

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083120\
 Data File : VW016408.D
 Acq On : 31 Aug 2020 13:51
 Operator : SY/VA
 Sample : L3846-05
 Misc : 5.04G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BP-VPB181-GW-723-725

Quant Time: Sep 01 02:58:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082820S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 28 15:01:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	129837	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	211692	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	197940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	87461	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	77386	59.54	ug/l	0.00
Spiked Amount			Recovery	=	119.08%	
35) Dibromofluoromethane	7.88	113	70931	52.94	ug/l	0.00
Spiked Amount			Recovery	=	105.88%	
50) Toluene-d8	10.33	98	252733	50.37	ug/l	0.00
Spiked Amount			Recovery	=	100.74%	
62) 4-Bromofluorobenzene	12.62	95	93841	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	

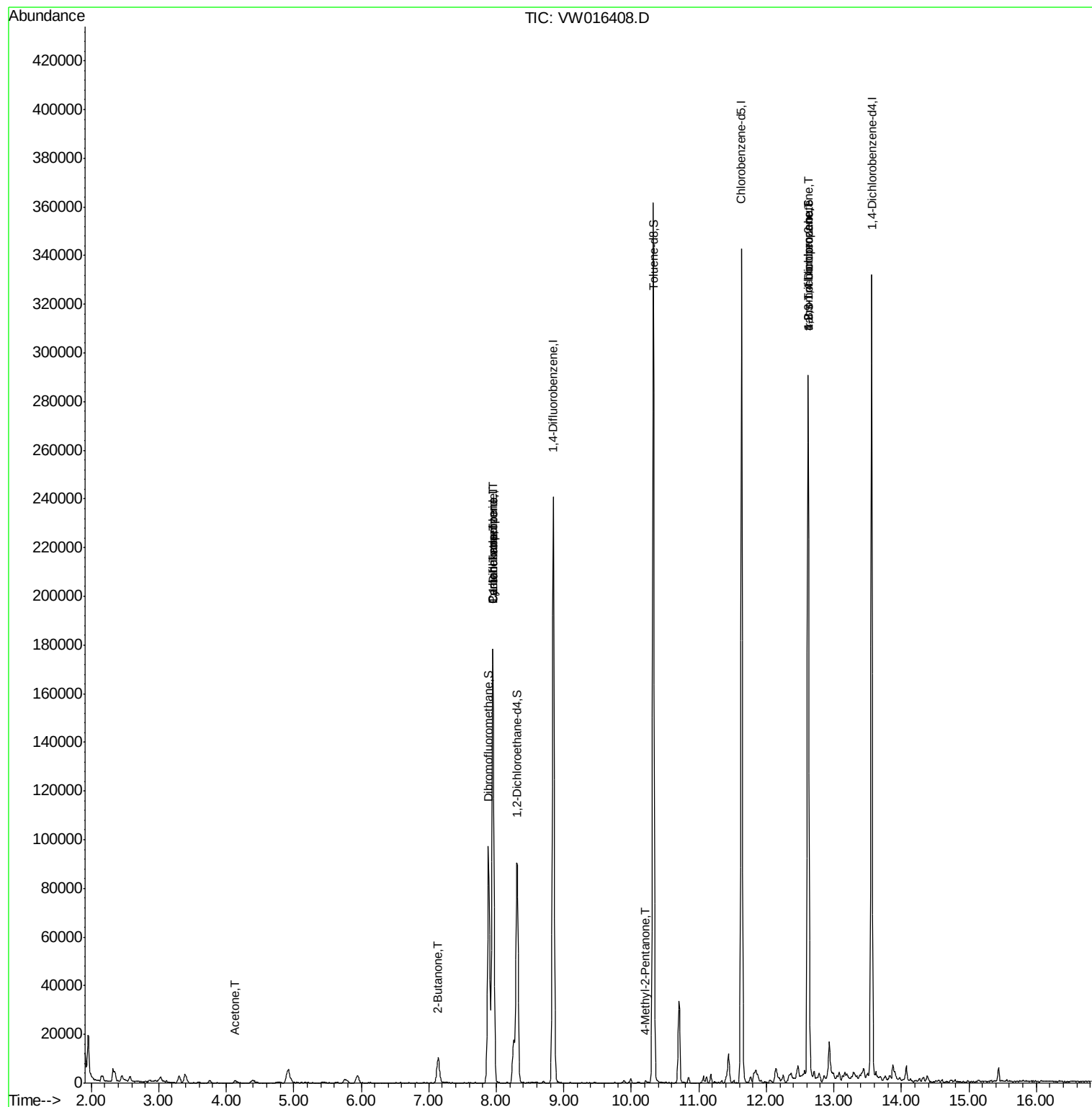
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	494	Below Cal	#	72
16) Acetone	4.13	43	2254	10.213	ug/l #	88
20) Methylene Chloride	4.91	84	4783	Below Cal	#	82
25) 2-Butanone	7.15	43	465	1.553	ug/l #	41
31) Cyclohexane	7.95	56	2476	1.226	ug/l #	17
36) 1,1-Dichloropropene	7.95	75	10078	5.002	ug/l #	49
38) Carbon Tetrachloride	7.95	117	13539	6.133	ug/l #	16
51) 4-Methyl-2-Pentanone	10.21	43	706	1.048	ug/l #	66
76) 1,2,3-Trichloropropane	12.62	75	46710	60.397	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	46710	134.093	ug/l #	11

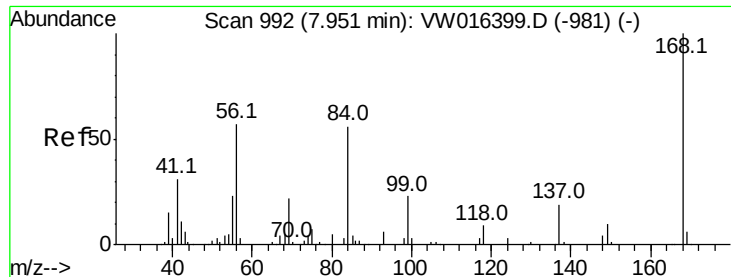
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W082820S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 28 15:01:43 2020
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: VW016408.D

Acq: 31 Aug 2020 13:51

Instrument :

MSVOA_W

ClientSampleId :

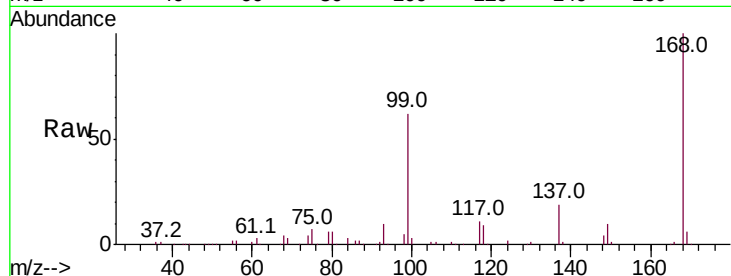
BP-VPB181-GW-723-725

Tot Ion:168 Resp: 129837

Ion Ratio Lower Upper

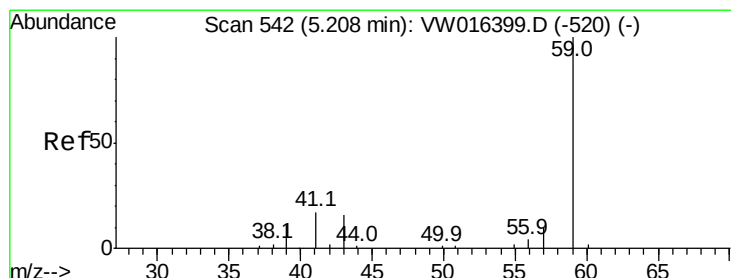
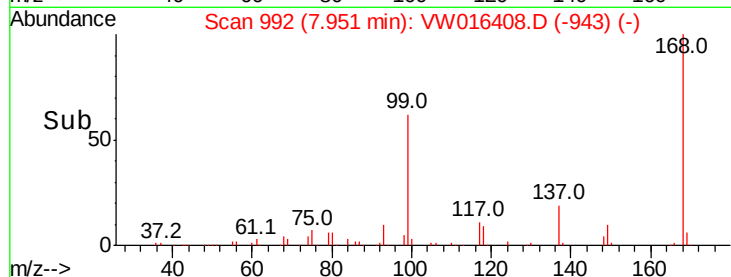
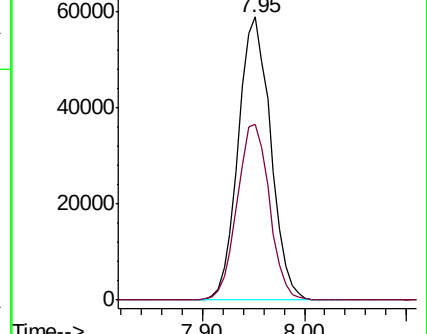
168 100

99 62.3 49.0 73.4



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: 5.17 min Scan# 536

Delta R.T. -0.04 min

Lab File: VW016408.D

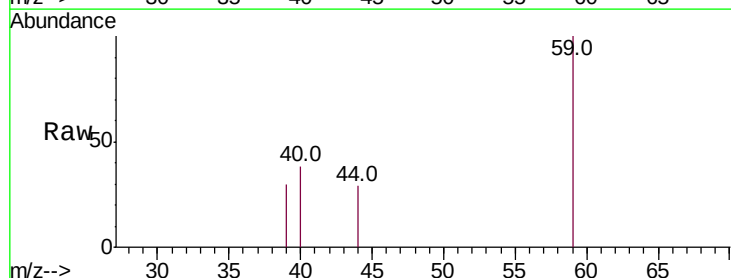
Acq: 31 Aug 2020 13:51

Tgt Ion: 59 Resp: 494

Ion Ratio Lower Upper

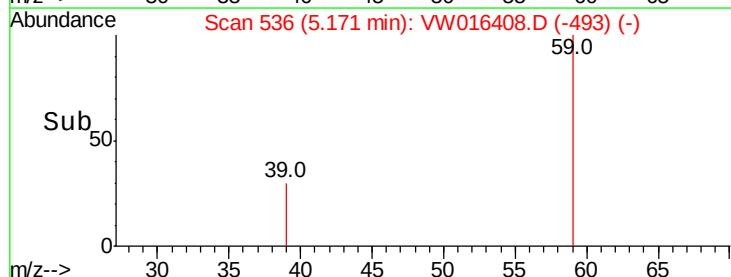
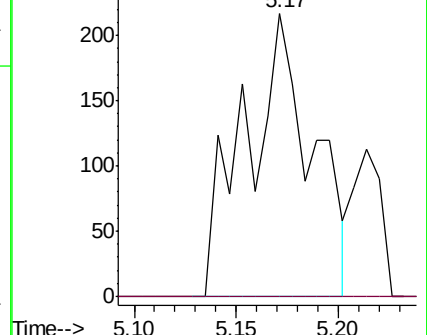
59 100

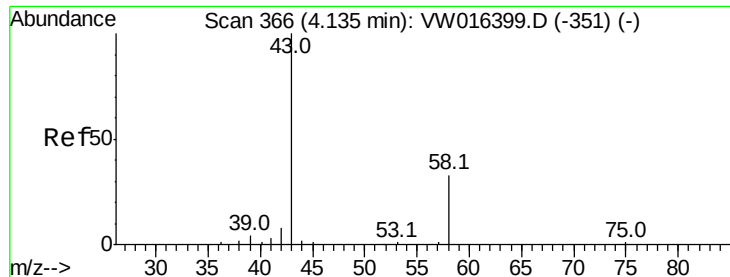
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 10.213 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW016408.D

Acq: 31 Aug 2020 13:51

Instrument :

MSVOA_W

ClientSampleId :

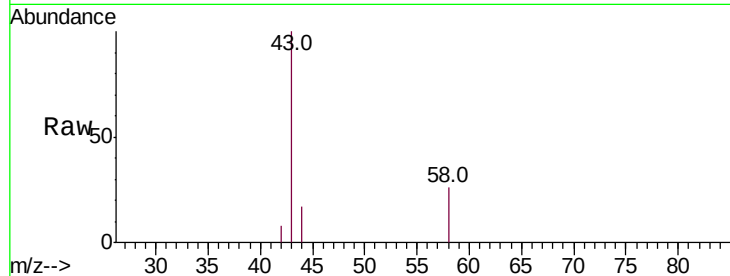
BP-VPB181-GW-723-725

Tot Ion: 43 Resp: 2254

Ion Ratio Lower Upper

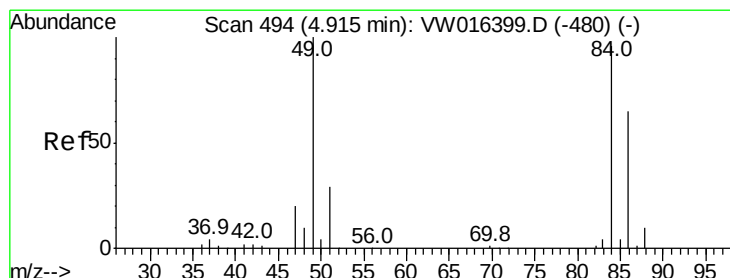
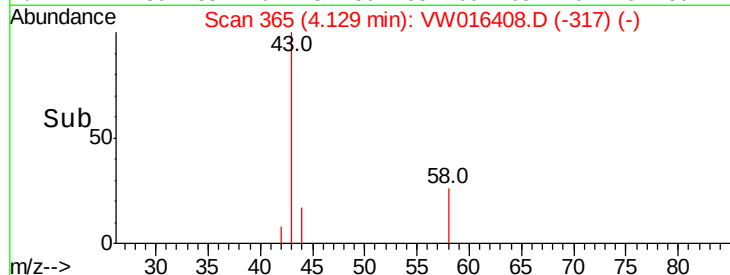
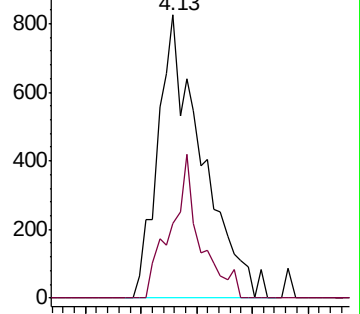
43 100

58 26.3 26.6 39.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW016408.D

Acq: 31 Aug 2020 13:51

Tgt Ion: 84 Resp: 4783

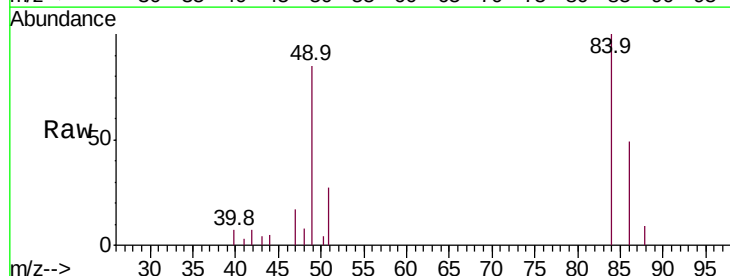
Ion Ratio Lower Upper

84 100

49 85.4 83.2 124.8

51 26.6 24.4 36.6

86 48.8 54.2 81.2#

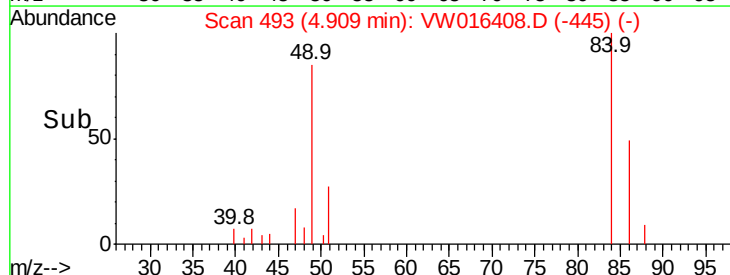
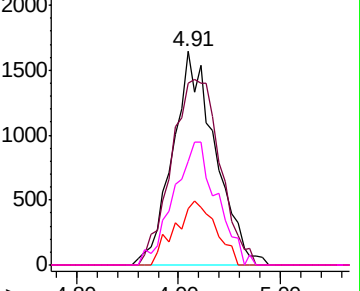


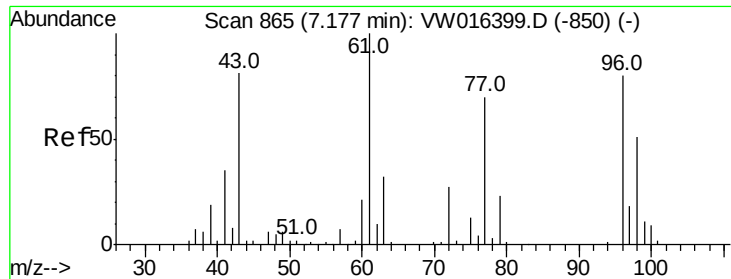
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#25

2-Butanone

Concen: 1.553 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.03 min

Lab File: VW016408.D

Acq: 31 Aug 2020 13:51

Instrument :

MSVOA_W

ClientSampleId :

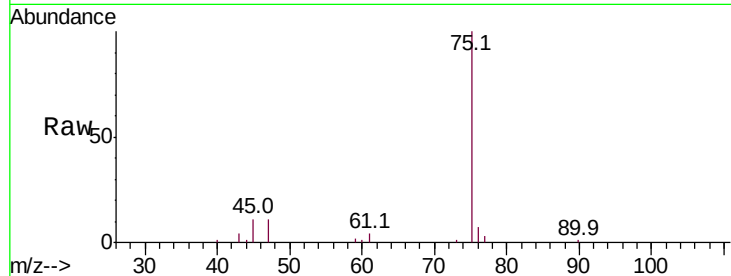
BP-VPB181-GW-723-725

Tot Ion: 43 Resp: 465

Ion Ratio Lower Upper

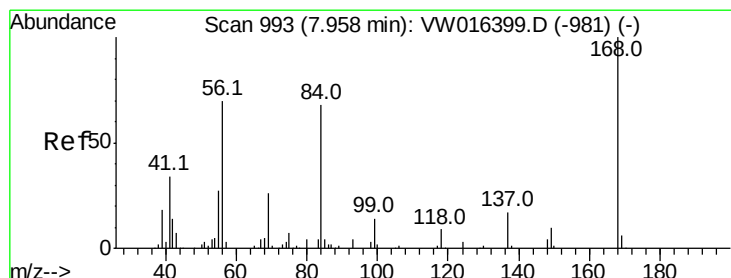
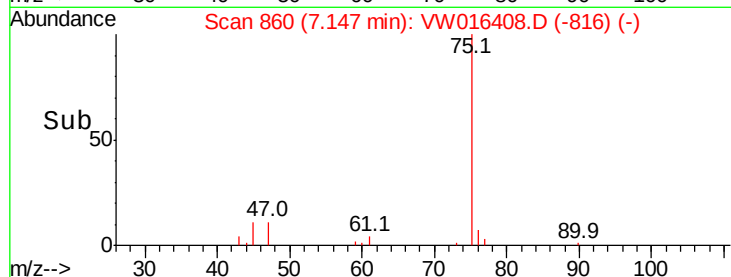
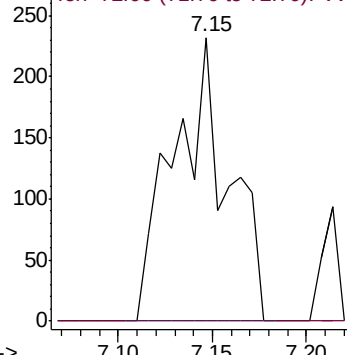
43 100

72 0.0 26.7 40.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#31

Cyclohexane

Concen: 1.226 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW016408.D

Acq: 31 Aug 2020 13:51

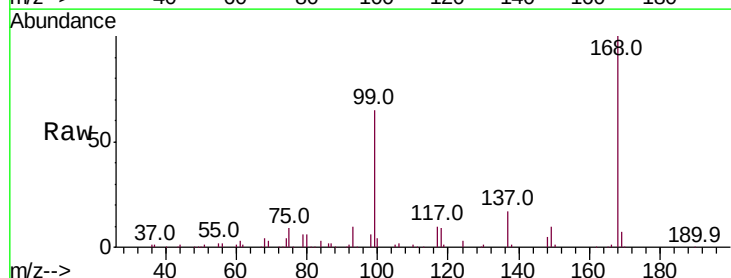
Tgt Ion: 56 Resp: 2476

Ion Ratio Lower Upper

56 100

69 160.6 30.0 45.0#

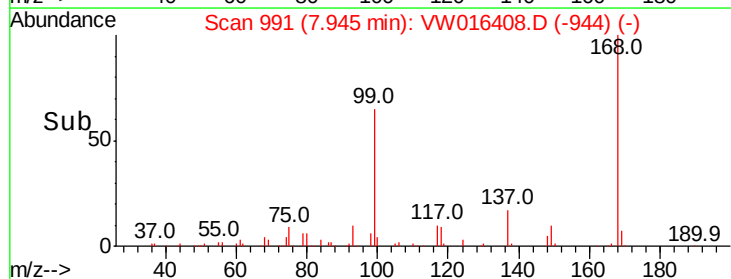
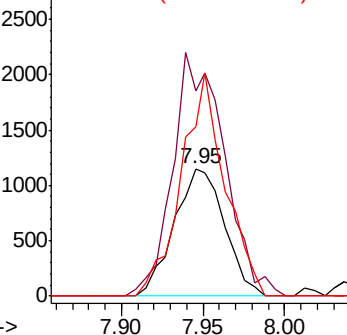
84 132.1 77.4 116.2#

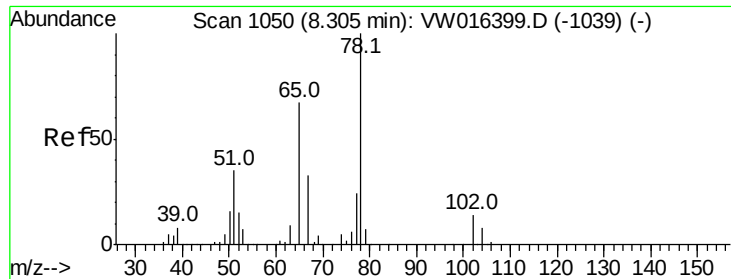


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

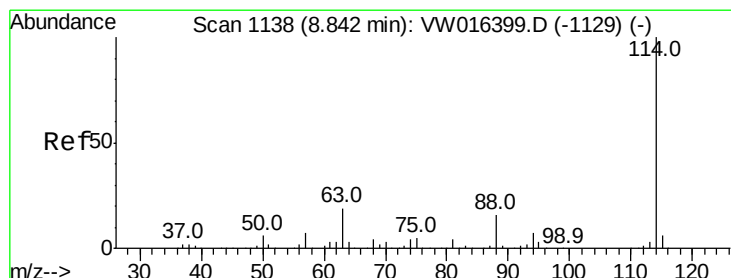
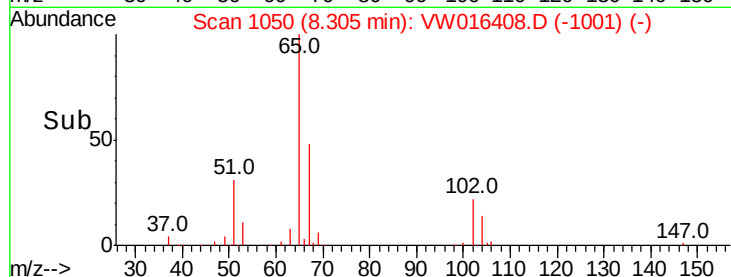
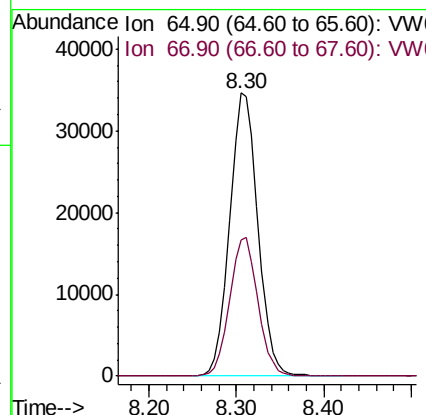
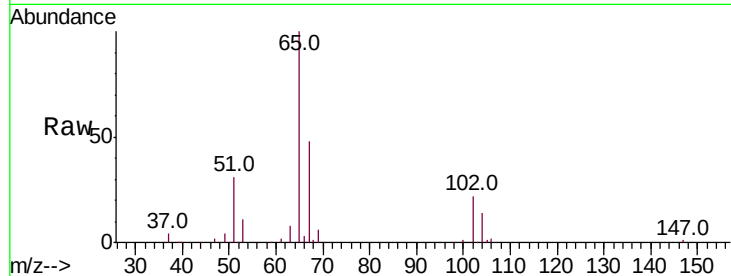




#33
 1,2-Dichloroethane-d4
 Concen: 59.540 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW016408.D
 Acq: 31 Aug 2020 13:51

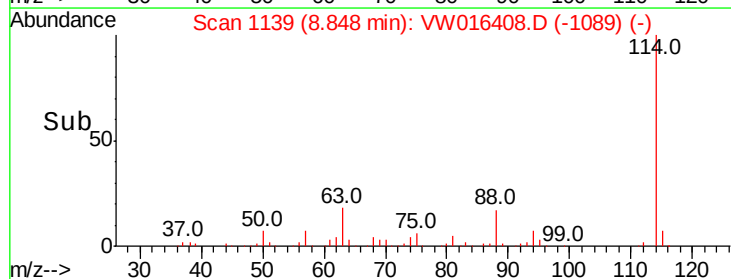
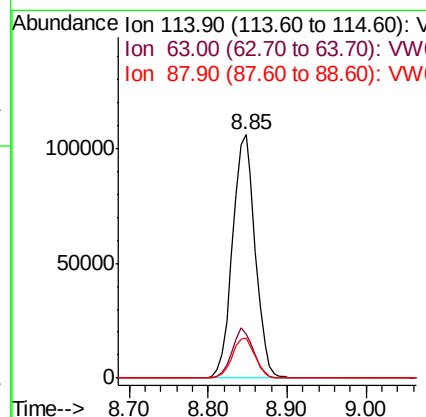
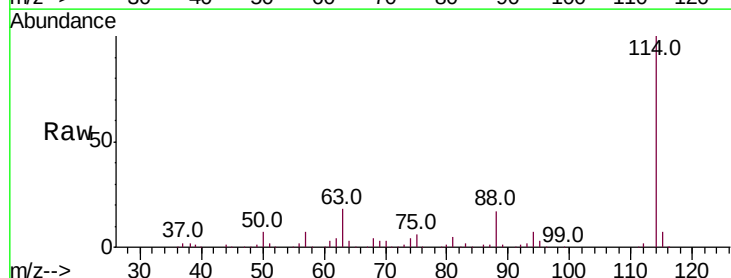
Instrument :
 MSVOA_W
 ClientSampleId :
 BP-VPB181-GW-723-725

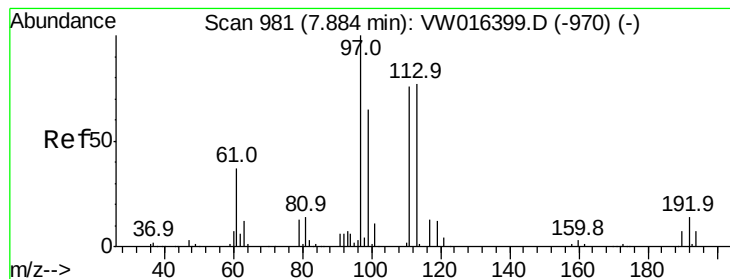
Tot Ion: 65 Resp: 77386
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW016408.D
 Acq: 31 Aug 2020 13:51

Tgt Ion: 114 Resp: 211692
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 37.8
 88 16.7 0.0 31.2





#35

Dibromofluoromethane

Concen: 52.935 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW016408.D

Acq: 31 Aug 2020 13:51

Instrument :

MSVOA_W

ClientSampleId :

BP-VPB181-GW-723-725

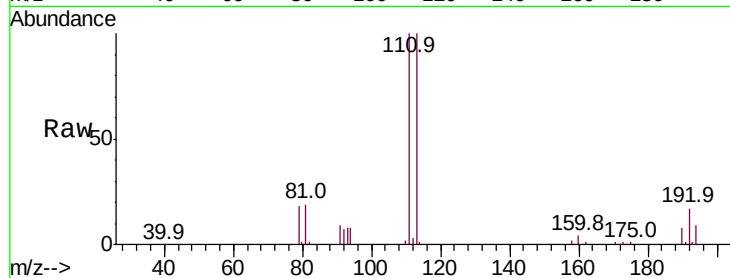
Tot Ion:113 Resp: 70931

Ion Ratio Lower Upper

113 100

111 99.5 82.1 123.1

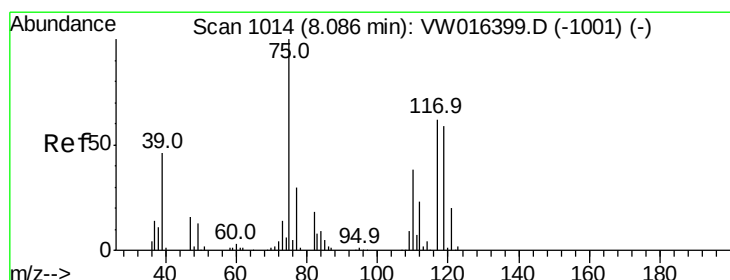
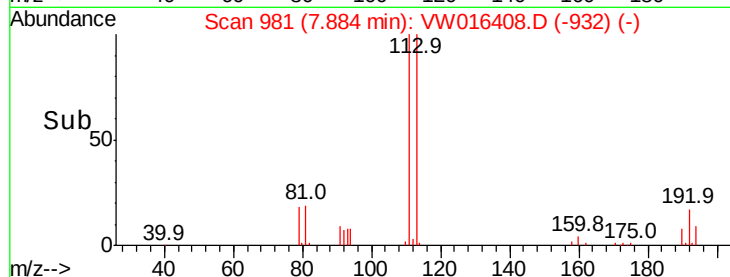
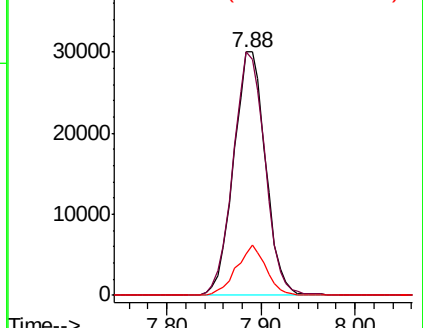
192 19.1 15.5 23.3



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: 5.002 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW016408.D

Acq: 31 Aug 2020 13:51

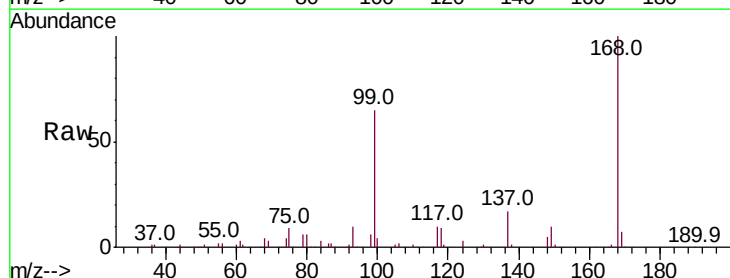
Tgt Ion: 75 Resp: 10078

Ion Ratio Lower Upper

75 100

110 9.9 18.6 56.0#

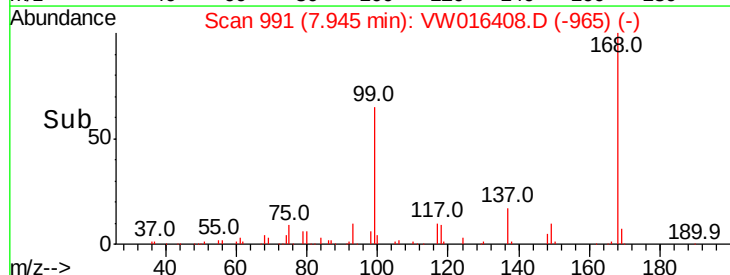
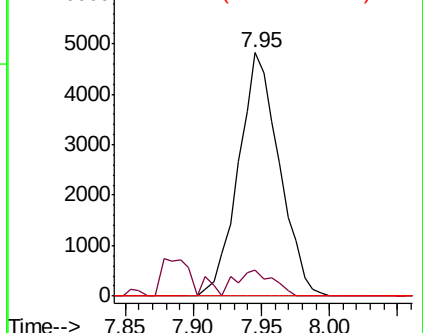
77 0.0 25.1 37.7#

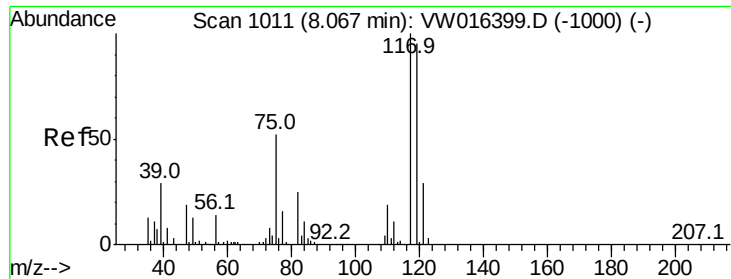


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

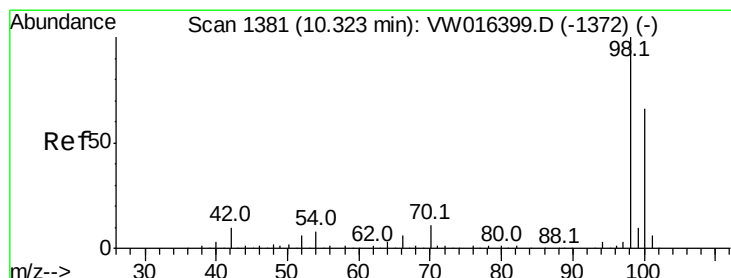
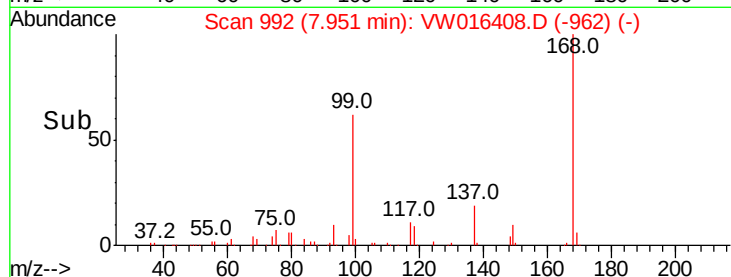
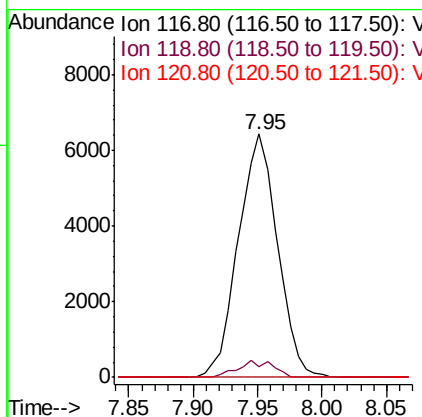
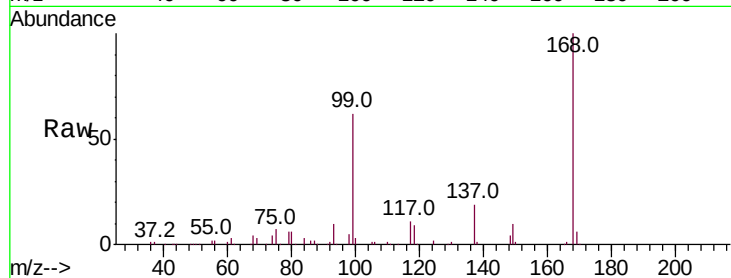




#38
Carbon Tetrachloride
Concen: 6.133 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW016408.D
Acq: 31 Aug 2020 13:51

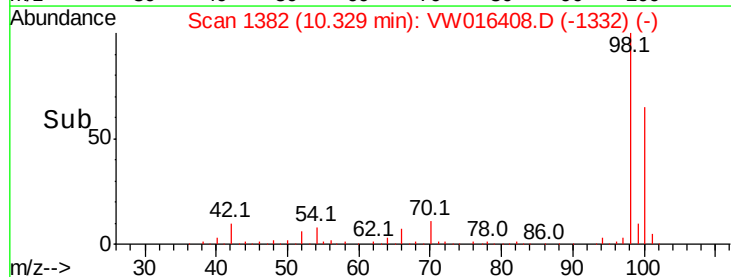
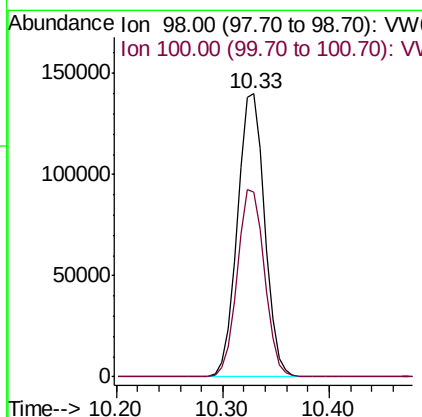
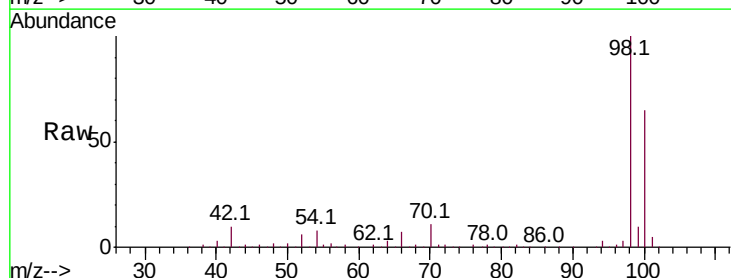
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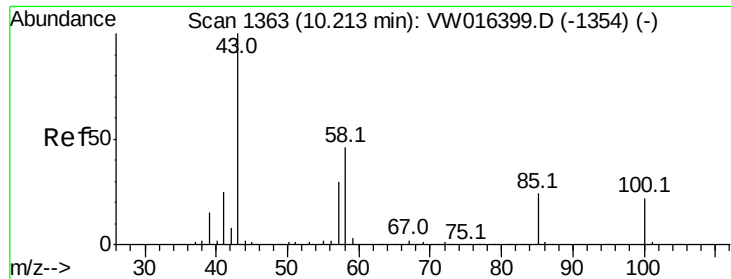
Tot Ion:117 Resp: 13539
Ion Ratio Lower Upper
117 100
119 4.3 76.3 114.5#
121 0.0 23.0 34.6#



#50
Toluene-d8
Concen: 50.369 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.01 min
Lab File: VW016408.D
Acq: 31 Aug 2020 13:51

Tgt Ion: 98 Resp: 252733
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8

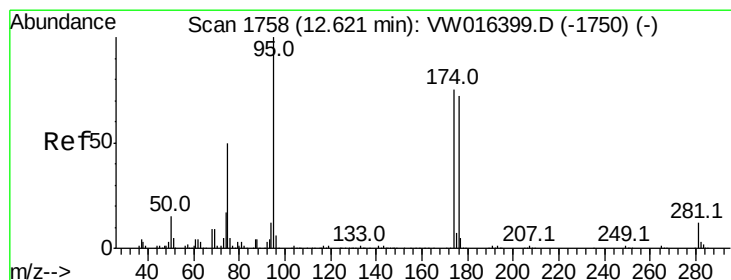
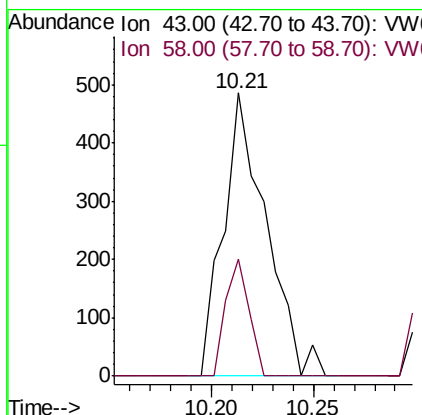
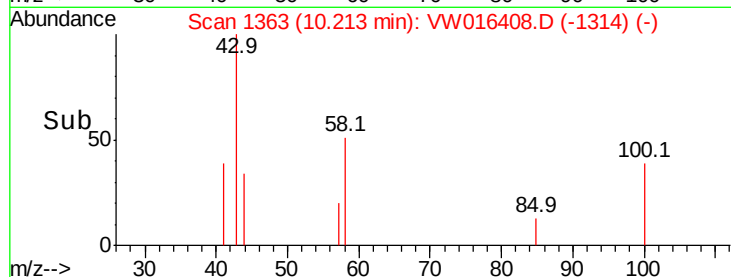
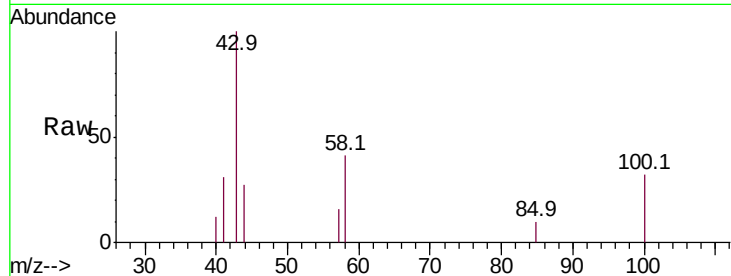




#51
4-Methyl-2-Pentanone
Concen: 1.048 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW016408.D
Acq: 31 Aug 2020 13:51

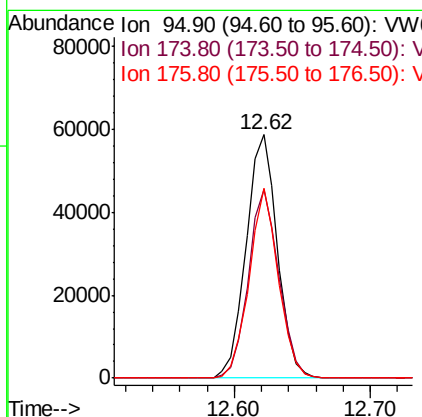
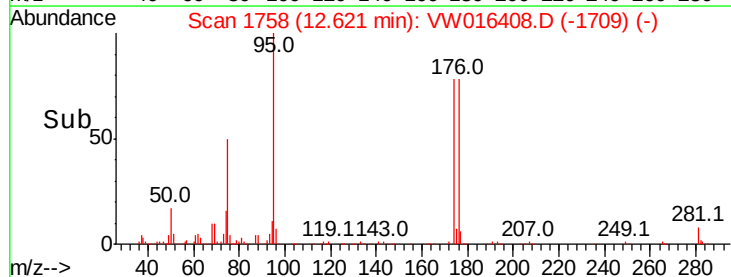
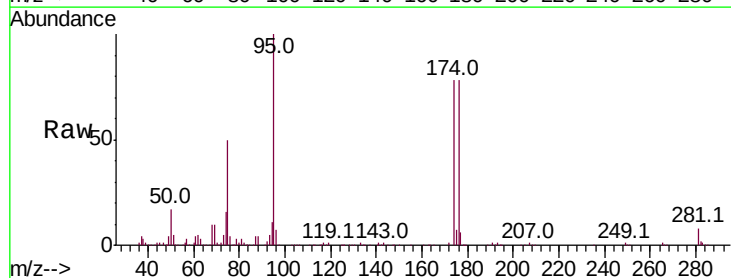
Instrument :
MSVOA_W
ClientSampleId :
BP-VPB181-GW-723-725

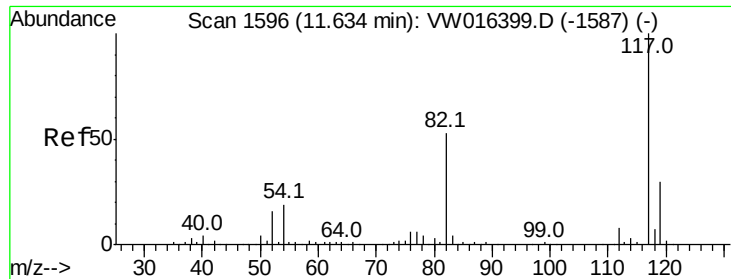
Tot Ion: 43 Resp: 706
Ion Ratio Lower Upper
43 100
58 22.2 35.4 53.0#



#62
4-Bromofluorobenzene
Concen: 49.874 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW016408.D
Acq: 31 Aug 2020 13:51

Tgt Ion: 95 Resp: 93841
Ion Ratio Lower Upper
95 100
174 76.7 0.0 152.0
176 73.8 0.0 145.6

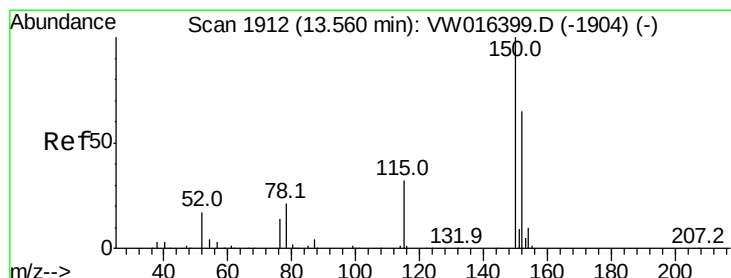
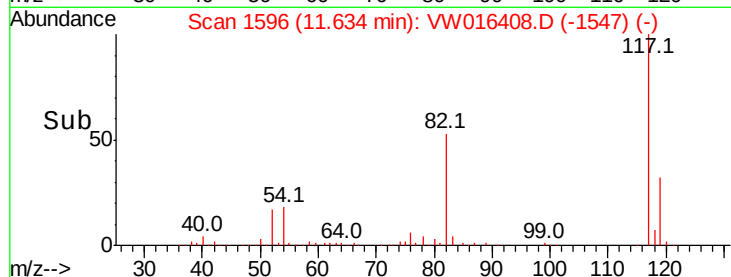
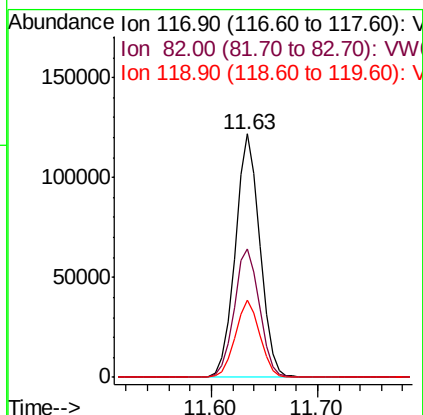
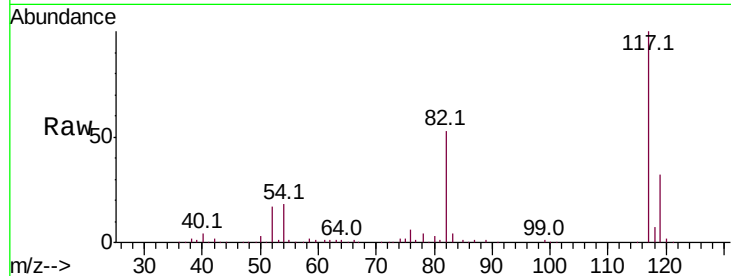




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW016408.D
Acq: 31 Aug 2020 13:51

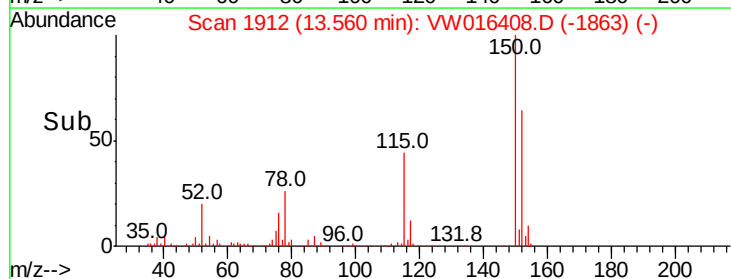
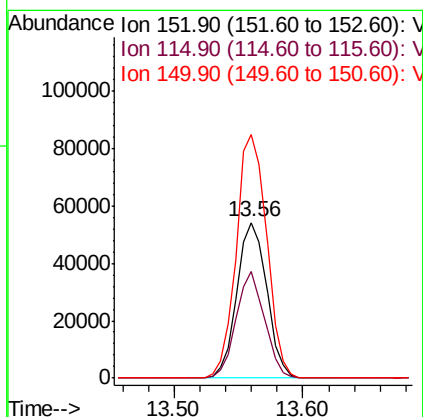
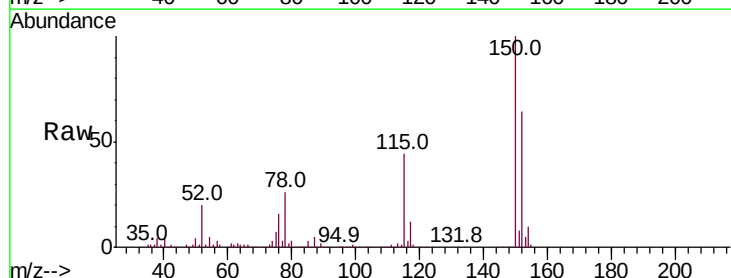
Instrument :
MSVOA_W
ClientSampleId :
BP-VPB181-GW-723-725

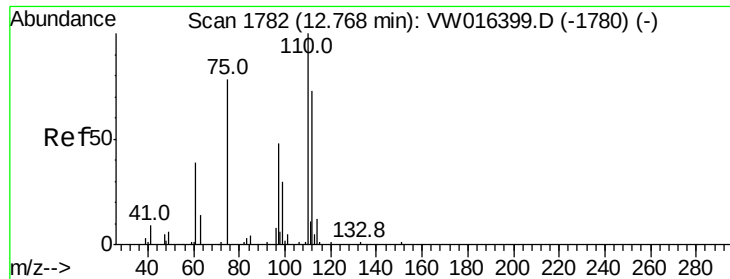
Tot Ion:117 Resp: 197940
Ion Ratio Lower Upper
117 100
82 52.9 42.2 63.4
119 31.9 24.2 36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW016408.D
Acq: 31 Aug 2020 13:51

Tgt Ion:152 Resp: 87461
Ion Ratio Lower Upper
152 100
115 65.0 30.9 92.5
150 159.2 0.0 351.0





#76

1,2,3-Trichloropropane

Concen: 60.397 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW016408.D

Acq: 31 Aug 2020 13:51

Instrument :

MSVOA_W

ClientSampleId :

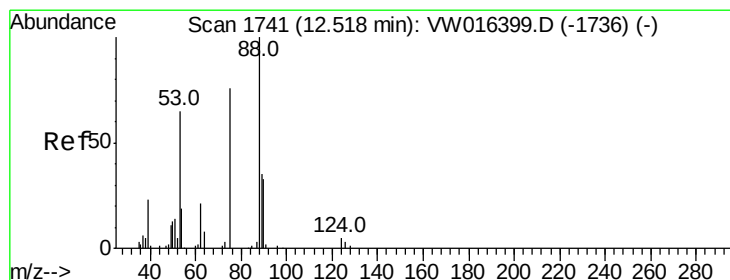
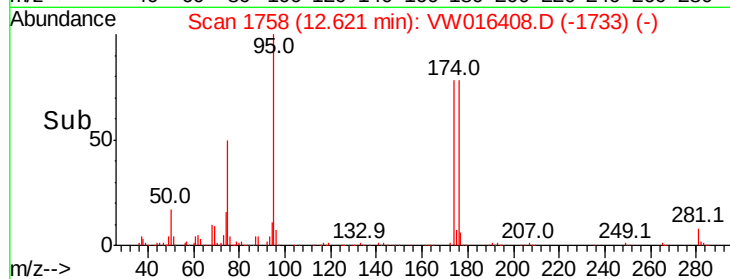
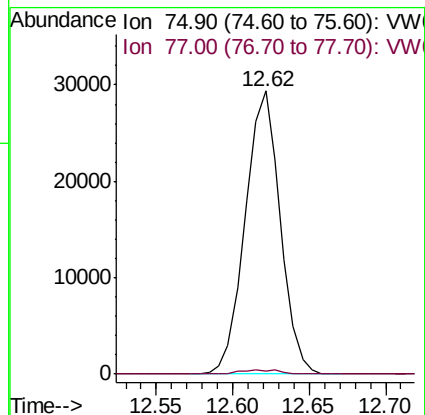
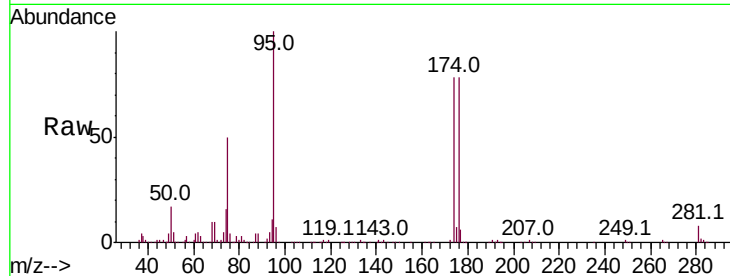
BP-VPB181-GW-723-725

Tot Ion: 75 Resp: 46710

Ion Ratio Lower Upper

75 100

77 1.6 173.4 520.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 134.093 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW016408.D

Acq: 31 Aug 2020 13:51

Tgt Ion: 75 Resp: 46710

Ion Ratio Lower Upper

75 100

53 0.5 75.2 112.8#

89 0.0 40.4 60.6#

