

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121518\
 Data File : VW007465.D
 Acq On : 13 Dec 2018 03:31
 Operator : SY/AP
 Sample : J6340-07
 Misc : 4.13G/5ML/MSVOA W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-05A

Quant Time: Dec 13 04:23:07 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	27600	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	42357	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	15300	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	1735	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	15433	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
35) Dibromofluoromethane	7.88	113	15396	60.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.10%	
50) Toluene-d8	10.32	98	26708	27.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	55.56%	
62) 4-Bromofluorobenzene	12.62	95	2879	8.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	16.28%	

Target Compounds

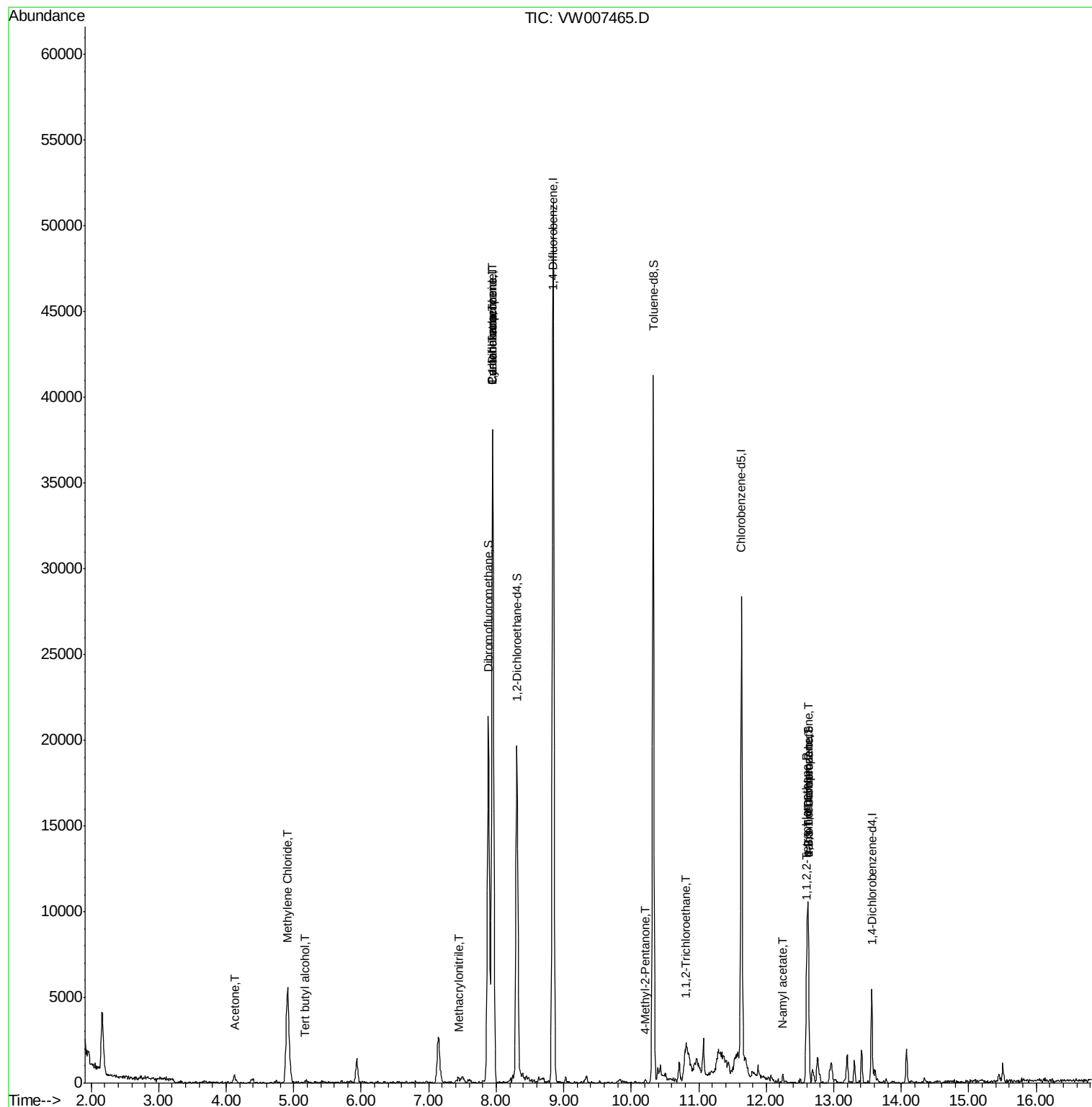
						Qvalue
11) Tert butyl alcohol	5.16	59	74	3.519	ug/l #	74
16) Acetone	4.12	43	827	15.463	ug/l #	76
20) Methylene Chloride	4.92	84	4487	12.395	ug/l	97
31) Cyclohexane	7.95	56	705	1.482	ug/l #	15
36) 1,1-Dichloropropene	7.95	75	2080	5.383	ug/l #	47
38) Carbon Tetrachloride	7.94	117	3077	7.319	ug/l #	13
41) Methacrylonitrile	7.45	41	112	1.369	ug/l #	37
51) 4-Methyl-2-Pentanone	10.21	43	143	1.066	ug/l #	34
55) 1,1,2-Trichloroethane	10.81	97	353	1.841	ug/l #	17
74) N-amyl acetate	12.25	43	105	4.346	ug/l #	41
75) 1,1,2,2-Tetrachloroethane	12.60	83	131	6.653	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	1430	99.961	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	1430	220.815	ug/l #	7

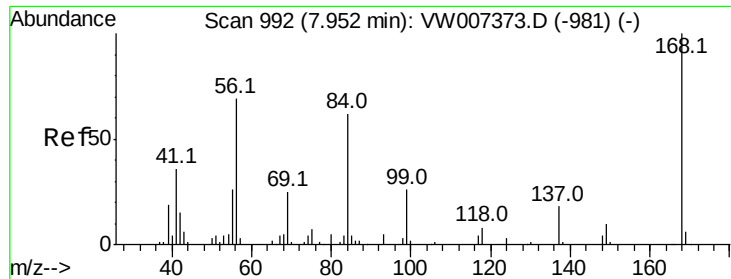
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
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# 992

Delta R.T. 0.00 min

Lab File: VW007465.D

Acq: 13 Dec 2018 03:31

Instrument :

MSVOA_W

ClientSampleId :

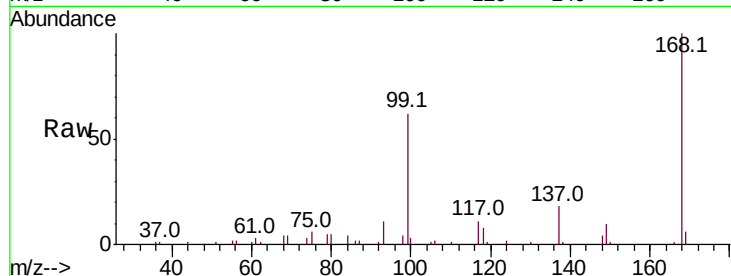
SB-05A

Tot Ion:168 Resp: 27600

Ion Ratio Lower Upper

168 100

99 61.8 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

15000

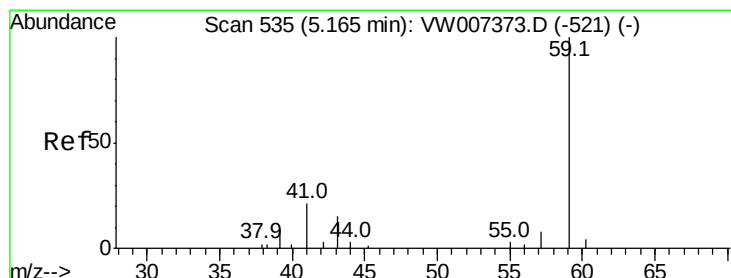
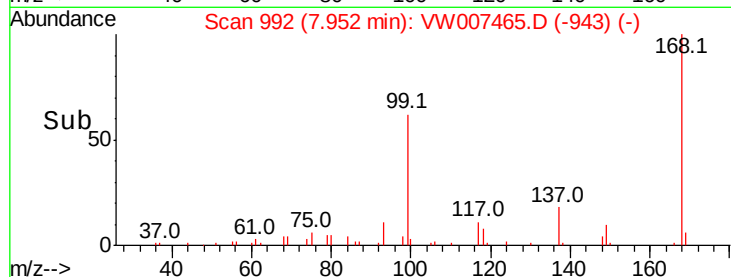
10000

5000

0

Time-->

7.85 7.90 7.95 8.00



#11

Tert butyl alcohol

Concen: 3.519 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.01 min

Lab File: VW007465.D

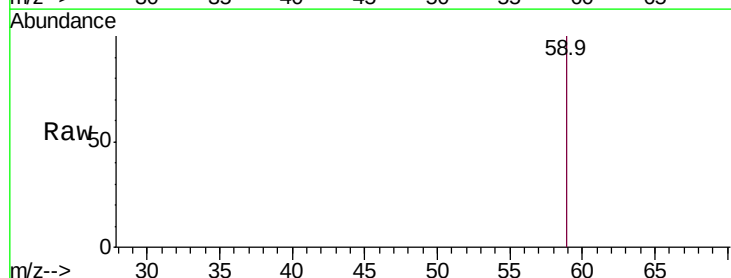
Acq: 13 Dec 2018 03:31

Tgt Ion: 59 Resp: 74

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

5.16

80

60

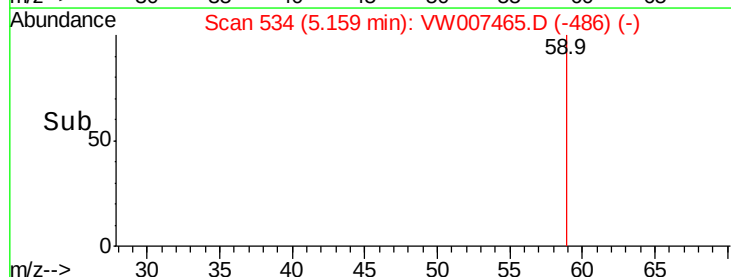
40

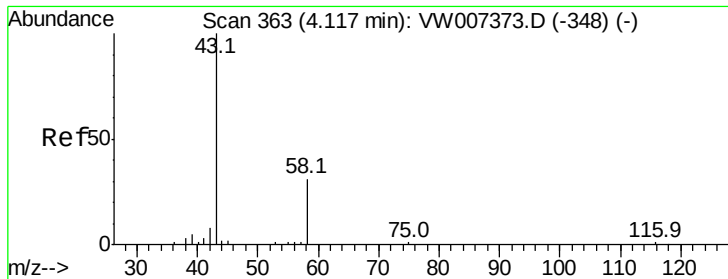
20

0

Time-->

5.14 5.16 5.18





#16

Acetone

Concen: 15.463 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007465.D

Acq: 13 Dec 2018 03:31

Instrument :

MSVOA_W

ClientSampleId :

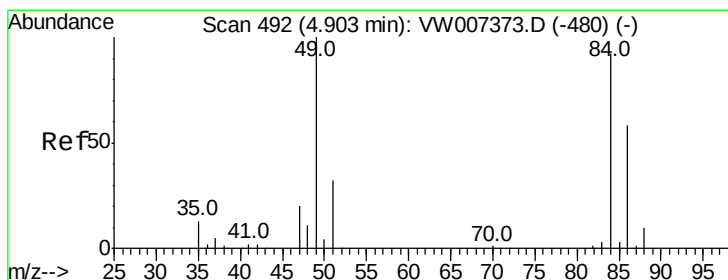
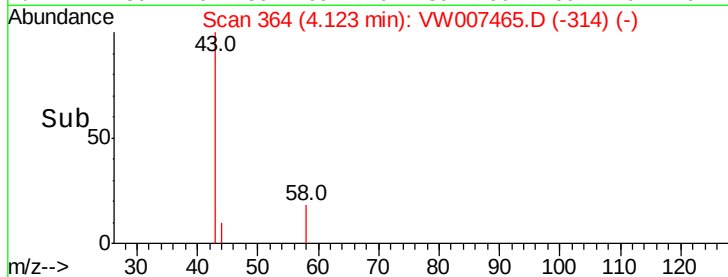
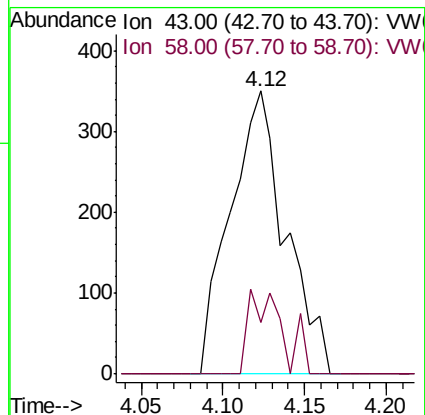
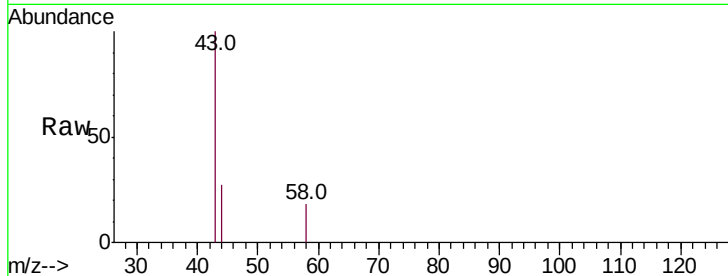
SB-05A

Tot Ion: 43 Resp: 827

Ion Ratio Lower Upper

43 100

58 18.0 24.9 37.3#



#20

Methylene Chloride

Concen: 12.395 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW007465.D

Acq: 13 Dec 2018 03:31

Tgt Ion: 84 Resp: 4487

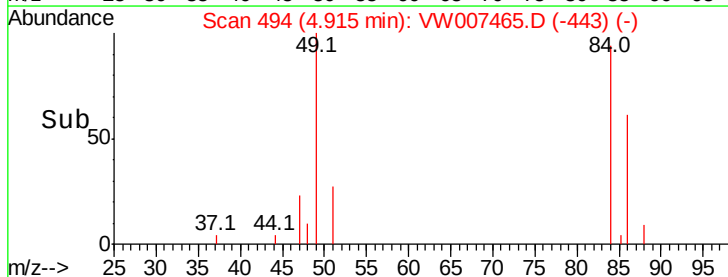
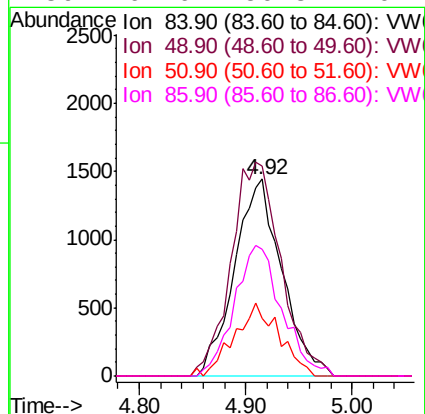
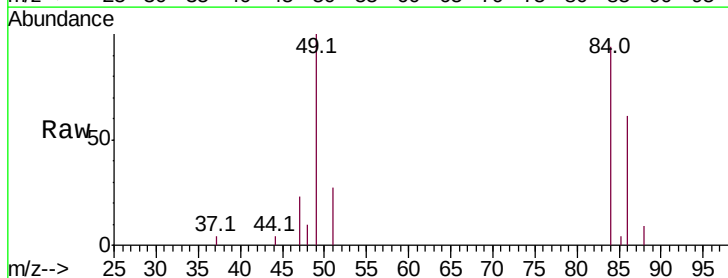
Ion Ratio Lower Upper

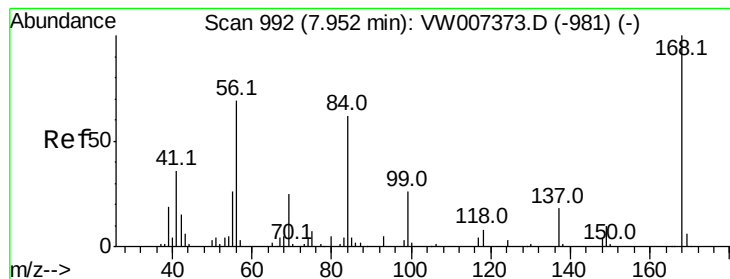
84 100

49 106.7 87.1 130.7

51 29.0 28.2 42.2

86 64.6 50.8 76.2





#31

Cyclohexane

Concen: 1.482 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007465.D

Acq: 13 Dec 2018 03:31

Instrument :

MSVOA_W

ClientSampled :

SB-05A

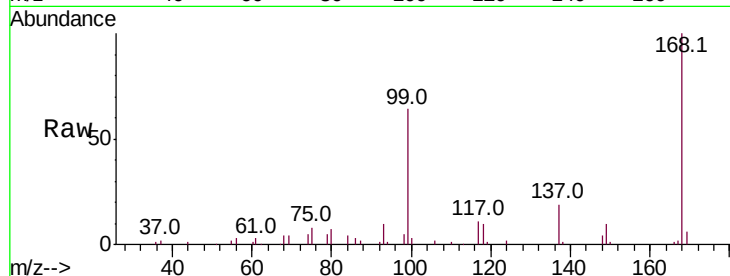
Tot Ion: 56 Resp: 705

Ion Ratio Lower Upper

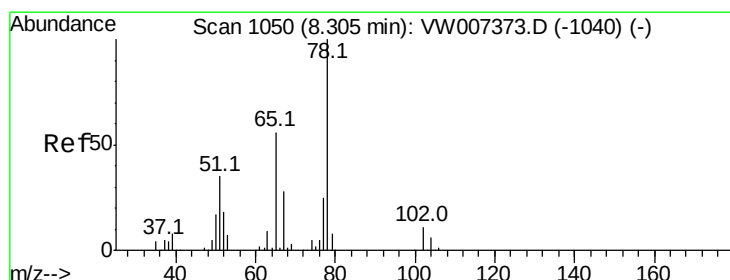
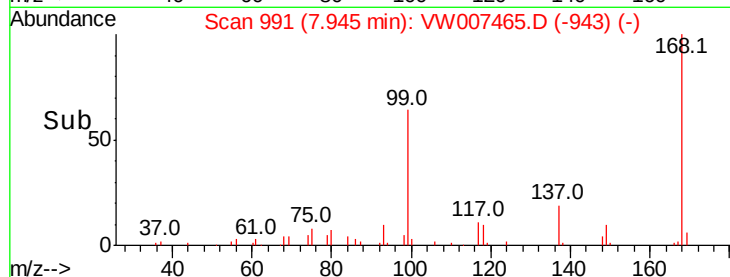
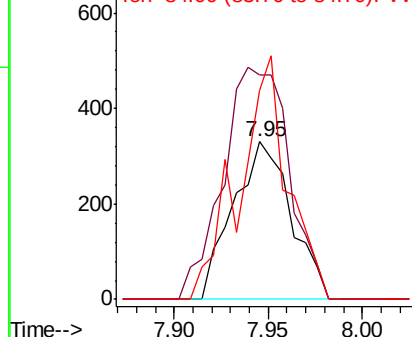
56 100

69 142.4 28.9 43.3#

84 133.0 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: 50.402 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW007465.D

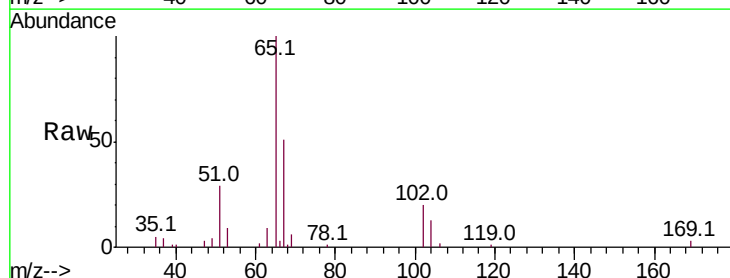
Acq: 13 Dec 2018 03:31

Tgt Ion: 65 Resp: 15433

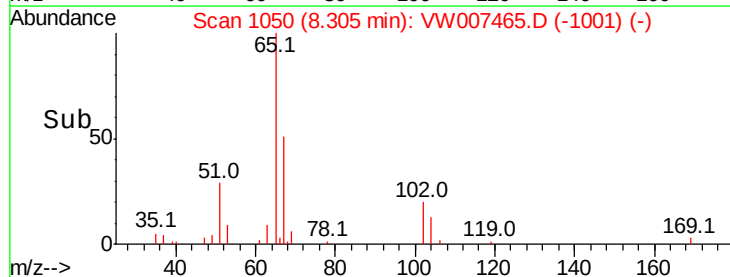
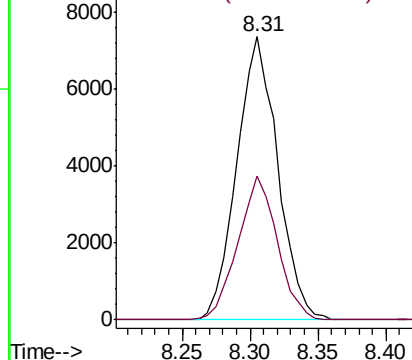
Ion Ratio Lower Upper

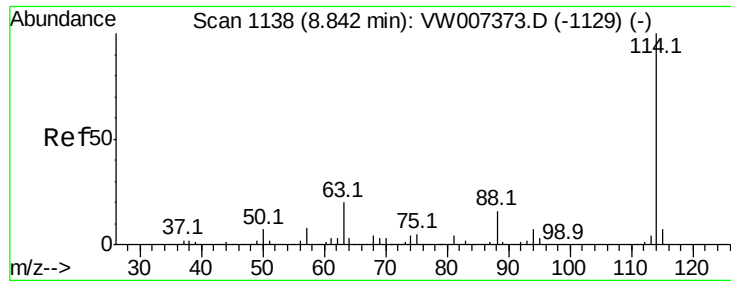
65 100

67 49.0 0.0 101.6



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

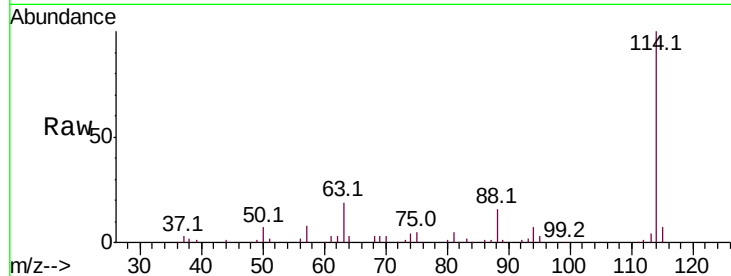




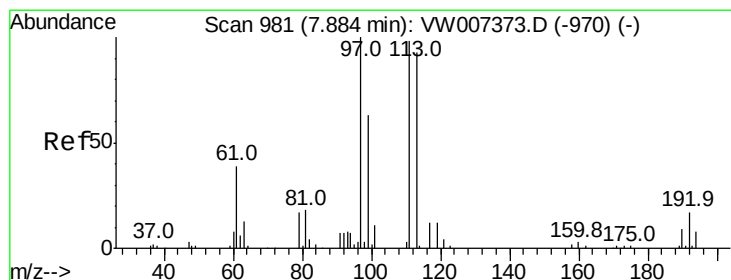
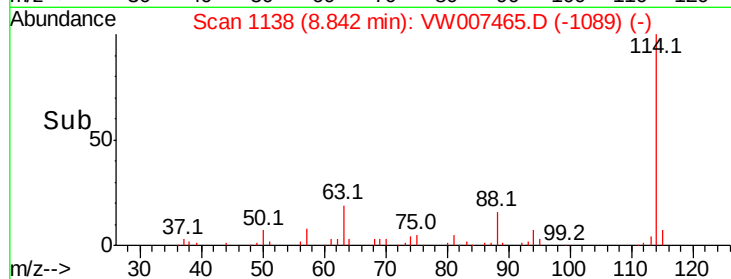
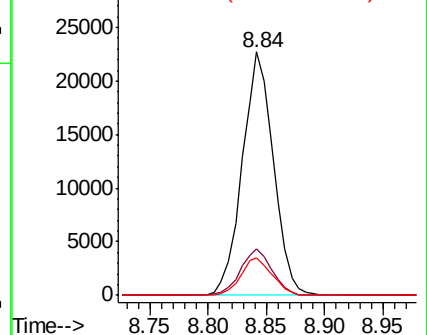
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007465.D
 Acq: 13 Dec 2018 03:31

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-05A

Tot Ion:114 Resp: 42357
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.6
 88 15.5 0.0 31.4

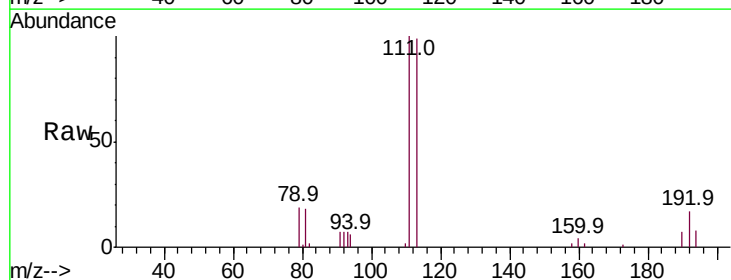


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

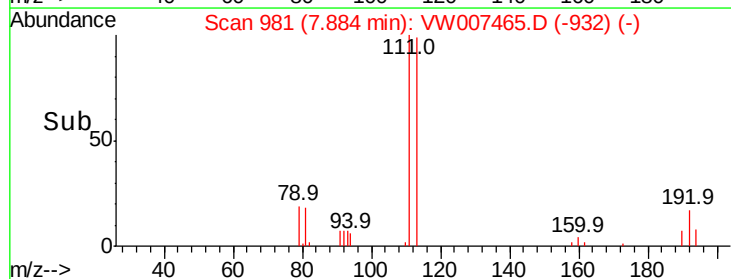
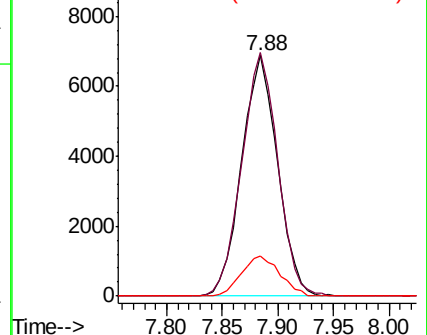


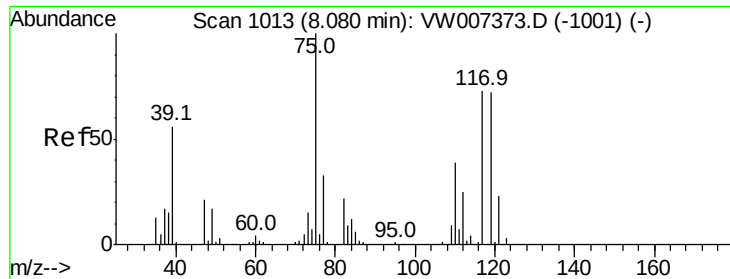
#35
 Dibromofluoromethane
 Concen: 60.046 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007465.D
 Acq: 13 Dec 2018 03:31

Tgt Ion:113 Resp: 15396
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.1 121.7
 192 17.8 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

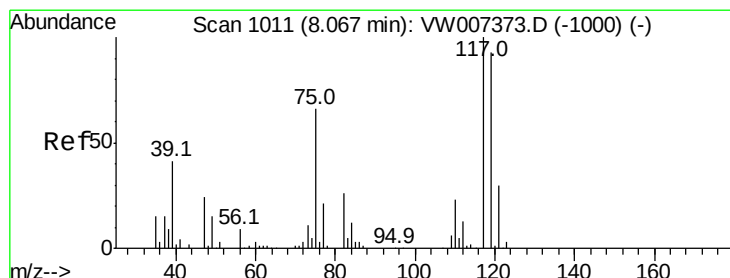
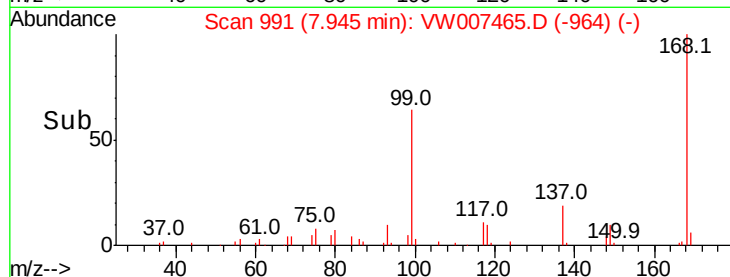
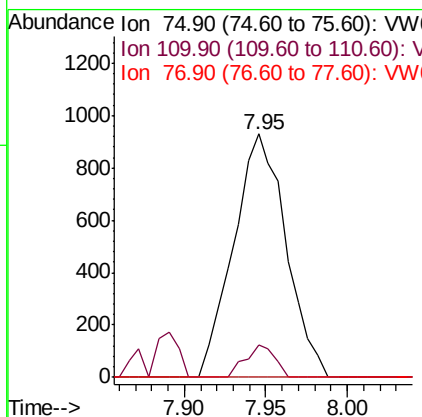
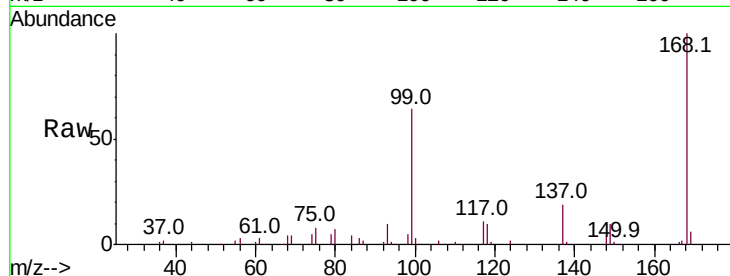




#36
 1,1-Dichloropropene
 Concen: 5.383 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW007465.D
 Acq: 13 Dec 2018 03:31

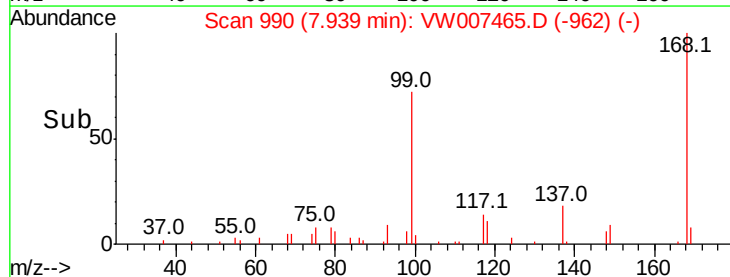
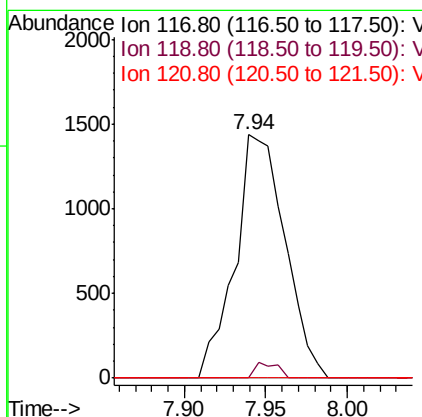
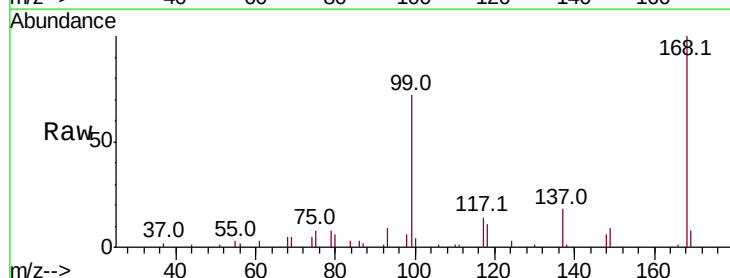
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 ClientSampleId :
 SB-05A

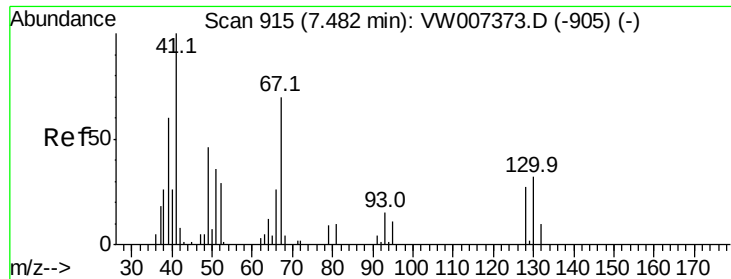
Tot Ion: 75 Resp: 2080
 Ion Ratio Lower Upper
 75 100
 110 7.4 18.5 55.5#
 77 0.0 25.6 38.4#



#38
 Carbon Tetrachloride
 Concen: 7.319 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW007465.D
 Acq: 13 Dec 2018 03:31

Tgt Ion: 117 Resp: 3077
 Ion Ratio Lower Upper
 117 100
 119 0.0 74.3 111.5#
 121 0.0 24.3 36.5#

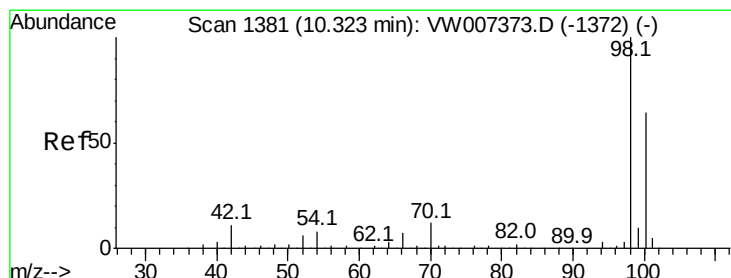
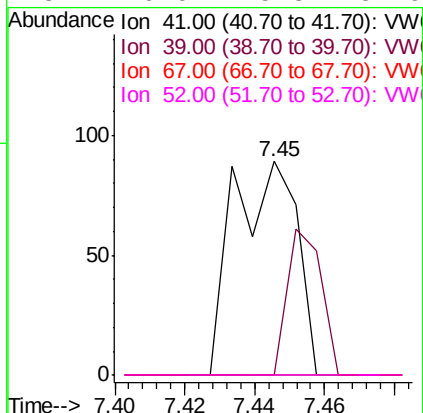
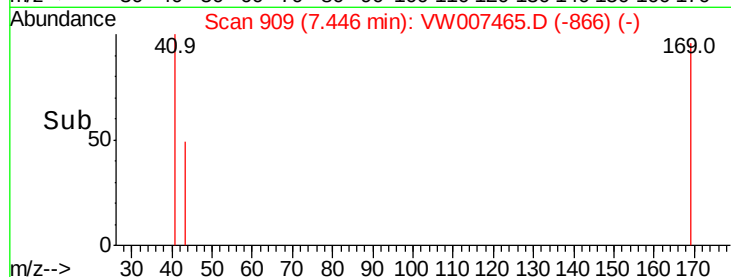
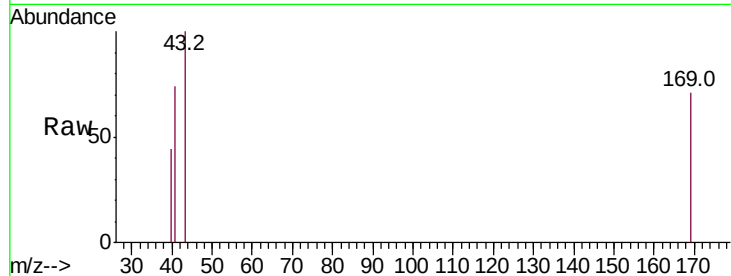




#41
Methacrylonitrile
Concen: 1.369 ug/l
RT: 7.45 min Scan# 909
Delta R.T. -0.04 min
Lab File: VW007465.D
Acq: 13 Dec 2018 03:31

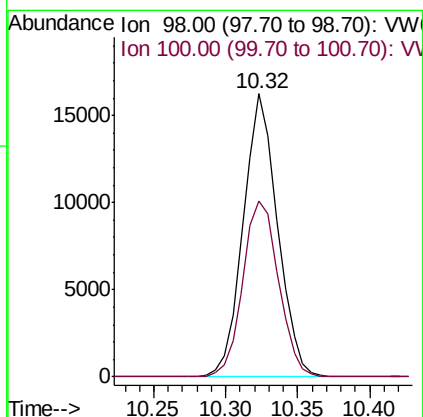
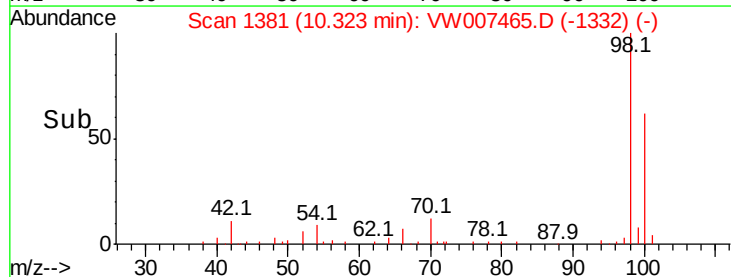
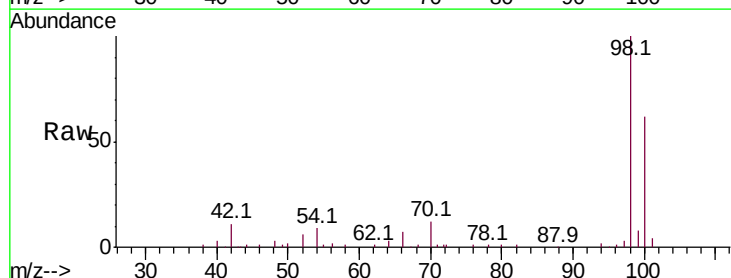
Instrument :
MSVOA_W
ClientSampled :
SB-05A

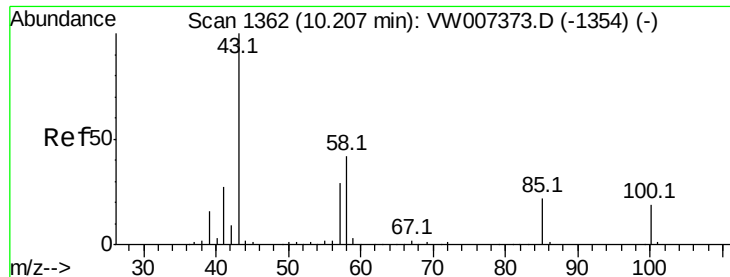
Tot Ion: 41 Resp: 112
Ion Ratio Lower Upper
41 100
39 36.6 52.2 78.2#
67 0.0 60.5 90.7#
52 0.0 25.3 37.9#



#50
Toluene-d8
Concen: 27.781 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW007465.D
Acq: 13 Dec 2018 03:31

Tgt Ion: 98 Resp: 26708
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 1.066 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007465.D

Acq: 13 Dec 2018 03:31

Instrument :

MSVOA_W

ClientSampled :

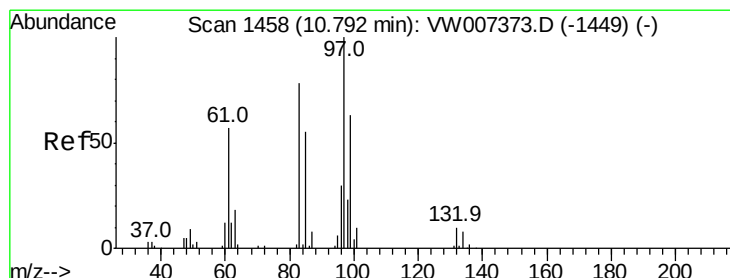
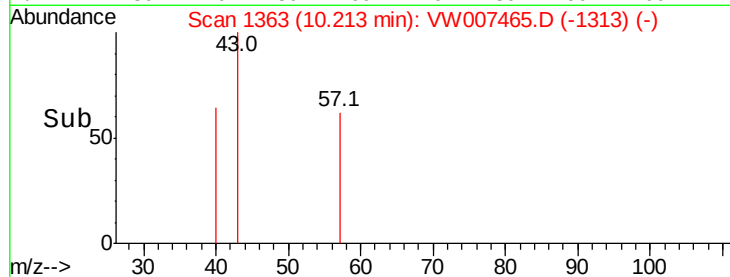
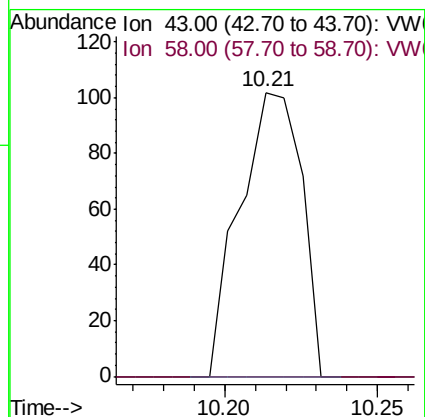
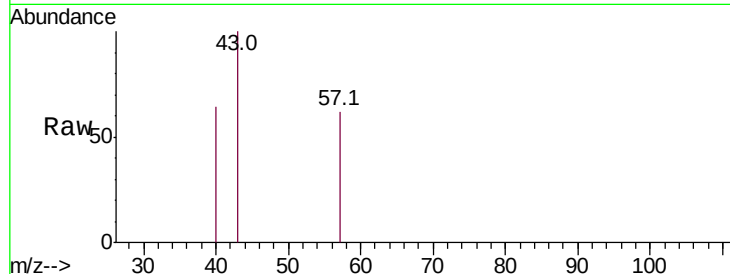
SB-05A

Tot Ion: 43 Resp: 143

Ion Ratio Lower Upper

43 100

58 0.0 33.1 49.7#



#55

1,1,2-Trichloroethane

Concen: 1.841 ug/l

RT: 10.81 min Scan# 1461

Delta R.T. 0.02 min

Lab File: VW007465.D

Acq: 13 Dec 2018 03:31

Tgt Ion: 97 Resp: 353

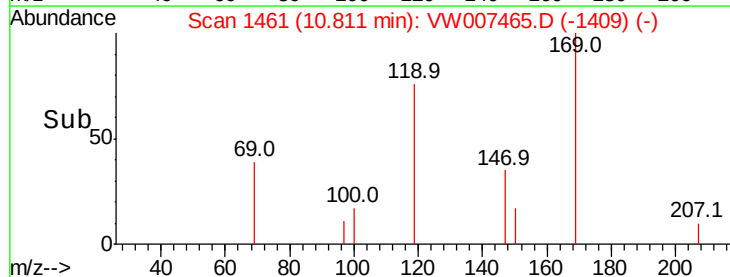
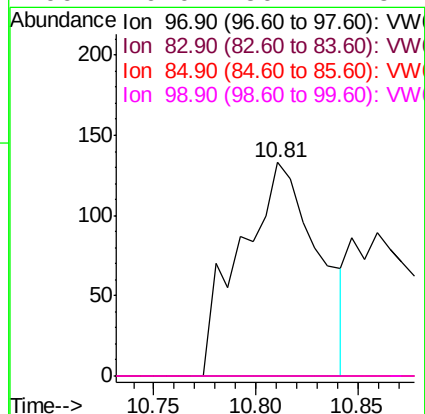
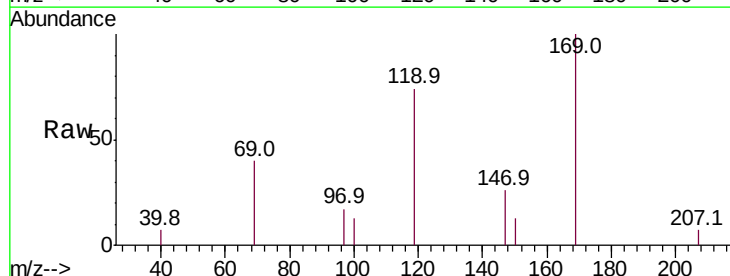
Ion Ratio Lower Upper

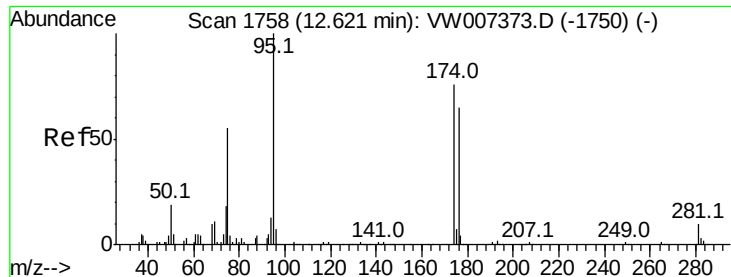
97 100

83 0.0 62.1 93.1#

85 0.0 44.2 66.4#

99 0.0 50.2 75.4#

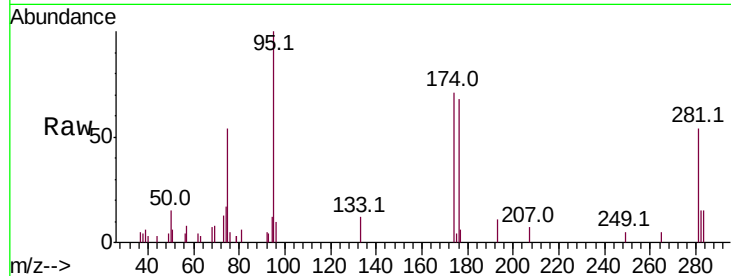




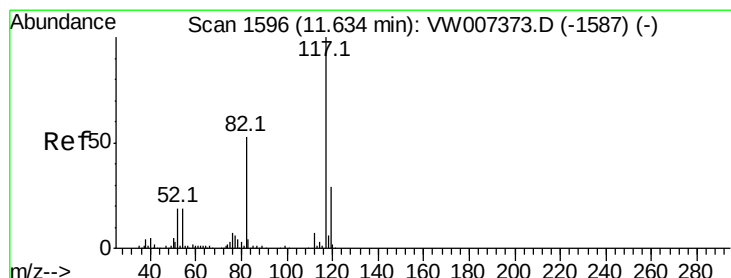
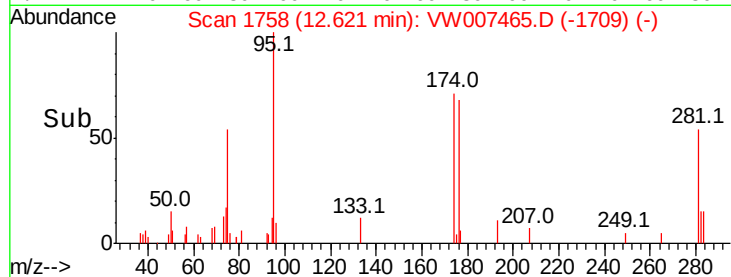
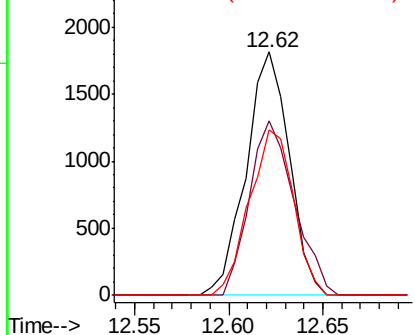
#62
4-Bromofluorobenzene
Concen: 8.145 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW007465.D
Acq: 13 Dec 2018 03:31

Instrument :
MSVOA_W
ClientSampleId :
SB-05A

Tot Ion: 95 Resp: 2879
Ion Ratio Lower Upper
95 100
174 74.5 0.0 147.2
176 69.4 0.0 138.8

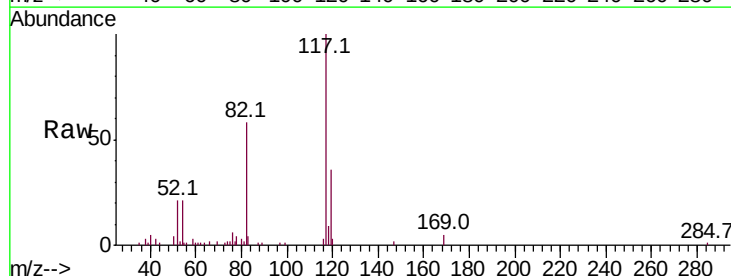


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

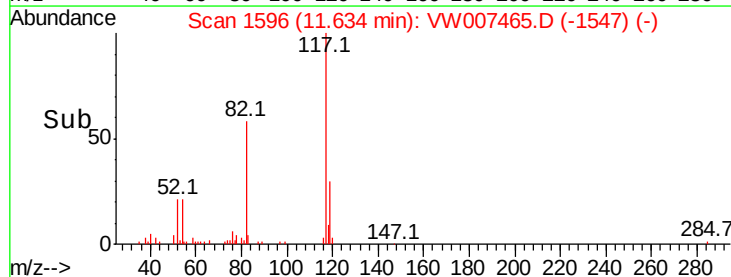
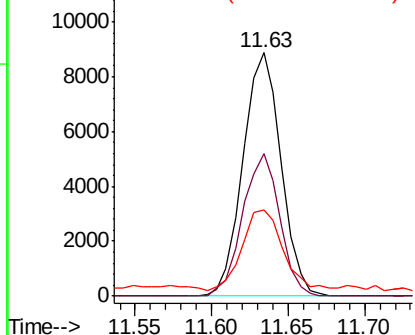


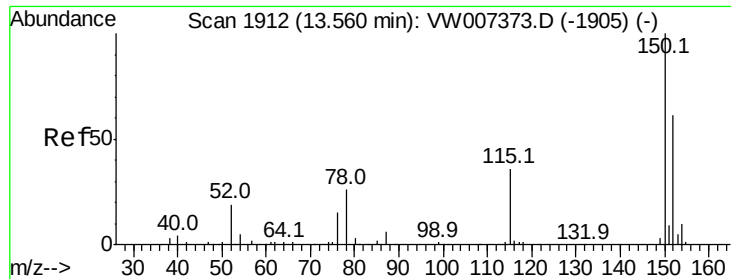
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007465.D
Acq: 13 Dec 2018 03:31

Tgt Ion: 117 Resp: 15300
Ion Ratio Lower Upper
117 100
82 58.4 42.3 63.5
119 32.1 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

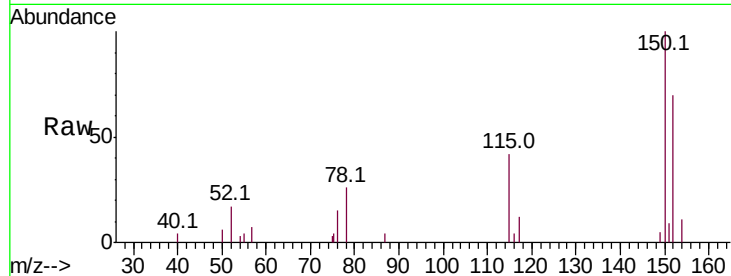




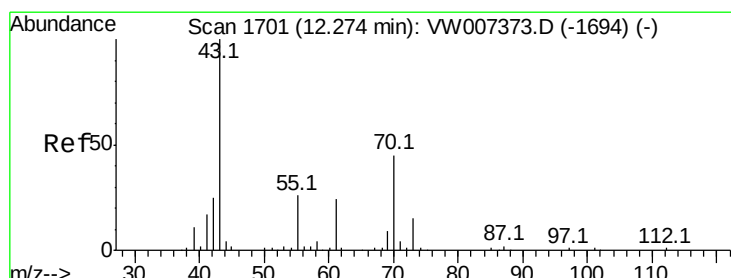
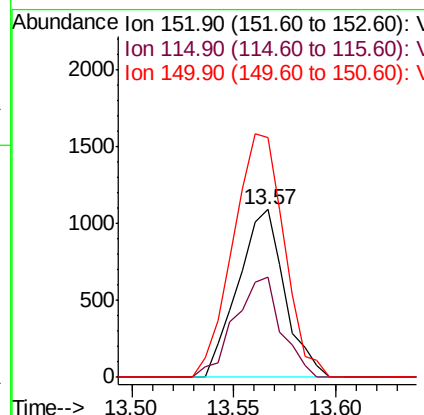
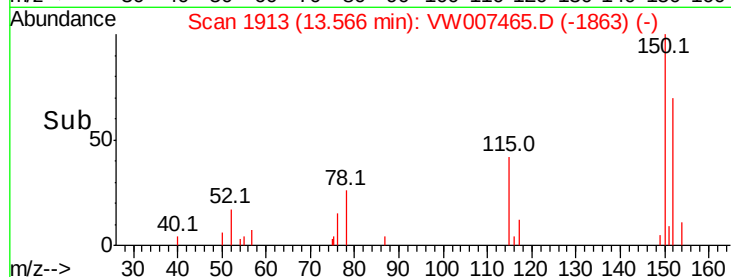
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.57 min Scan# 1913
 Delta R.T. 0.01 min
 Lab File: VW007465.D
 Acq: 13 Dec 2018 03:31

Instrument :
 MSVOA_W
 ClientSampled :
 SB-05A

Tot Ion:152 Resp: 1735
 Ion Ratio Lower Upper
 152 100
 115 59.1 31.4 94.2
 150 158.3 0.0 358.4

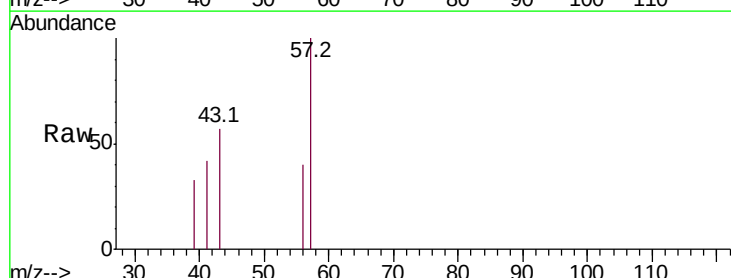


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

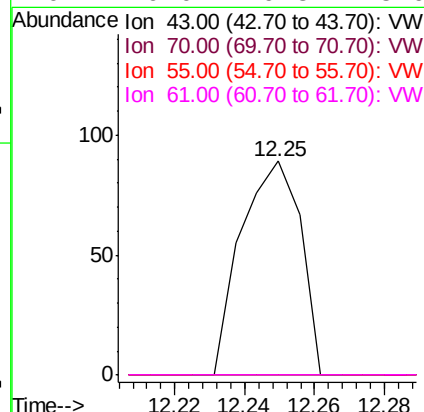
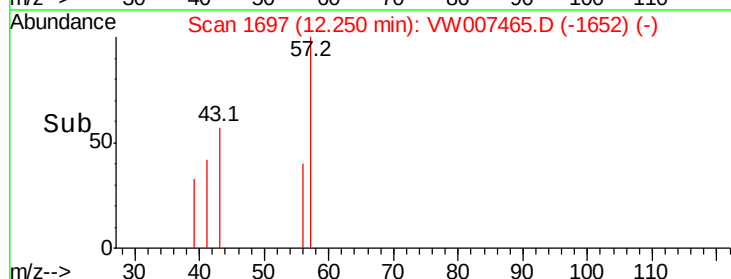


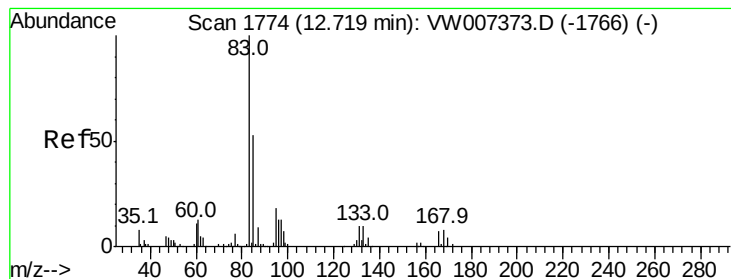
#74
 N-ethyl acetate
 Concen: 4.346 ug/l
 RT: 12.25 min Scan# 1697
 Delta R.T. -0.02 min
 Lab File: VW007465.D
 Acq: 13 Dec 2018 03:31

Tgt Ion: 43 Resp: 105
 Ion Ratio Lower Upper
 43 100
 70 0.0 36.5 54.7#
 55 0.0 20.1 30.1#
 61 0.0 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 70.00 (69.70 to 70.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 6.653 ug/l

RT: 12.60 min Scan# 1754

Delta R.T. -0.12 min

Lab File: VW007465.D

Acq: 13 Dec 2018 03:31

Instrument :

MSVOA_W

ClientSampleId :

SB-05A

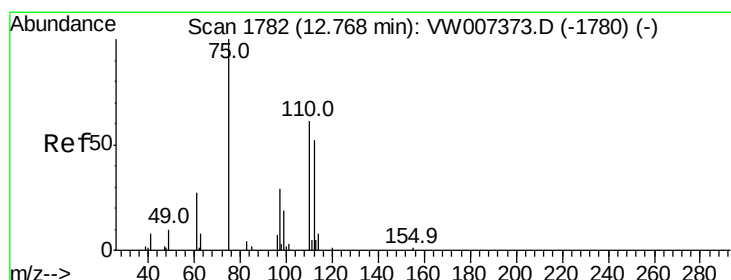
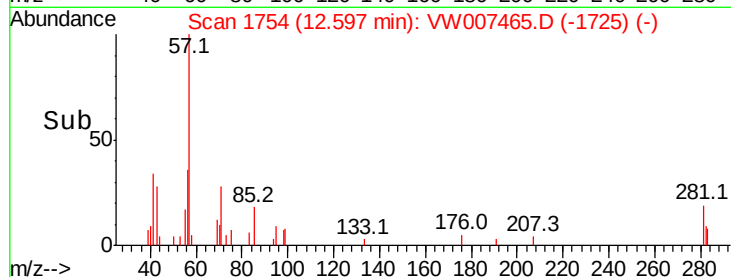
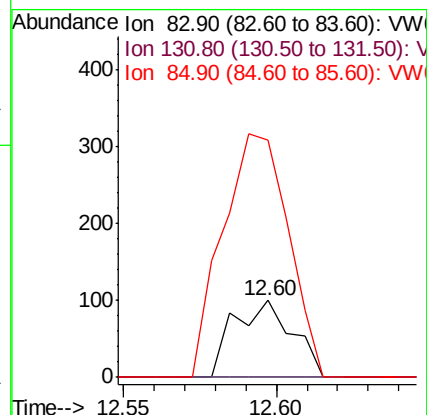
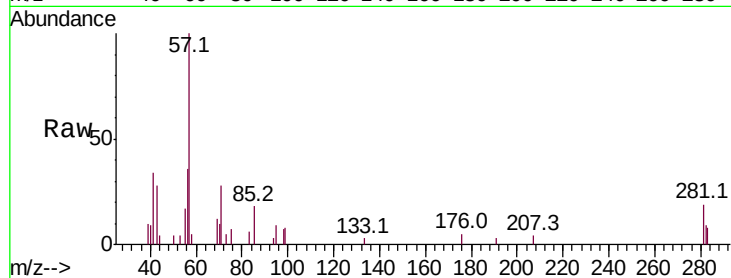
Tot Ion: 83 Resp: 131

Ion Ratio Lower Upper

83 100

131 0.0 5.9 17.8#

85 359.5 30.0 90.0#



#76

1,2,3-Trichloropropane

Concen: 99.961 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007465.D

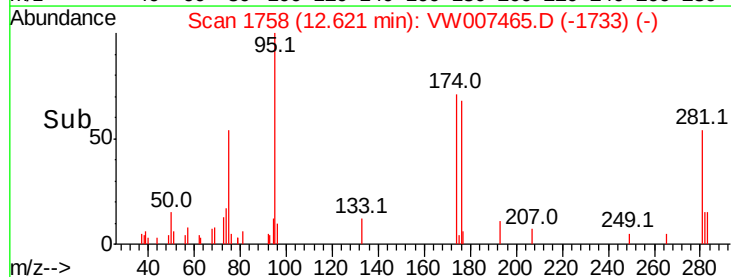
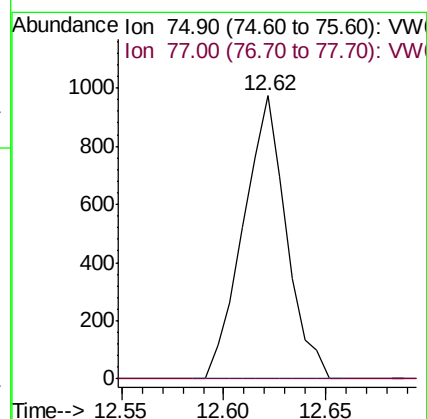
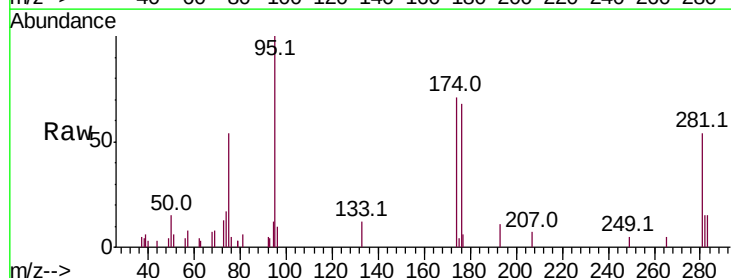
Acq: 13 Dec 2018 03:31

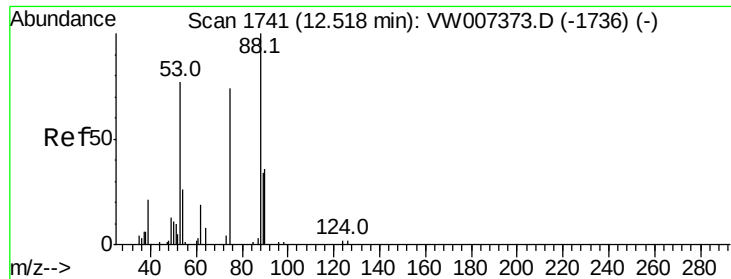
Tgt Ion: 75 Resp: 1430

Ion Ratio Lower Upper

75 100

77 0.0 166.9 500.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 220.815 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007465.D

Acq: 13 Dec 2018 03:31

Instrument :

MSVOA_W

ClientSampleId :

SB-05A

Tot Ion: 75 Resp: 1430

Ion Ratio Lower Upper

75 100

53 0.0 84.9 127.3#

89 0.0 40.3 60.5#

