

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111319\
 Data File : VW014007.D
 Acq On : 13 Nov 2019 15:25
 Operator : SY/VA
 Sample : K5742-09RE
 Misc : 5.58G/5.0ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 14 05:56:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	284719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	443272	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	383852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	171837	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	124880	58.47	ug/l	0.00
Spiked Amount			Recovery	=	116.94%	
35) Dibromofluoromethane	7.88	113	127039	51.58	ug/l	0.00
Spiked Amount			Recovery	=	103.16%	
50) Toluene-d8	10.32	98	521622	51.97	ug/l	0.00
Spiked Amount			Recovery	=	103.94%	
62) 4-Bromofluorobenzene	12.62	95	169138	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	

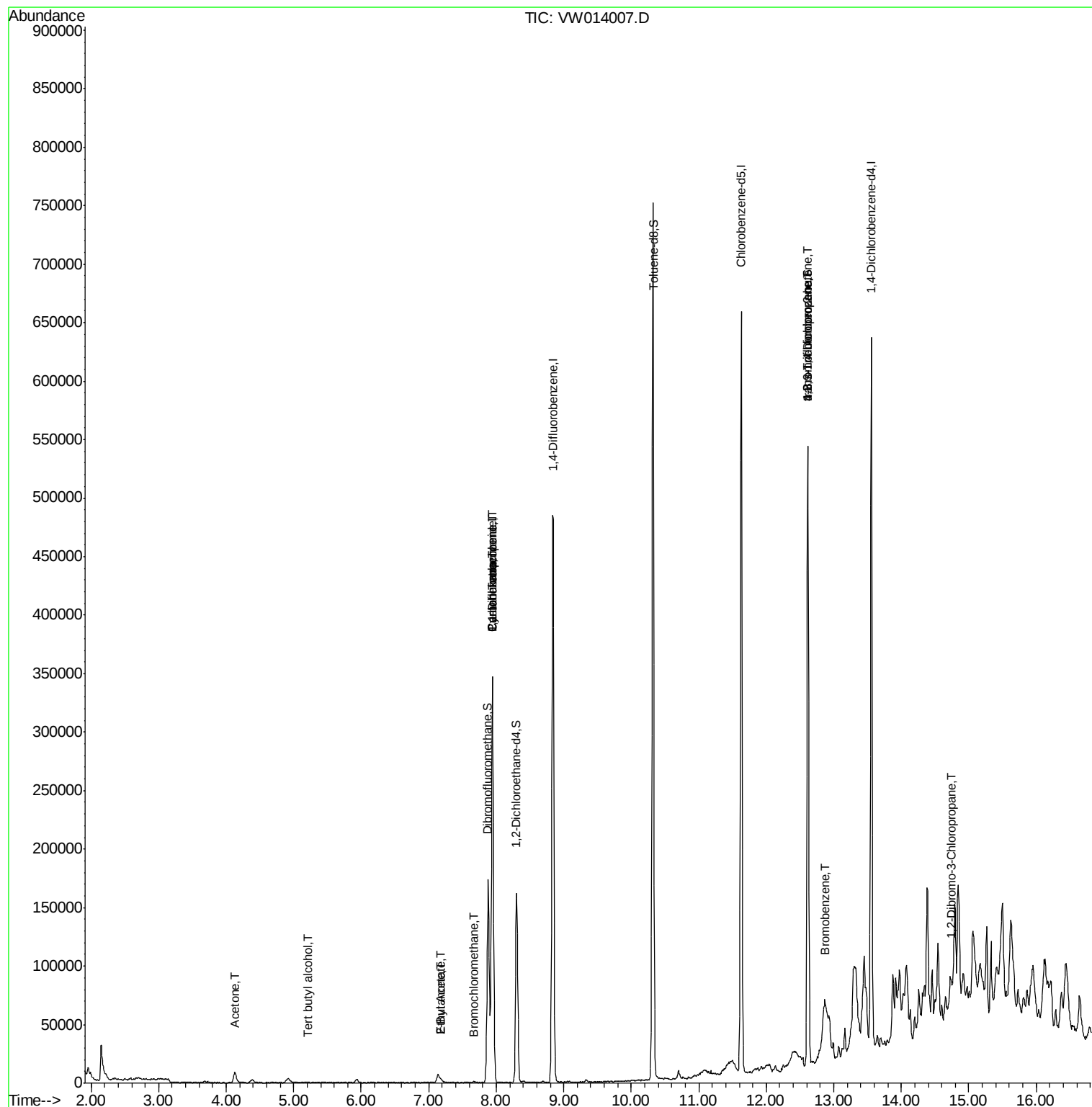
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	171	1.341	ug/l #	71
16) Acetone	4.13	43	16905	37.329	ug/l	99
20) Methylene Chloride	4.92	84	3496	Below Cal	#	90
25) 2-Butanone	7.18	43	4657	7.153	ug/l	92
28) Bromochloromethane	7.67	49	49	1.370	ug/l #	7
31) Cyclohexane	7.95	56	5091	1.072	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	18131	4.392	ug/l #	48
37) Ethyl Acetate	7.18	43	4657	2.947	ug/l #	67
38) Carbon Tetrachloride	7.95	117	25057	6.740	ug/l #	14
76) 1,2,3-Trichloropropane	12.62	75	79546	64.460	ug/l #	100
77) Bromobenzene	12.87	156	81680	27.708	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	79546	121.821	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.75	75	445	1.511	ug/l	76

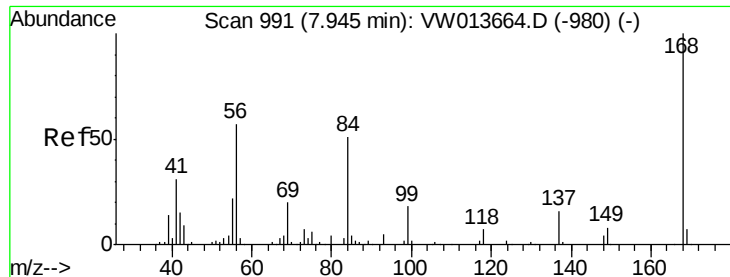
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 23 14:11:46 2019
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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: VW014007.D

Acq: 13 Nov 2019 15:25

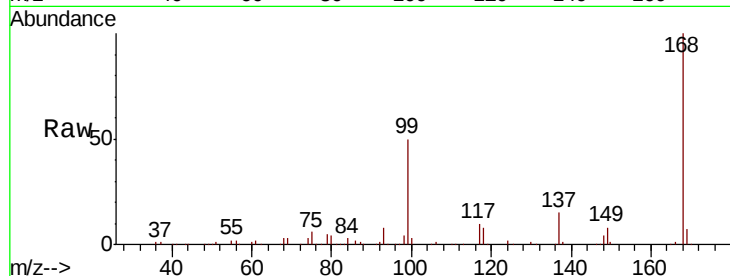
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 284719

Ion Ratio Lower Upper

168 100

99 49.8 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

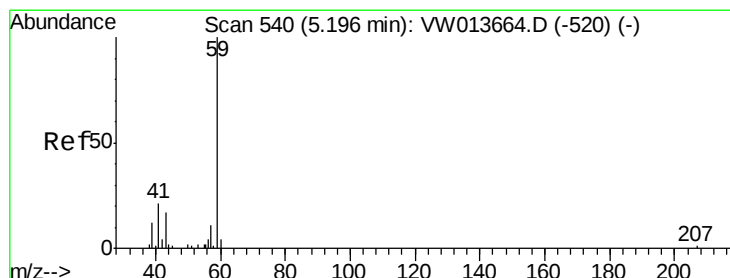
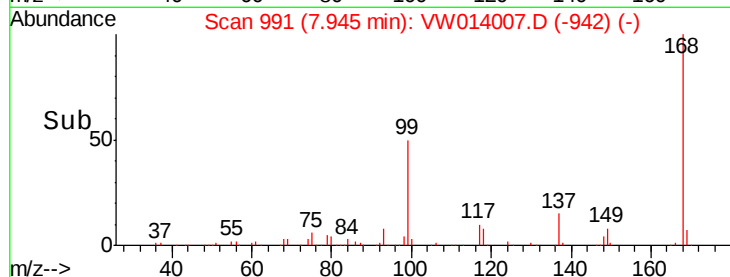
100000

50000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 1.341 ug/l

RT: 5.20 min Scan# 541

Delta R.T. 0.01 min

Lab File: VW014007.D

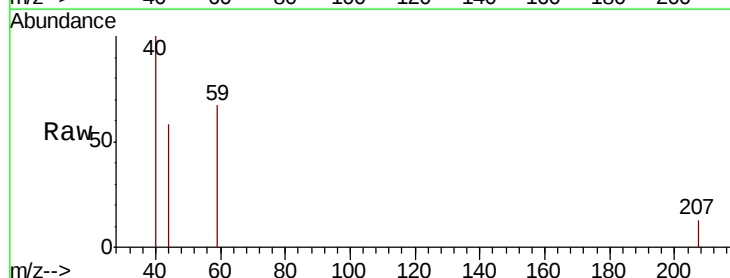
Acq: 13 Nov 2019 15:25

Tgt Ion: 59 Resp: 171

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.20

300

250

200

150

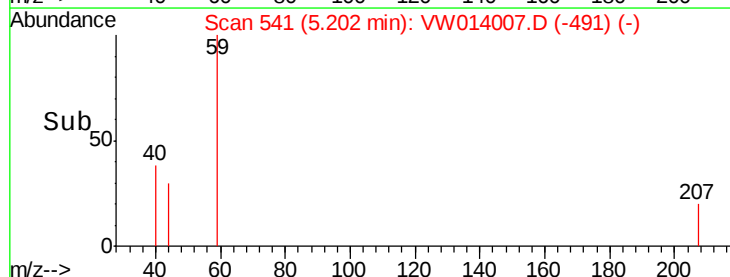
100

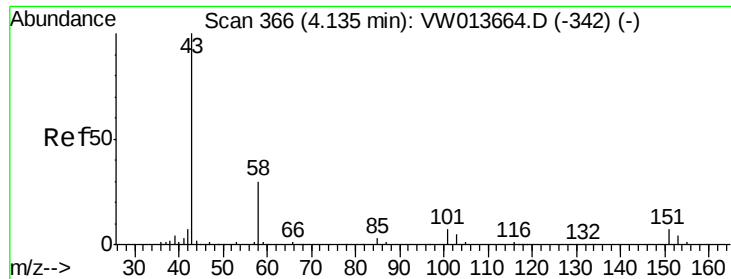
50

0

5.20 5.22

Time-->

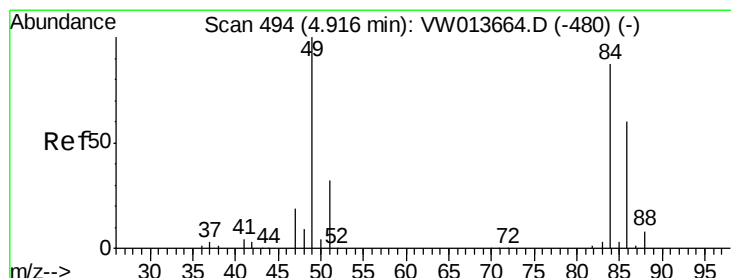
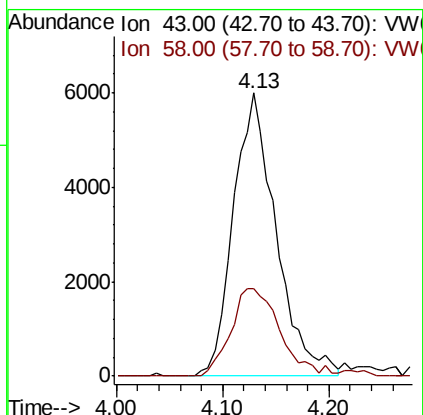
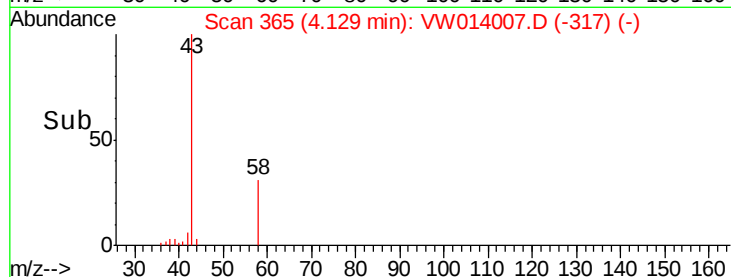
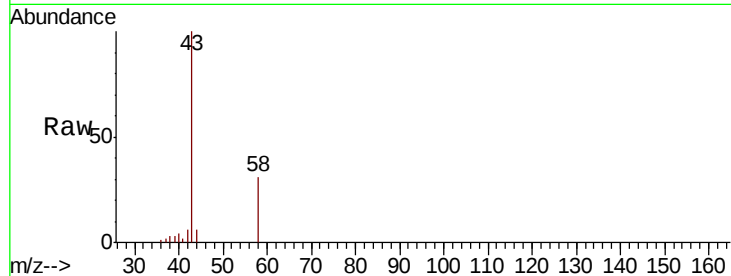




#16
Acetone
Concen: 37.329 ug/l
RT: 4.13 min Scan# 365
Delta R.T. -0.01 min
Lab File: VW014007.D
Acq: 13 Nov 2019 15:25

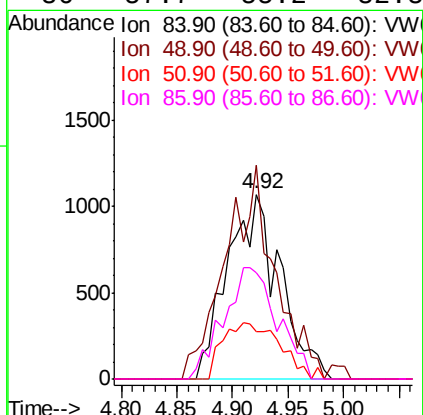
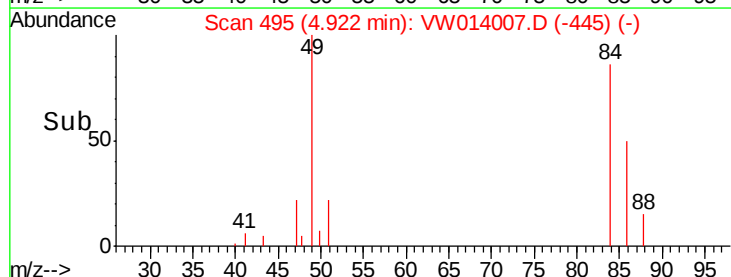
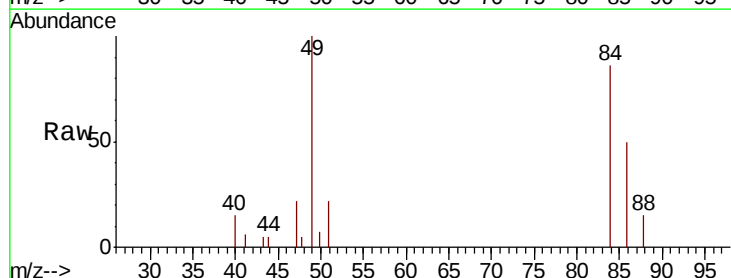
Instrument :
MSVOA_W
ClientSampleId :

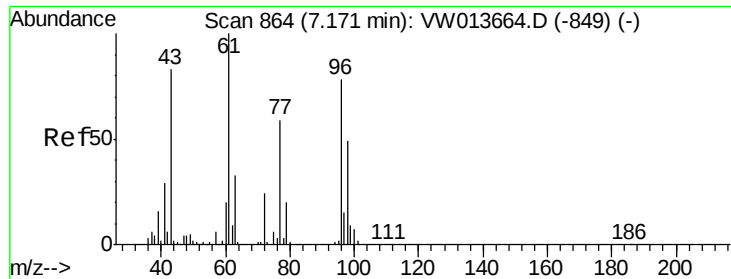
Tot Ion: 43 Resp: 16905
Ion Ratio Lower Upper
43 100
58 30.9 24.1 36.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW014007.D
Acq: 13 Nov 2019 15:25

Tgt Ion: 84 Resp: 3496
Ion Ratio Lower Upper
84 100
49 109.0 91.8 137.6
51 26.0 29.8 44.6#
86 57.7 55.2 82.8





#25

2-Butanone

Concen: 7.153 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW014007.D

Acq: 13 Nov 2019 15:25

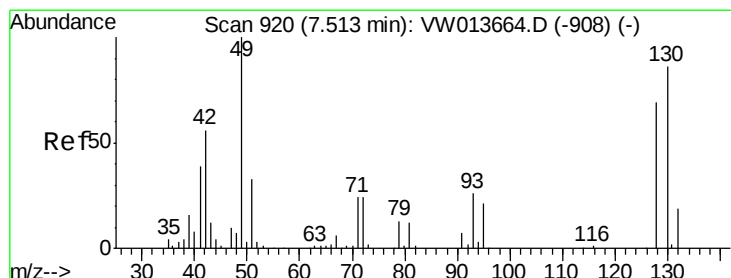
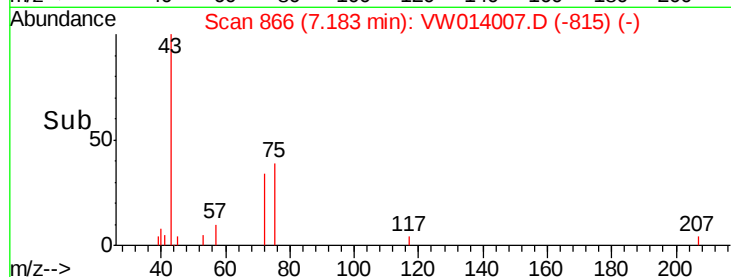
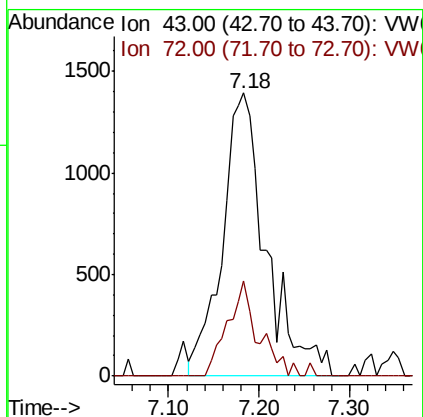
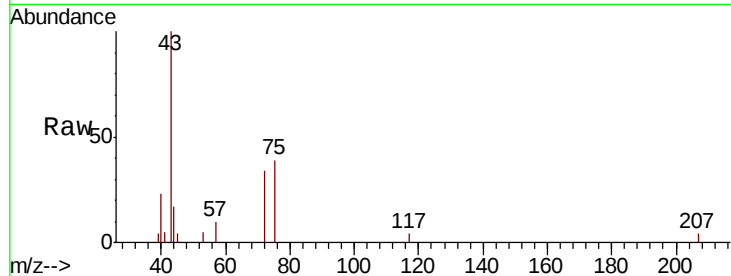
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 4657

Ion Ratio Lower Upper

43 100

72 33.6 23.6 35.4



#28

Bromochloromethane

Concen: 1.370 ug/l

RT: 7.67 min Scan# 945

Delta R.T. 0.15 min

Lab File: VW014007.D

Acq: 13 Nov 2019 15:25

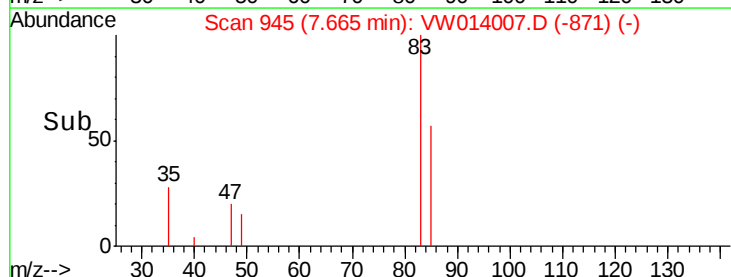
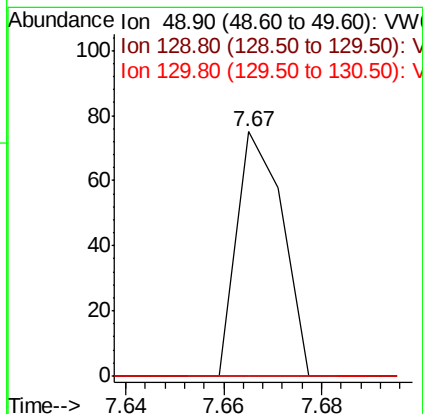
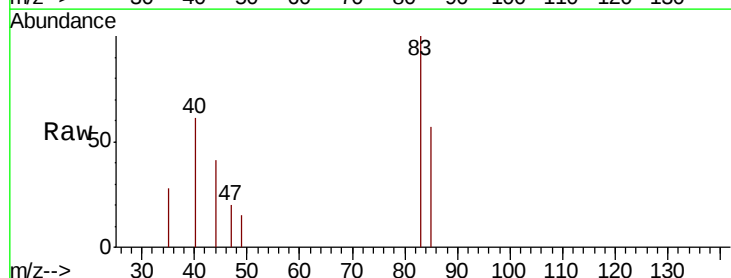
Tgt Ion: 49 Resp: 49

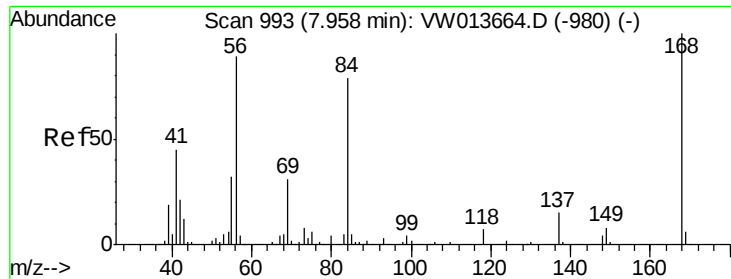
Ion Ratio Lower Upper

49 100

129 0.0 0.0 0.6

130 0.0 67.5 101.3#

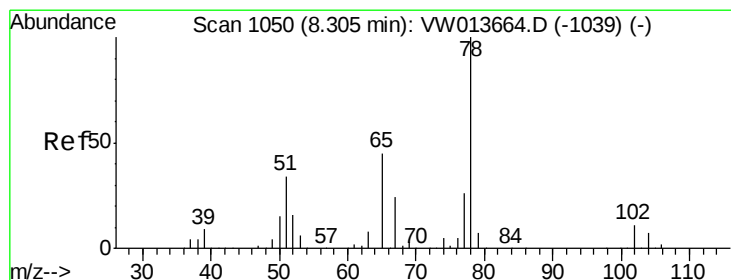
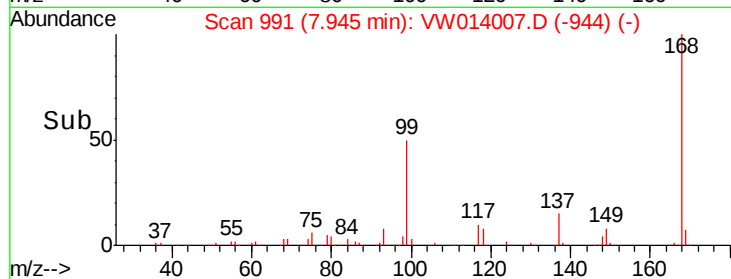
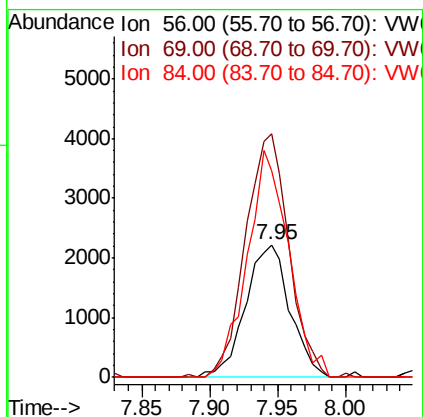
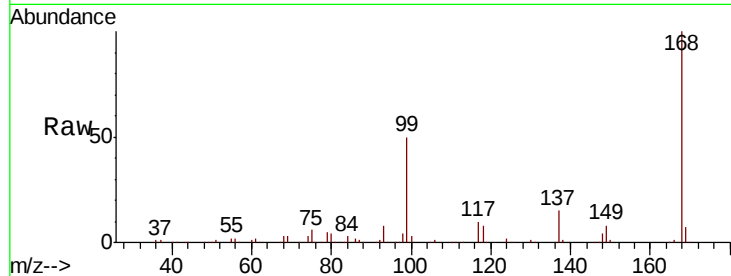




#31
Cyclohexane
Concen: 1.072 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW014007.D
Acq: 13 Nov 2019 15:25

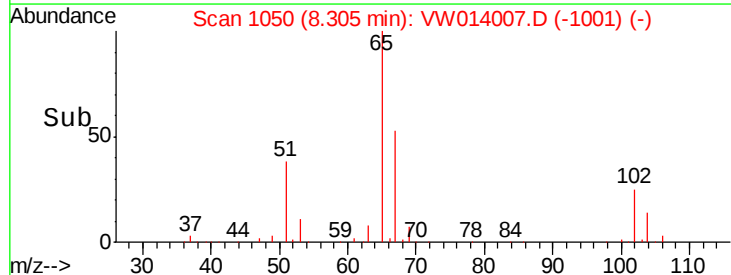
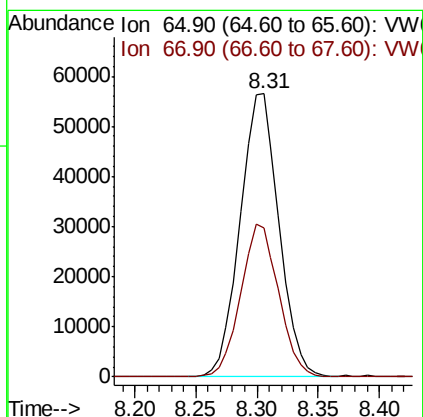
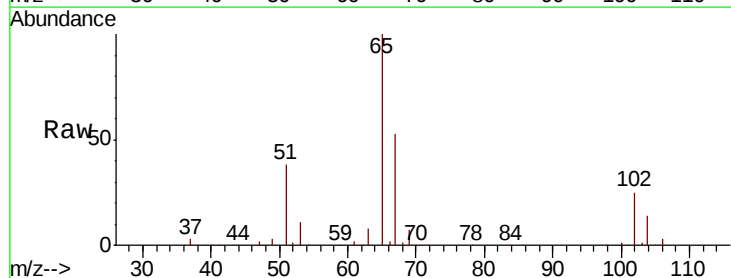
Instrument :
MSVOA_W
ClientSampled :

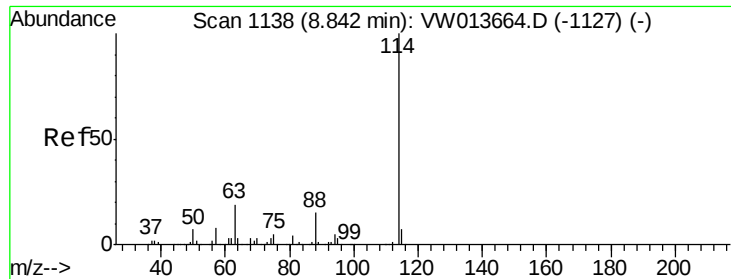
Tot Ion: 56 Resp: 5091
Ion Ratio Lower Upper
56 100
69 183.8 27.5 41.3#
84 155.8 70.8 106.2#



#33
1,2-Dichloroethane-d4
Concen: 58.468 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW014007.D
Acq: 13 Nov 2019 15:25

Tgt Ion: 65 Resp: 124880
Ion Ratio Lower Upper
65 100
67 52.7 0.0 109.4

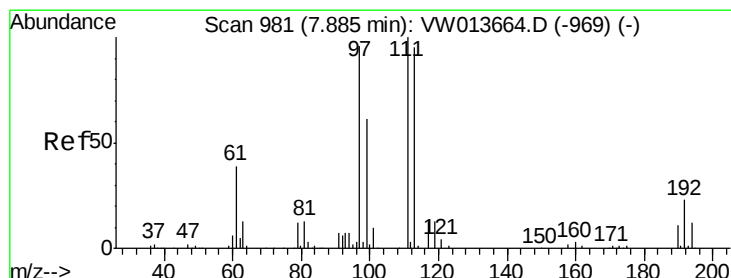
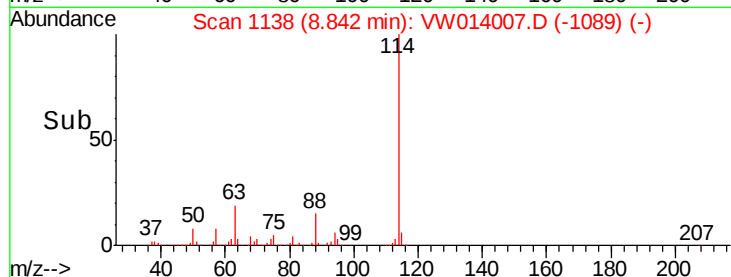
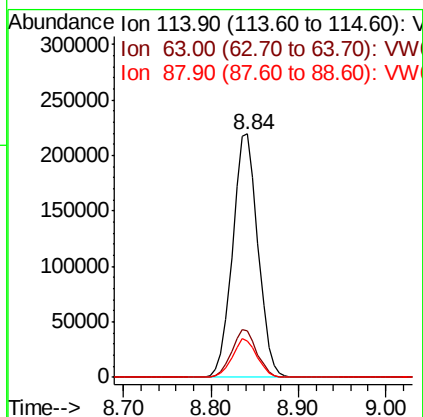
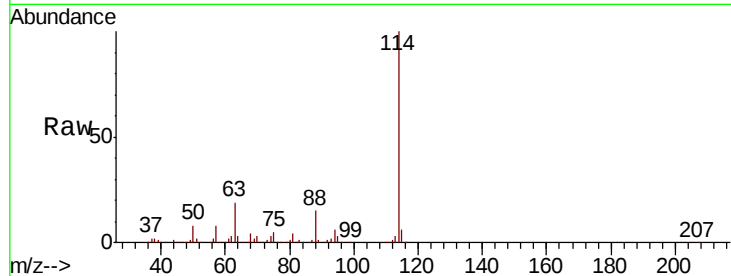




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW014007.D
 Acq: 13 Nov 2019 15:25

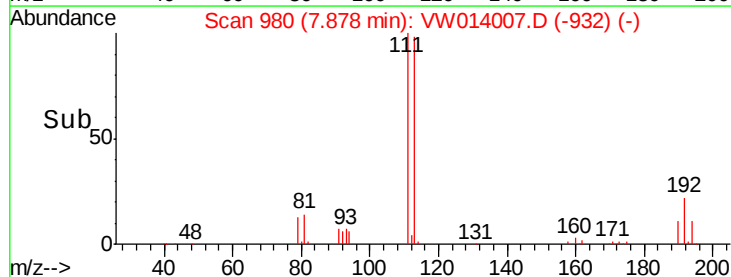
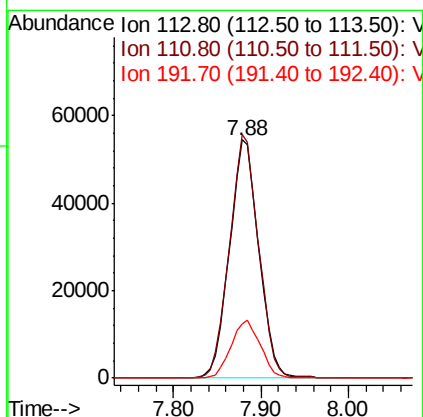
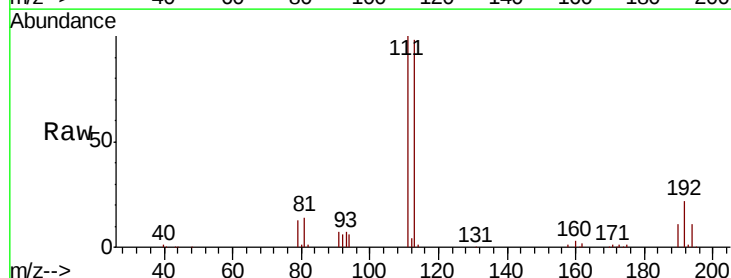
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 MSVOA_W
 ClientSampleId :

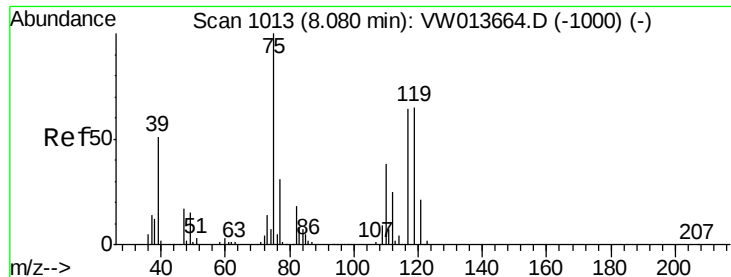
Tot Ion:114 Resp: 443272
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 37.6
 88 14.7 0.0 30.2



#35
 Dibromofluoromethane
 Concen: 51.578 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW014007.D
 Acq: 13 Nov 2019 15:25

Tgt Ion:113 Resp: 127039
 Ion Ratio Lower Upper
 113 100
 111 101.3 83.0 124.6
 192 24.1 19.4 29.2

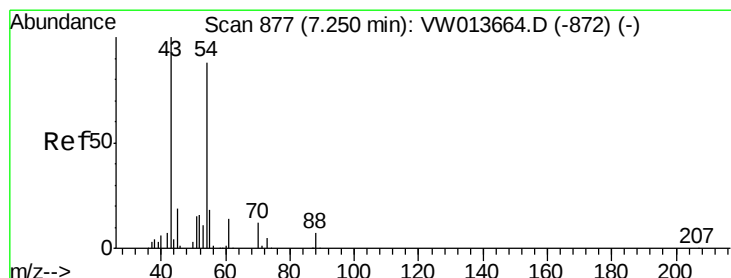
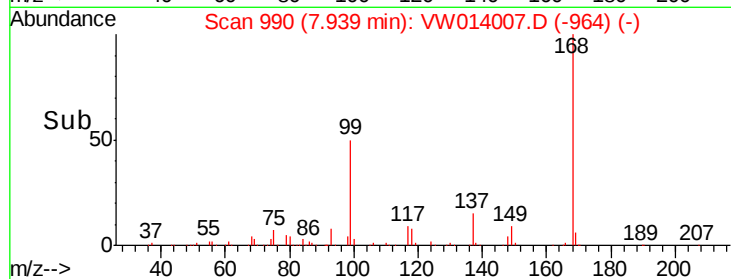
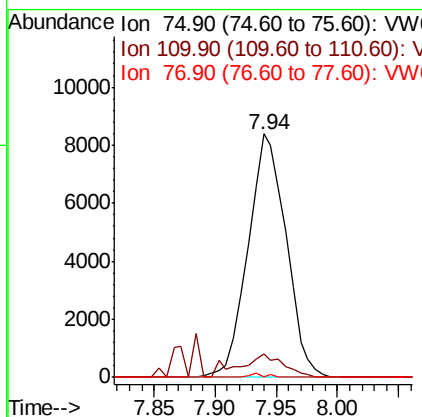
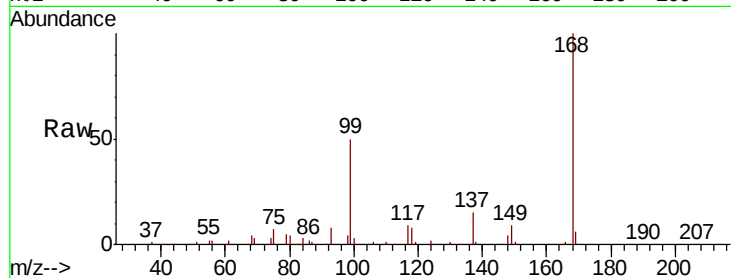




#36
 1,1-Dichloropropene
 Concen: 4.392 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW014007.D
 Acq: 13 Nov 2019 15:25

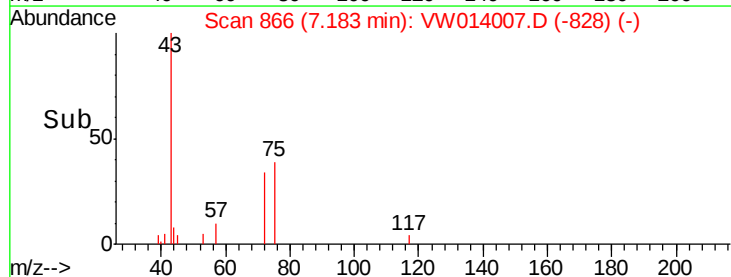
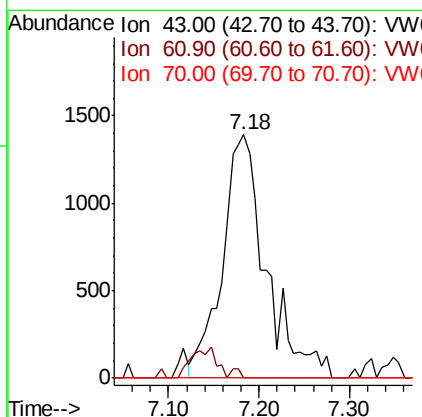
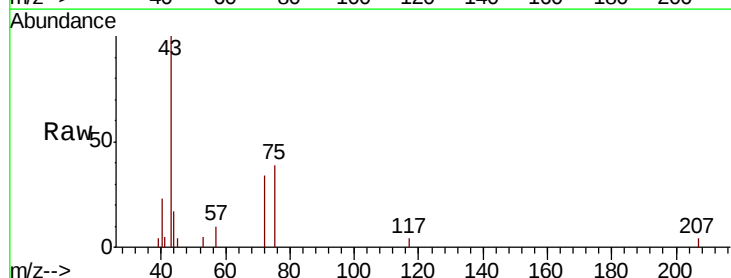
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 MSVOA_W
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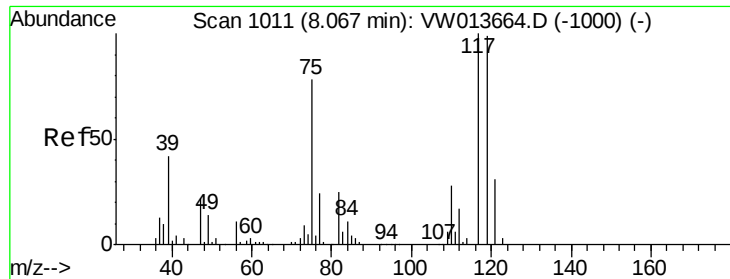
Tot Ion: 75 Resp: 18131
 Ion Ratio Lower Upper
 75 100
 110 8.0 18.7 56.1#
 77 0.6 25.4 38.0#



#37
 Ethyl Acetate
 Concen: 2.947 ug/l
 RT: 7.18 min Scan# 866
 Delta R.T. -0.07 min
 Lab File: VW014007.D
 Acq: 13 Nov 2019 15:25

Tgt Ion: 43 Resp: 4657
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.7 17.5#
 70 0.0 8.8 13.2#

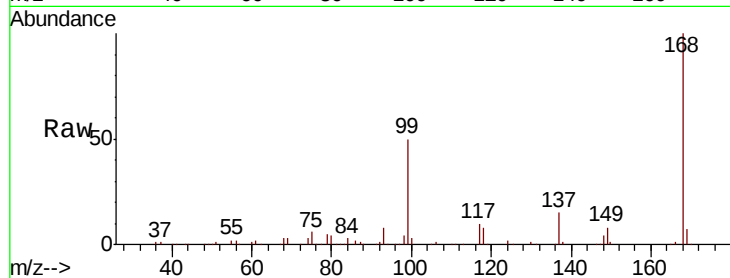




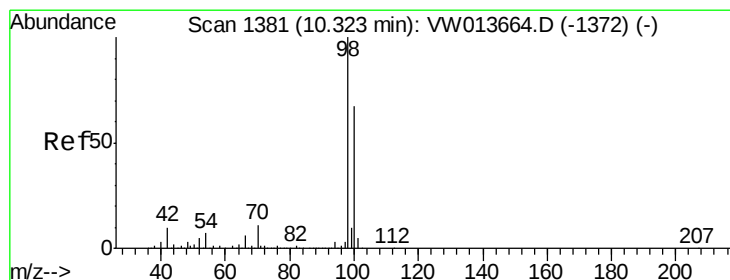
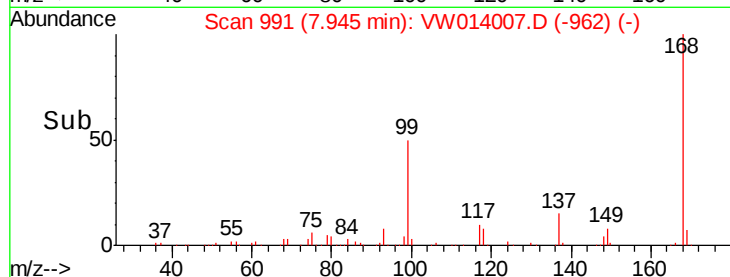
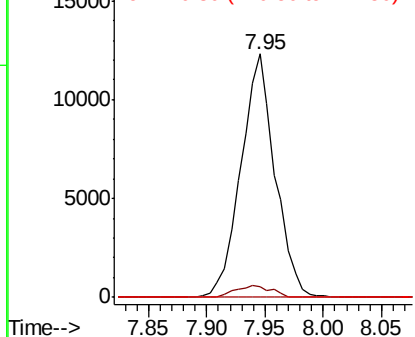
#38
Carbon Tetrachloride
Concen: 6.740 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW014007.D
Acq: 13 Nov 2019 15:25

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 25057
Ion Ratio Lower Upper
117 100
119 4.2 79.0 118.4#
121 0.0 24.5 36.7#

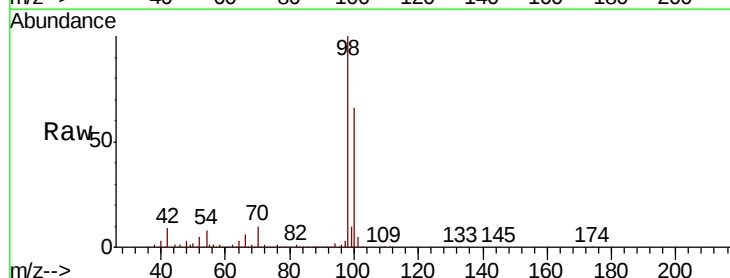


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

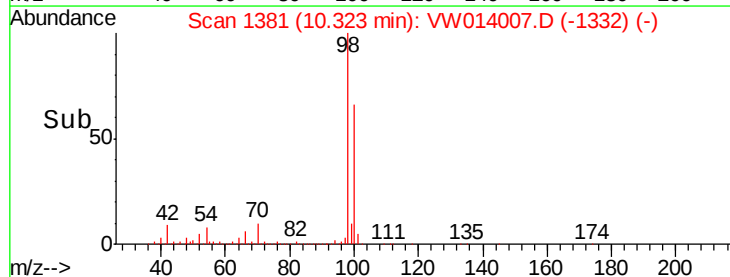
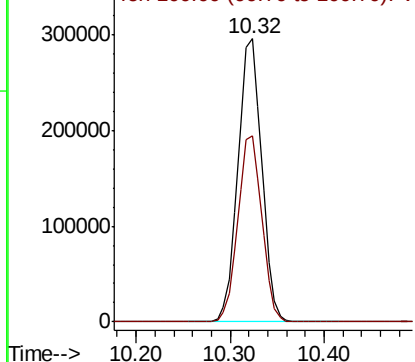


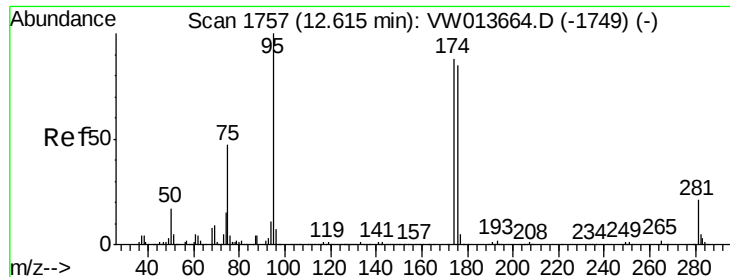
#50
Toluene-d8
Concen: 51.973 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW014007.D
Acq: 13 Nov 2019 15:25

Tgt Ion: 98 Resp: 521622
Ion Ratio Lower Upper
98 100
100 66.3 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V

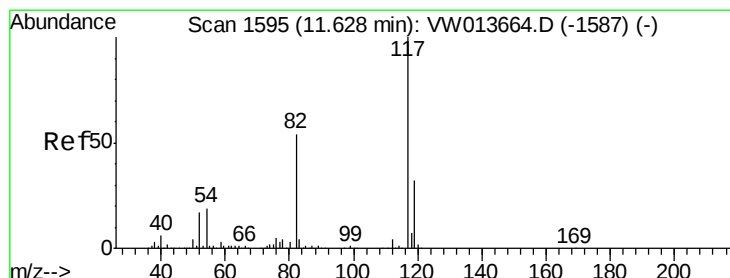
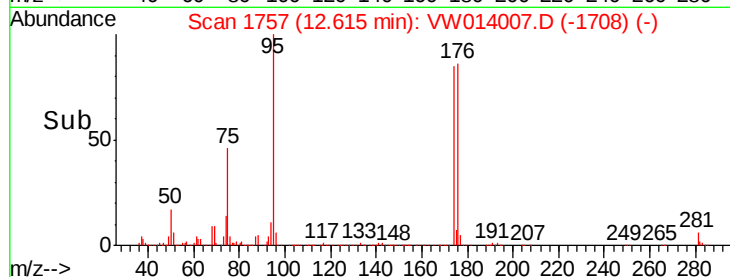
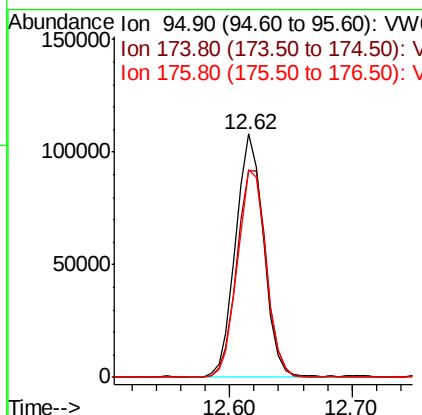
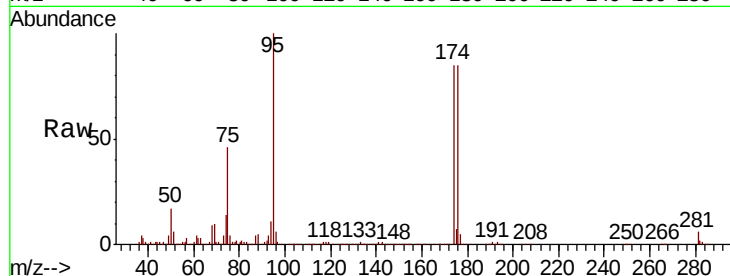




#62
4-Bromofluorobenzene
Concen: 49.771 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW014007.D
Acq: 13 Nov 2019 15:25

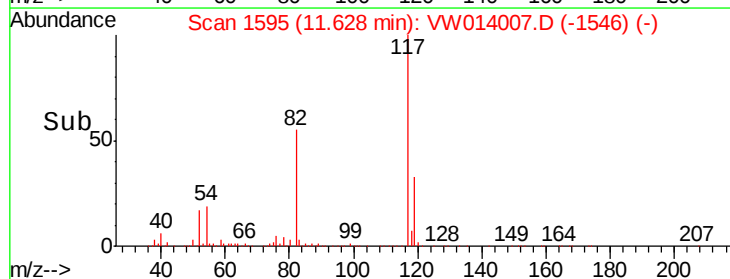
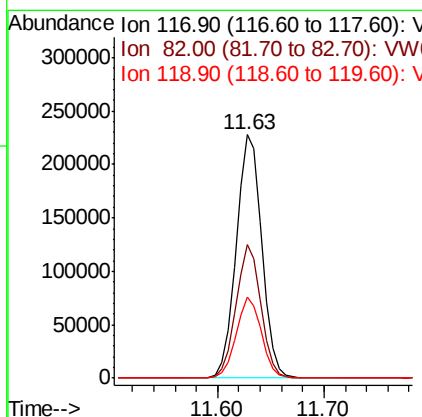
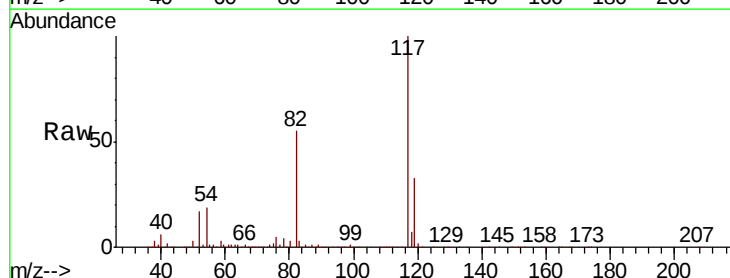
Instrument :
MSVOA_W
ClientSampleId :

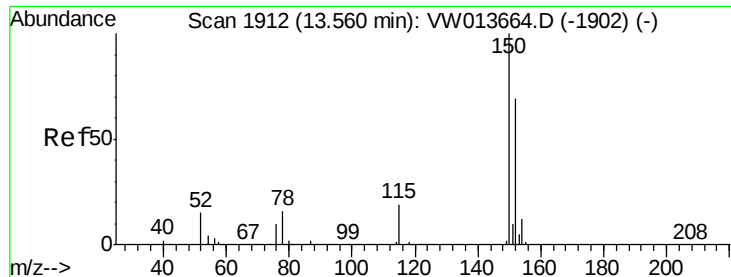
Tot Ion	Ratio	Lower	Upper
95	100		
174	91.2	0.0	183.6
176	88.1	0.0	178.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014007.D
Acq: 13 Nov 2019 15:25

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.8	43.6	65.4
119	33.0	25.4	38.2



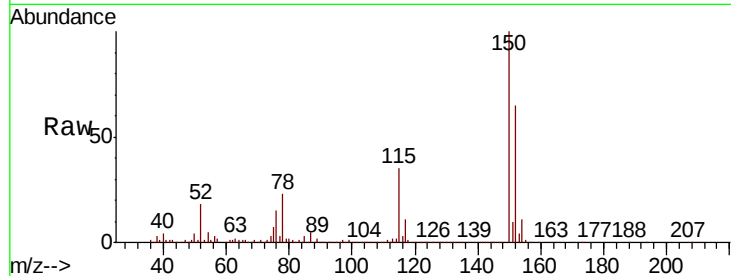


#72

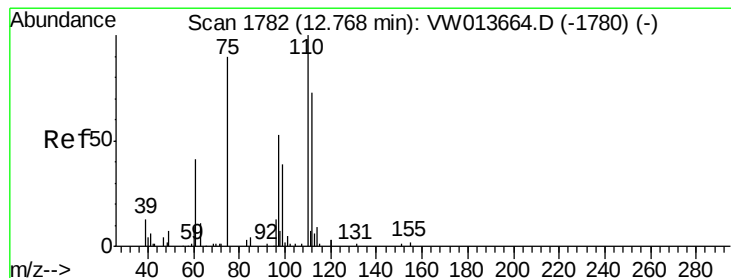
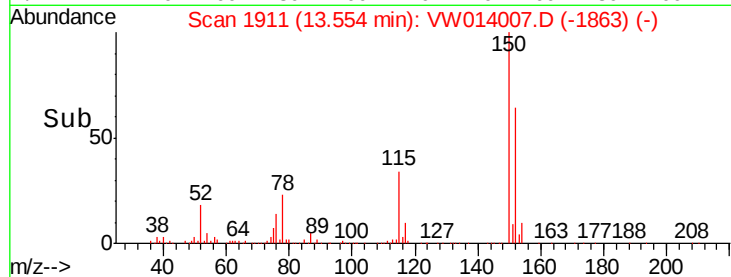
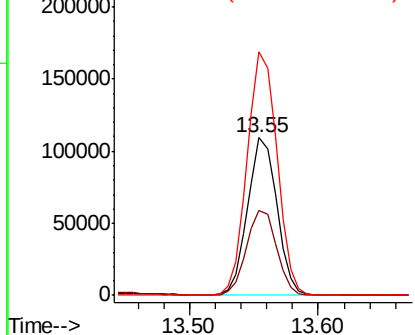
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW014007.D
Acq: 13 Nov 2019 15:25

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.1	27.4	82.2
150	157.8	0.0	345.4



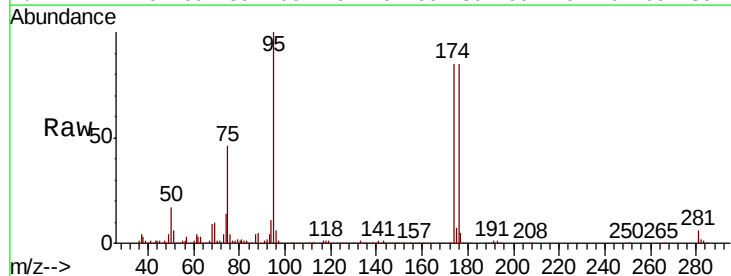
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



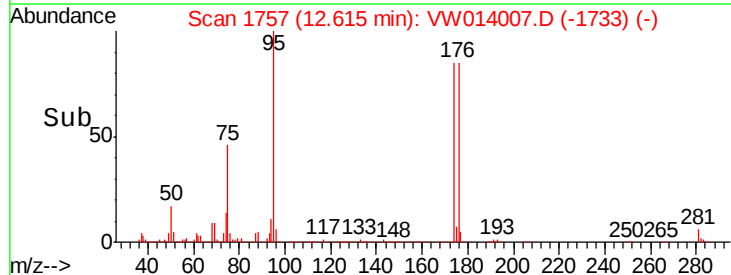
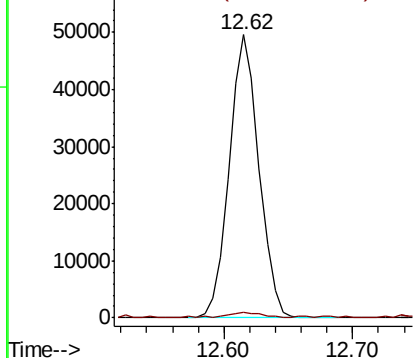
#76

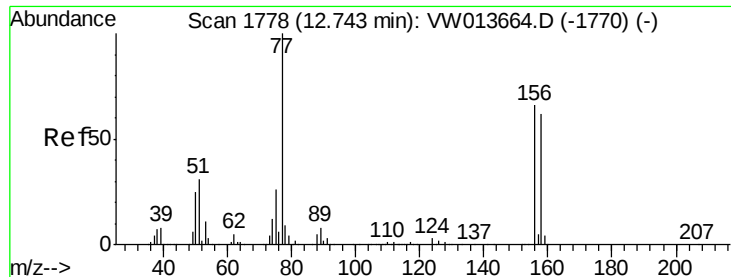
1,2,3-Trichloropropane
Concen: 64.460 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW014007.D
Acq: 13 Nov 2019 15:25

Tgt Ion	Ratio	Lower	Upper
75	100		
77	2.0	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 27.708 ug/l

RT: 12.87 min Scan# 1799

Delta R.T. 0.13 min

Lab File: VW014007.D

Acq: 13 Nov 2019 15:25

Instrument :

MSVOA_W

ClientSampleId :

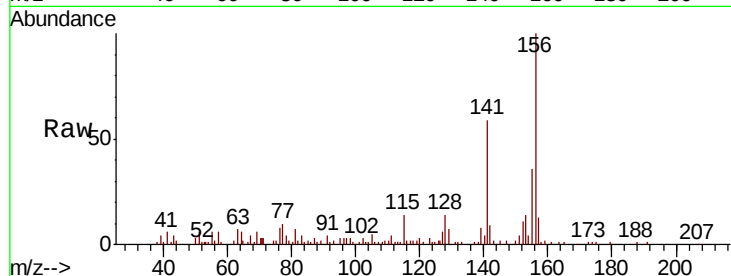
Tot Ion:156 Resp: 81680

Ion Ratio Lower Upper

156 100

77 3.7 82.9 248.7#

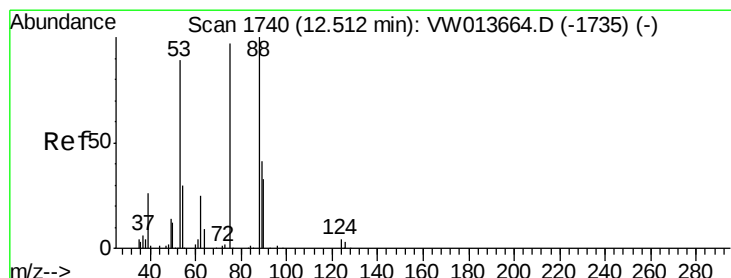
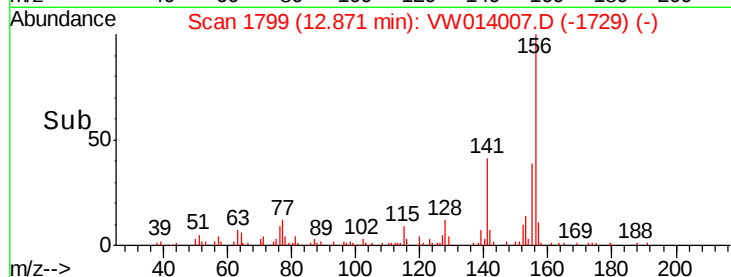
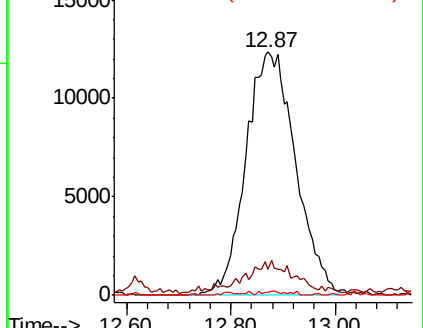
158 0.5 48.4 145.2#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 121.821 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW014007.D

Acq: 13 Nov 2019 15:25

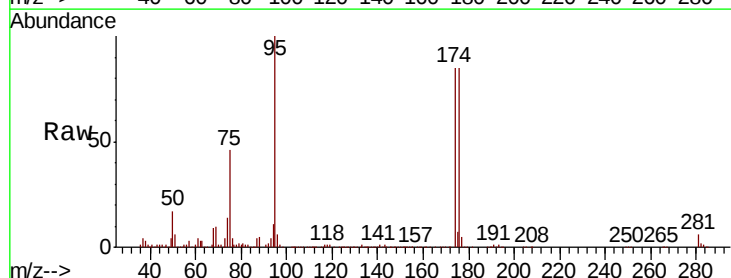
Tgt Ion: 75 Resp: 79546

Ion Ratio Lower Upper

75 100

53 0.3 71.7 107.5#

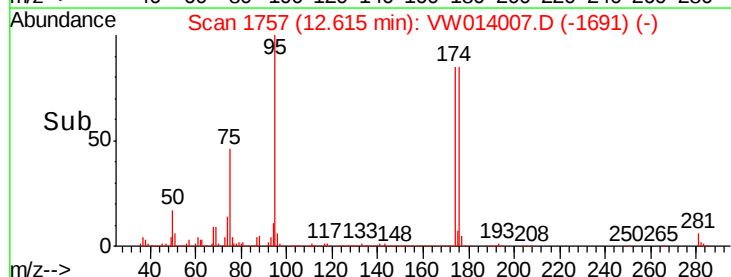
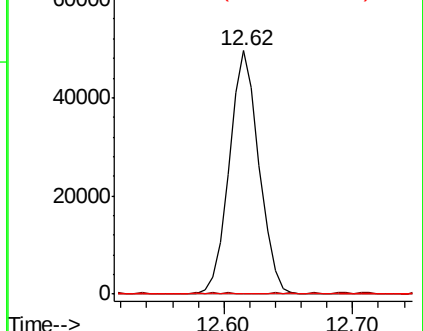
89 0.0 35.8 53.8#

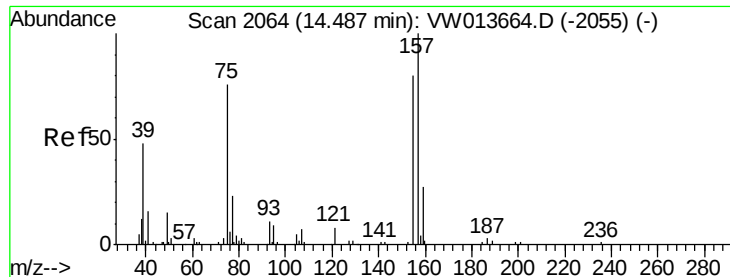


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.511 ug/l
 RT: 14.75 min Scan# 2107
 Delta R.T. 0.26 min
 Lab File: VW014007.D
 Acq: 13 Nov 2019 15:25

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 75 Resp: 445
 Ion Ratio Lower Upper
 75 100
 155 123.1 51.9 155.7
 157 162.7 64.8 194.3

