

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100719\
 Data File : VW013467.D
 Acq On : 07 Oct 2019 16:54
 Operator : SY/VA
 Sample : K5231-05
 Misc : 4.99G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 20190768-SS-COMPOSITE-8

Quant Time: Oct 07 17:55:08 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	327432	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	482313	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	410375	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	188211	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	132208	54.08	ug/l	0.00
Spiked Amount			Recovery	=	108.16%	
35) Dibromofluoromethane	7.88	113	134802	53.26	ug/l	0.00
Spiked Amount			Recovery	=	106.52%	
50) Toluene-d8	10.32	98	557797	53.11	ug/l	0.00
Spiked Amount			Recovery	=	106.22%	
62) 4-Bromofluorobenzene	12.62	95	181199	51.67	ug/l	0.00
Spiked Amount			Recovery	=	103.34%	

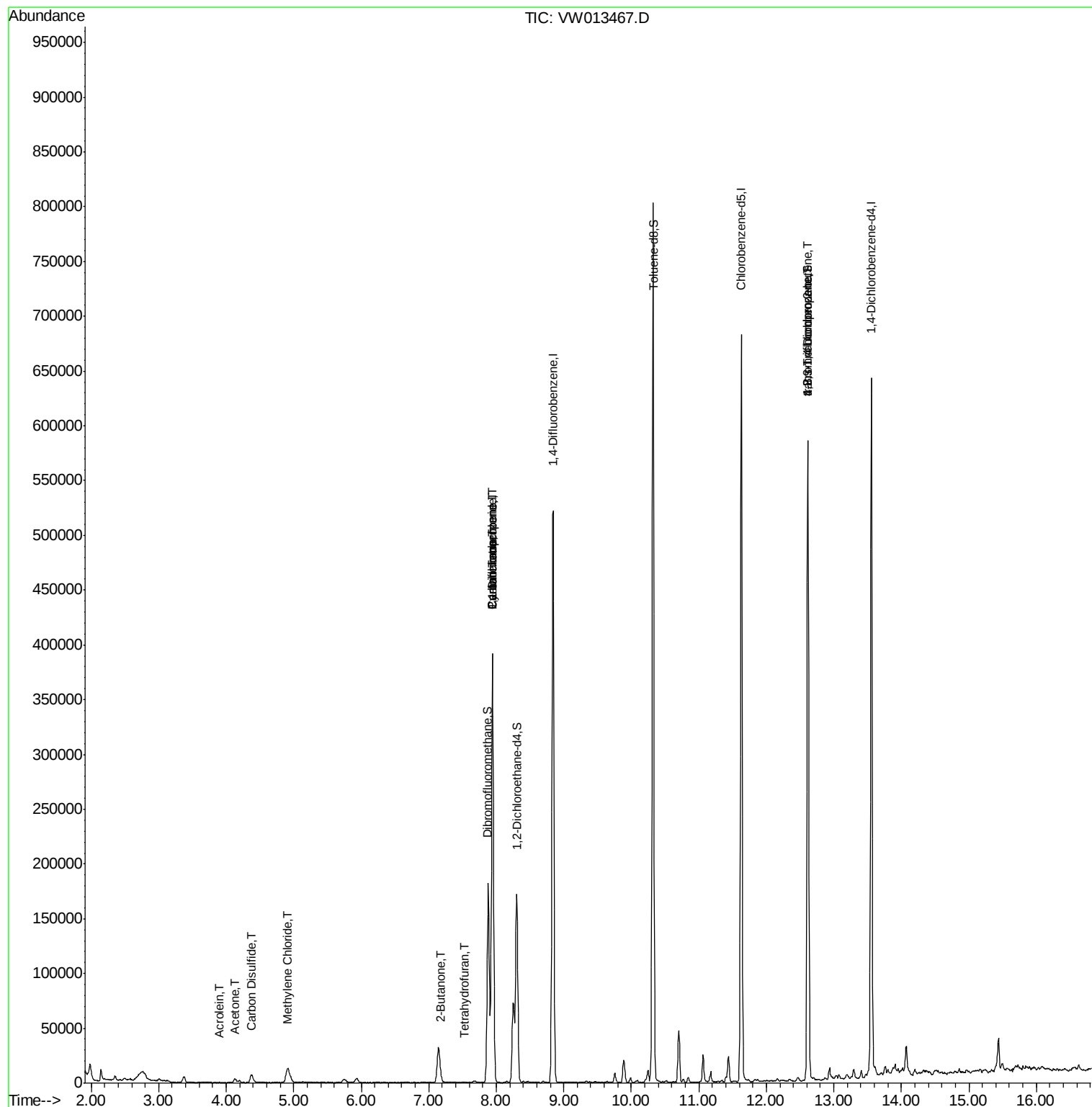
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.15	59	81	Below Cal	#	73
13) Acrolein	3.89	56	81	10.891	ug/l	99
16) Acetone	4.14	43	6914	9.226	ug/l #	85
17) Carbon Disulfide	4.37	76	17194	2.045	ug/l #	94
20) Methylene Chloride	4.92	84	11358	1.909	ug/l #	92
25) 2-Butanone	7.18	43	2387	2.489	ug/l #	89
26) 2,2-Dichloropropane	7.14	77	2721	Below Cal	#	52
29) Tetrahydrofuran	7.52	42	99	9.864	ug/l #	34
31) Cyclohexane	7.95	56	5687	1.017	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	20169	4.502	ug/l #	48
38) Carbon Tetrachloride	7.95	117	27778	7.158	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	82734	49.460	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	82734	100.541	ug/l #	12

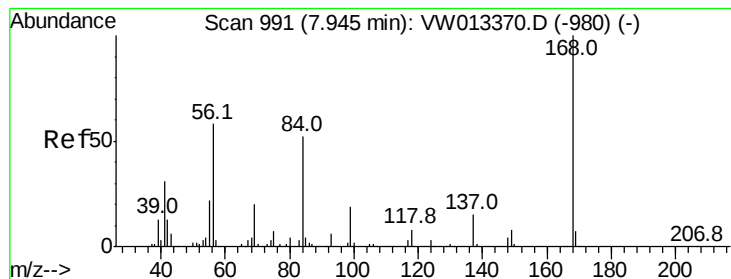
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013467.D

Acq: 07 Oct 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

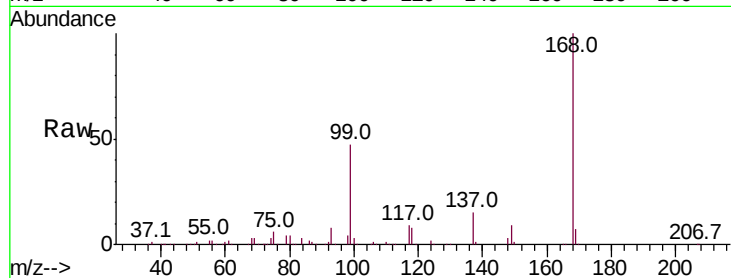
20190768-SS-COMPOSITE-8

Tot Ion:168 Resp: 327432

Ion Ratio Lower Upper

168 100

99 47.3 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

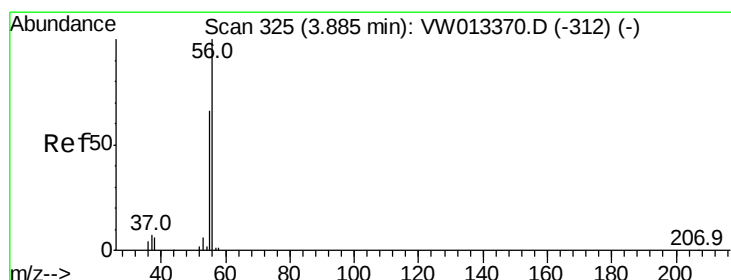
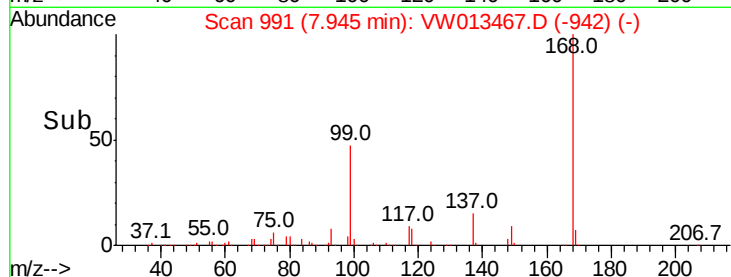
100000

50000

0

7.90 8.00

Time-->



#13

Acrolein

Concen: 10.891 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW013467.D

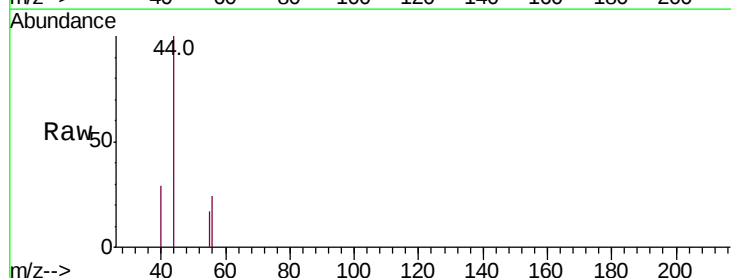
Acq: 07 Oct 2019 16:54

Tgt Ion: 56 Resp: 81

Ion Ratio Lower Upper

56 100

55 70.4 55.4 83.0



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.89

120

100

80

60

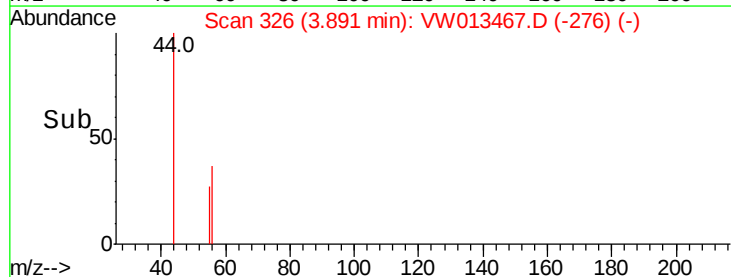
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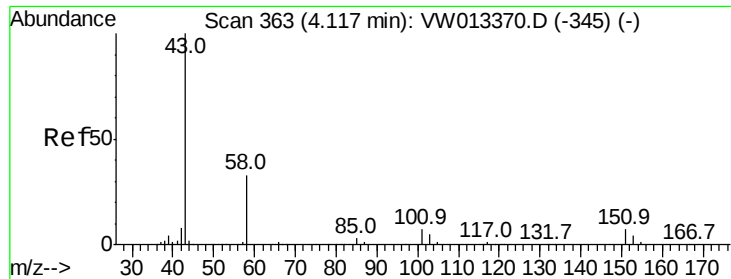
20

0

3.87 3.88 3.89 3.90

Time-->





#16

Acetone

Concen: 9.226 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW013467.D

Acq: 07 Oct 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

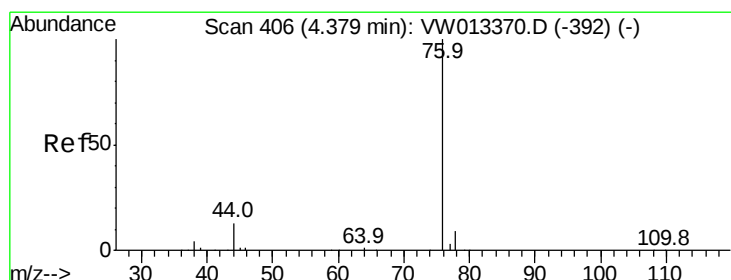
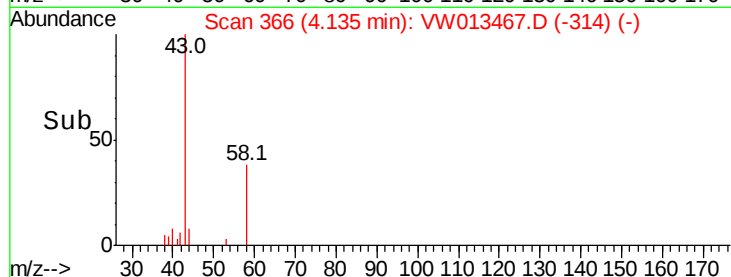
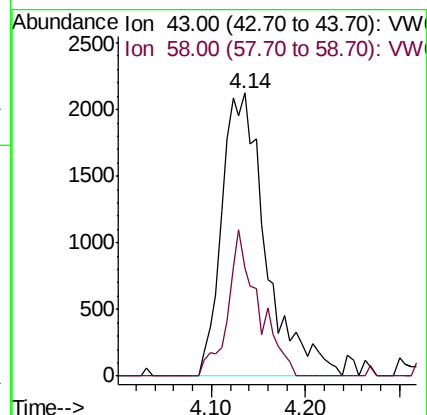
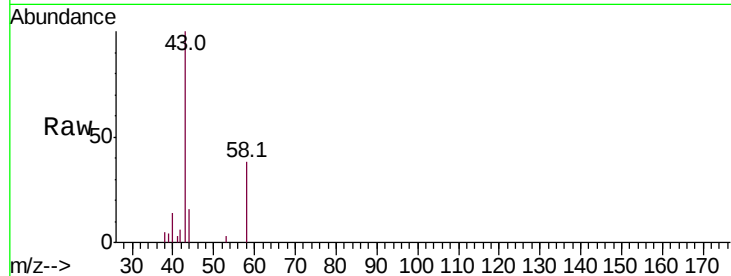
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Tot Ion: 43 Resp: 6914

Ion Ratio Lower Upper

43 100

58 38.3 24.1 36.1#



#17

Carbon Disulfide

Concen: 2.045 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW013467.D

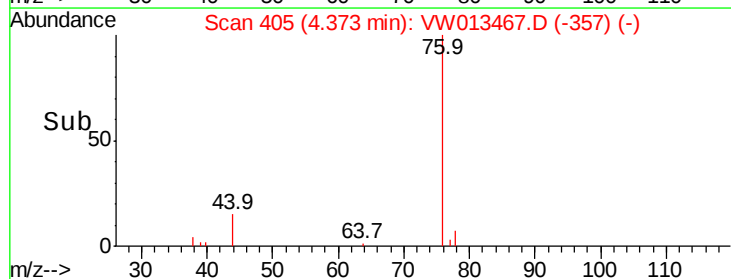
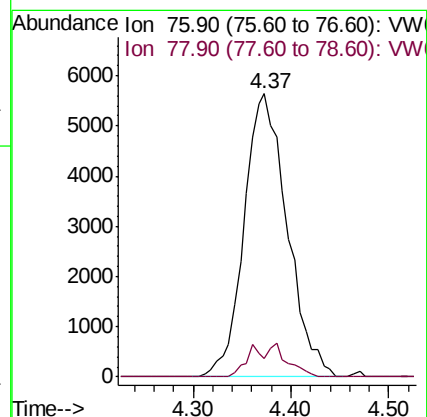
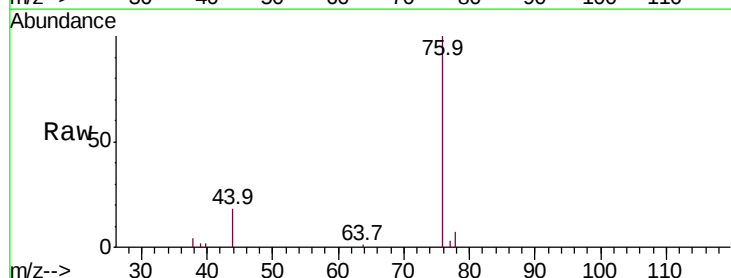
Acq: 07 Oct 2019 16:54

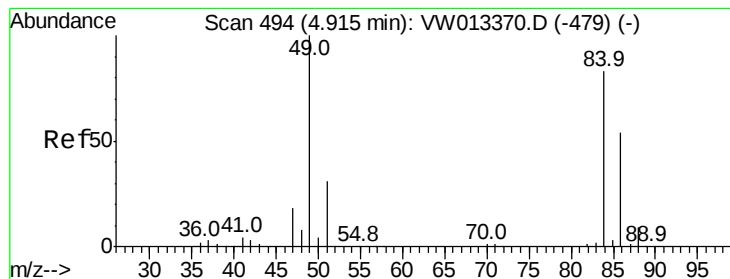
Tgt Ion: 76 Resp: 17194

Ion Ratio Lower Upper

76 100

78 6.7 7.0 10.4#





#20

Methvlene Chloride

Concen: 1.909 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW013467.D

Acq: 07 Oct 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

20190768-SS-COMPOSITE-8

Tot Ion: 84 Resp: 11358

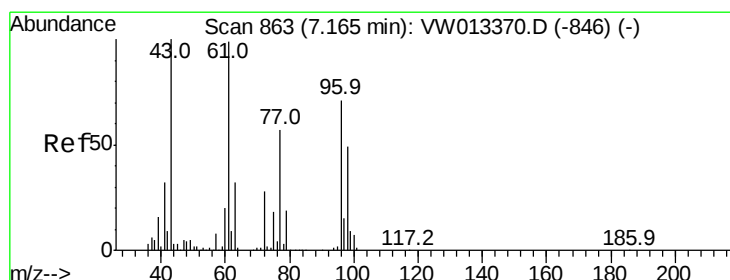
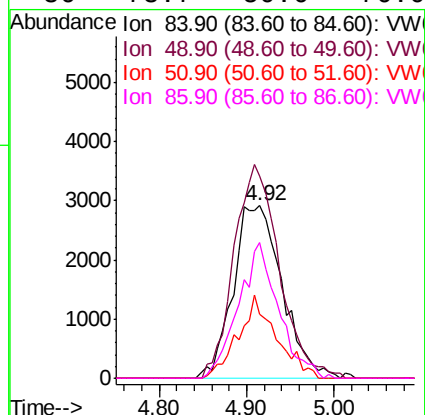
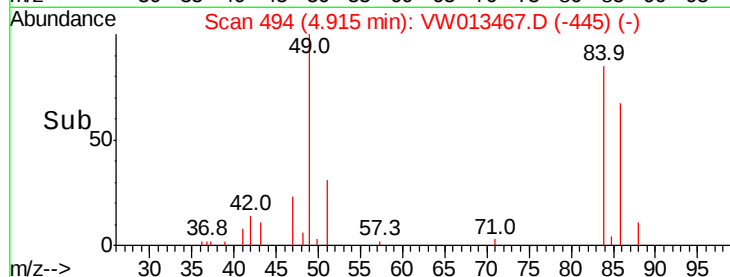
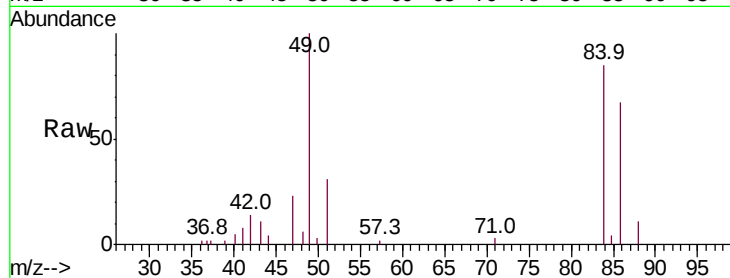
Ion Ratio Lower Upper

84 100

49 117.7 97.6 146.4

51 37.0 30.2 45.2

86 78.7 50.6 76.0#



#25

2-Butanone

Concen: 2.489 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW013467.D

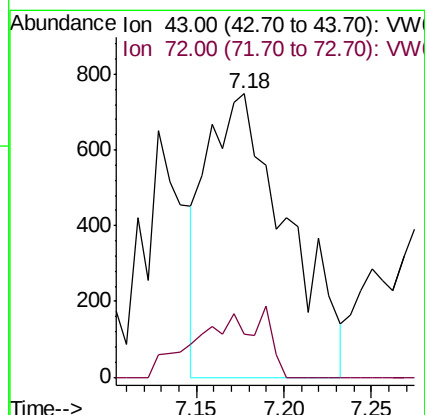
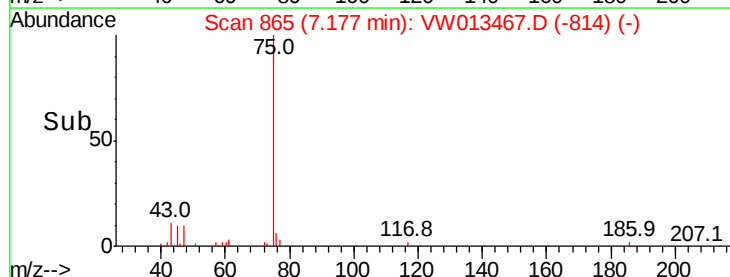
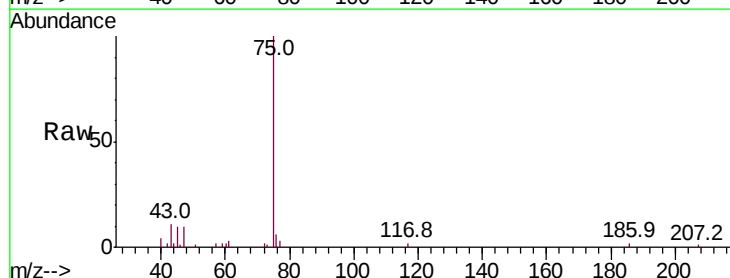
Acq: 07 Oct 2019 16:54

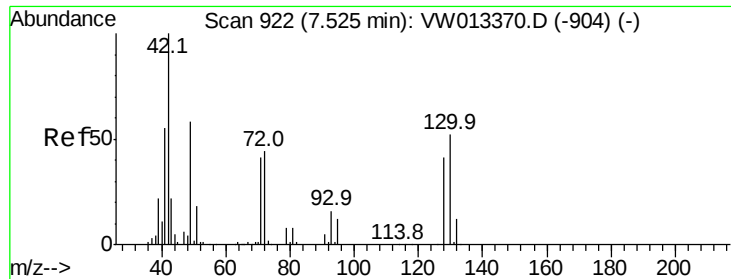
Tgt Ion: 43 Resp: 2387

Ion Ratio Lower Upper

43 100

72 18.9 19.4 29.0#

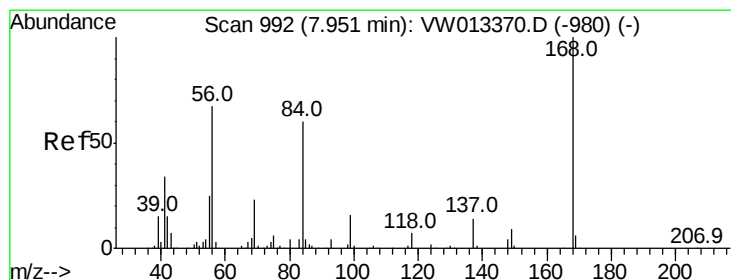
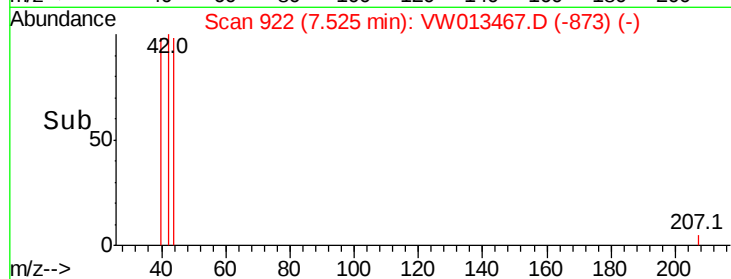
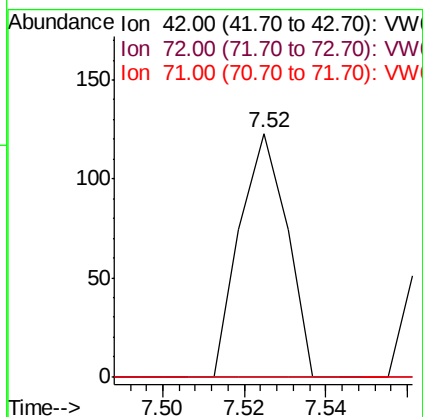
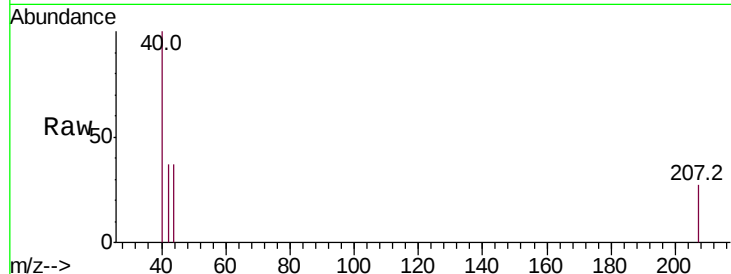




#29
Tetrahydrofuran
Concen: 9.864 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW013467.D
Acq: 07 Oct 2019 16:54

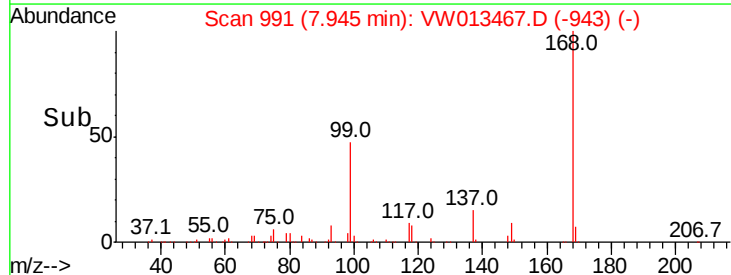
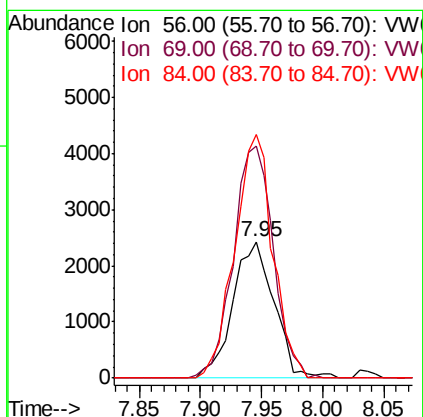
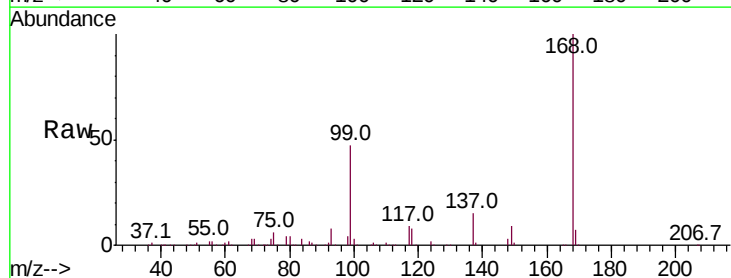
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20190768-SS-COMPOSITE-8

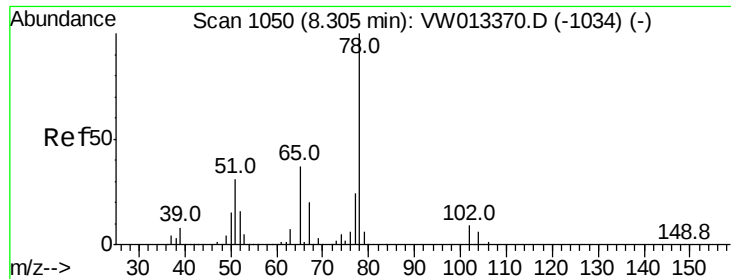
Tot Ion: 42 Resp: 99
Ion Ratio Lower Upper
42 100
72 0.0 33.9 50.9#
71 0.0 31.9 47.9#



#31
Cyclohexane
Concen: 1.017 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW013467.D
Acq: 07 Oct 2019 16:54

Tgt Ion: 56 Resp: 5687
Ion Ratio Lower Upper
56 100
69 169.5 27.2 40.8#
84 178.1 70.8 106.2#

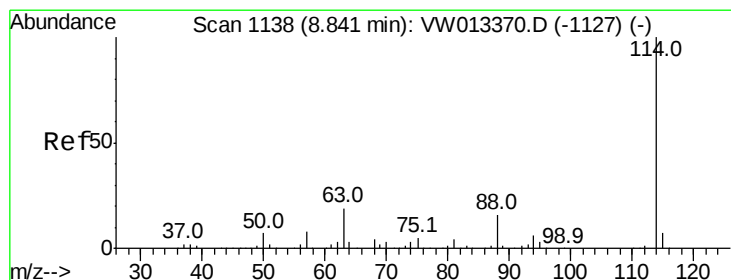
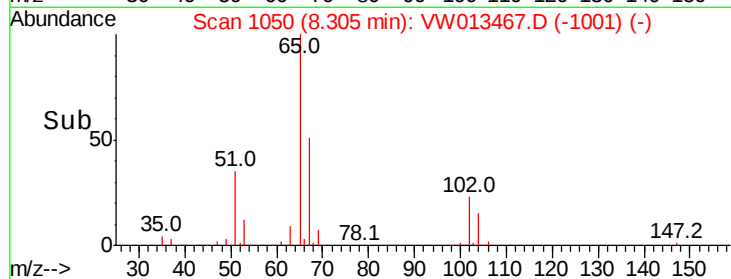
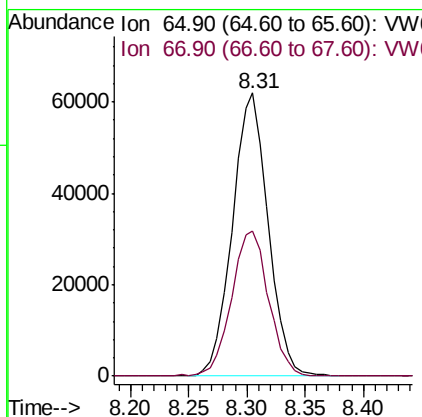
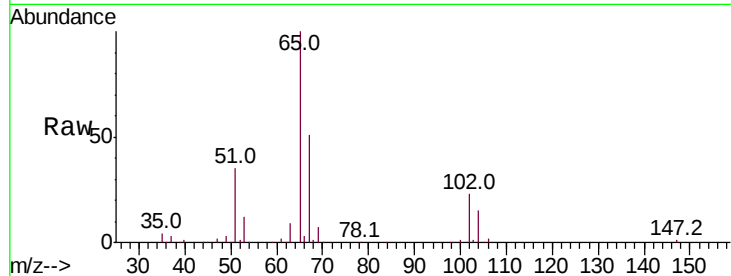




#33
 1,2-Dichloroethane-d4
 Concen: 54.076 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013467.D
 Acq: 07 Oct 2019 16:54

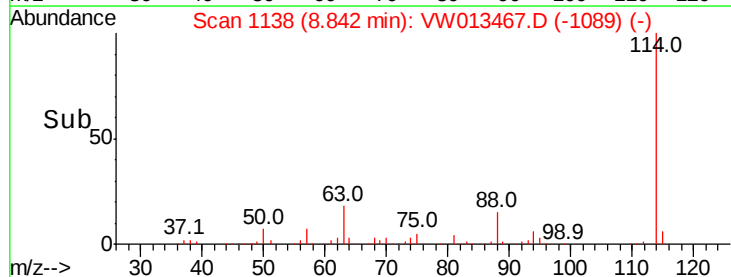
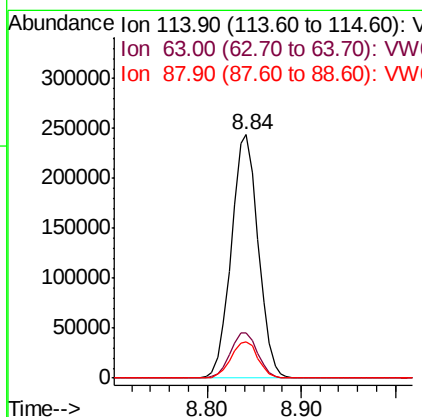
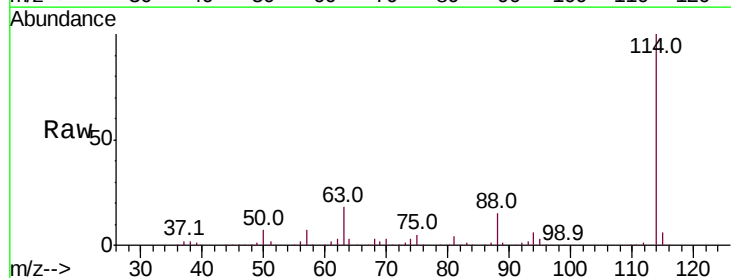
Instrument :
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 ClientSampleId :
 20190768-SS-COMPOSITE-8

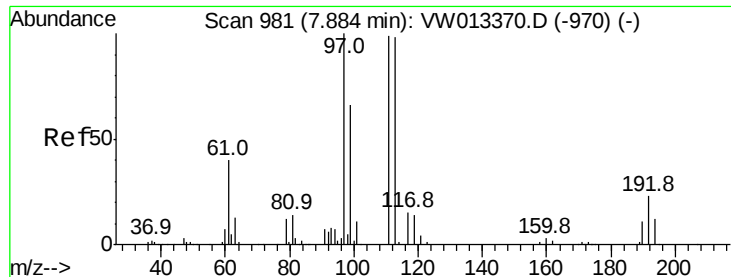
Tot Ion: 65 Resp: 132208
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013467.D
 Acq: 07 Oct 2019 16:54

Tgt Ion: 114 Resp: 482313
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 41.4
 88 14.9 0.0 32.0





#35

Dibromofluoromethane

Concen: 53.264 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW013467.D

Acq: 07 Oct 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

20190768-SS-COMPOSITE-8

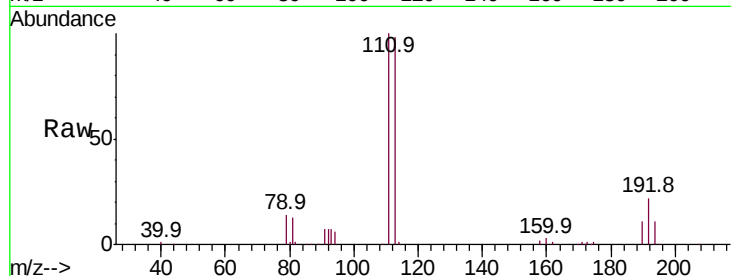
Tot Ion:113 Resp: 134802

Ion Ratio Lower Upper

113 100

111 102.3 81.9 122.9

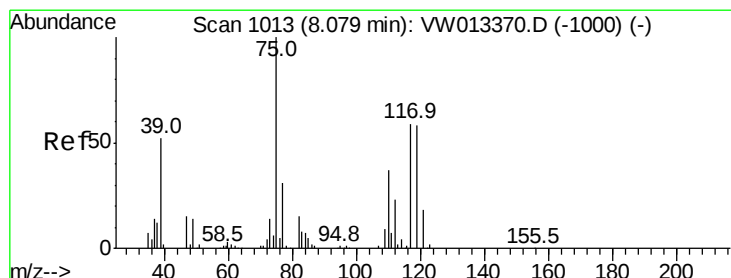
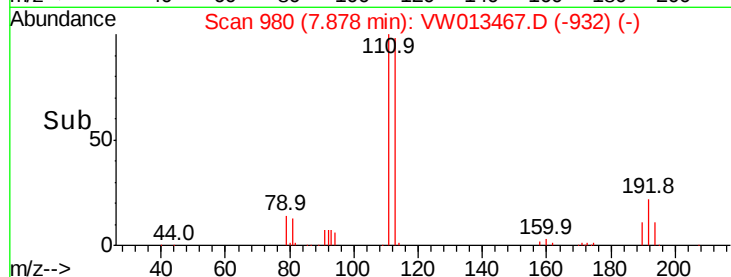
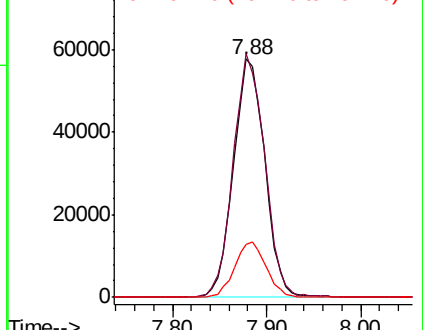
192 23.0 19.1 28.7



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: 4.502 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013467.D

Acq: 07 Oct 2019 16:54

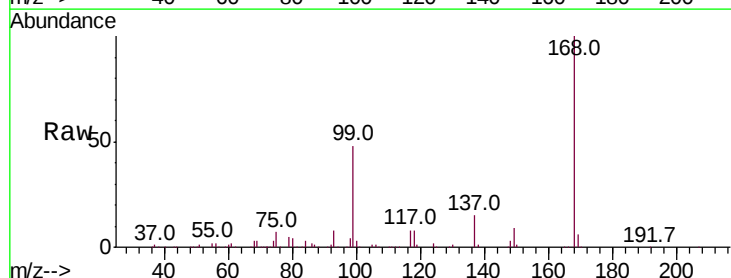
Tgt Ion: 75 Resp: 20169

Ion Ratio Lower Upper

75 100

110 8.6 18.1 54.3#

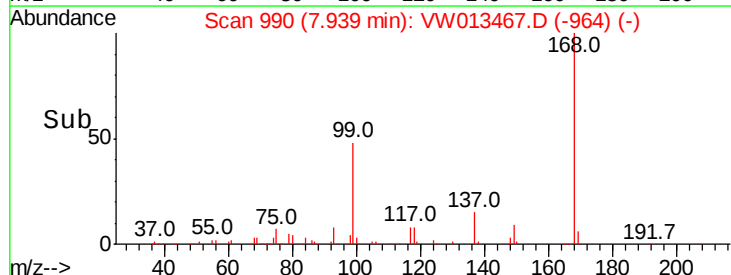
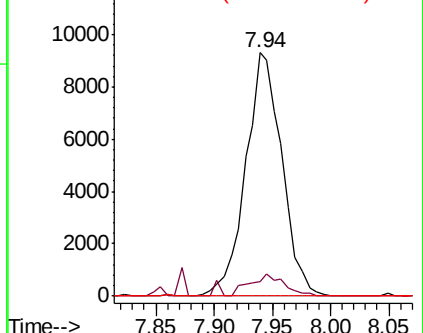
77 0.0 25.8 38.6#

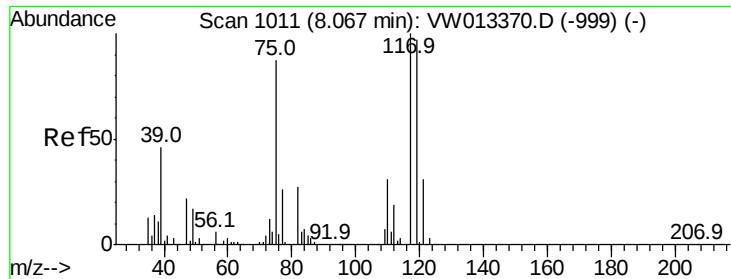


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

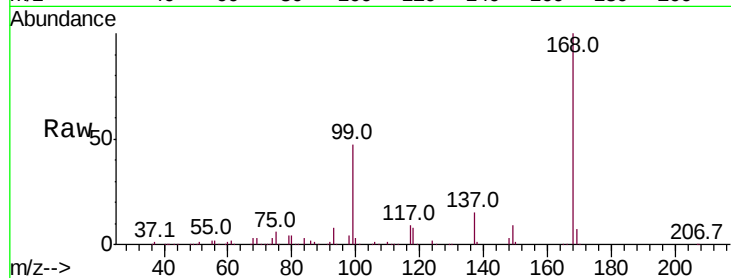




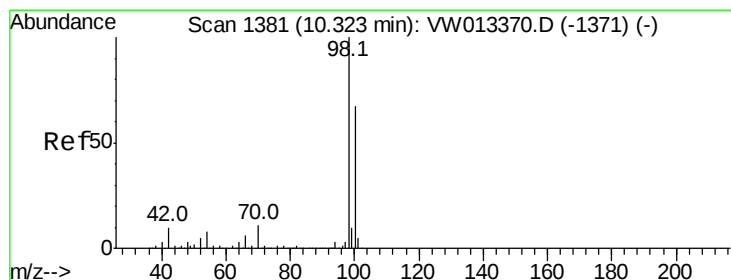
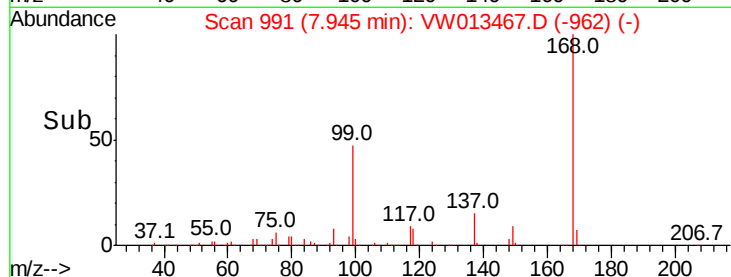
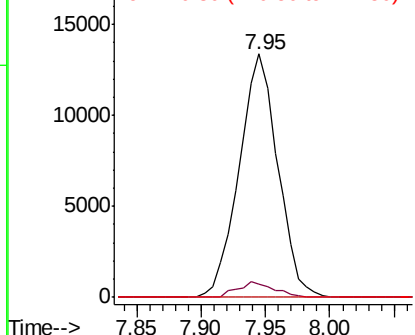
#38
Carbon Tetrachloride
Concen: 7.158 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013467.D
Acq: 07 Oct 2019 16:54

Instrument :
MSVOA_W
ClientSampleId :
20190768-SS-COMPOSITE-8

Tot Ion:117 Resp: 27778
Ion Ratio Lower Upper
117 100
119 5.4 73.5 110.3#
121 0.0 25.0 37.6#

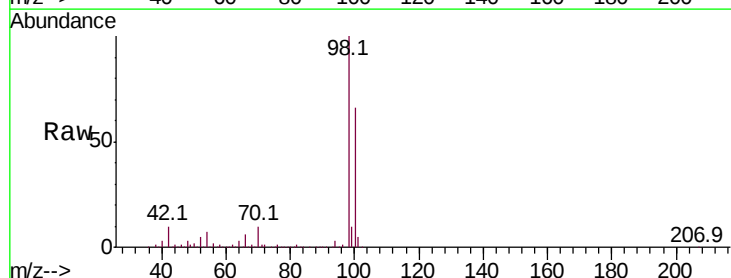


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

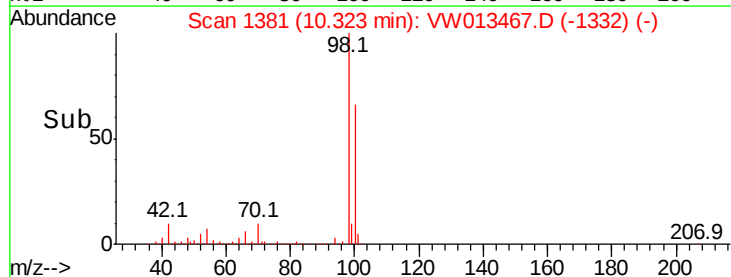
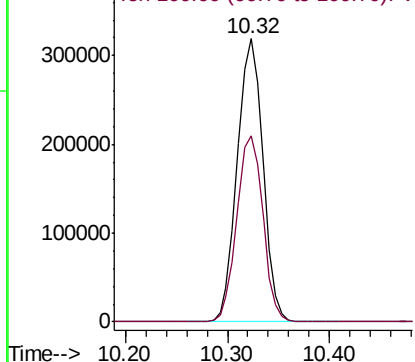


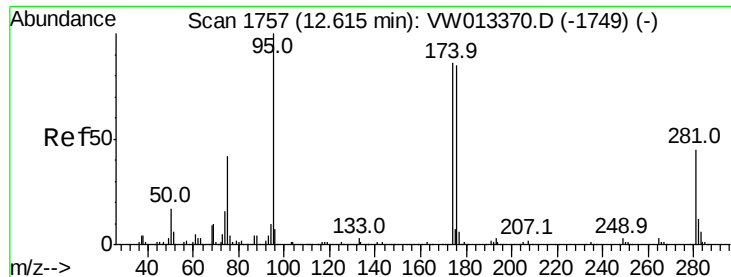
#50
Toluene-d8
Concen: 53.111 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013467.D
Acq: 07 Oct 2019 16:54

Tgt Ion: 98 Resp: 557797
Ion Ratio Lower Upper
98 100
100 66.3 52.9 79.3



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

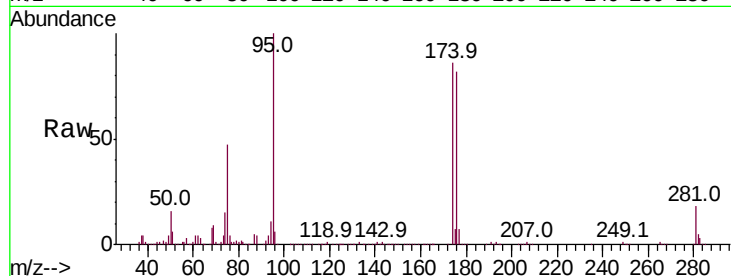




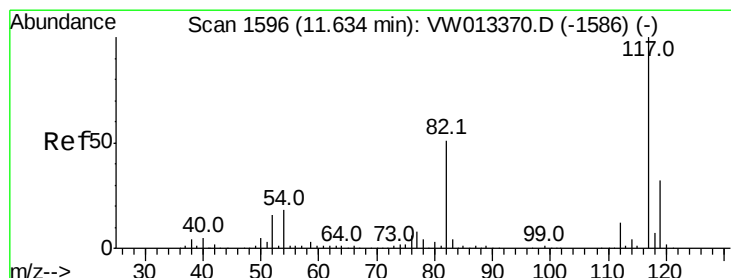
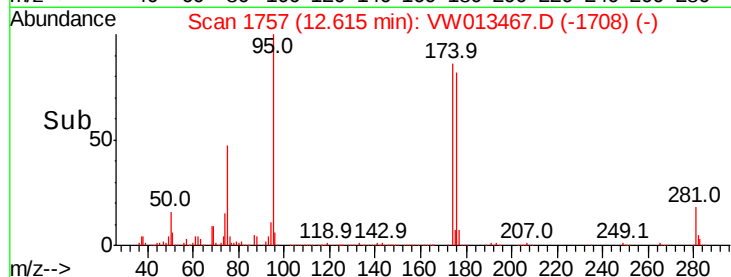
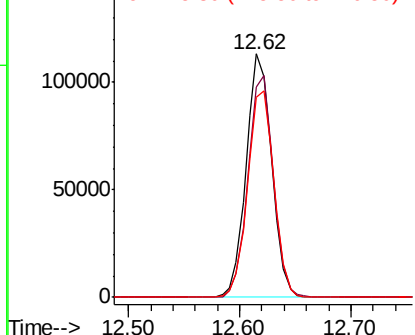
#62
4-Bromofluorobenzene
Concen: 51.666 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW013467.D
Acq: 07 Oct 2019 16:54

Instrument :
MSVOA_W
ClientSampleId :
20190768-SS-COMPOSITE-8

Tot Ion: 95 Resp: 181199
Ion Ratio Lower Upper
95 100
174 90.4 0.0 178.4
176 87.2 0.0 172.2

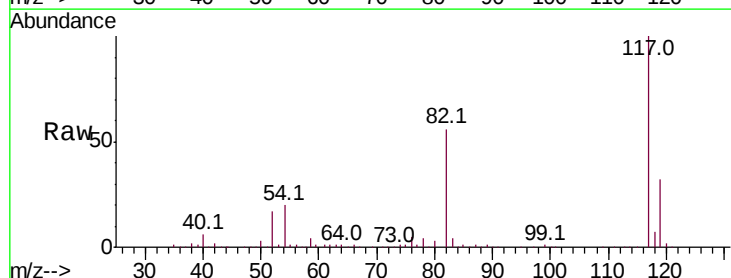


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

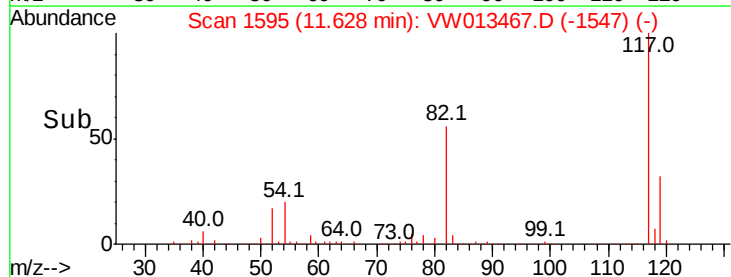
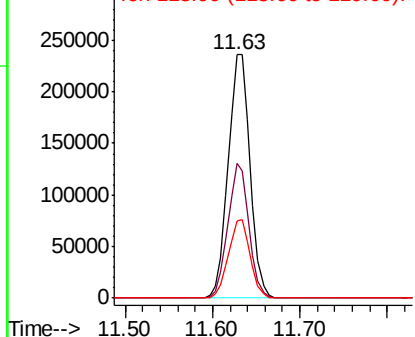


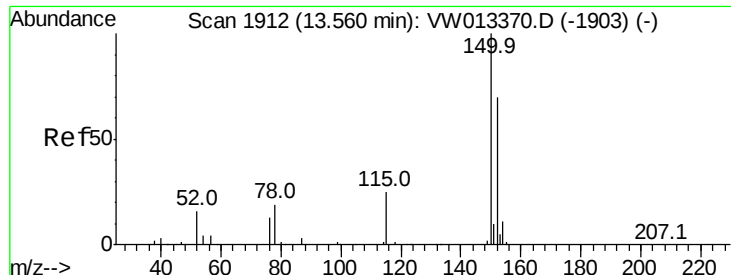
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013467.D
Acq: 07 Oct 2019 16:54

Tgt Ion: 117 Resp: 410375
Ion Ratio Lower Upper
117 100
82 55.5 45.9 68.9
119 31.9 26.2 39.2



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: VW013467.D

Acq: 07 Oct 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

20190768-SS-COMPOSITE-8

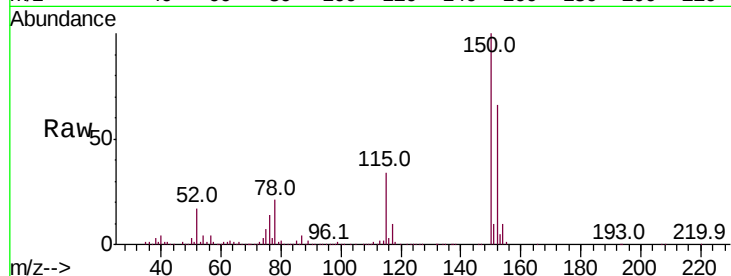
Tot Ion:152 Resp: 188211

Ion Ratio Lower Upper

152 100

115 53.9 27.3 81.9

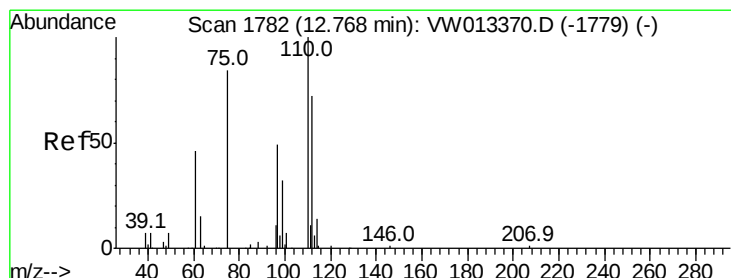
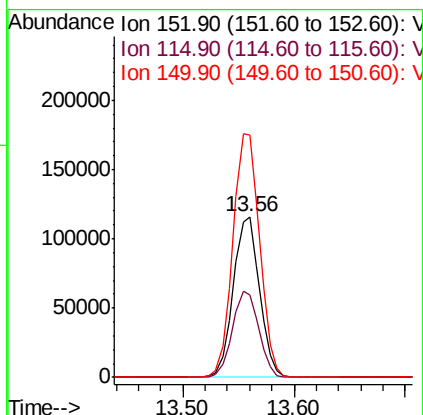
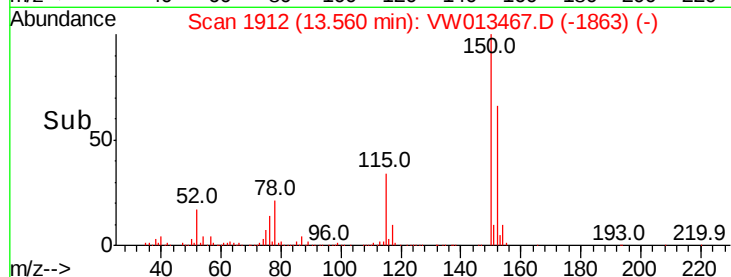
150 155.0 0.0 349.0



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: 49.460 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013467.D

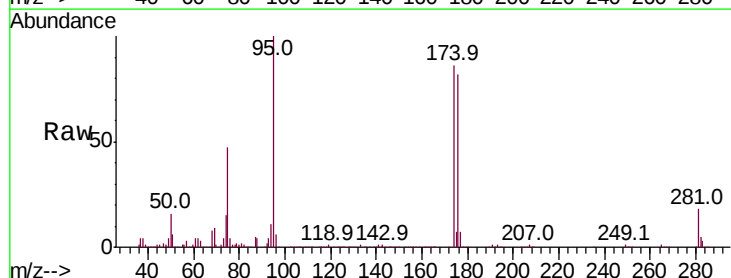
Acq: 07 Oct 2019 16:54

Tgt Ion: 75 Resp: 82734

Ion Ratio Lower Upper

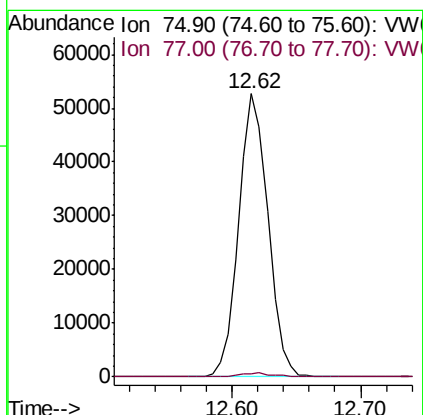
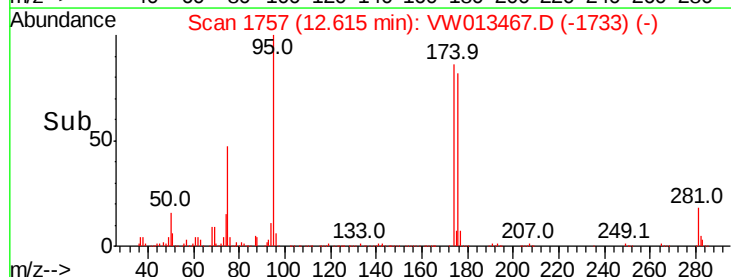
75 100

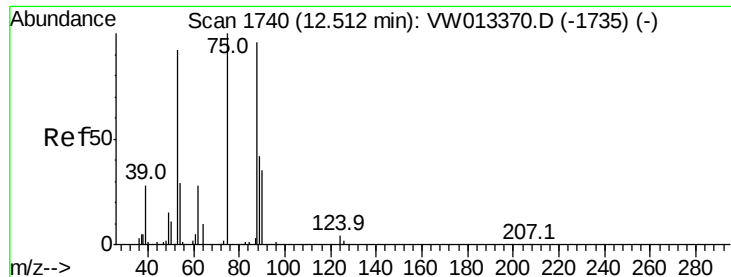
77 1.8 0.0 0.0#



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: 100.541 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013467.D

Acq: 07 Oct 2019 16:54

Instrument :

MSVOA_W

ClientSampleId :

20190768-SS-COMPOSITE-8

Tot Ion: 75 Resp: 82734

Ion Ratio Lower Upper

75 100

53 0.2 76.6 114.8#

89 0.1 33.5 50.3#

