

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100719\
 Data File : VW013464.D
 Acq On : 07 Oct 2019 15:36
 Operator : SY/VA
 Sample : K5231-02
 Misc : 4.98G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 20190761-SS-COMPOSITE-1

Quant Time: Oct 07 17:54:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	334166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	490874	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	420174	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	188827	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	133460	53.49	ug/l	0.00
Spiked Amount			Recovery	=	106.98%	
35) Dibromofluoromethane	7.88	113	136204	52.88	ug/l	0.00
Spiked Amount			Recovery	=	105.76%	
50) Toluene-d8	10.32	98	571179	53.44	ug/l	0.00
Spiked Amount			Recovery	=	106.88%	
62) 4-Bromofluorobenzene	12.62	95	185480	51.96	ug/l	0.00
Spiked Amount			Recovery	=	103.92%	

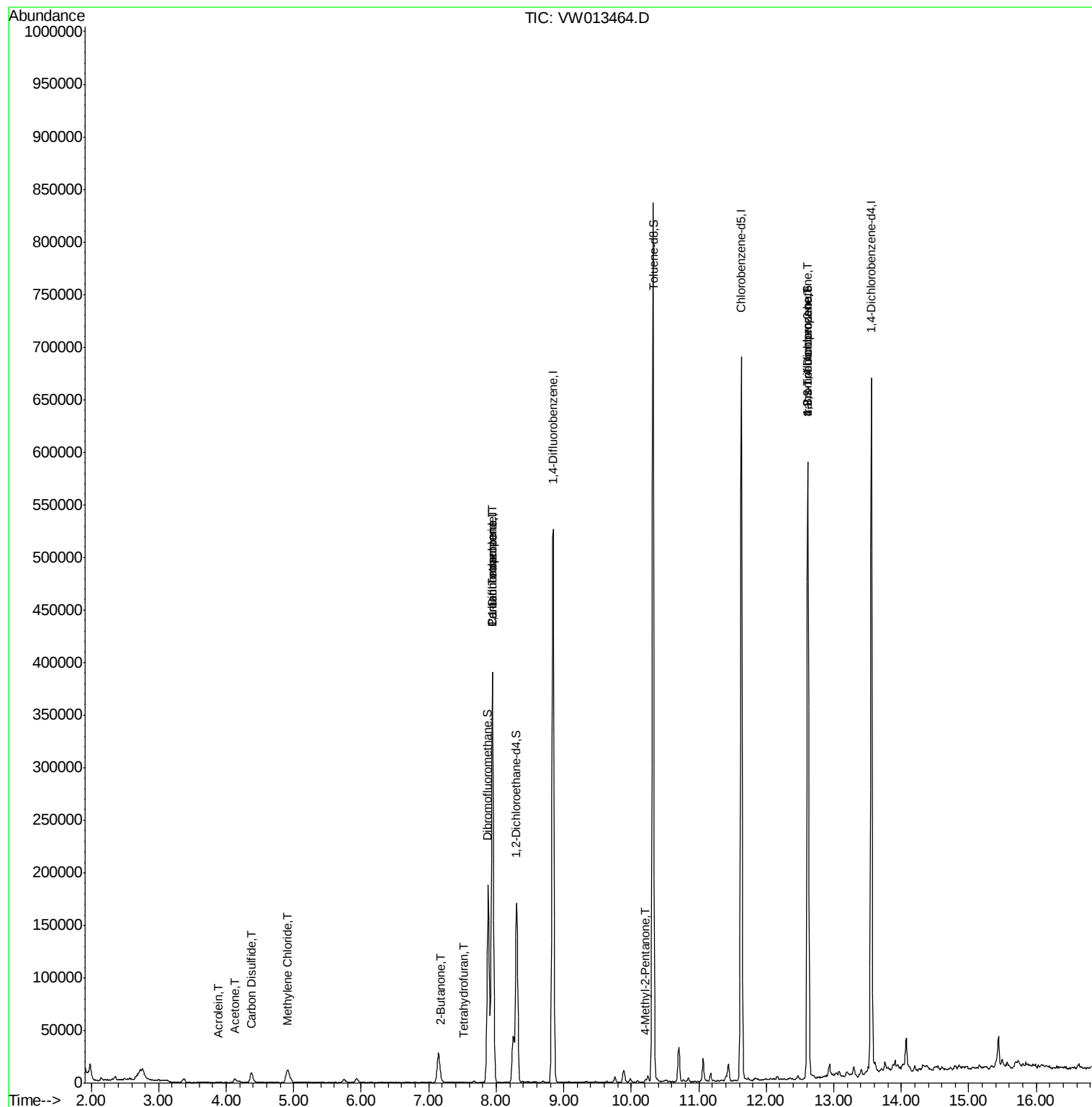
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	511	Below Cal	#	73
13) Acrolein	3.89	56	157	11.174	ug/l	83
16) Acetone	4.13	43	6252	8.175	ug/l #	85
17) Carbon Disulfide	4.37	76	21365	2.490	ug/l #	92
20) Methylene Chloride	4.92	84	10674	1.611	ug/l	98
25) 2-Butanone	7.18	43	1044	1.067	ug/l	92
26) 2,2-Dichloropropane	7.15	77	2051	Below Cal	#	52
29) Tetrahydrofuran	7.51	42	30	9.744	ug/l #	34
36) 1,1-Dichloropropene	7.95	75	20759	4.553	ug/l #	49
38) Carbon Tetrachloride	7.95	117	27643	6.999	ug/l #	16
51) 4-Methyl-2-Pentanone	10.22	43	2346	1.179	ug/l	90
76) 1,2,3-Trichloropropane	12.62	75	86193	51.359	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	86193	104.241	ug/l #	12

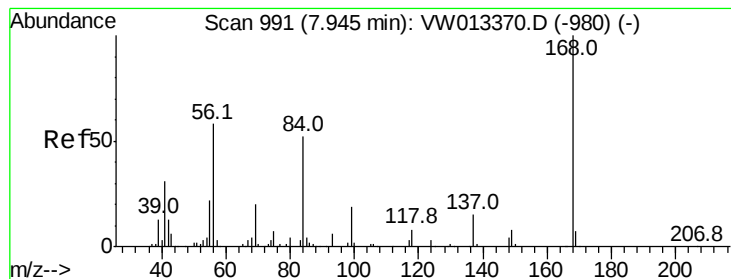
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013464.D

Acq: 07 Oct 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

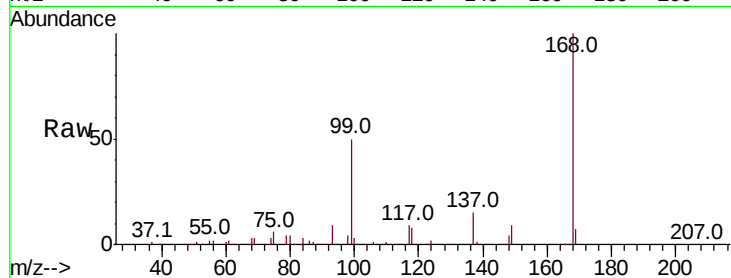
20190761-SS-COMPOSITE-1

Tot Ion:168 Resp: 334166

Ion Ratio Lower Upper

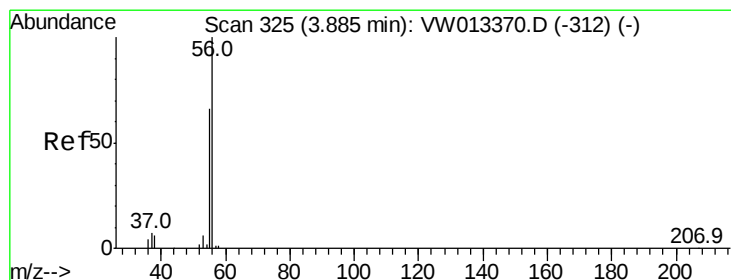
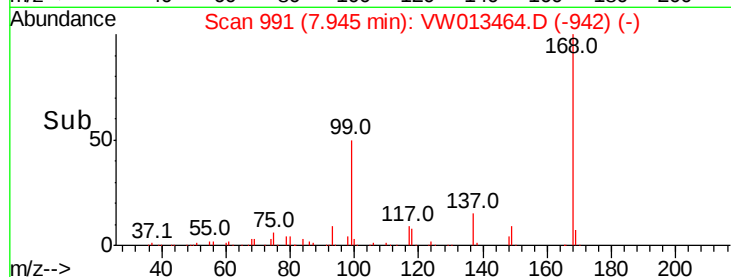
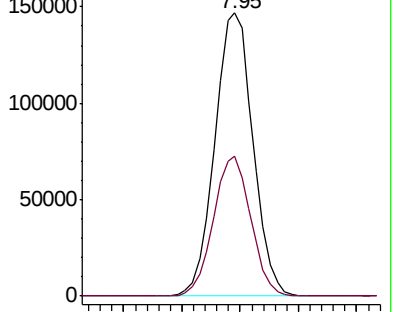
168 100

99 49.7 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#13

Acrolein

Concen: 11.174 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW013464.D

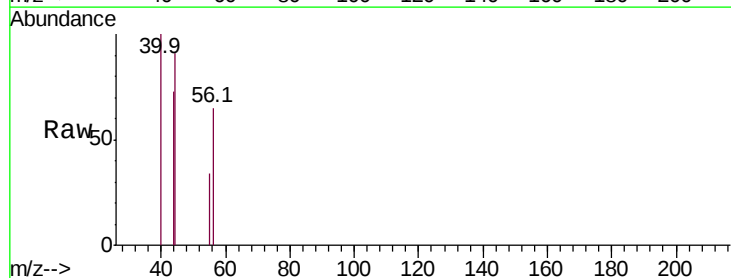
Acq: 07 Oct 2019 15:36

Tgt Ion: 56 Resp: 157

Ion Ratio Lower Upper

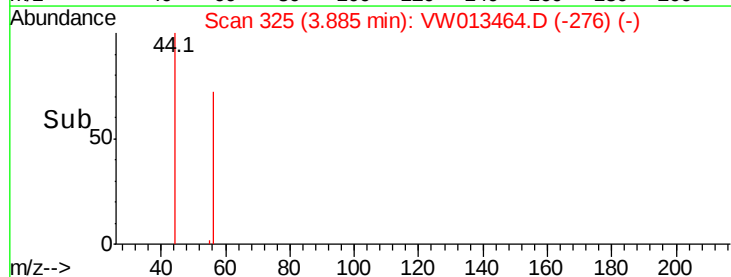
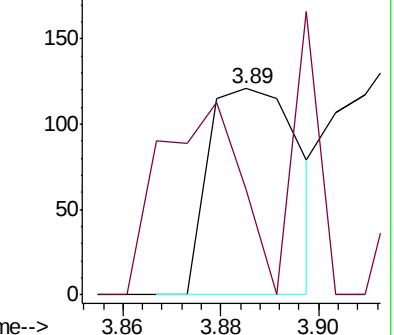
56 100

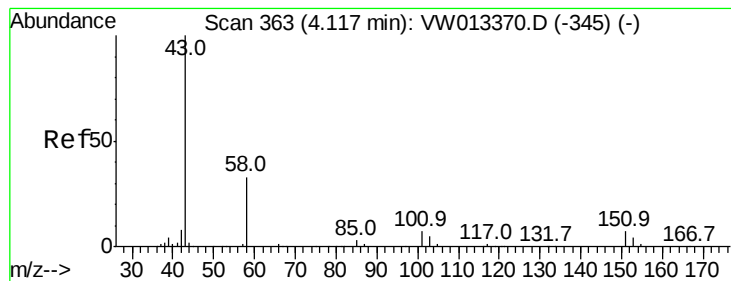
55 82.8 55.4 83.0



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW





#16

Acetone

Concen: 8.175 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW013464.D

Acq: 07 Oct 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

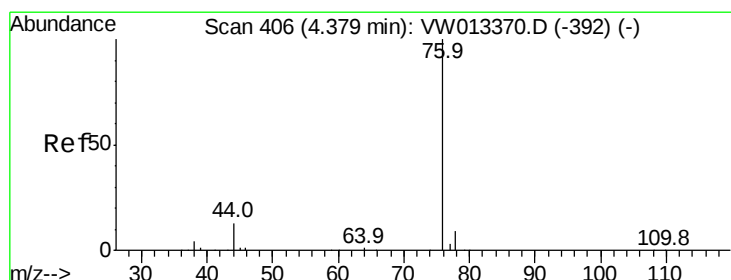
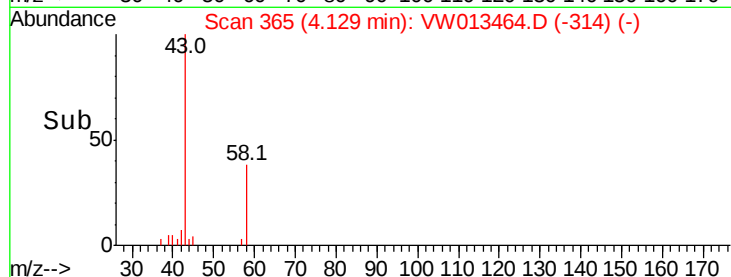
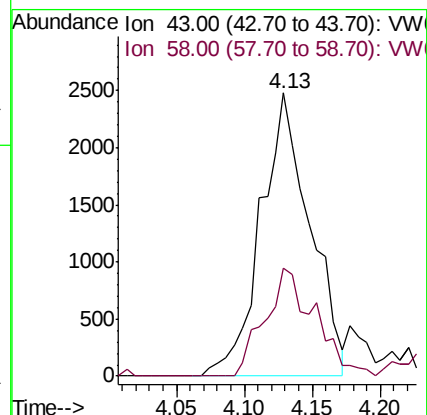
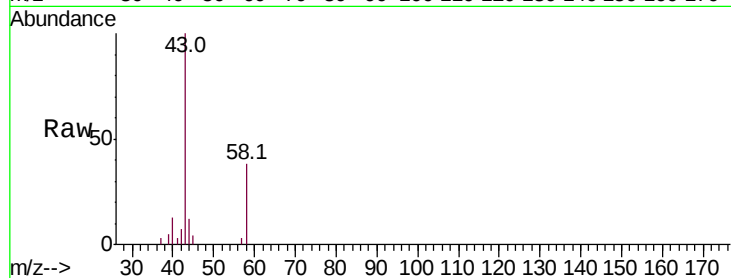
20190761-SS-COMPOSITE-1

Tot Ion: 43 Resp: 6252

Ion Ratio Lower Upper

43 100

58 38.3 24.1 36.1#



#17

Carbon Disulfide

Concen: 2.490 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW013464.D

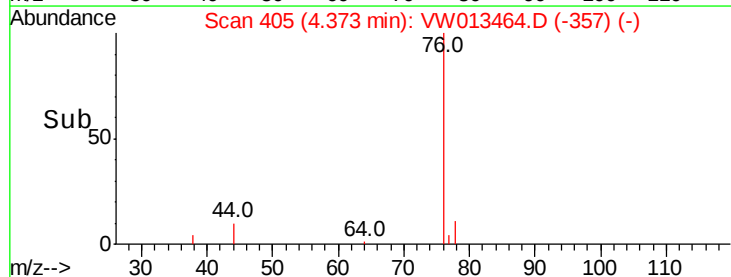
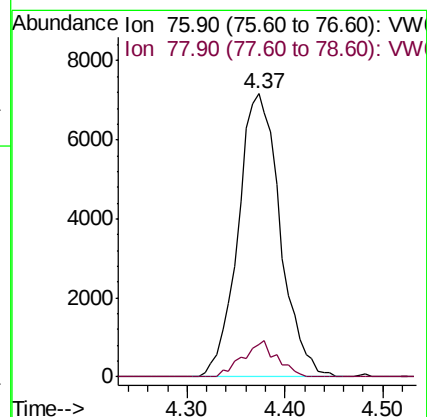
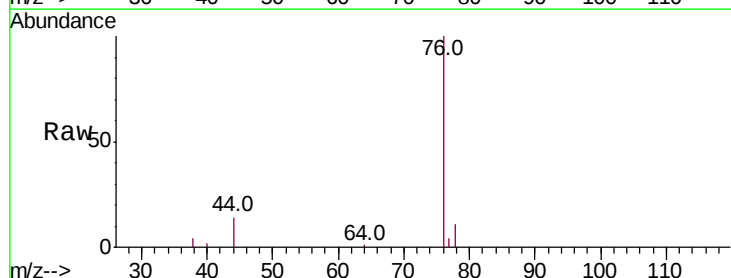
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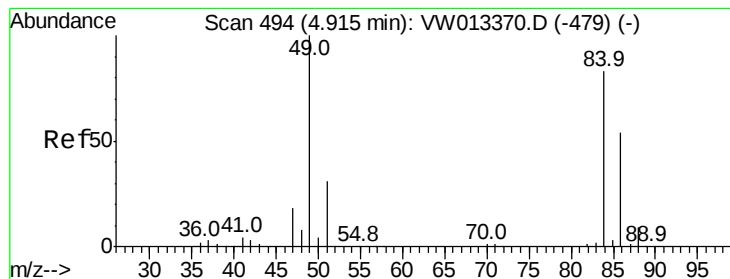
Tgt Ion: 76 Resp: 21365

Ion Ratio Lower Upper

76 100

78 11.4 7.0 10.4#





#20

Methvlene Chloride

Concen: 1.611 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW013464.D

Acq: 07 Oct 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

20190761-SS-COMPOSITE-1

Tot Ion: 84 Resp: 10674

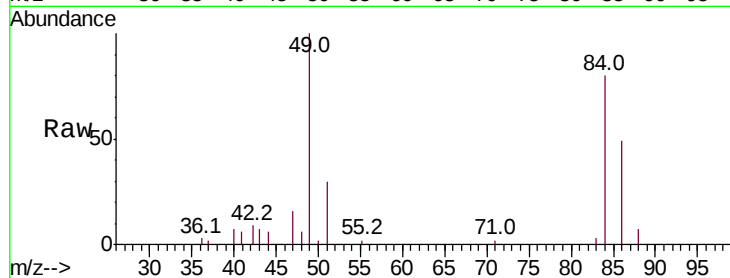
Ion Ratio Lower Upper

84 100

49 124.2 97.6 146.4

51 37.4 30.2 45.2

86 60.8 50.6 76.0

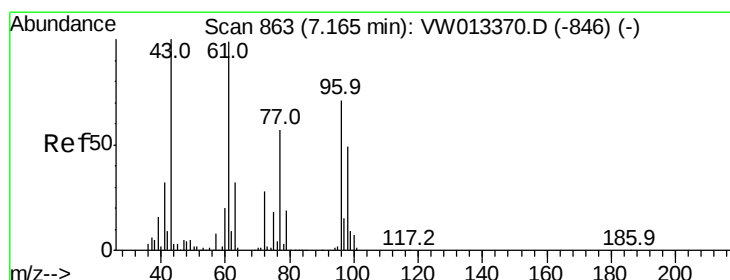
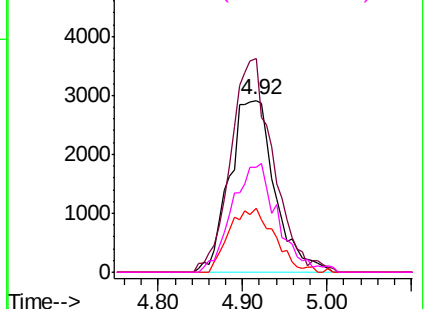
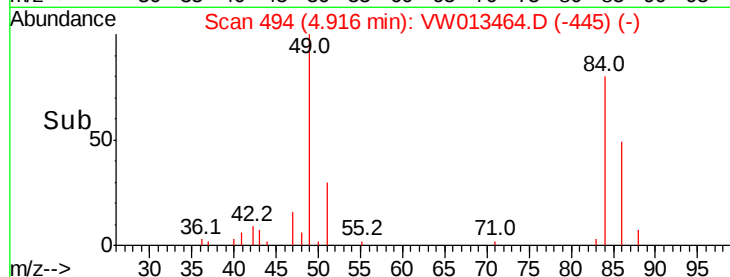


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 1.067 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW013464.D

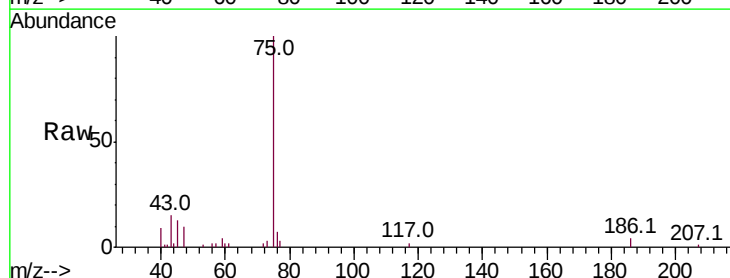
Acq: 07 Oct 2019 15:36

Tgt Ion: 43 Resp: 1044

Ion Ratio Lower Upper

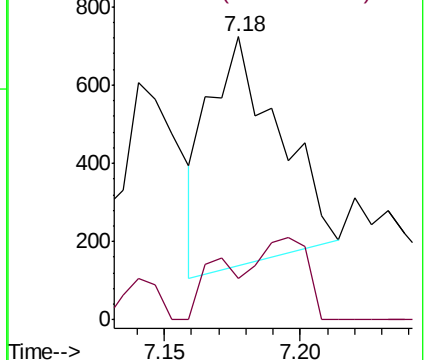
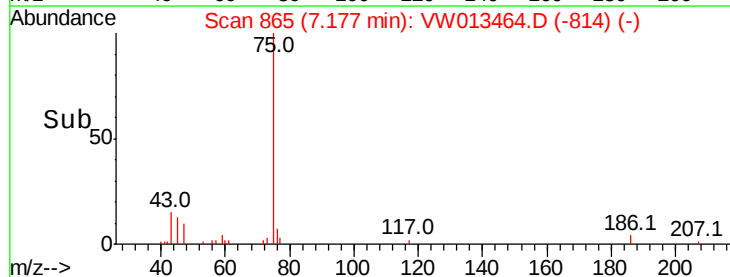
43 100

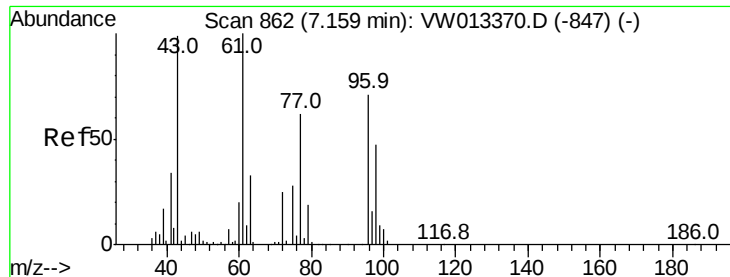
72 20.2 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

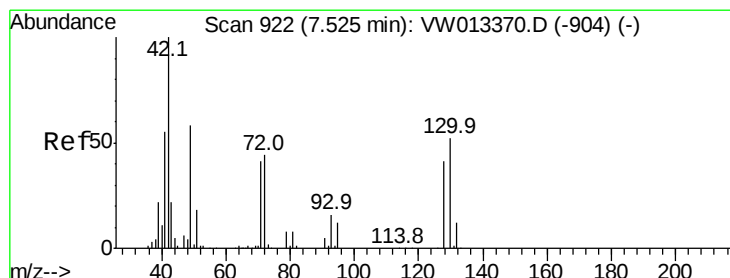
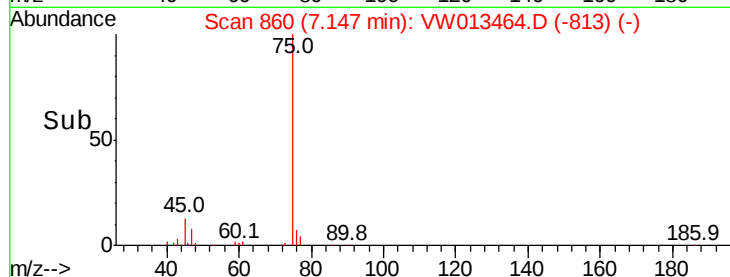
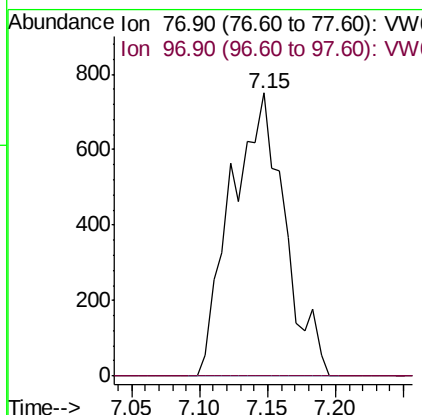
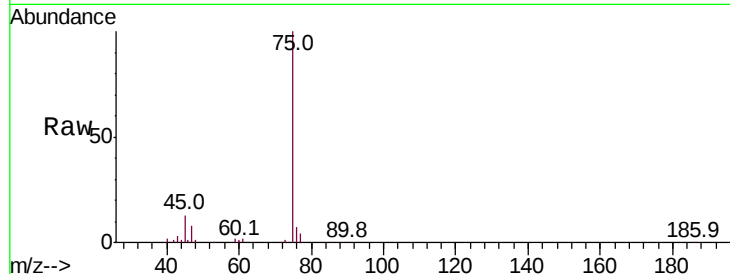




#26
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.15 min Scan# 860
 Delta R.T. -0.01 min
 Lab File: VW013464.D
 Acq: 07 Oct 2019 15:36

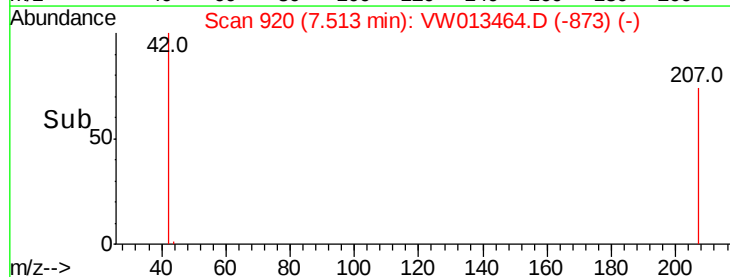
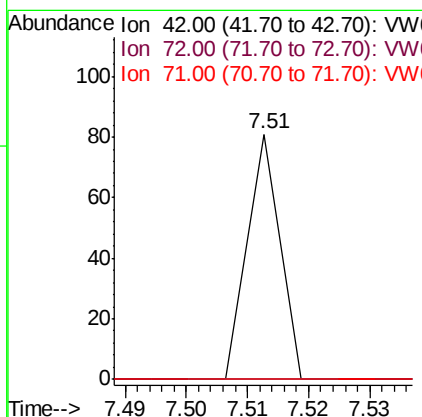
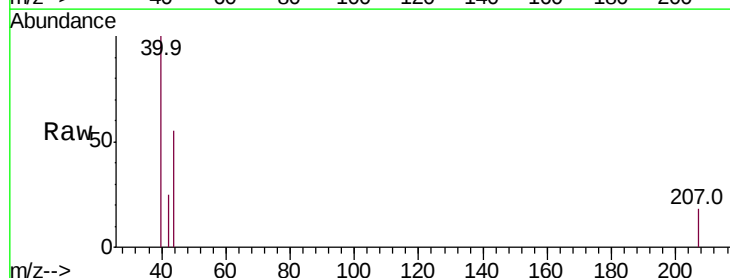
Instrument :
 MSVOA_W
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 20190761-SS-COMPOSITE-1

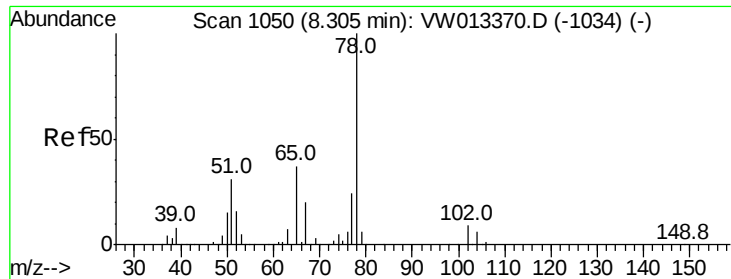
Tot Ion: 77 Resp: 2051
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.8 35.4#



#29
 Tetrahydrofuran
 Concen: 9.744 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW013464.D
 Acq: 07 Oct 2019 15:36

Tgt Ion: 42 Resp: 30
 Ion Ratio Lower Upper
 42 100
 72 0.0 33.9 50.9#
 71 0.0 31.9 47.9#

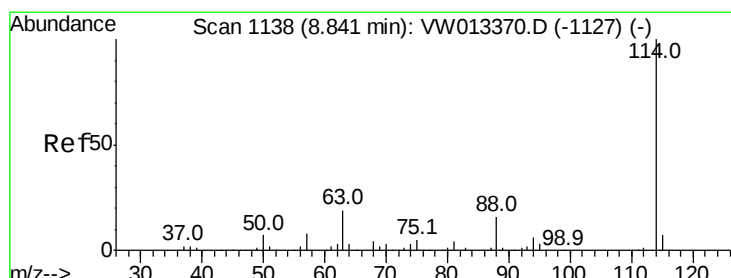
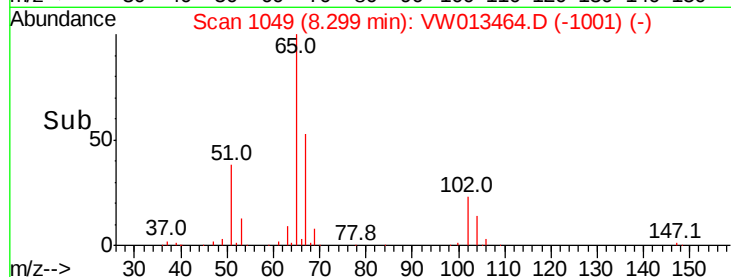
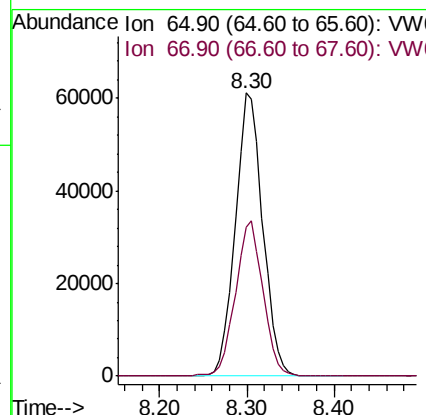
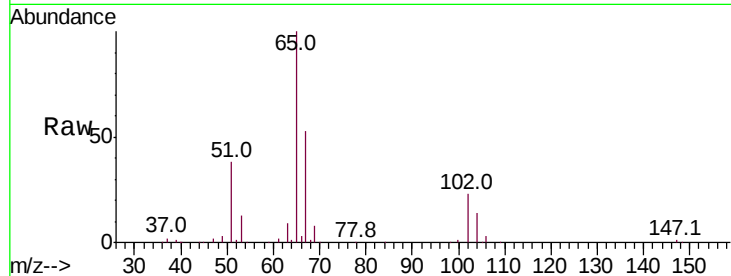




#33
 1,2-Dichloroethane-d4
 Concen: 53.488 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013464.D
 Acq: 07 Oct 2019 15:36

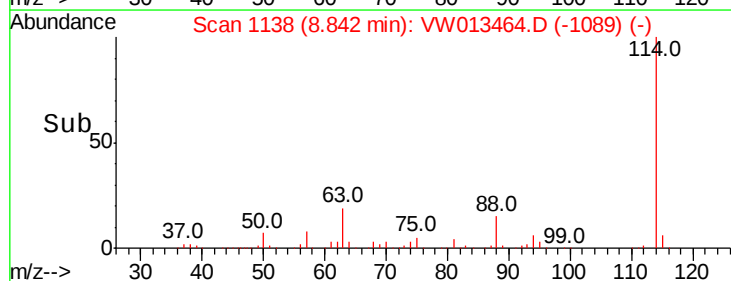
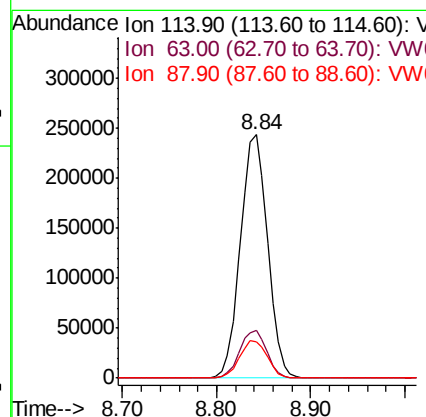
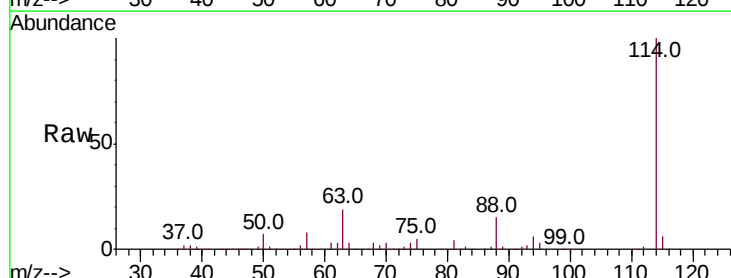
Instrument :
 MSVOA_W
 ClientSampleId :
 20190761-SS-COMPOSITE-1

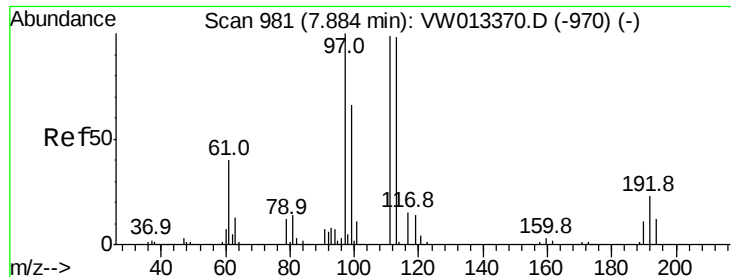
Tot Ion: 65 Resp: 133460
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013464.D
 Acq: 07 Oct 2019 15:36

Tgt Ion: 114 Resp: 490874
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 41.4
 88 14.7 0.0 32.0





#35

Dibromofluoromethane

Concen: 52.880 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW013464.D

Acq: 07 Oct 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

20190761-SS-COMPOSITE-1

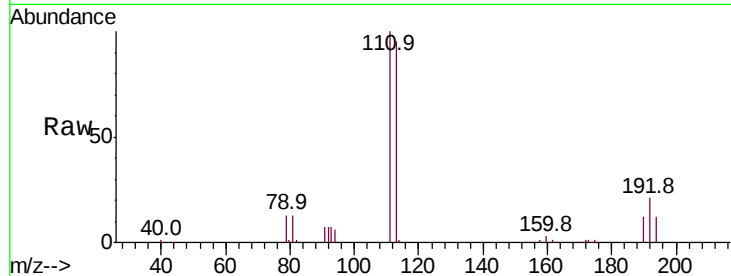
Tot Ion:113 Resp: 136204

Ion Ratio Lower Upper

113 100

111 105.0 81.9 122.9

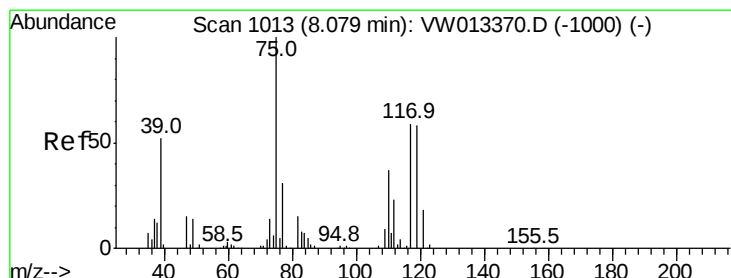
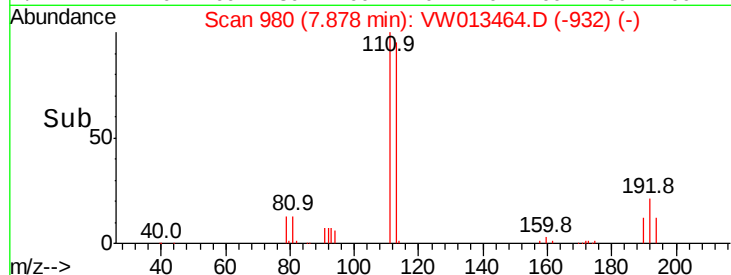
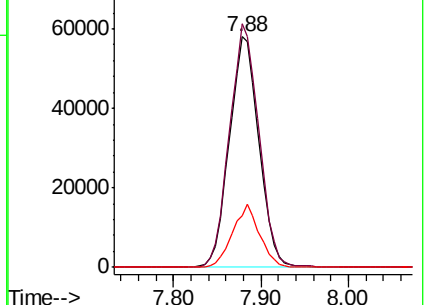
192 25.1 19.1 28.7



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: 4.553 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW013464.D

Acq: 07 Oct 2019 15:36

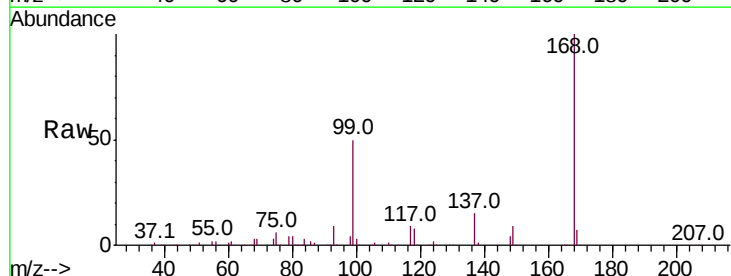
Tgt Ion: 75 Resp: 20759

Ion Ratio Lower Upper

75 100

110 9.2 18.1 54.3#

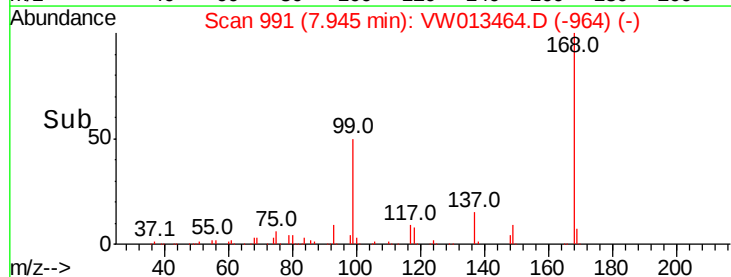
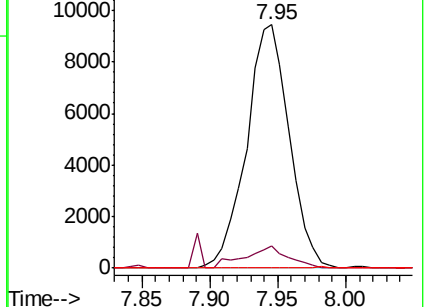
77 0.0 25.8 38.6#

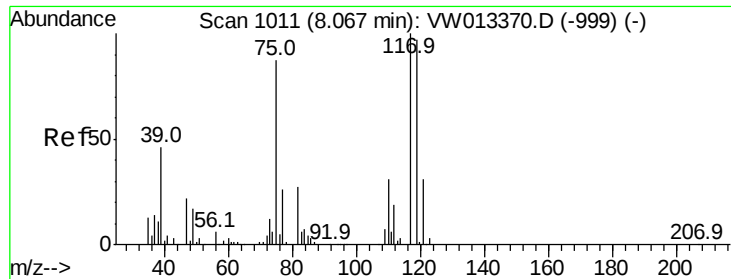


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

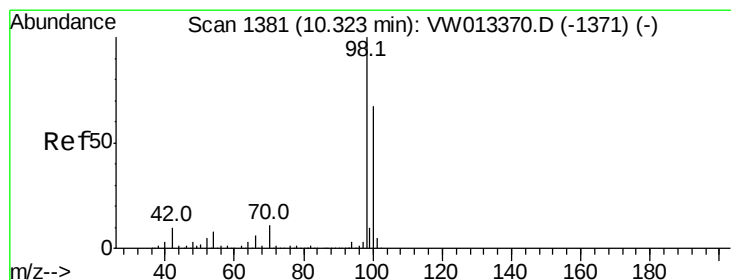
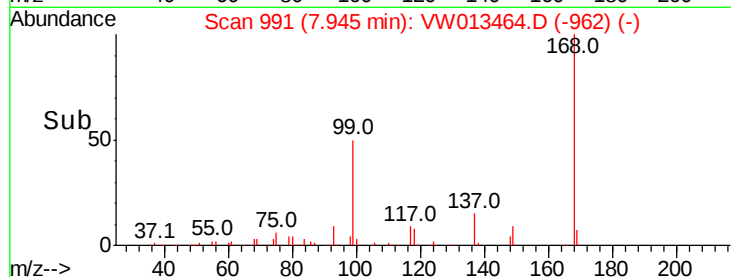
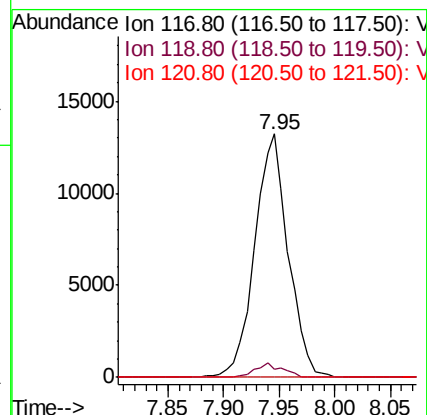
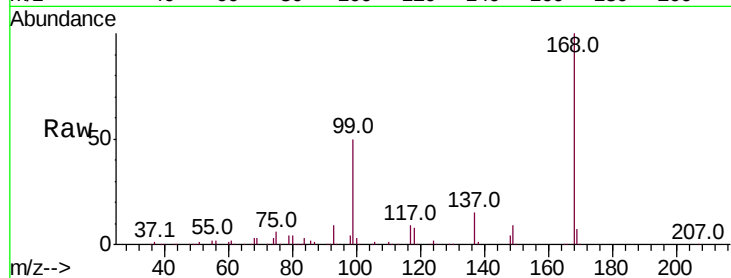




#38
Carbon Tetrachloride
Concen: 6.999 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013464.D
Acq: 07 Oct 2019 15:36

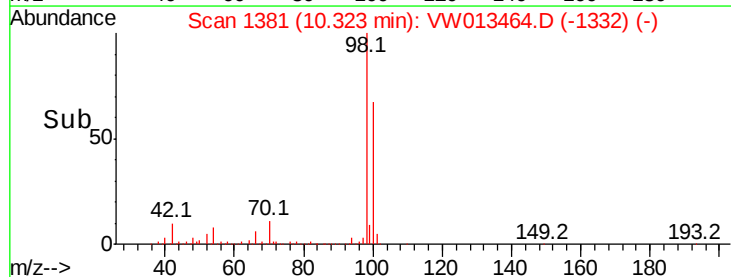
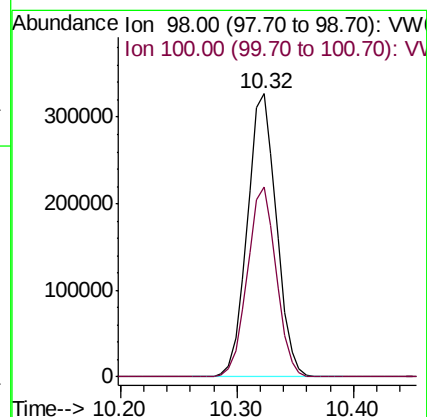
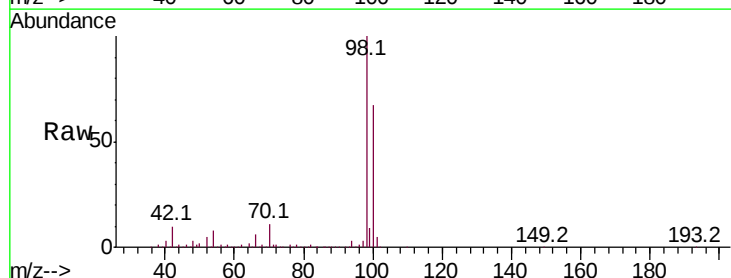
Instrument :
MSVOA_W
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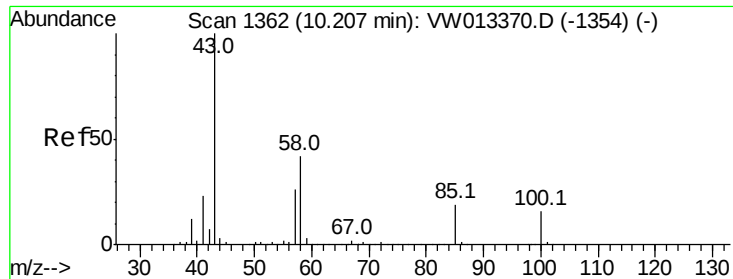
Tot Ion:117 Resp: 27643
Ion Ratio Lower Upper
117 100
119 3.5 73.5 110.3#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 53.437 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013464.D
Acq: 07 Oct 2019 15:36

Tgt Ion: 98 Resp: 571179
Ion Ratio Lower Upper
98 100
100 66.4 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 1.179 ug/l

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW013464.D

Acq: 07 Oct 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

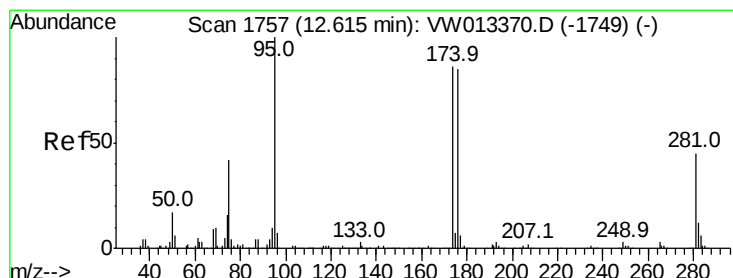
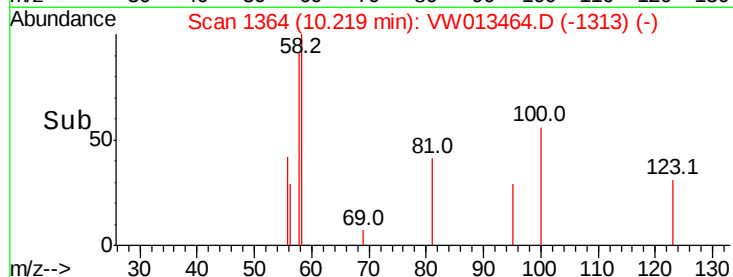
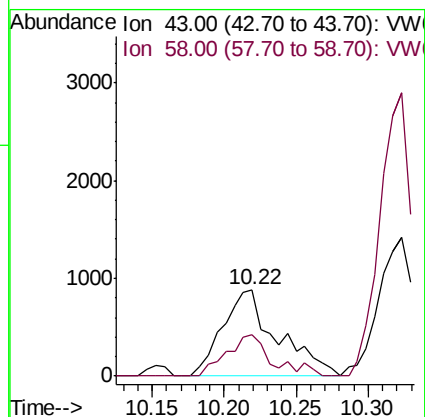
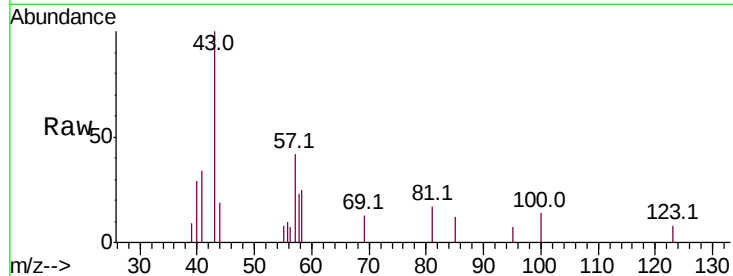
20190761-SS-COMPOSITE-1

Tot Ion: 43 Resp: 2346

Ion Ratio Lower Upper

43 100

58 33.4 31.7 47.5



#62

4-Bromofluorobenzene

Concen: 51.964 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013464.D

Acq: 07 Oct 2019 15:36

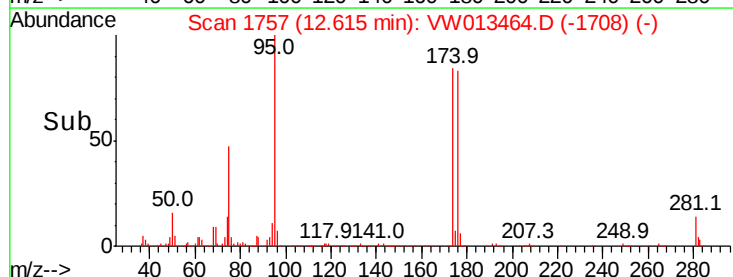
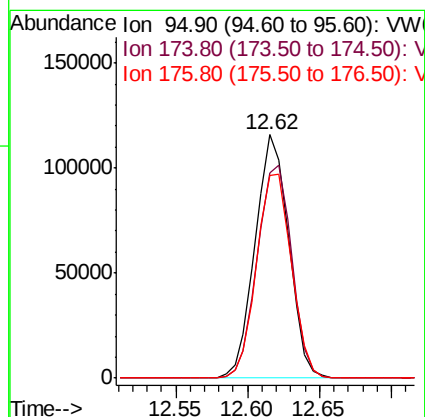
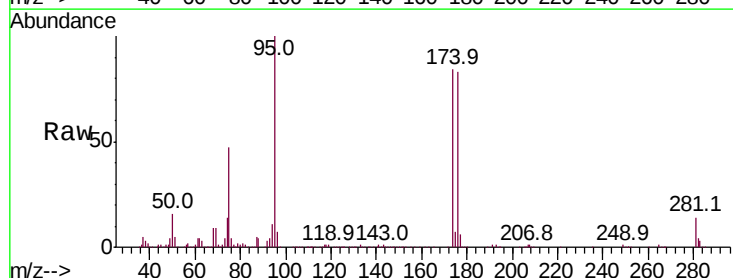
Tgt Ion: 95 Resp: 185480

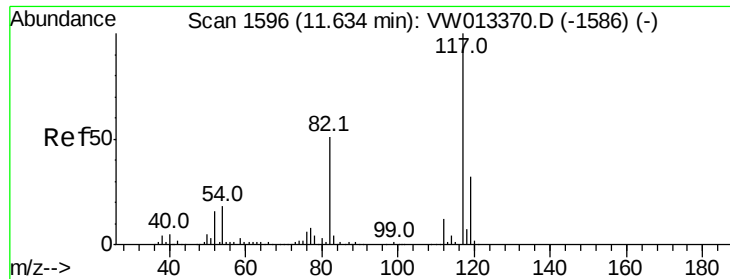
Ion Ratio Lower Upper

95 100

174 90.4 0.0 178.4

176 87.7 0.0 172.2

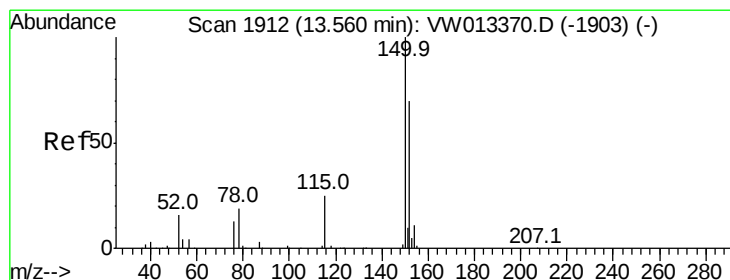
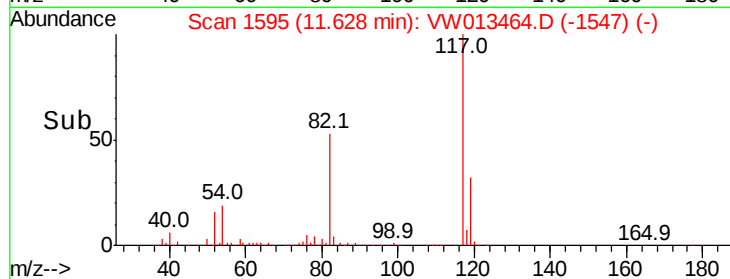
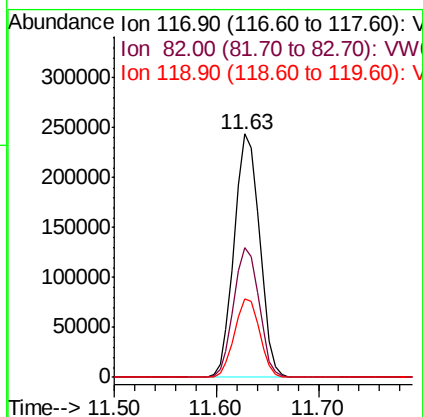
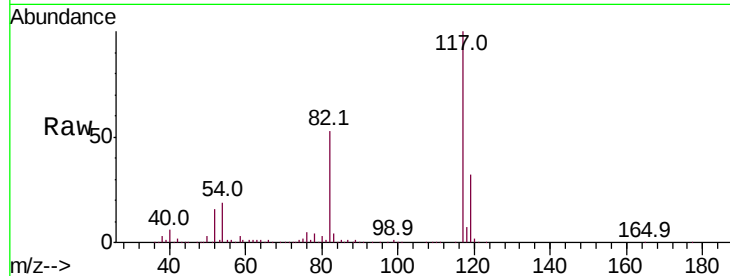




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013464.D
Acq: 07 Oct 2019 15:36

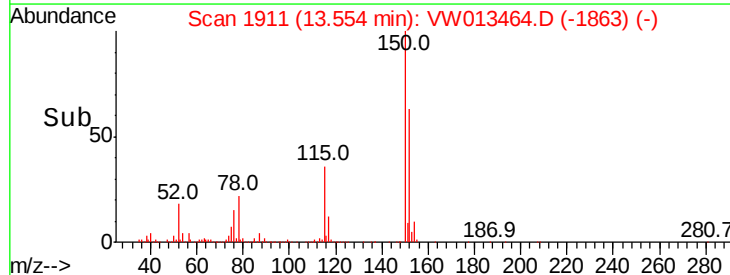
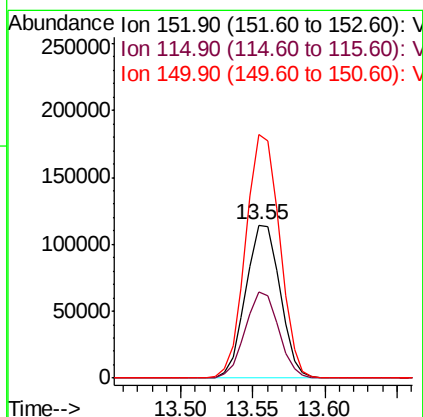
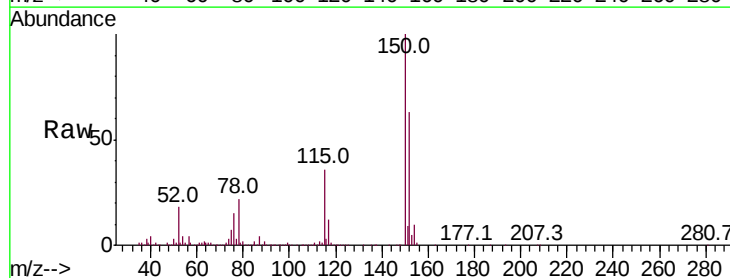
Instrument :
MSVOA_W
ClientSampleId :
20190761-SS-COMPOSITE-1

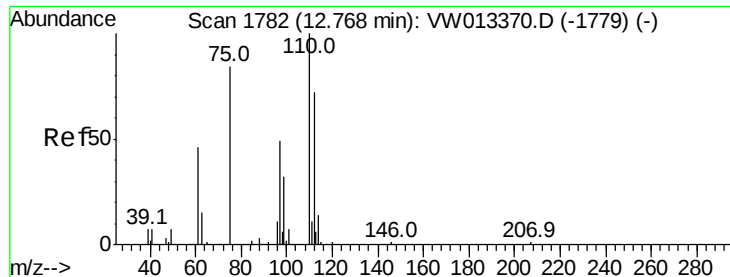
Tot Ion:117 Resp: 420174
Ion Ratio Lower Upper
117 100
82 53.0 45.9 68.9
119 32.2 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013464.D
Acq: 07 Oct 2019 15:36

Tgt Ion:152 Resp: 188827
Ion Ratio Lower Upper
152 100
115 55.2 27.3 81.9
150 157.5 0.0 349.0

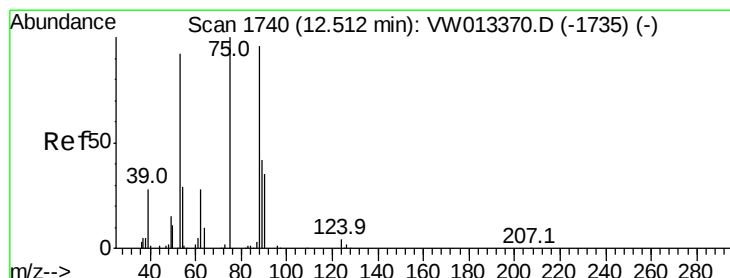
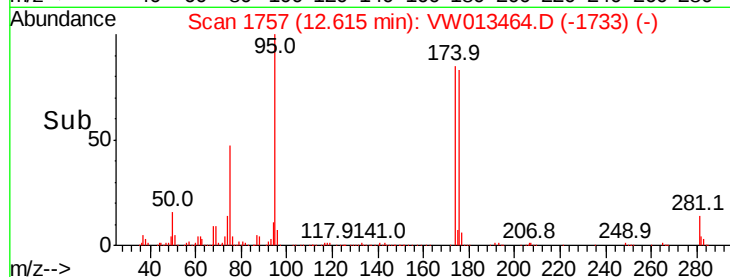
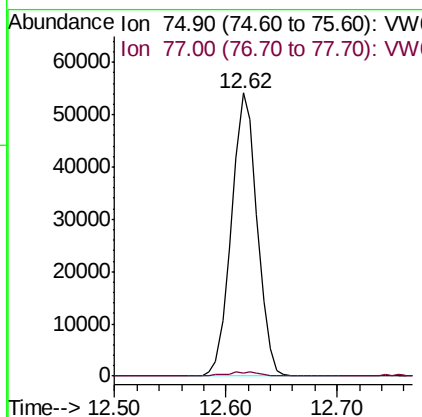
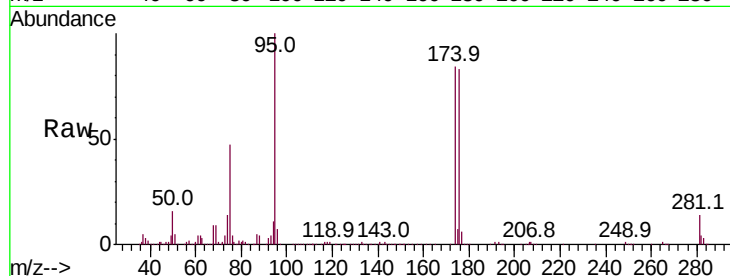




#76
 1,2,3-Trichloropropane
 Concen: 51.359 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW013464.D
 Acq: 07 Oct 2019 15:36

Instrument :
 MSVOA_W
 ClientSampleId :
 20190761-SS-COMPOSITE-1

Tot Ion: 75 Resp: 86193
 Ion Ratio Lower Upper
 75 100
 77 1.9 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 104.241 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW013464.D
 Acq: 07 Oct 2019 15:36

Tgt Ion: 75 Resp: 86193
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.6 114.8#
 89 0.0 33.5 50.3#

