

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121618\
 Data File : VW007494.D
 Acq On : 13 Dec 2018 17:46
 Operator : SY/AP
 Sample : J6370-01
 Misc : 5.31G/6ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S32-0634

Quant Time: Dec 14 04:03:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	90550	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	154405	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	139342	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	68556	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	37154	36.98	ug/l	0.00
Spiked Amount						
			Recovery	=	73.96%	
35) Dibromofluoromethane	7.88	113	34357	36.76	ug/l	0.00
Spiked Amount						
			Recovery	=	73.52%	
50) Toluene-d8	10.32	98	125848	35.91	ug/l	0.00
Spiked Amount						
			Recovery	=	71.82%	
62) 4-Bromofluorobenzene	12.62	95	51714	40.13	ug/l	0.00
Spiked Amount						
			Recovery	=	80.26%	

Target Compounds

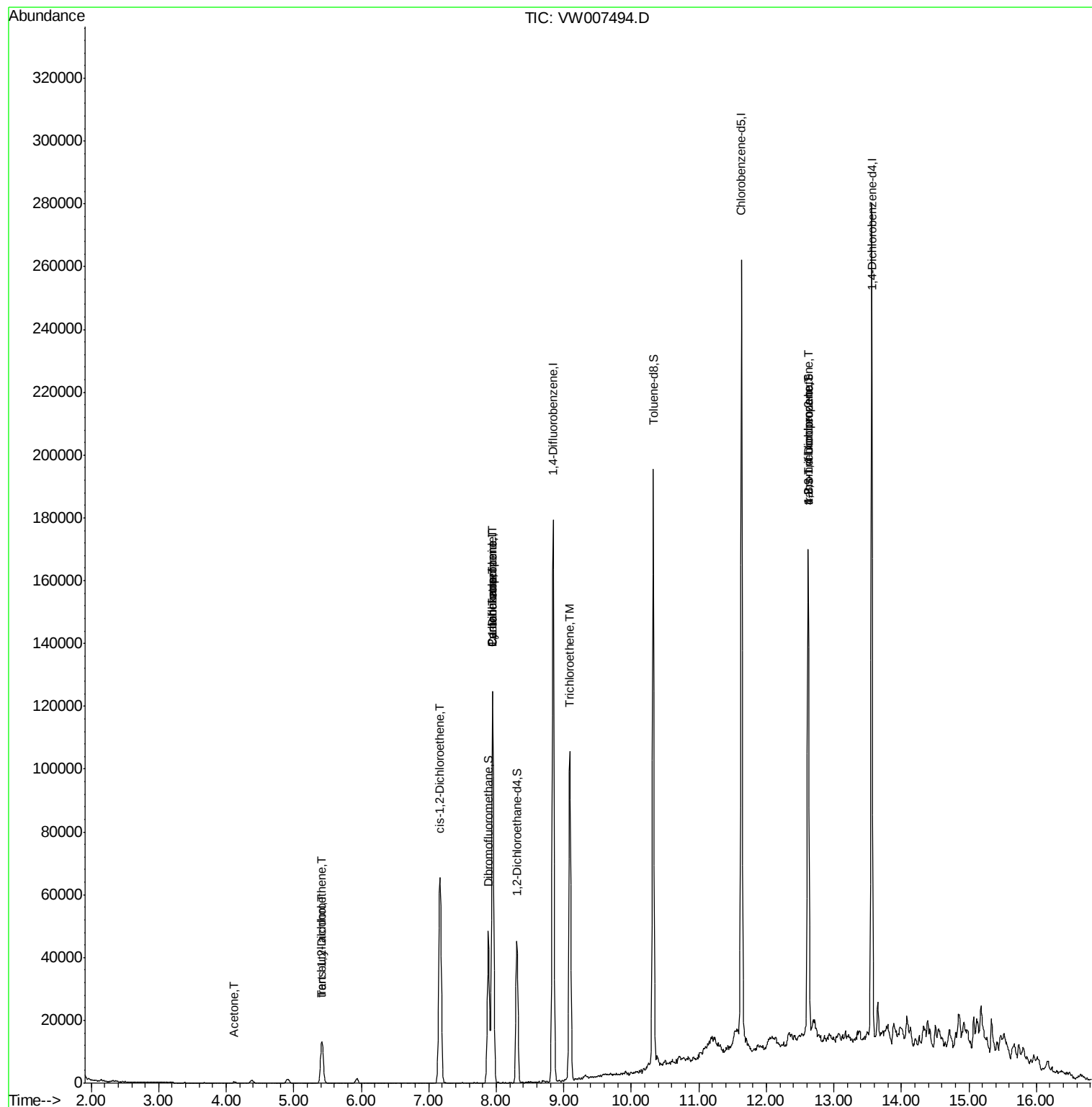
					Qvalue
11) Tert butyl alcohol	5.42	59	346	5.015 ug/l #	74
16) Acetone	4.11	43	915	5.215 ug/l	94
20) Methylene Chloride	4.92	84	786	Below Cal	90
21) trans-1,2-Dichloroethene	5.42	96	8522	8.576 ug/l	96
27) cis-1,2-Dichloroethene	7.16	96	40876	37.569 ug/l	93
31) Cyclohexane	7.94	56	1799	1.153 ug/l #	14
36) 1,1-Dichloropropene	7.95	75	6834	4.852 ug/l #	50
38) Carbon Tetrachloride	7.95	117	9792	6.389 ug/l #	18
44) Trichloroethene	9.09	130	36105	32.345 ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	25946	45.901 ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	25946	101.395 ug/l #	7

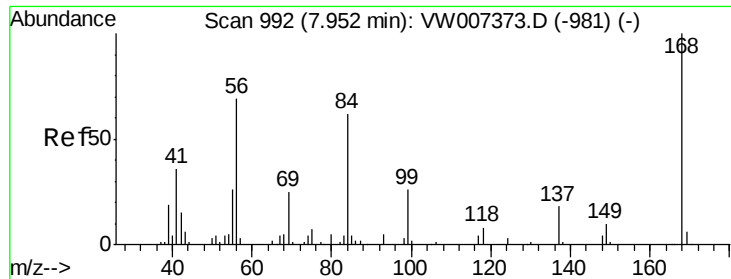
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW121618\
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Quant Title : SW846 8260
QLast Update : Tue Dec 11 02:58:16 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007494.D

Acq: 13 Dec 2018 17:46

Instrument :

MSVOA_W

ClientSampleId :

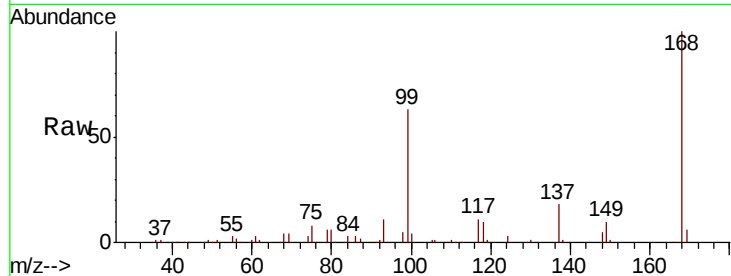
S32-0634

Tot Ion:168 Resp: 90550

Ion Ratio Lower Upper

168 100

99 62.6 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

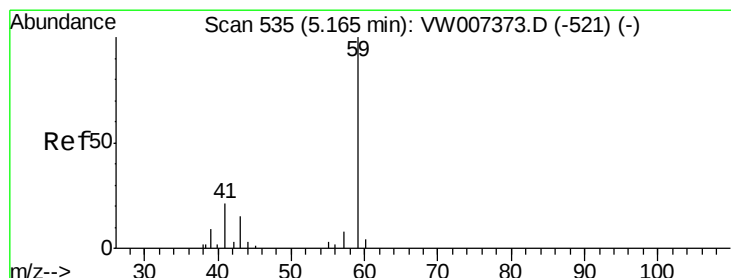
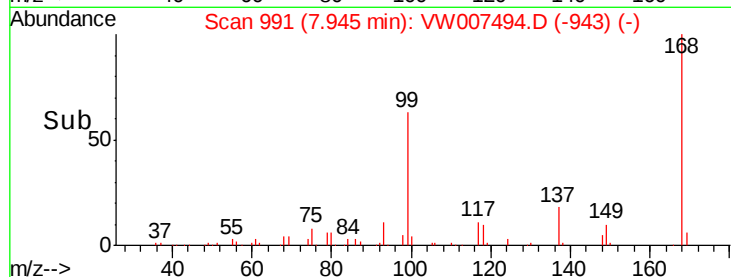
20000

10000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#11

Tert butyl alcohol

Concen: 5.015 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.25 min

Lab File: VW007494.D

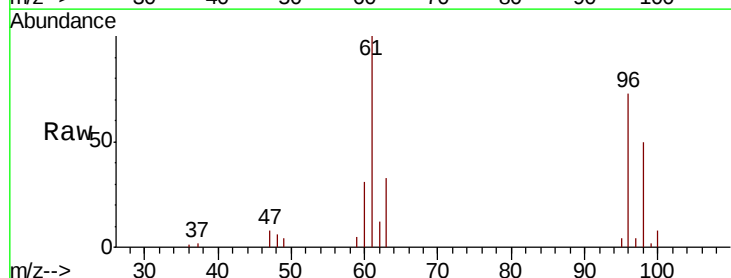
Acq: 13 Dec 2018 17:46

Tgt Ion: 59 Resp: 346

Ion Ratio Lower Upper

59 100

57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.42

200

150

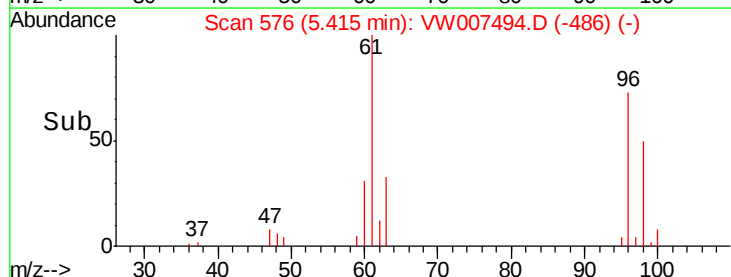
100

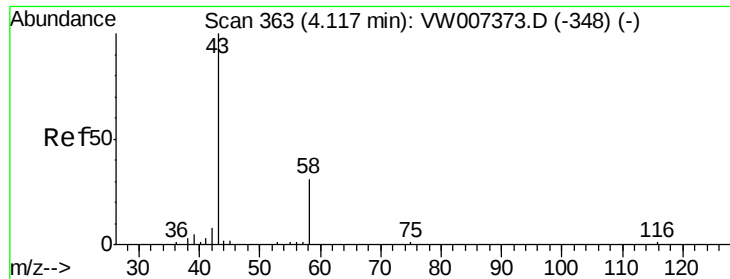
50

0

Time-->

5.38 5.40 5.42 5.44





#16

Acetone

Concen: 5.215 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW007494.D

Acq: 13 Dec 2018 17:46

Instrument :

MSVOA_W

ClientSampleId :

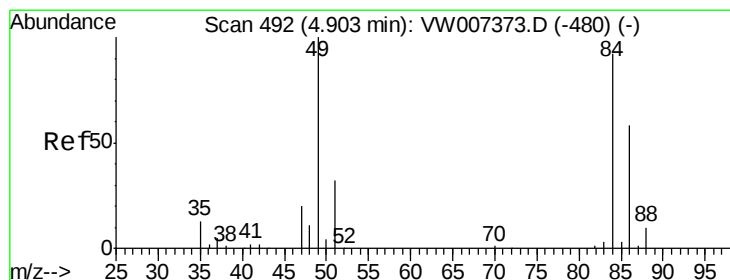
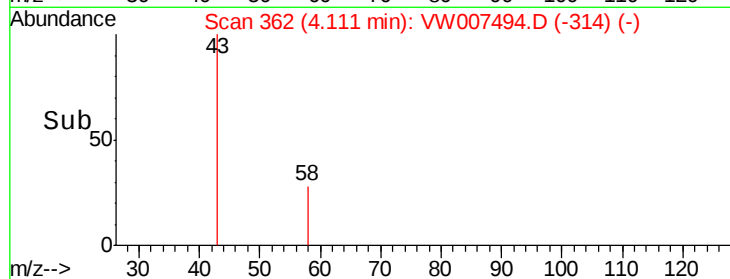
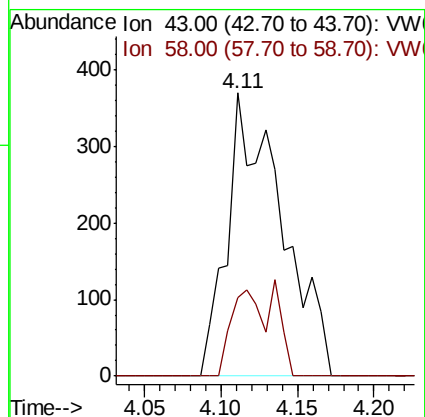
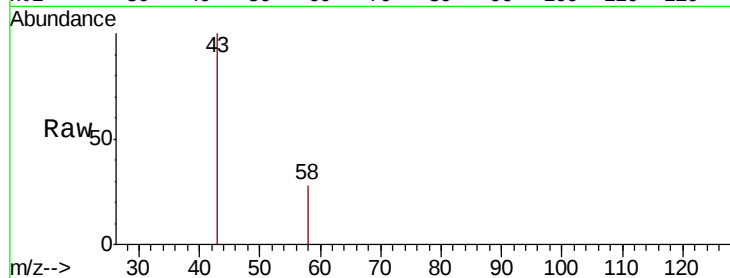
S32-0634

Tot Ion: 43 Resp: 915

Ion Ratio Lower Upper

43 100

58 27.9 24.9 37.3



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW007494.D

Acq: 13 Dec 2018 17:46

Tgt Ion: 84 Resp: 786

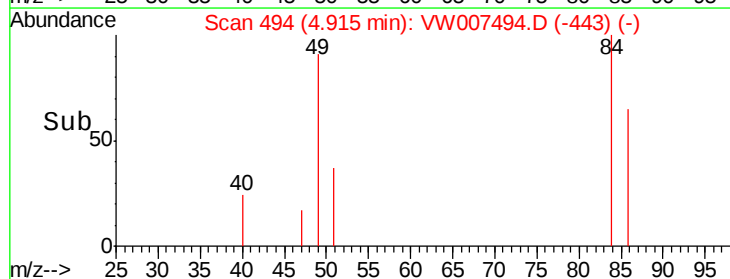
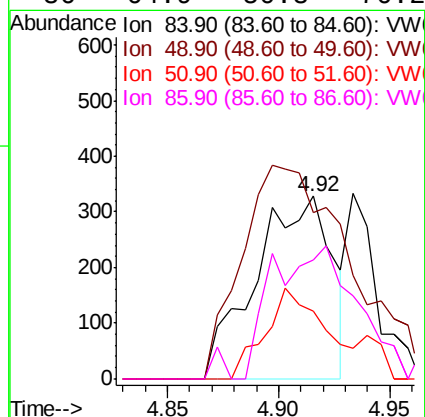
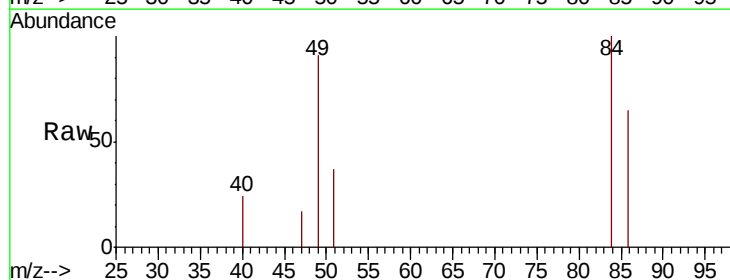
Ion Ratio Lower Upper

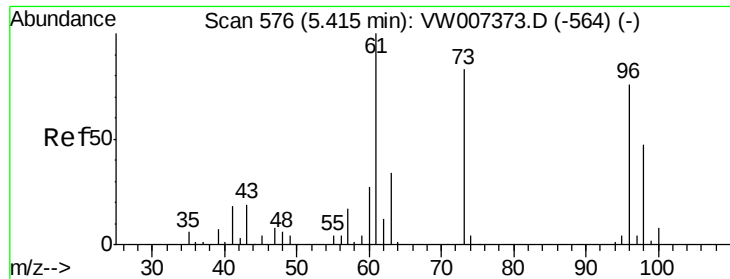
84 100

49 91.2 87.1 130.7

51 36.9 28.2 42.2

86 64.9 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 8.576 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW007494.D

Acq: 13 Dec 2018 17:46

Instrument :

MSVOA_W

ClientSampled :

S32-0634

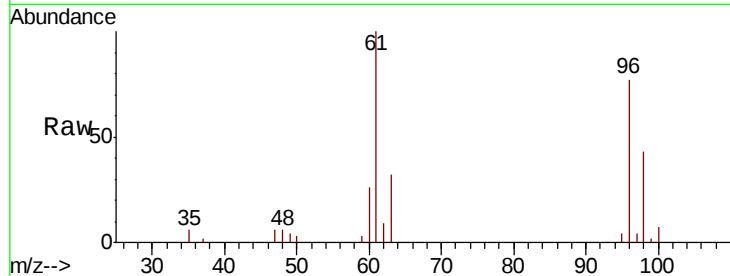
Tot Ion: 96 Resp: 8522

Ion Ratio Lower Upper

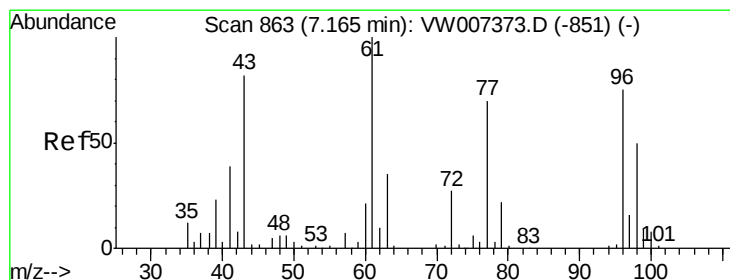
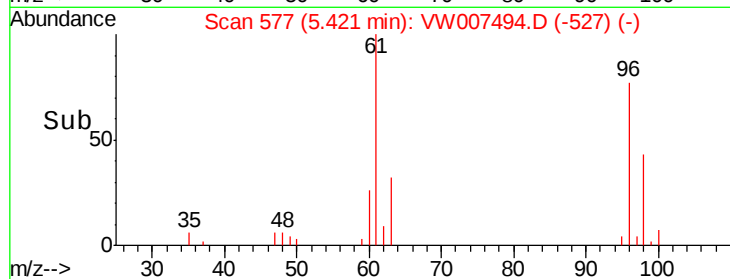
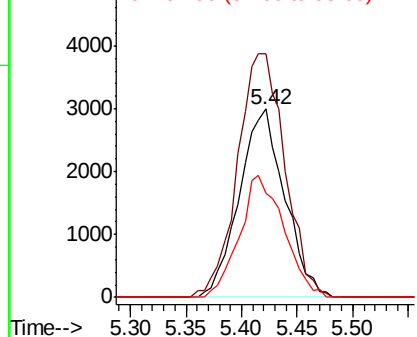
96 100

61 129.5 105.0 157.6

98 55.4 49.7 74.5



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#27

cis-1,2-Dichloroethene

Concen: 37.569 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007494.D

Acq: 13 Dec 2018 17:46

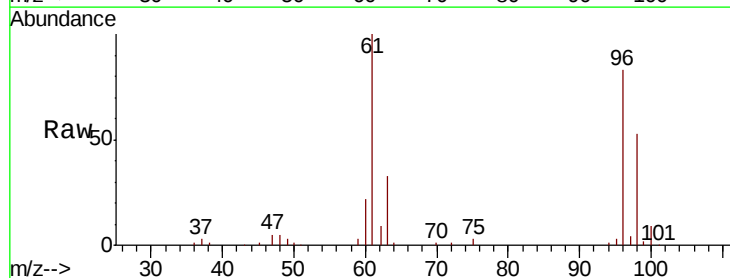
Tgt Ion: 96 Resp: 40876

Ion Ratio Lower Upper

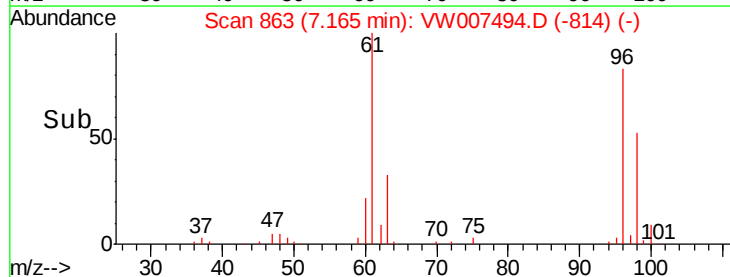
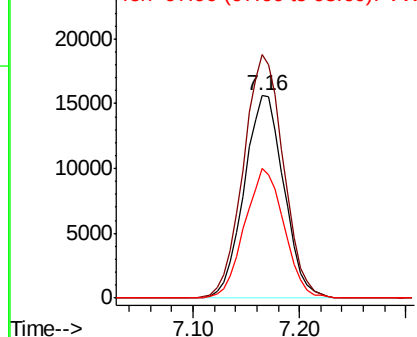
96 100

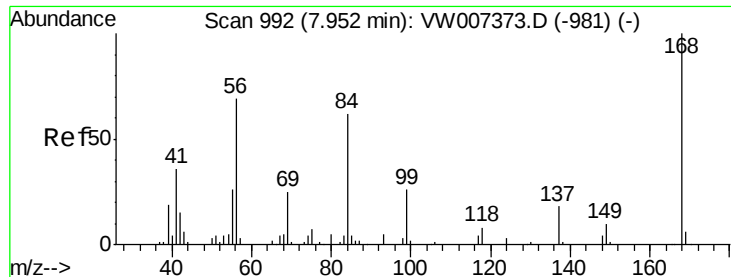
61 121.5 0.0 268.4

98 63.6 0.0 127.8



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW

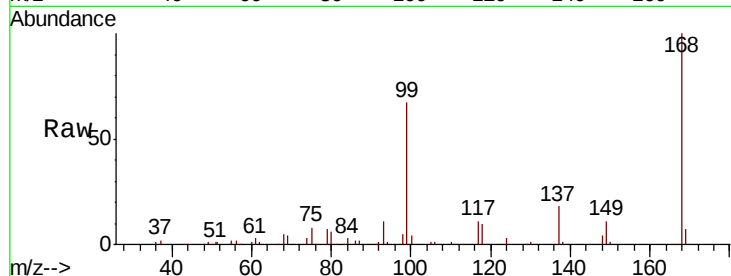




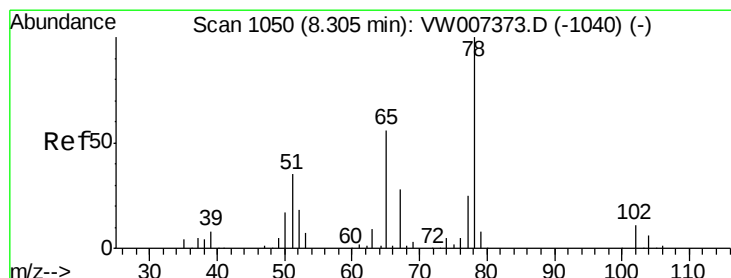
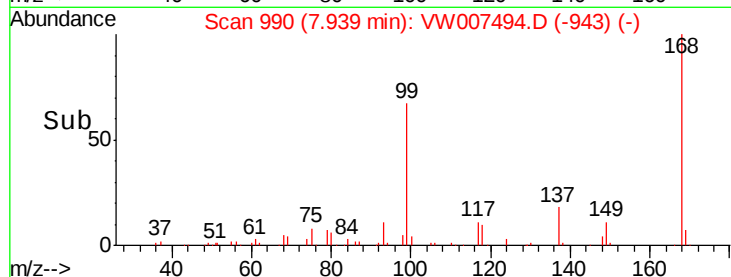
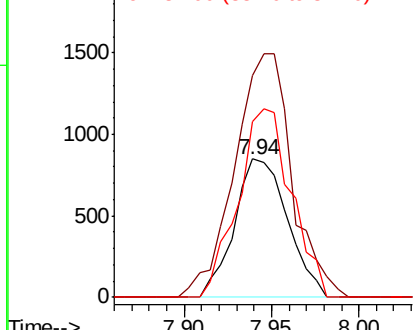
#31
Cyclohexane
Concen: 1.153 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW007494.D
Acq: 13 Dec 2018 17:46

Instrument :
MSVOA_W
ClientSampleId :
S32-0634

Tot Ion: 56 Resp: 1799
Ion Ratio Lower Upper
56 100
69 154.6 28.9 43.3#
84 126.8 71.8 107.6#

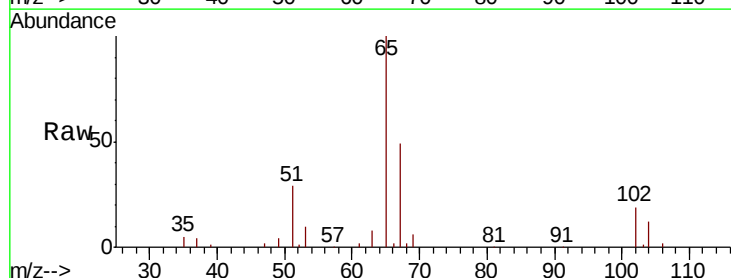


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

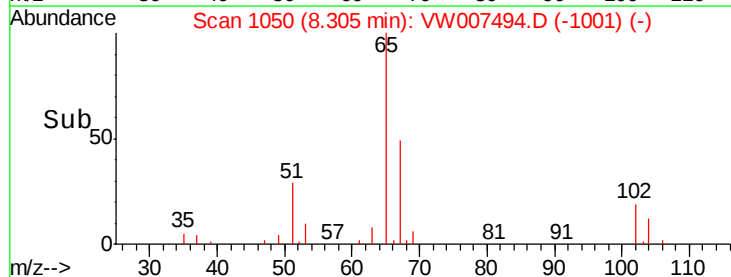
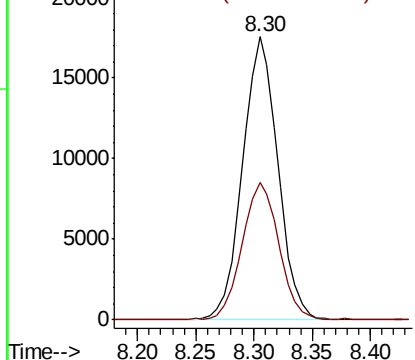


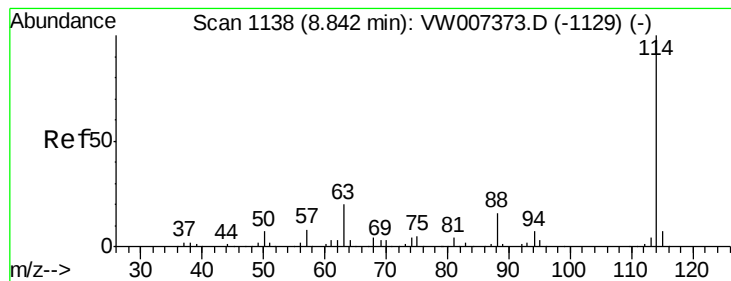
#33
1,2-Dichloroethane-d4
Concen: 36.985 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW007494.D
Acq: 13 Dec 2018 17:46

Tgt Ion: 65 Resp: 37154
Ion Ratio Lower Upper
65 100
67 50.4 0.0 101.6



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: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW007494.D

Acq: 13 Dec 2018 17:46

Instrument :

MSVOA_W

ClientSampleId :

S32-0634

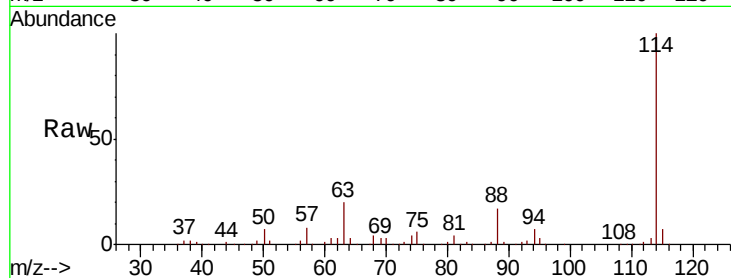
Tot Ion:114 Resp: 154405

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.6

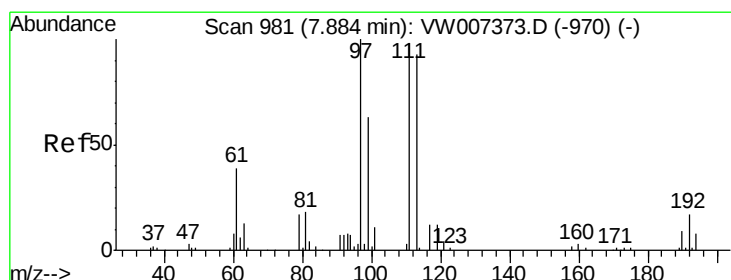
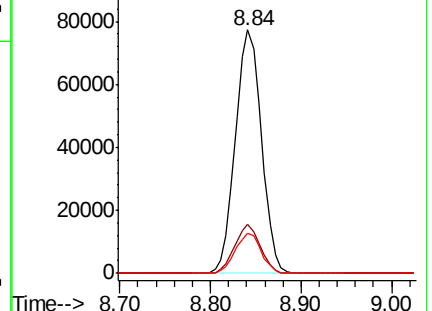
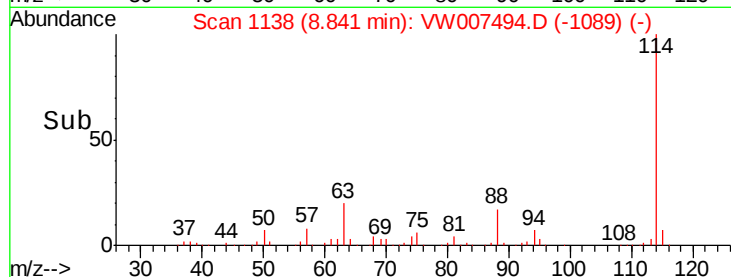
88 16.6 0.0 31.4



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: 36.758 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007494.D

Acq: 13 Dec 2018 17:46

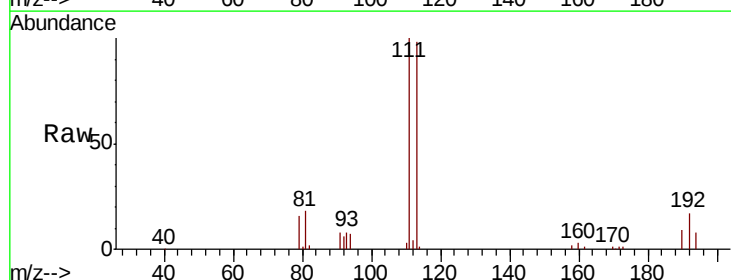
Tgt Ion:113 Resp: 34357

Ion Ratio Lower Upper

113 100

111 102.0 81.1 121.7

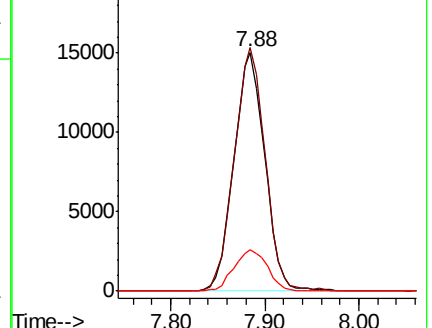
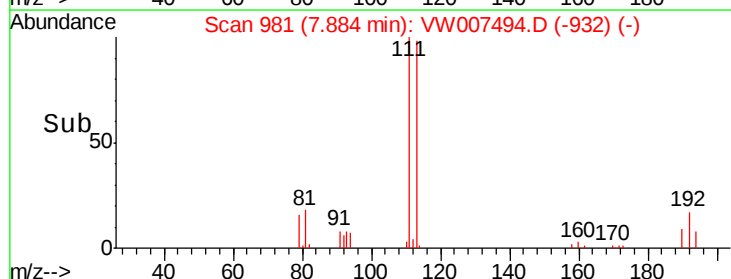
192 18.6 14.6 21.8

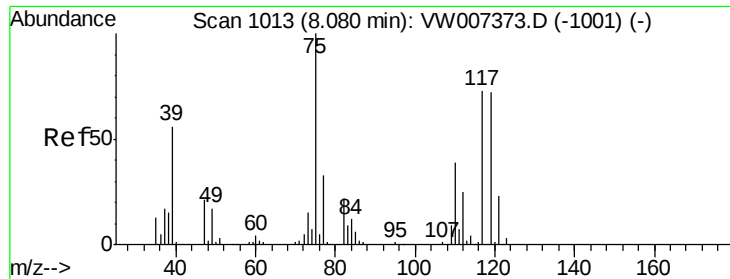


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

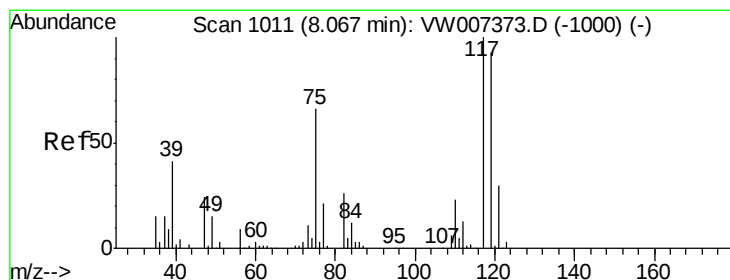
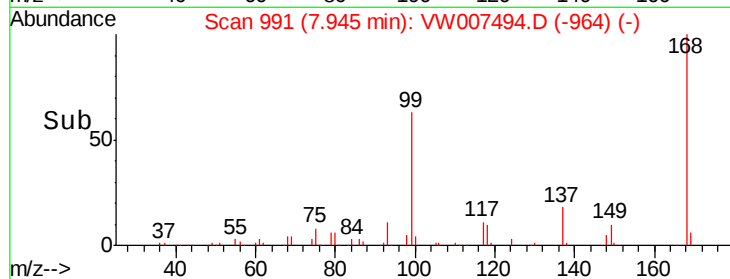
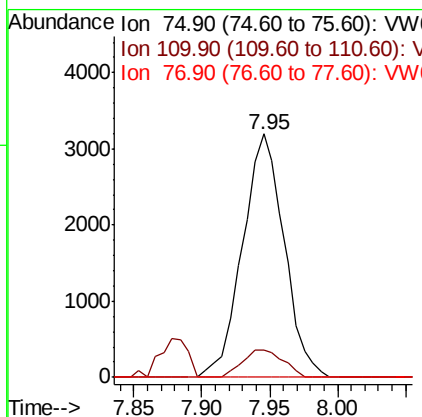
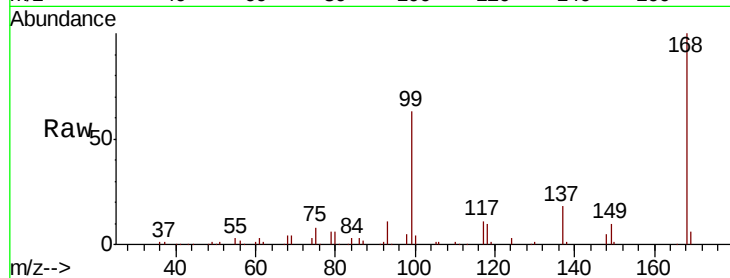




#36
 1,1-Dichloropropene
 Concen: 4.852 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW007494.D
 Acq: 13 Dec 2018 17:46

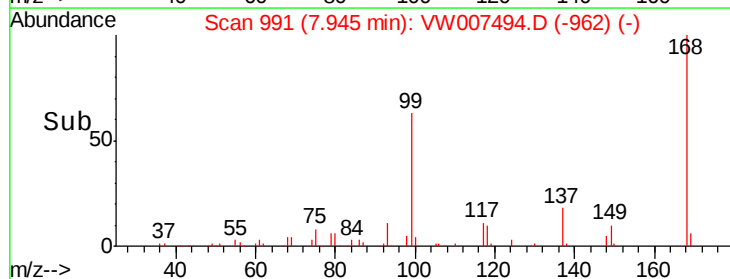
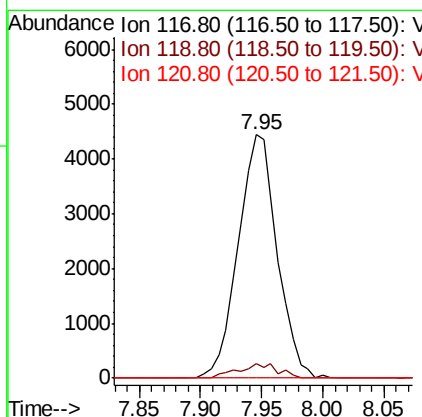
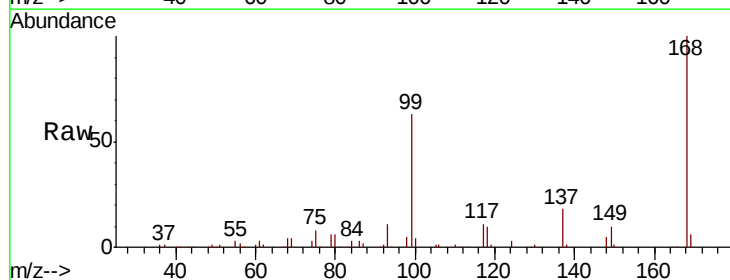
Instrument :
 MSVOA_W
 ClientSampleId :
 S32-0634

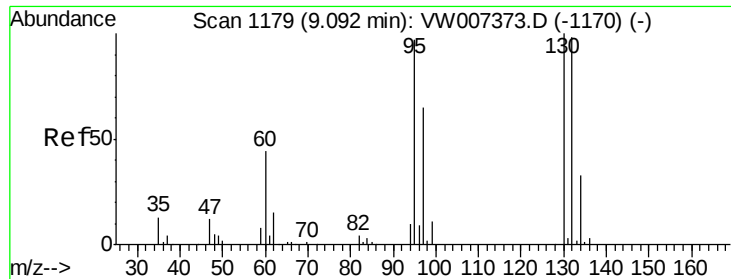
Tot Ion: 75 Resp: 6834
 Ion Ratio Lower Upper
 75 100
 110 11.0 18.5 55.5#
 77 0.0 25.6 38.4#



#38
 Carbon Tetrachloride
 Concen: 6.389 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW007494.D
 Acq: 13 Dec 2018 17:46

Tgt Ion: 117 Resp: 9792
 Ion Ratio Lower Upper
 117 100
 119 6.0 74.3 111.5#
 121 0.0 24.3 36.5#

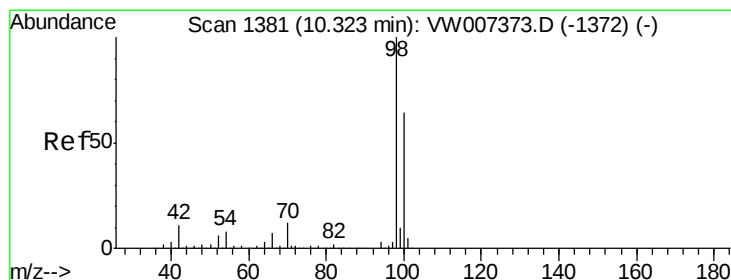
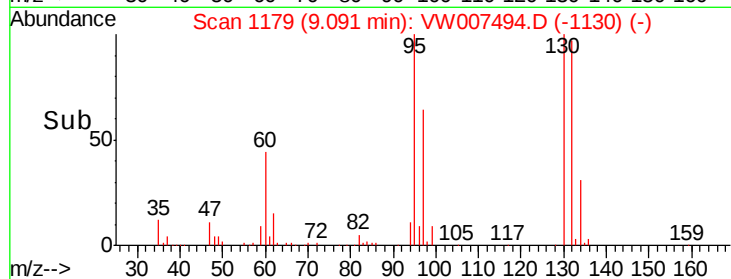
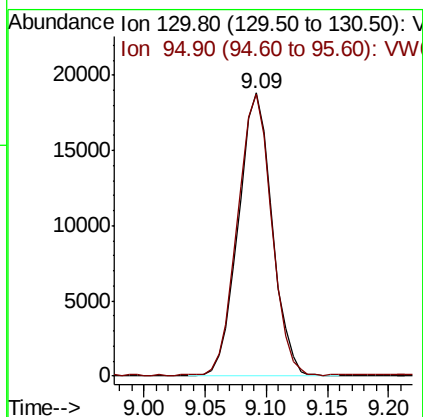
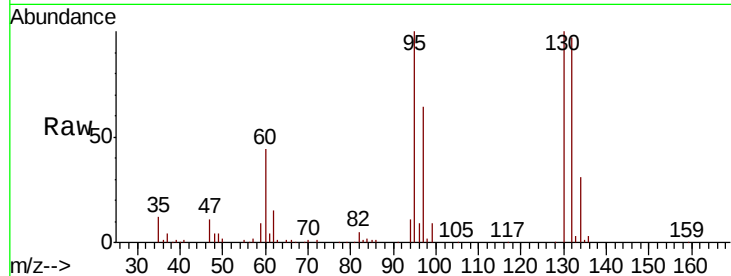




#44
 Trichloroethene
 Concen: 32.345 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW007494.D
 Acq: 13 Dec 2018 17:46

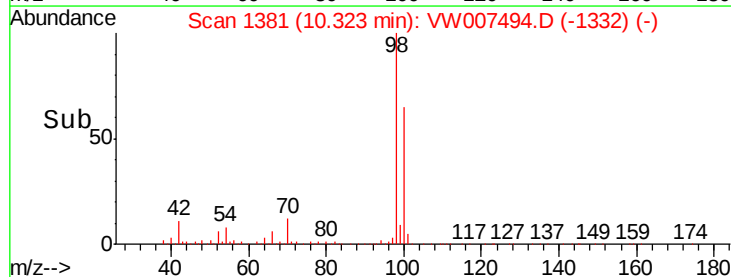
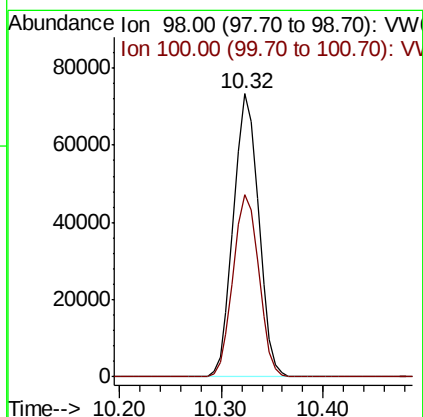
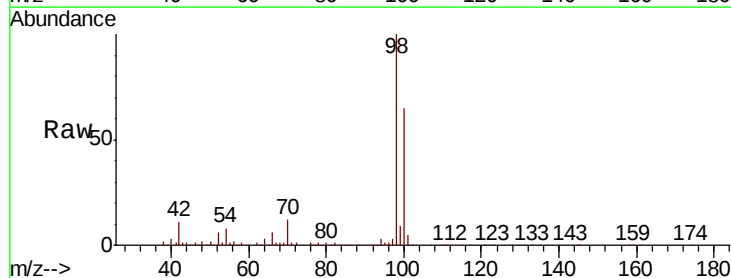
Instrument :
 MSVOA_W
 ClientSampleId :
 S32-0634

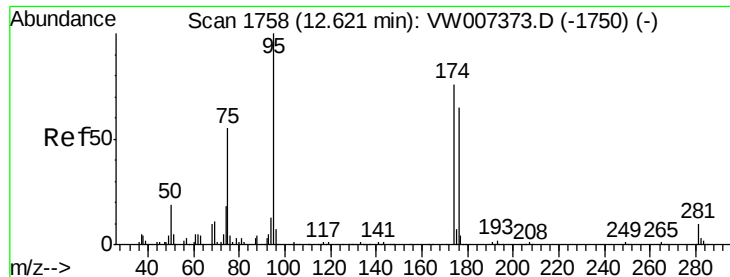
Tot Ion:130 Resp: 36105
 Ion Ratio Lower Upper
 130 100
 95 99.4 0.0 193.2



#50
 Toluene-d8
 Concen: 35.910 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW007494.D
 Acq: 13 Dec 2018 17:46

Tgt Ion: 98 Resp: 125848
 Ion Ratio Lower Upper
 98 100
 100 65.5 51.8 77.8





#62

4-Bromofluorobenzene

Concen: 40.134 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007494.D

Acq: 13 Dec 2018 17:46

Instrument :

MSVOA_W

ClientSampleId :

S32-0634

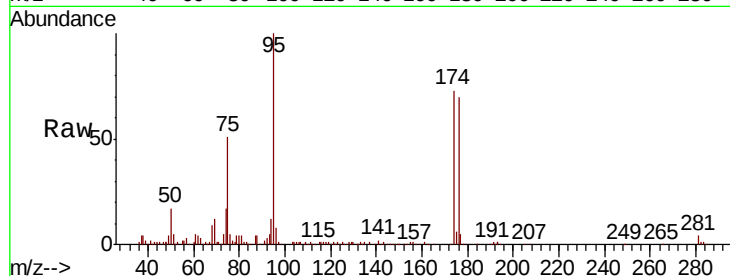
Tot Ion: 95 Resp: 51714

Ion Ratio Lower Upper

95 100

174 74.2 0.0 147.2

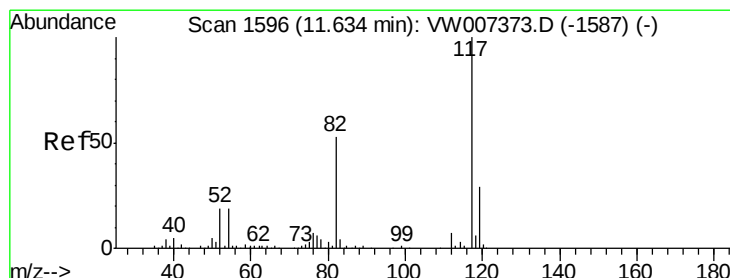
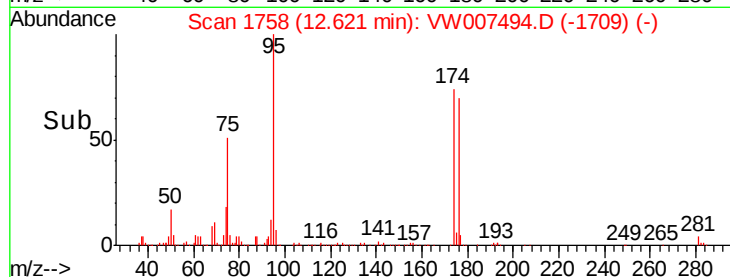
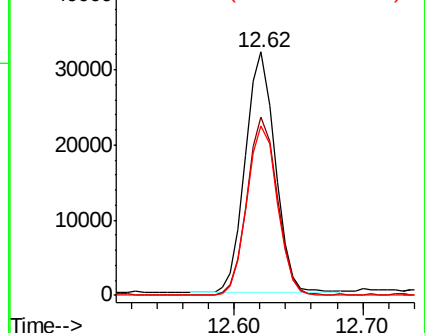
176 71.0 0.0 138.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW007494.D

Acq: 13 Dec 2018 17:46

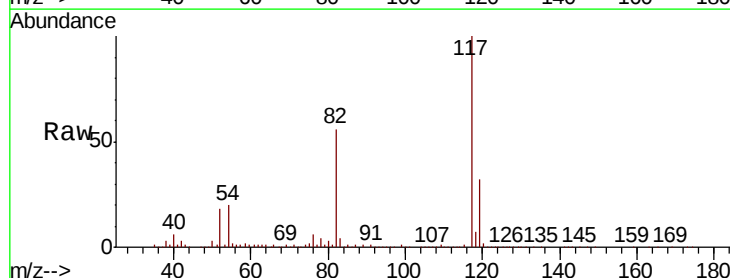
Tgt Ion: 117 Resp: 139342

Ion Ratio Lower Upper

117 100

82 56.0 42.3 63.5

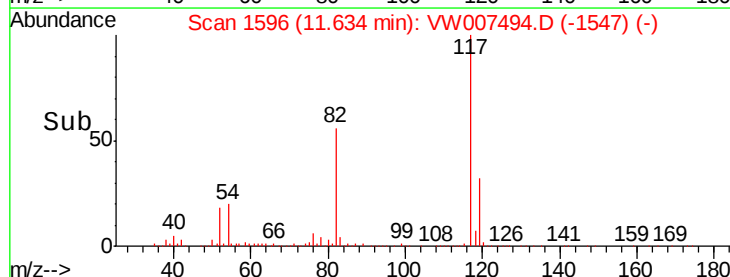
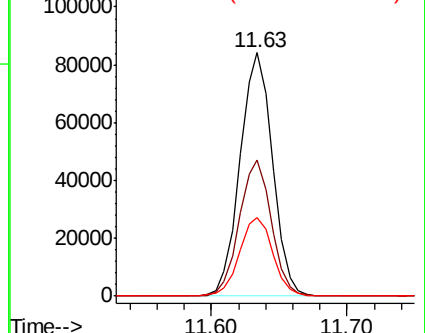
119 31.8 23.0 34.6

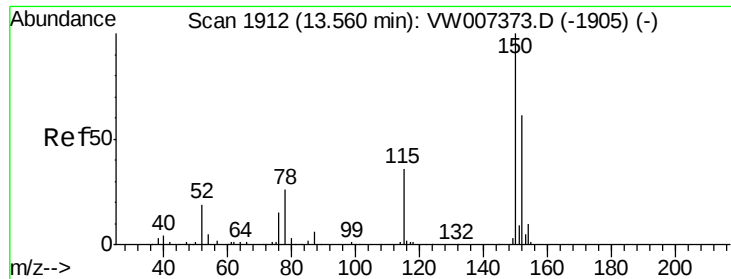


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



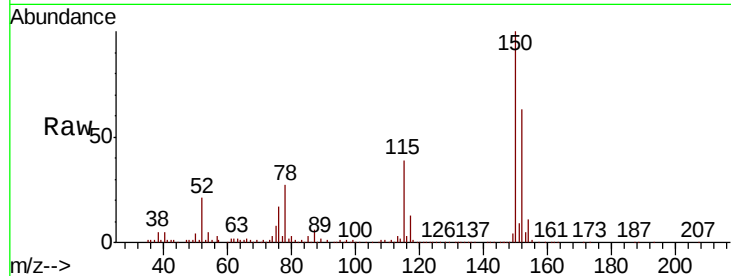


#72

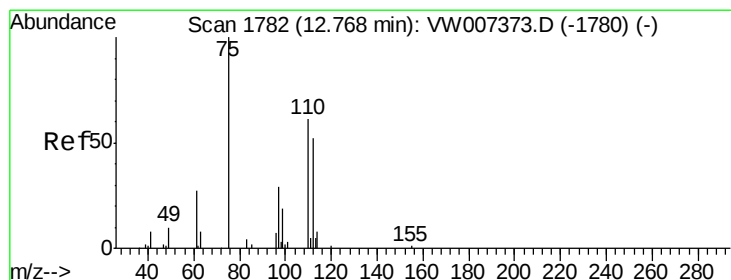
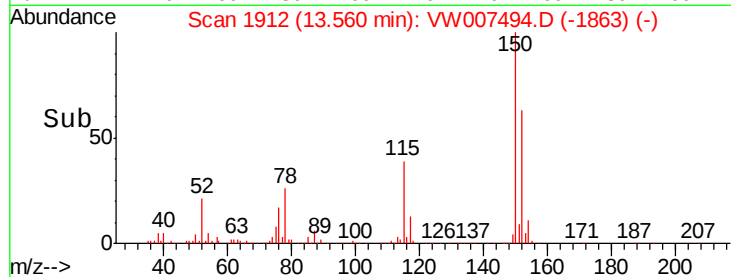
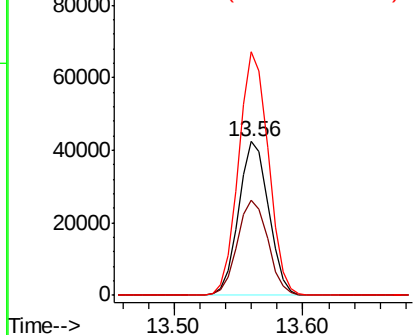
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007494.D
Acq: 13 Dec 2018 17:46

Instrument :
MSVOA_W
ClientSampled :
S32-0634

Tot Ion:152 Resp: 68556
Ion Ratio Lower Upper
152 100
115 63.0 31.4 94.2
150 156.6 0.0 358.4



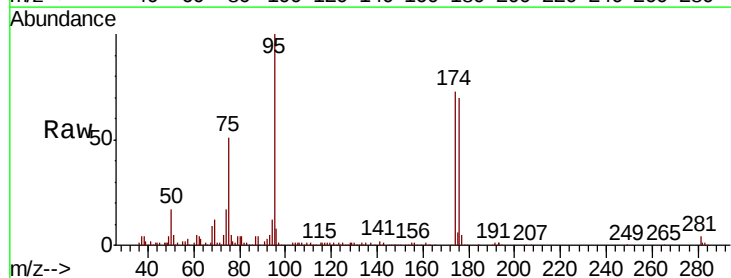
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



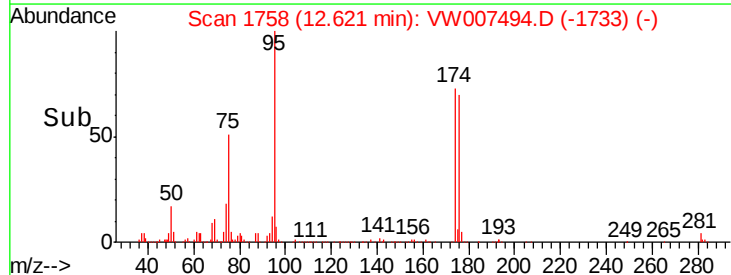
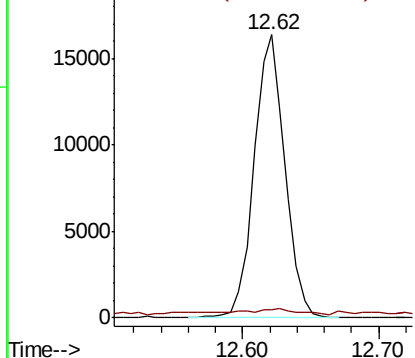
#76

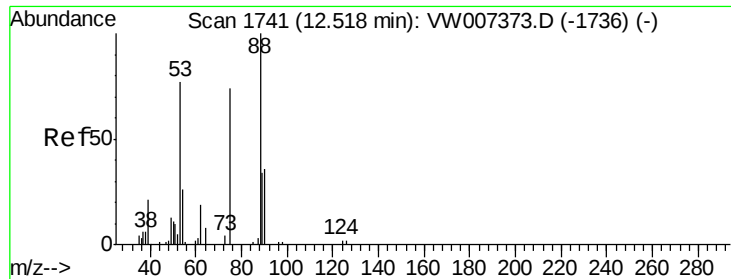
1,2,3-Trichloropropane
Concen: 45.901 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW007494.D
Acq: 13 Dec 2018 17:46

Tgt Ion: 75 Resp: 25946
Ion Ratio Lower Upper
75 100
77 3.1 166.9 500.8#



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: 101.395 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007494.D

Acq: 13 Dec 2018 17:46

Instrument :

MSVOA_W

ClientSampleId :

S32-0634

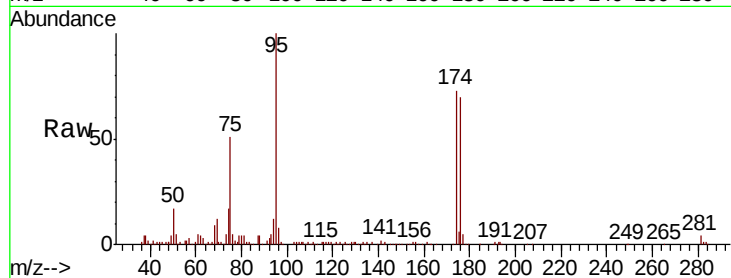
Tot Ion: 75 Resp: 25946

Ion Ratio Lower Upper

75 100

53 0.0 84.9 127.3#

89 0.5 40.3 60.5#



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

