below Cal	#	100
13) Acrolein	3.89	56	151	1.178	ug/l #	42
16) Acetone	4.12	43	6246	21.539	ug/l	92
20) Methylene Chloride	4.90	84	6283	2.984	ug/l #	84
25) 2-Butanone	7.15	43	3147	13.302	ug/l #	89
26) 2,2-Dichloropropane	7.13	77	2872	2.536	ug/l #	53
29) Tetrahydrofuran	7.73	42	176	1.114	ug/l	93
31) Cyclohexane	7.95	56	1894	1.058	ug/l #	1
38) Carbon Tetrachloride	7.95	117	8109	6.189	ug/l #	17
49) 1,4-Dioxane	9.50	88	23	3.025	ug/l #	94
76) 1,2,3-Trichloropropane	12.62	75	30494	55.554	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	30494	129.368	ug/l #	10

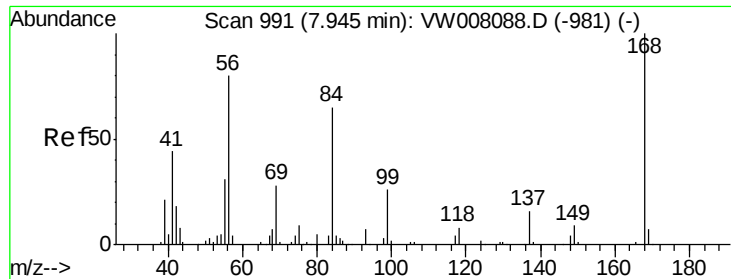
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008292.D

Acq: 15 Jan 2019 20:02

Instrument :

MSVOA_W

ClientSampled :

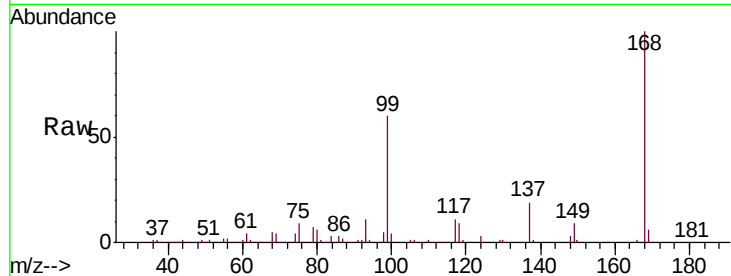
TP-8

Tgt Ion:168 Resp: 75654

Ion Ratio Lower Upper

168 100

99 60.1 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

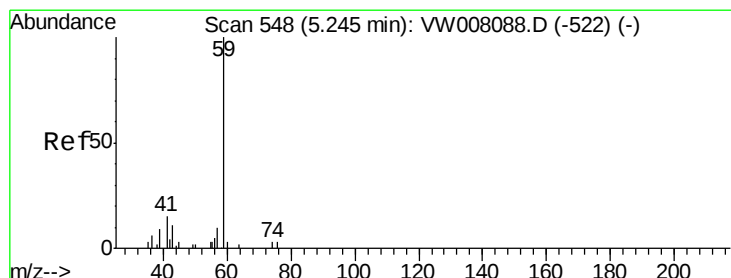
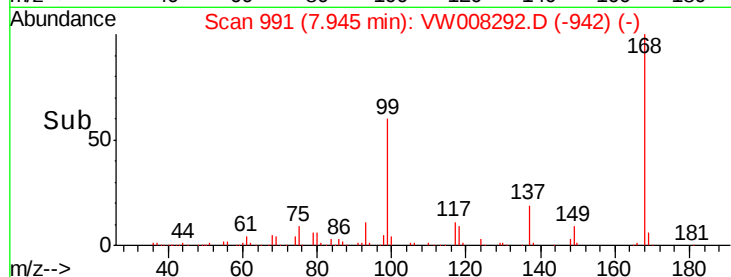
20000

10000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.24 min Scan# 548

Delta R.T. 0.00 min

Lab File: VW008292.D

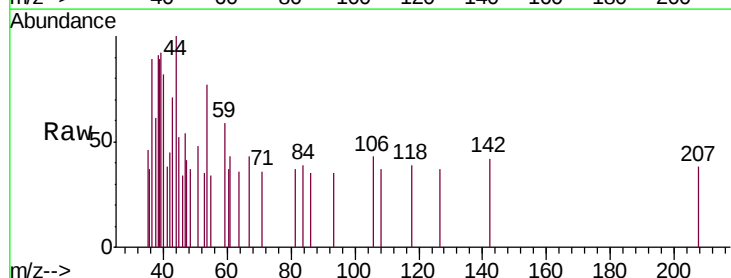
Acq: 15 Jan 2019 20:02

Tgt Ion: 59 Resp: 97

Ion Ratio Lower Upper

59 100

57 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.24

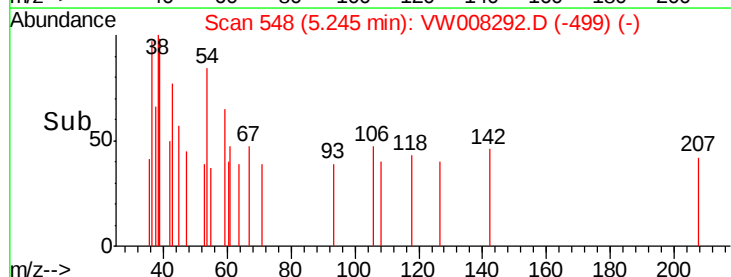
100

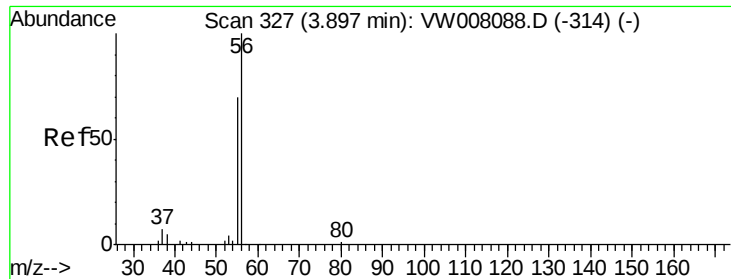
50

0

Time-->

5.22 5.24 5.26





#13

Acrolein

Concen: 1.178 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW008292.D

Acq: 15 Jan 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

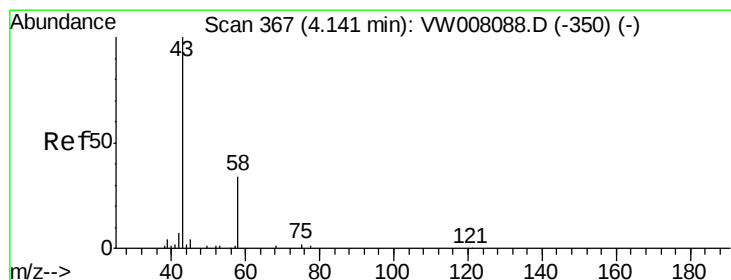
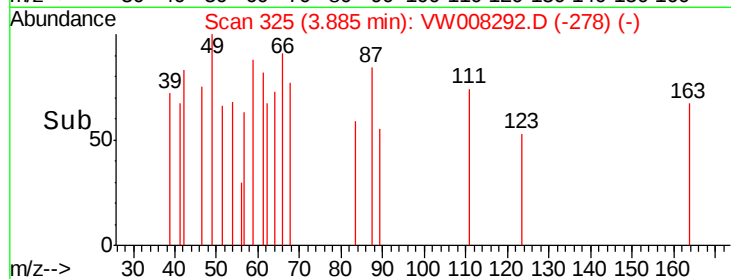
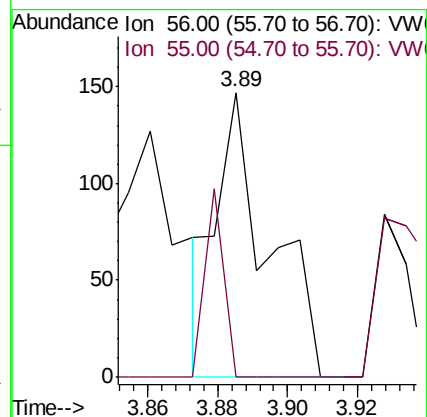
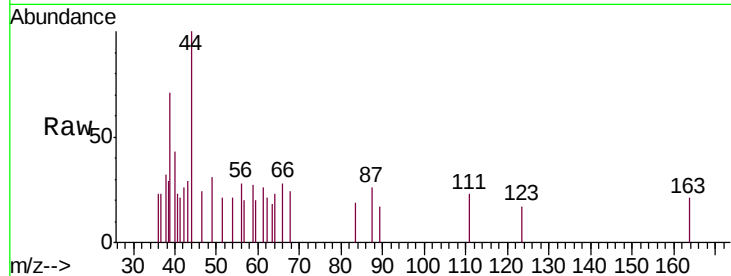
TP-8

Tgt Ion: 56 Resp: 151

Ion Ratio Lower Upper

56 100

55 23.2 56.6 84.8#



#16

Acetone

Concen: 21.539 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW008292.D

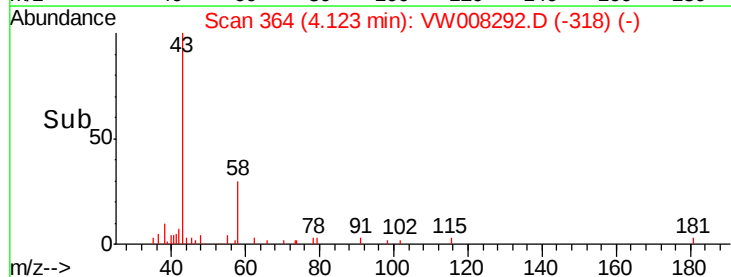
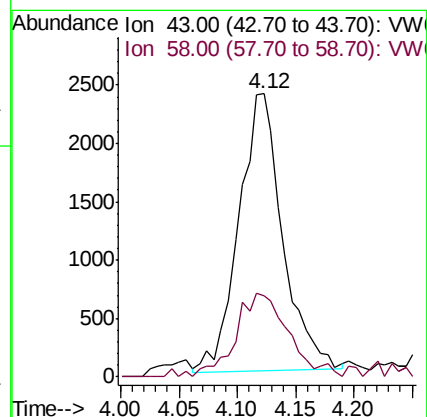
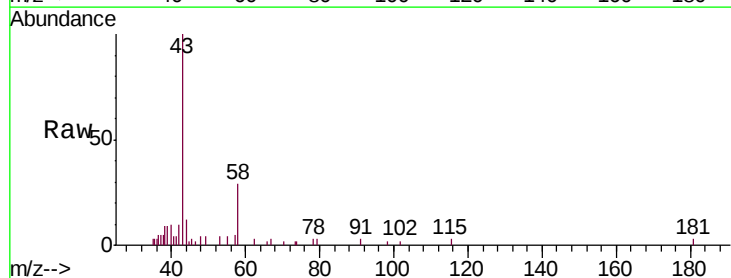
Acq: 15 Jan 2019 20:02

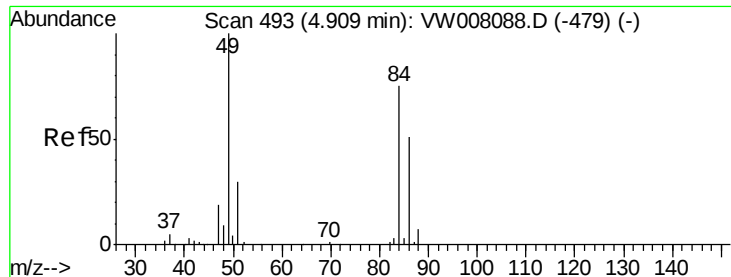
Tgt Ion: 43 Resp: 6246

Ion Ratio Lower Upper

43 100

58 29.6 27.5 41.3

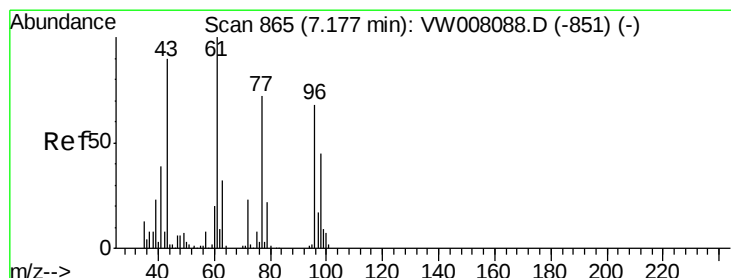
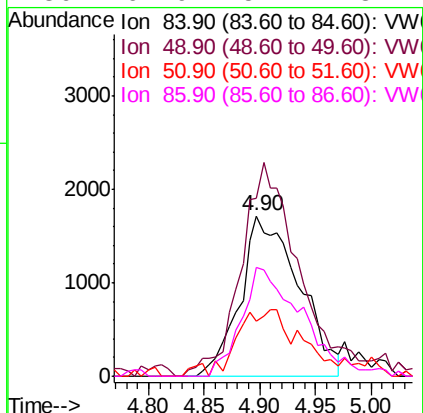
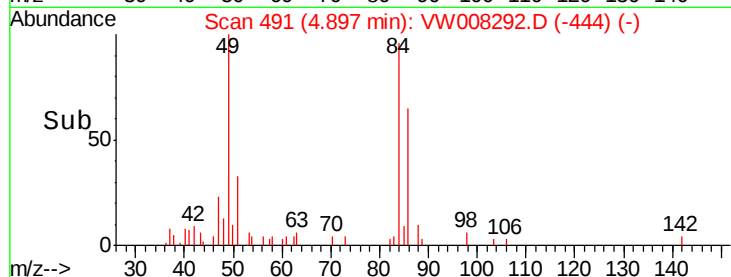
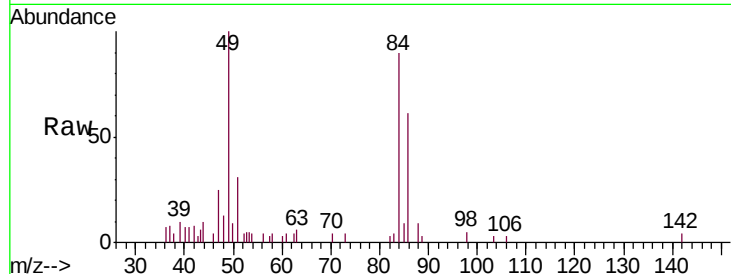




#20
Methylene Chloride
Concen: 2.984 ug/l
RT: 4.90 min Scan# 491
Delta R.T. -0.01 min
Lab File: VW008292.D
Acq: 15 Jan 2019 20:02

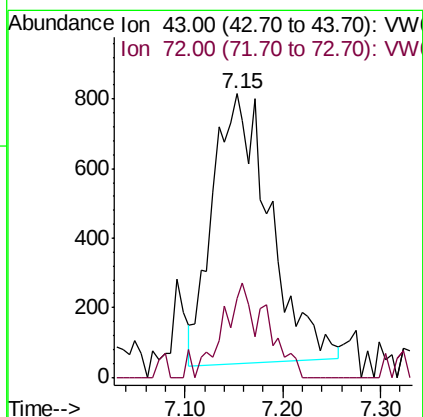
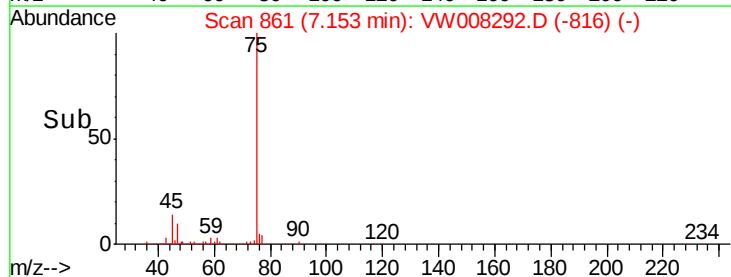
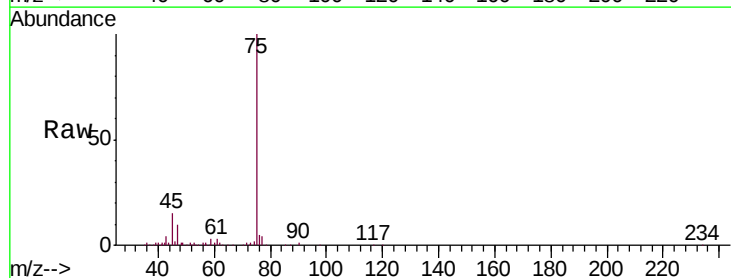
Instrument :
MSVOA_W
ClientSampled :
TP-8

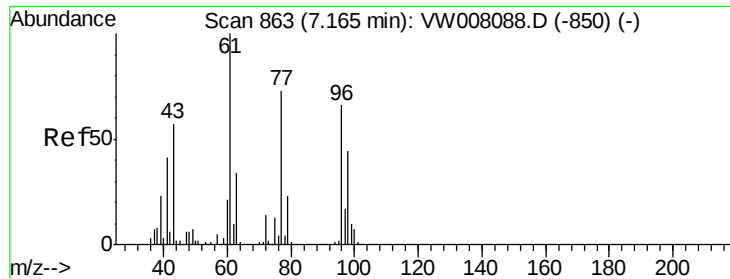
Tgt Ion: 84 Resp: 6283
Ion Ratio Lower Upper
84 100
49 106.7 107.1 160.7#
51 29.7 32.4 48.6#
86 67.9 54.2 81.4



#25
2-Butanone
Concen: 13.302 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: VW008292.D
Acq: 15 Jan 2019 20:02

Tgt Ion: 43 Resp: 3147
Ion Ratio Lower Upper
43 100
72 31.2 20.5 30.7#

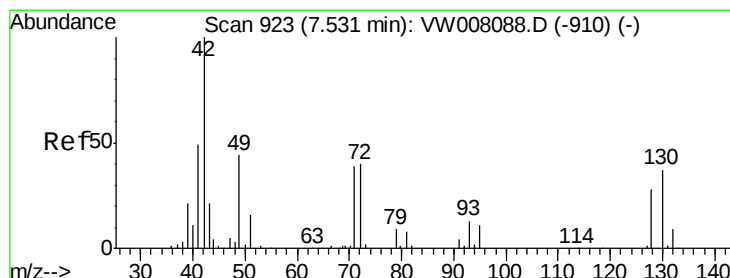
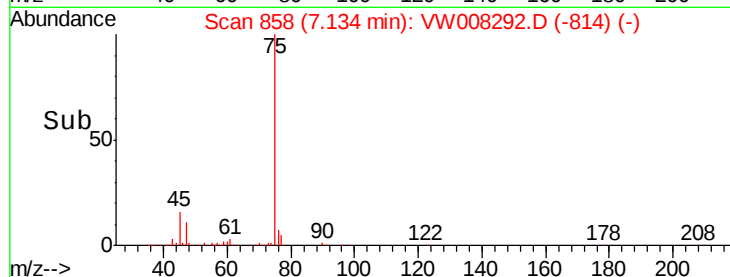
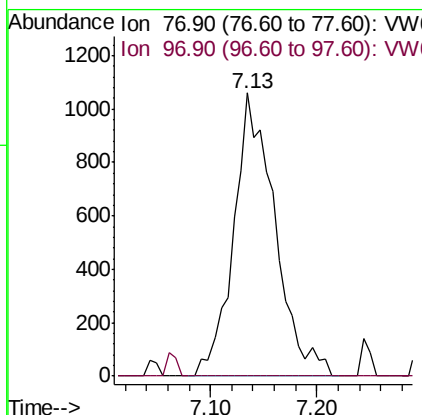
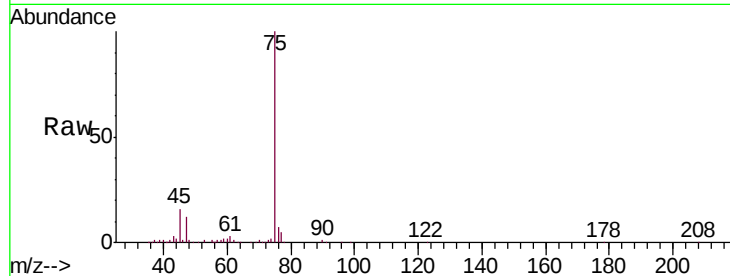




#26
 2,2-Dichloropropane
 Concen: 2.536 ug/l
 RT: 7.13 min Scan# 858
 Delta R.T. -0.03 min
 Lab File: VW008292.D
 Acq: 15 Jan 2019 20:02

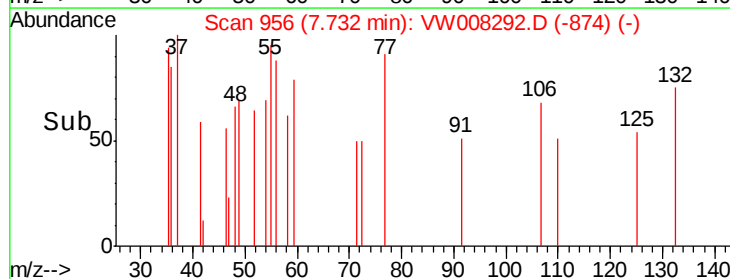
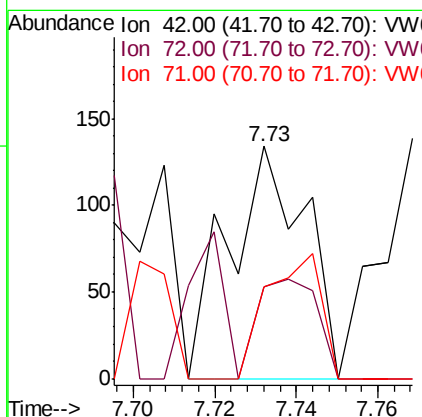
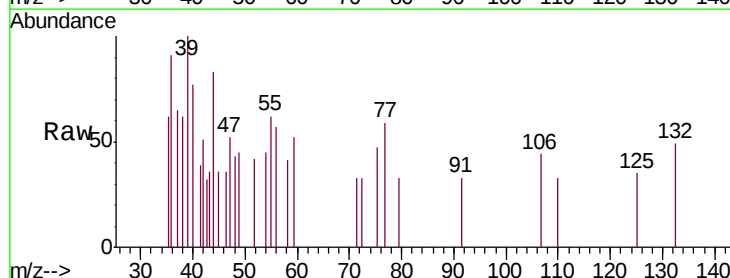
Instrument :
 MSVOA_W
 ClientSampled :
 TP-8

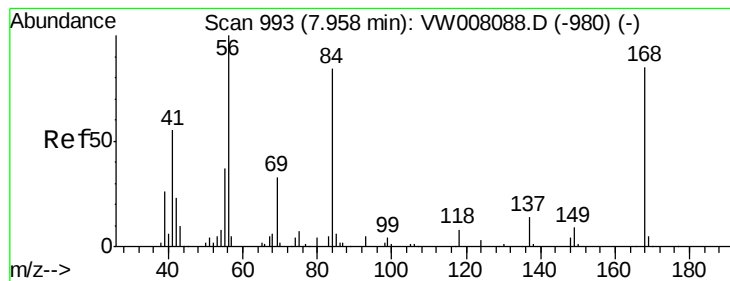
Tgt Ion: 77 Resp: 2872
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.4 34.1#



#29
 Tetrahydrofuran
 Concen: 1.114 ug/l
 RT: 7.73 min Scan# 956
 Delta R.T. 0.20 min
 Lab File: VW008292.D
 Acq: 15 Jan 2019 20:02

Tgt Ion: 42 Resp: 176
 Ion Ratio Lower Upper
 42 100
 72 33.5 32.4 48.6
 71 38.1 31.3 46.9





#31

Cyclohexane

Concen: 1.058 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008292.D

Acq: 15 Jan 2019 20:02

Instrument :

MSVOA_W

ClientSampled :

TP-8

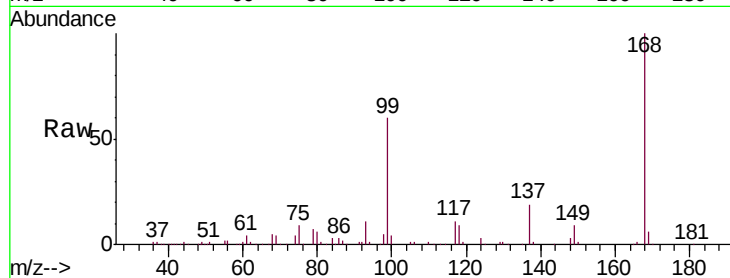
Tgt Ion: 56 Resp: 1894

Ion Ratio Lower Upper

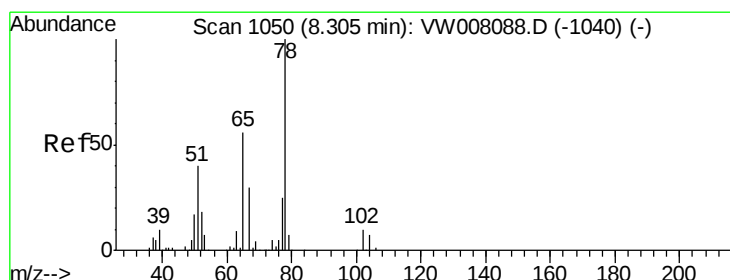
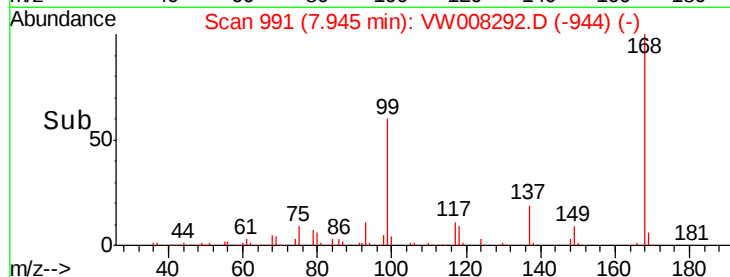
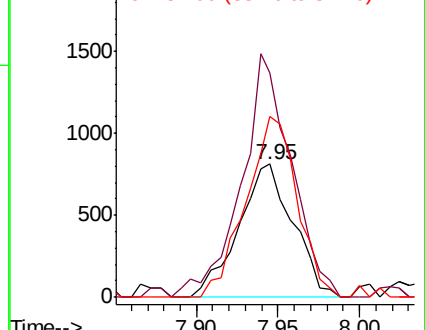
56 100

69 168.4 26.2 39.4#

84 146.0 67.4 101.2#



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: 58.350 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008292.D

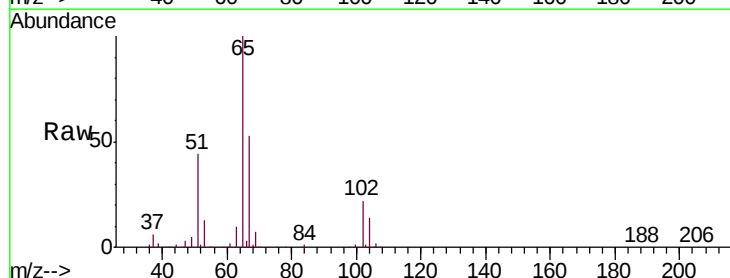
Acq: 15 Jan 2019 20:02

Tgt Ion: 65 Resp: 49614

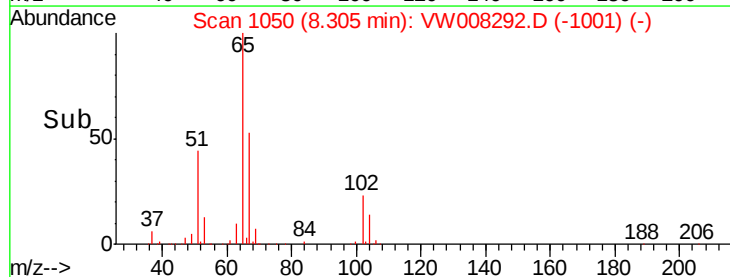
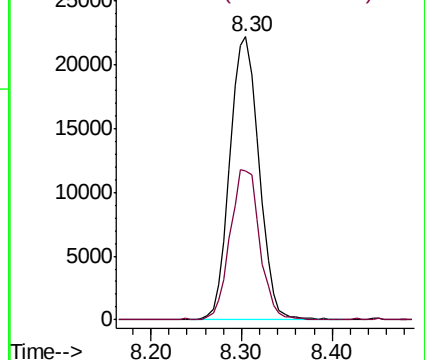
Ion Ratio Lower Upper

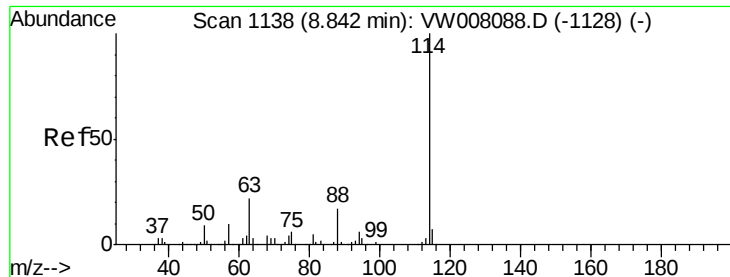
65 100

67 53.9 0.0 106.8



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

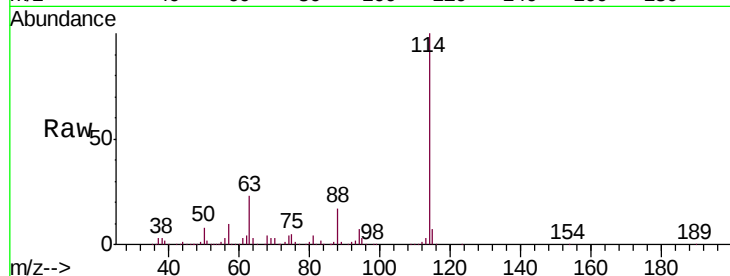




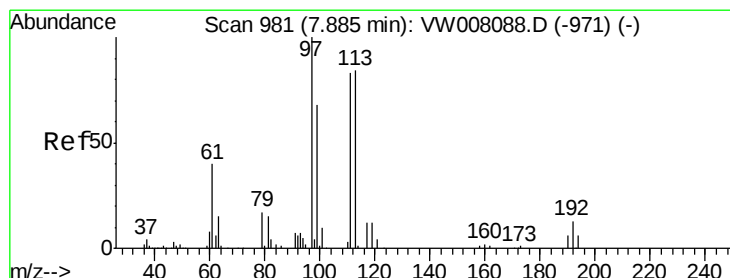
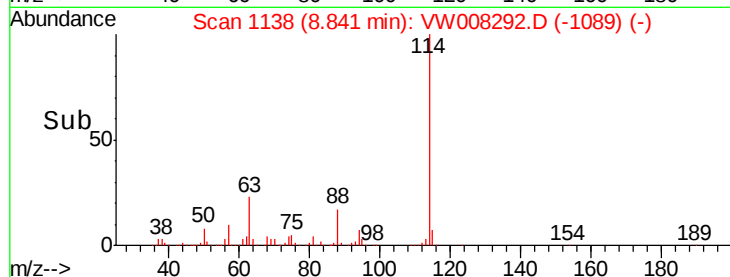
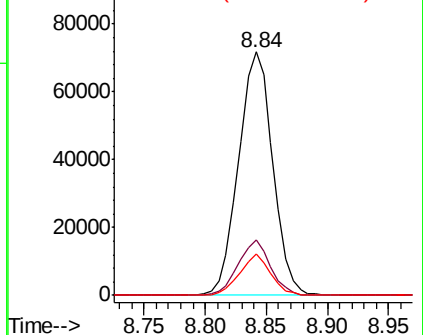
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008292.D
 Acq: 15 Jan 2019 20:02

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-8

Tgt Ion:114 Resp: 138969
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 43.4
 88 16.8 0.0 33.4

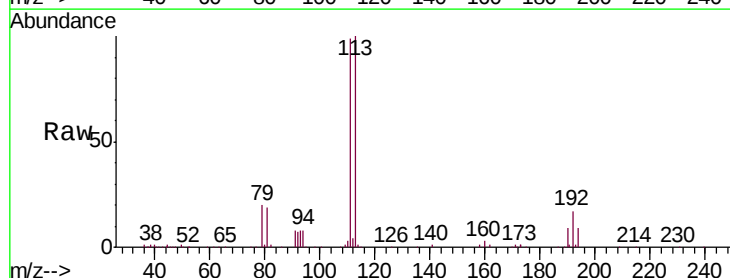


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

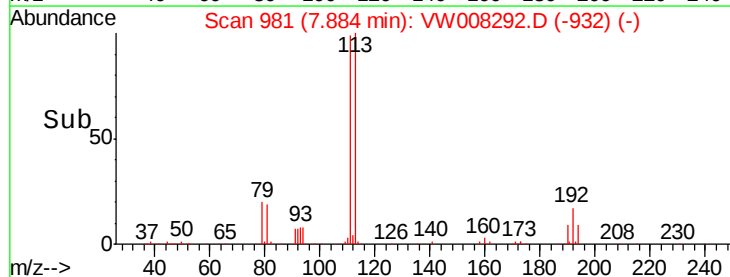
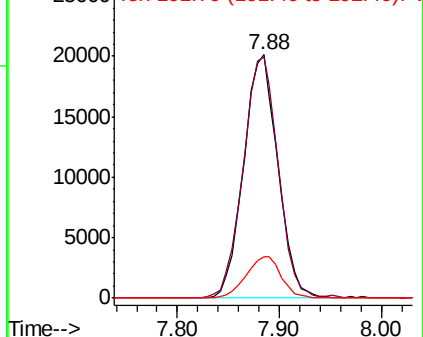


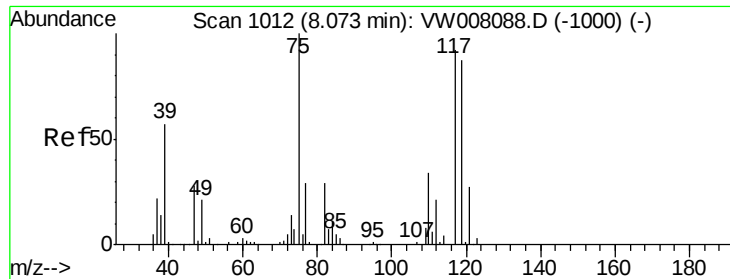
#35
 Dibromofluoromethane
 Concen: 58.040 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008292.D
 Acq: 15 Jan 2019 20:02

Tgt Ion:113 Resp: 47043
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.8 122.8
 192 17.4 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

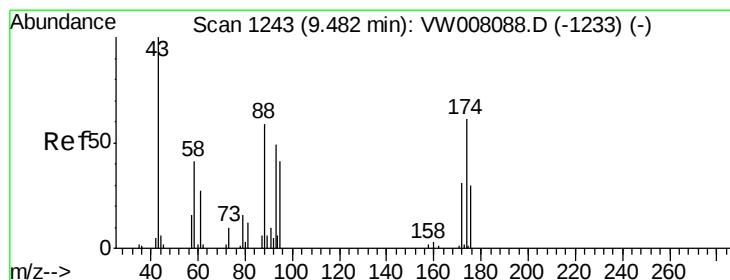
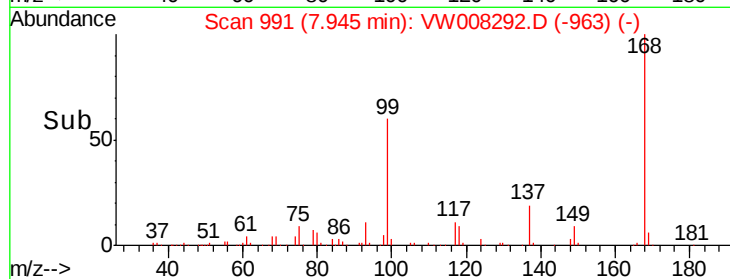
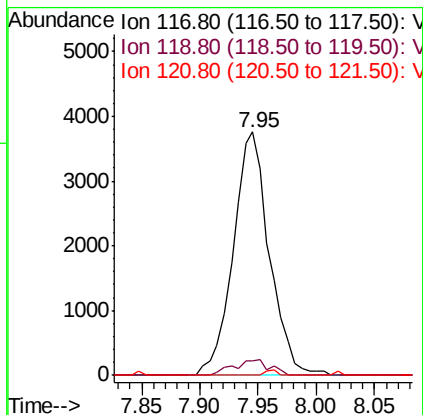
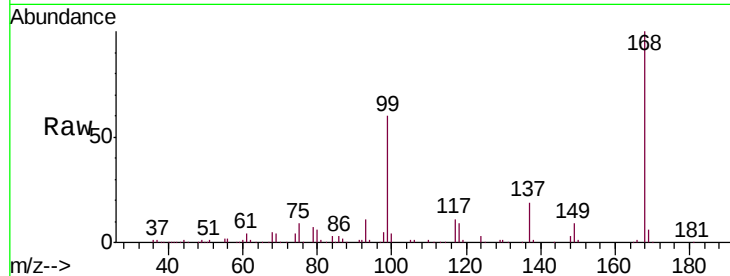




#38
Carbon Tetrachloride
Concen: 6.189 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.13 min
Lab File: VW008292.D
Acq: 15 Jan 2019 20:02

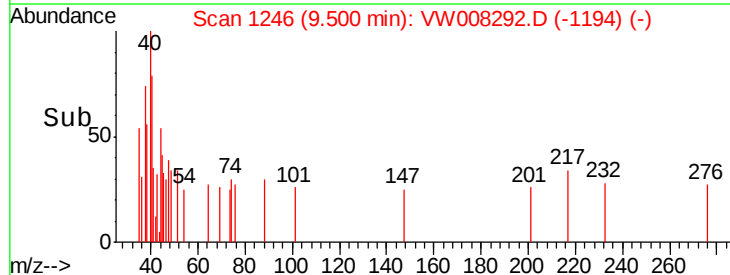
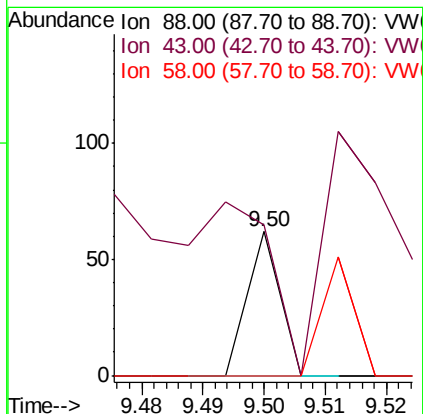
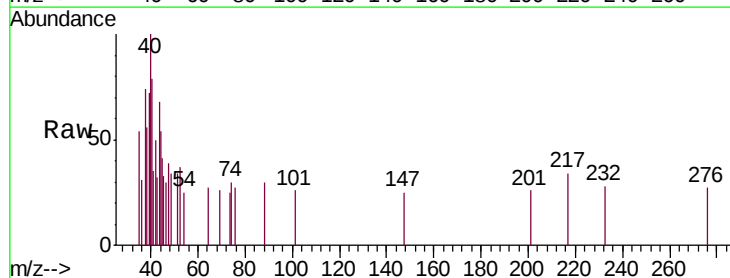
Instrument :
MSVOA_W
ClientSampleId :
TP-8

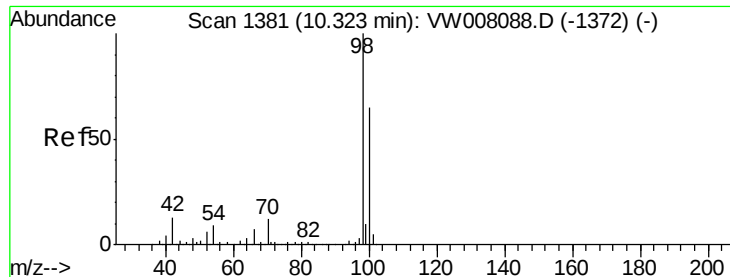
Tgt Ion: 117 Resp: 8109
Ion Ratio Lower Upper
117 100
119 5.8 75.8 113.8#
121 0.0 23.7 35.5#



#49
1,4-Dioxane
Concen: 3.025 ug/l
RT: 9.50 min Scan# 1246
Delta R.T. 0.02 min
Lab File: VW008292.D
Acq: 15 Jan 2019 20:02

Tgt Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 582.6 0.0 0.0#
58 82.6 61.7 92.5





#50

Toluene-d8

Concen: 53.453 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008292.D

Acq: 15 Jan 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

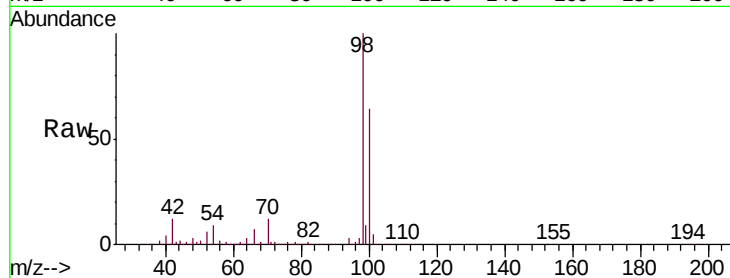
TP-8

Tgt Ion: 98 Resp: 181808

Ion Ratio Lower Upper

98 100

100 62.7 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

100000

80000

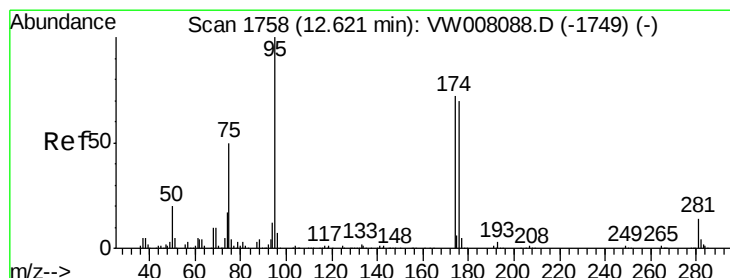
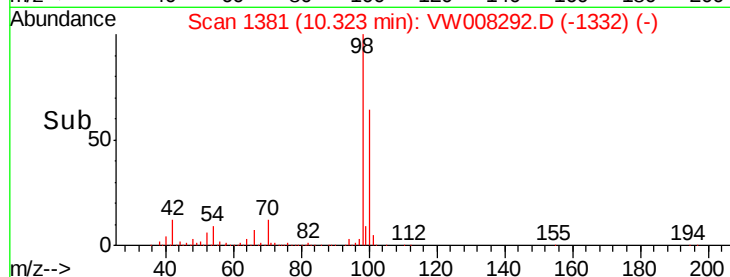
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.066 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008292.D

Acq: 15 Jan 2019 20:02

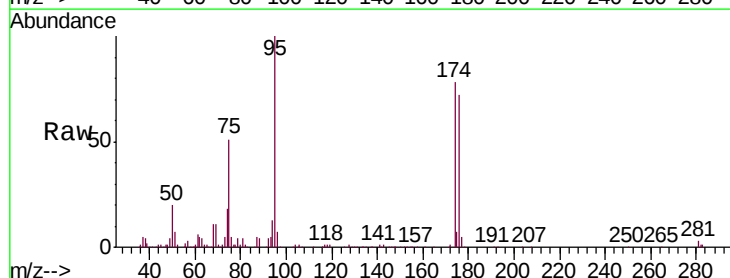
Tgt Ion: 95 Resp: 59829

Ion Ratio Lower Upper

95 100

174 74.6 0.0 143.0

176 70.6 0.0 140.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

50000

40000

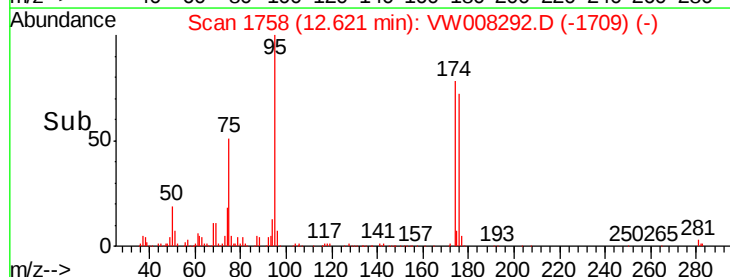
30000

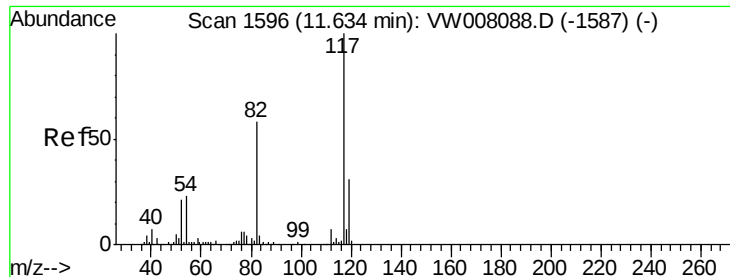
20000

10000

0

Time-->

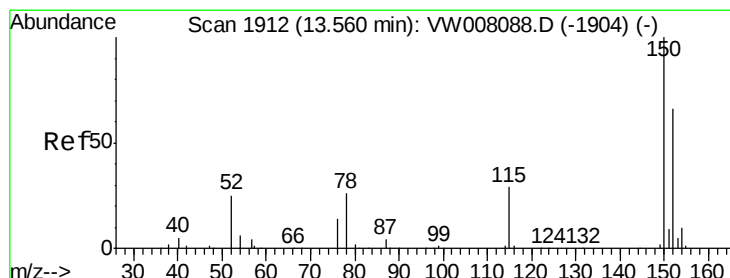
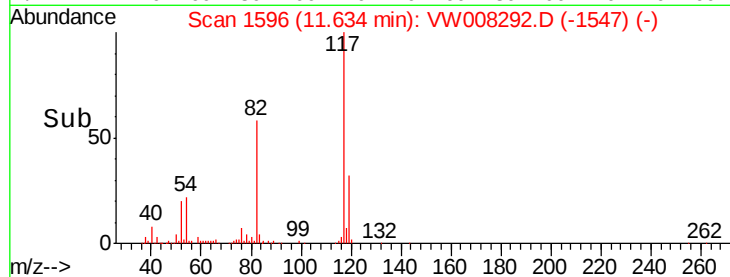
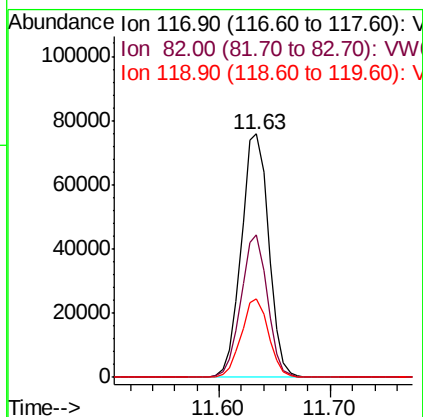
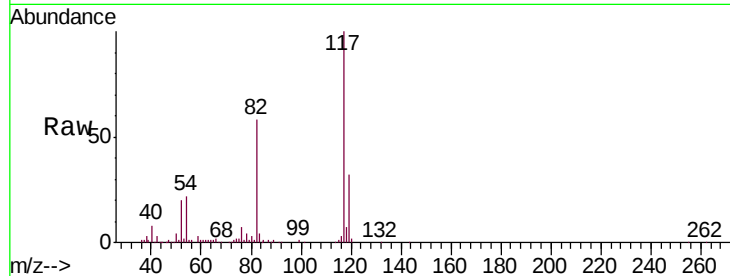




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008292.D
Acq: 15 Jan 2019 20:02

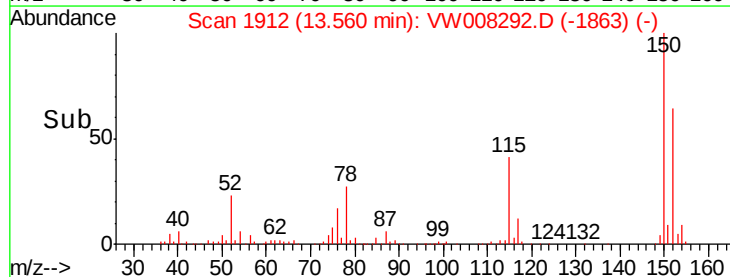
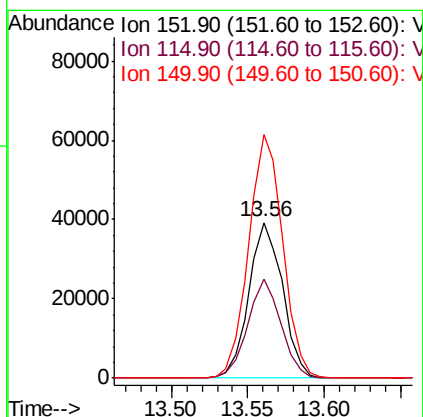
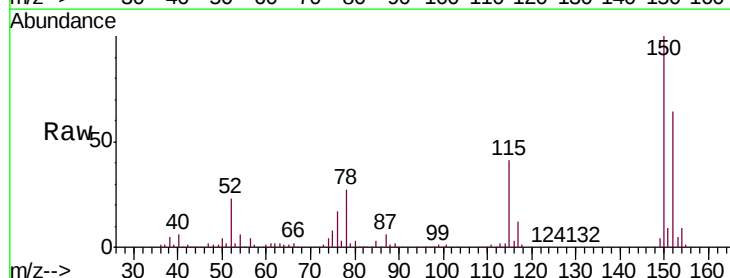
Instrument :
MSVOA_W
ClientSampled :
TP-8

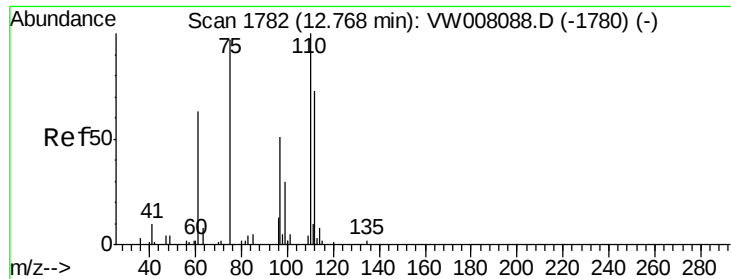
Tgt Ion:117 Resp: 129936
Ion Ratio Lower Upper
117 100
82 58.4 46.4 69.6
119 32.2 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008292.D
Acq: 15 Jan 2019 20:02

Tgt Ion:152 Resp: 60213
Ion Ratio Lower Upper
152 100
115 62.6 30.8 92.4
150 158.3 0.0 350.2





#76

1,2,3-Trichloropropane

Concen: 55.554 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008292.D

Acq: 15 Jan 2019 20:02

Instrument :

MSVOA_W

ClientSampled :

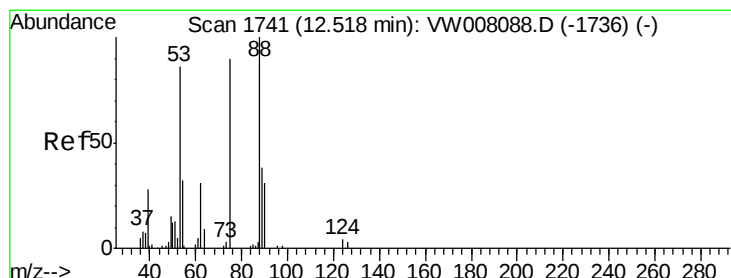
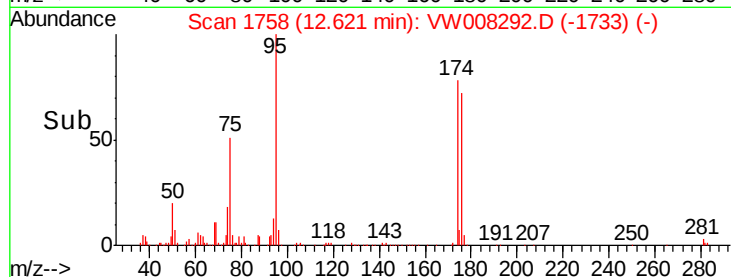
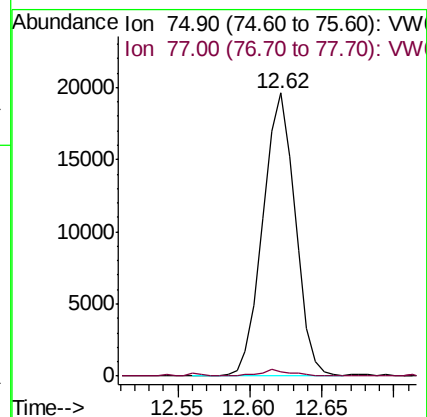
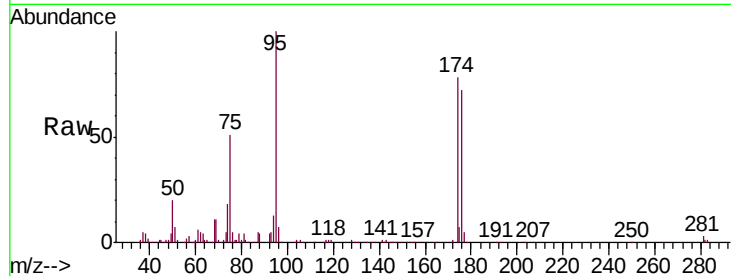
TP-8

Tgt Ion: 75 Resp: 30494

Ion Ratio Lower Upper

75 100

77 2.0 179.4 538.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 129.368 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008292.D

Acq: 15 Jan 2019 20:02

Tgt Ion: 75 Resp: 30494

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.1 35.4 53.2#

