

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100219\
 Data File : VW013391.D
 Acq On : 02 Oct 2019 20:48
 Operator : SY/VA
 Sample : K5168-01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 20190763-SS-COMPOSITE-3

Quant Time: Oct 03 07:05:06 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	263190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	391205	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	335088	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	147788	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	112058	57.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.04%	
35) Dibromofluoromethane	7.88	113	110540	53.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.70%	
50) Toluene-d8	10.32	98	447980	52.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.18%	
62) 4-Bromofluorobenzene	12.62	95	143171	50.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.66%	

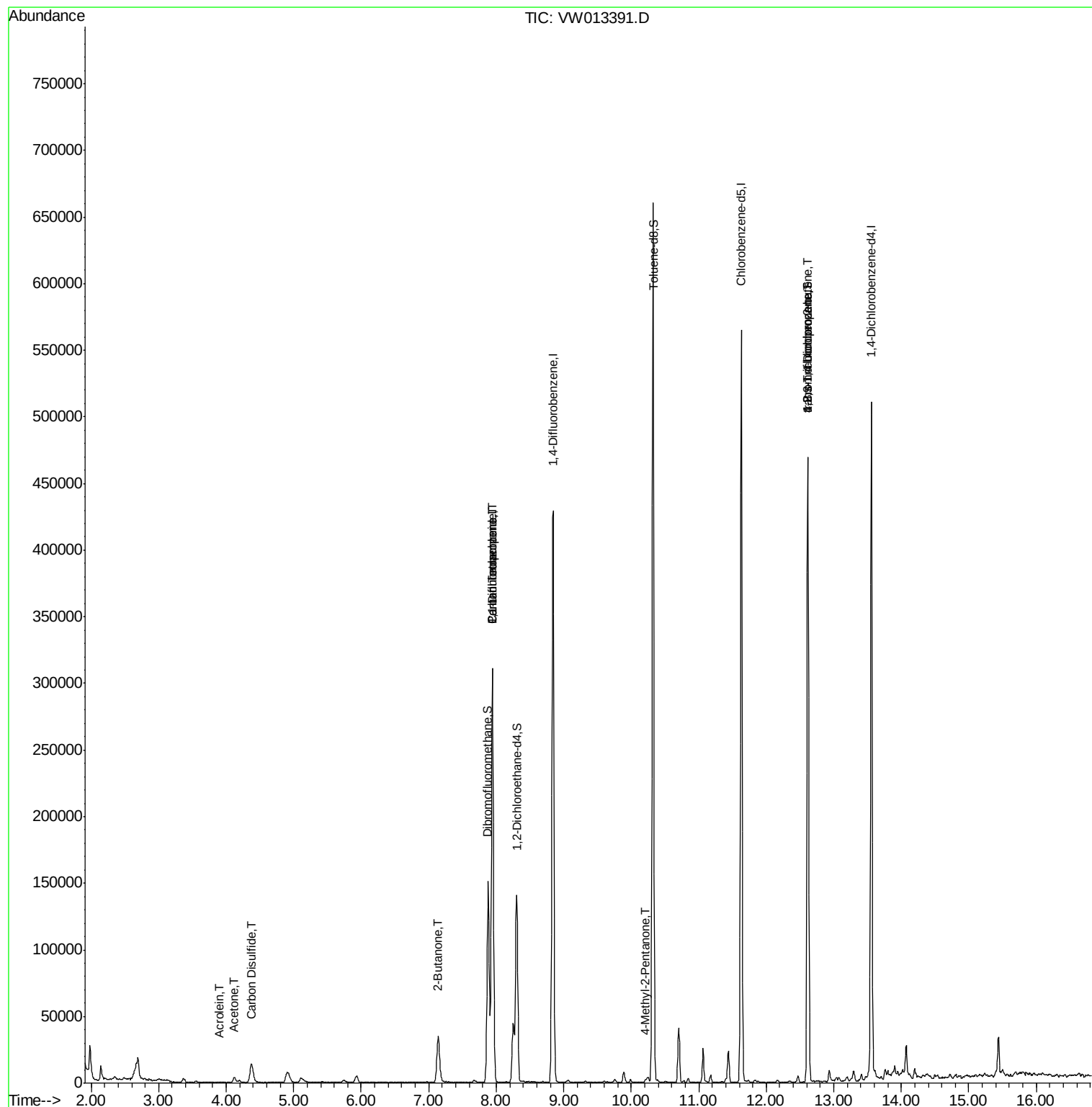
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.10	59	2471	Below Cal	#	73
13) Acrolein	3.90	56	203	11.556	ug/l #	63
16) Acetone	4.12	43	7302	12.122	ug/l	99
17) Carbon Disulfide	4.37	76	30824	4.560	ug/l	96
25) 2-Butanone	7.15	43	1604	2.081	ug/l #	51
26) 2,2-Dichloropropane	7.15	77	2421	Below Cal	#	52
36) 1,1-Dichloropropene	7.94	75	17701	4.872	ug/l #	48
38) Carbon Tetrachloride	7.95	117	22554	7.166	ug/l #	18
51) 4-Methyl-2-Pentanone	10.21	43	1654	1.043	ug/l #	83
76) 1,2,3-Trichloropropane	12.62	75	67821	51.634	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	67821	104.776	ug/l #	12

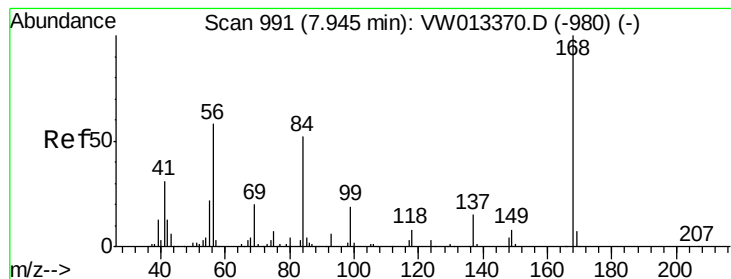
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013391.D

Acq: 02 Oct 2019 20:48

Instrument :

MSVOA_W

ClientSampleId :

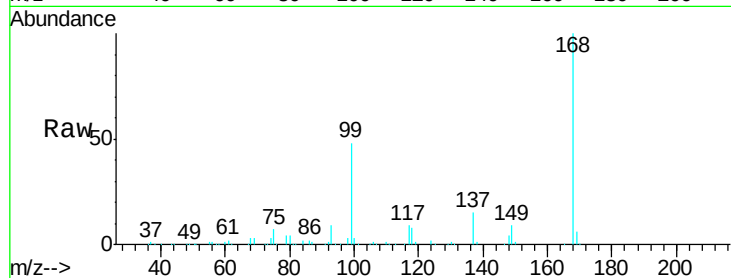
20190763-SS-COMPOSITE-3

Tgt Ion: 168 Resp: 263190

Ion Ratio Lower Upper

168 100

99 47.5 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

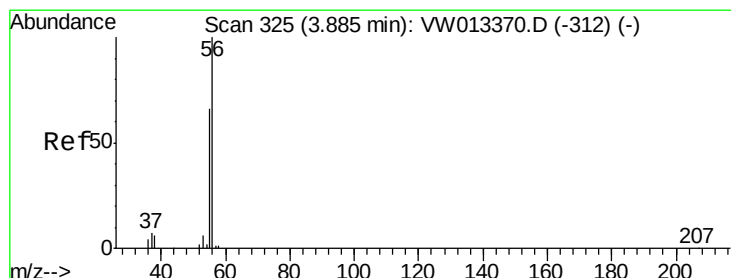
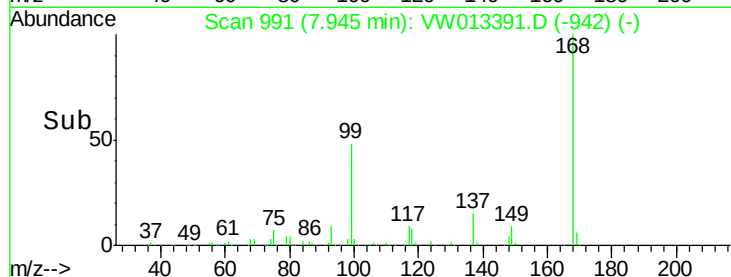
7.95

100000

50000

0

Time-->



#13

Acrolein

Concen: 11.556 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW013391.D

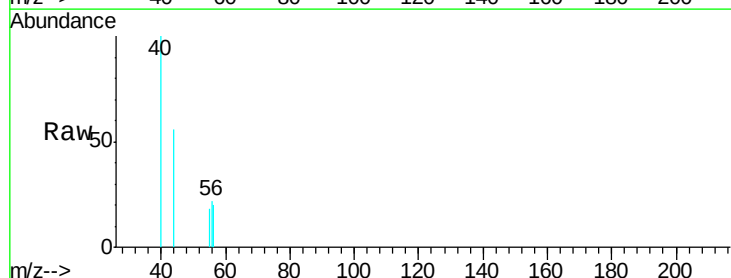
Acq: 02 Oct 2019 20:48

Tgt Ion: 56 Resp: 203

Ion Ratio Lower Upper

56 100

55 38.9 55.4 83.0#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.90

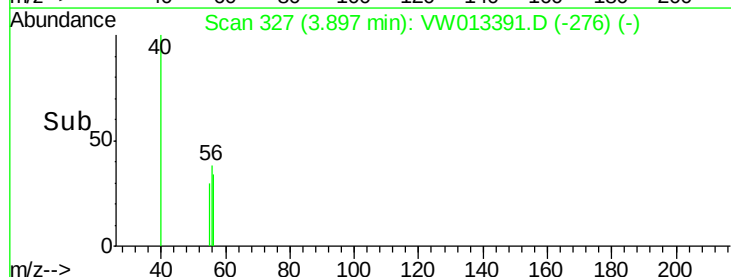
150

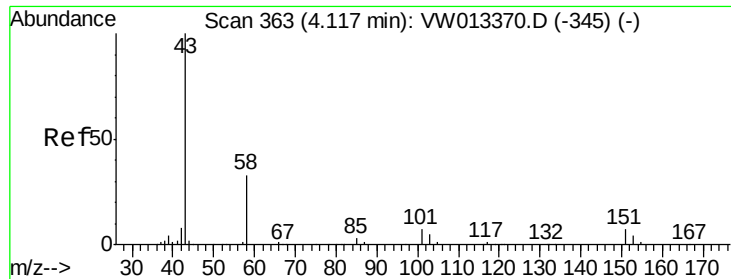
100

50

0

Time-->





#16

Acetone

Concen: 12.122 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW013391.D

Acq: 02 Oct 2019 20:48

Instrument :

MSVOA_W

ClientSampleId :

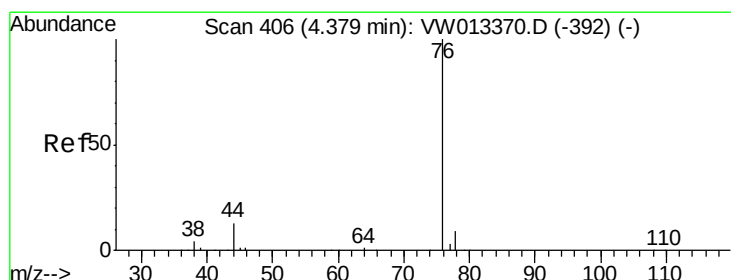
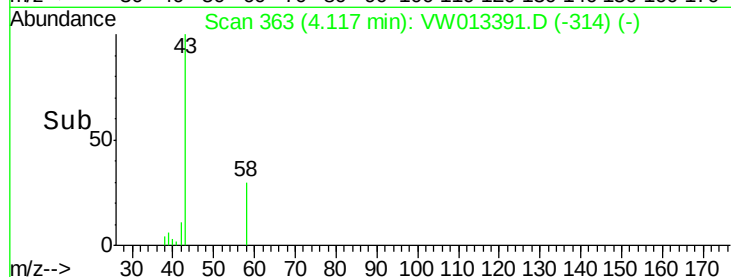
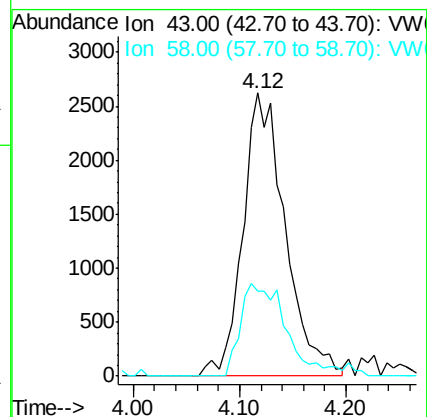
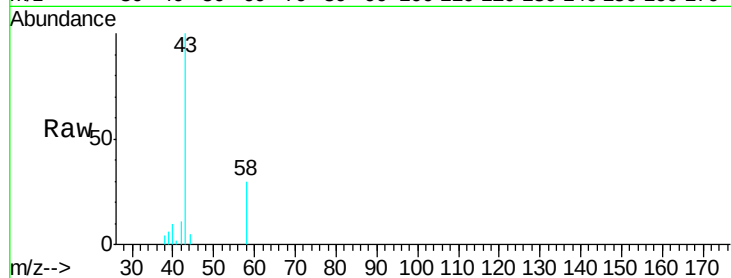
20190763-SS-COMPOSITE-3

Tgt Ion: 43 Resp: 7302

Ion Ratio Lower Upper

43 100

58 29.8 24.1 36.1



#17

Carbon Disulfide

Concen: 4.560 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW013391.D

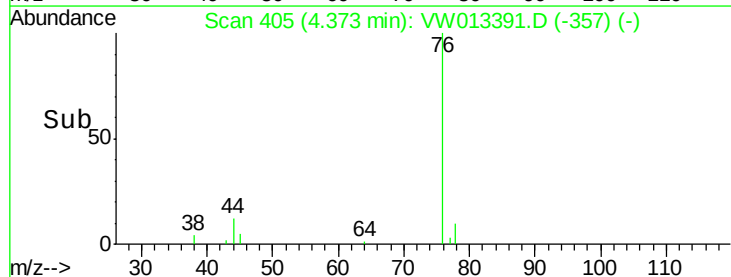
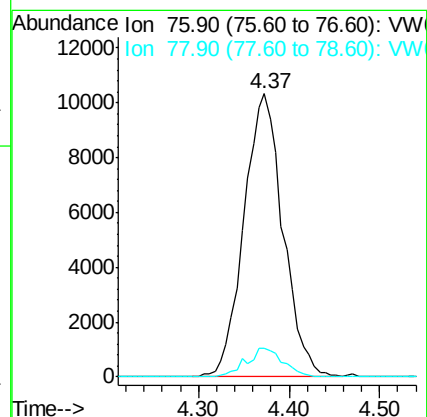
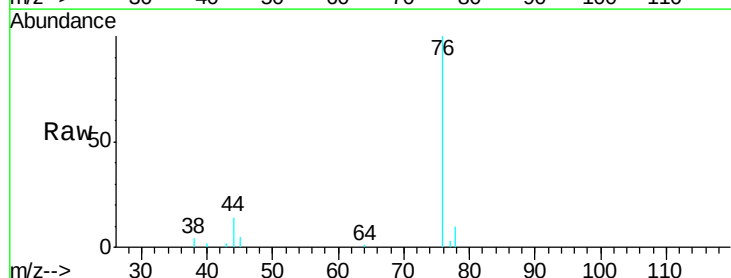
Acq: 02 Oct 2019 20:48

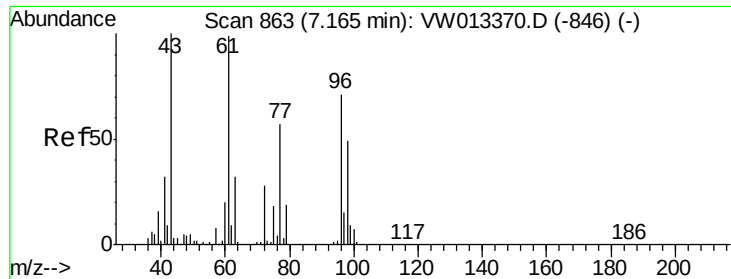
Tgt Ion: 76 Resp: 30824

Ion Ratio Lower Upper

76 100

78 10.0 7.0 10.4





#25

2-Butanone

Concen: 2.081 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW013391.D

Acq: 02 Oct 2019 20:48

Instrument :

MSVOA_W

ClientSampleId :

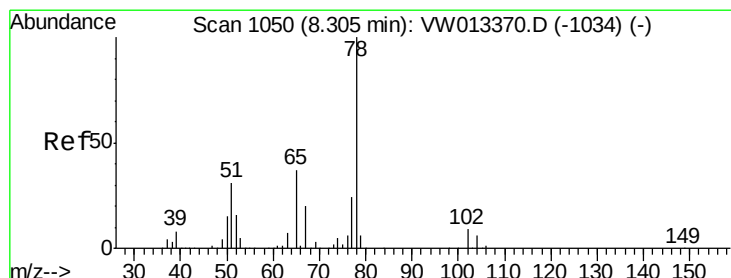
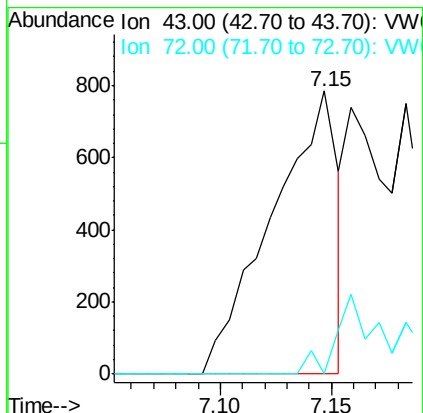
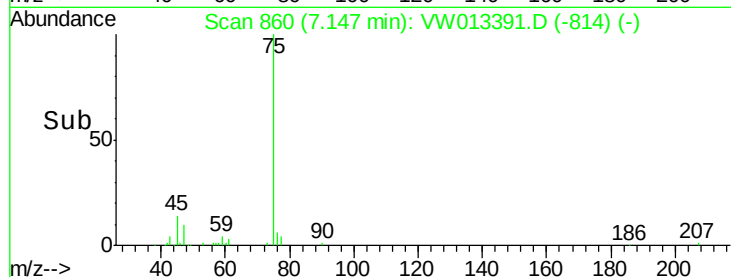
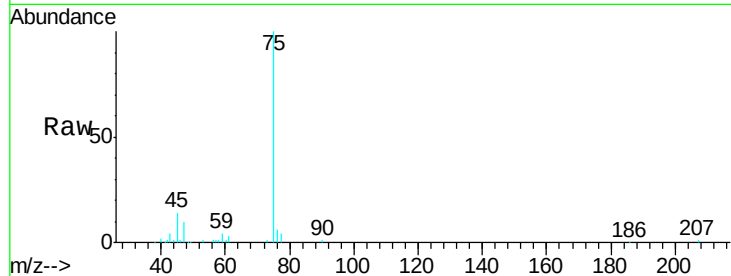
20190763-SS-COMPOSITE-3

Tgt Ion: 43 Resp: 1604

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.0#



#33

1,2-Dichloroethane-d4

Concen: 57.022 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013391.D

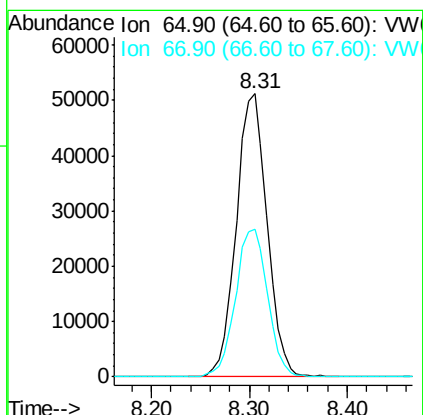
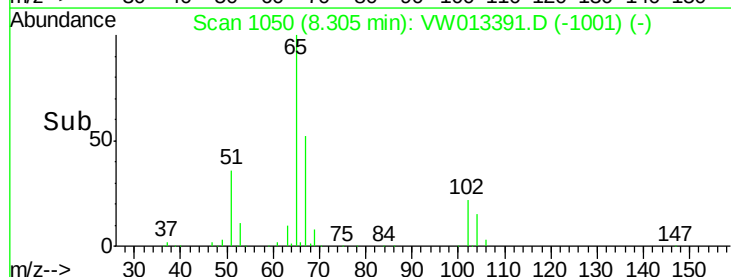
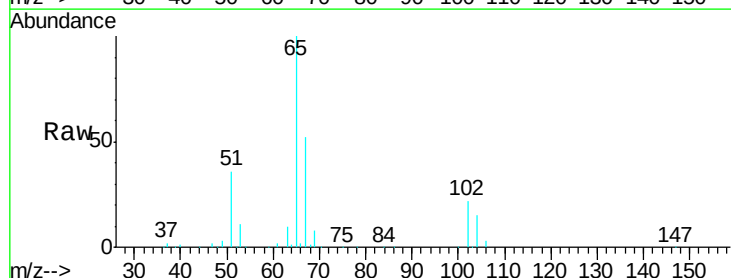
Acq: 02 Oct 2019 20:48

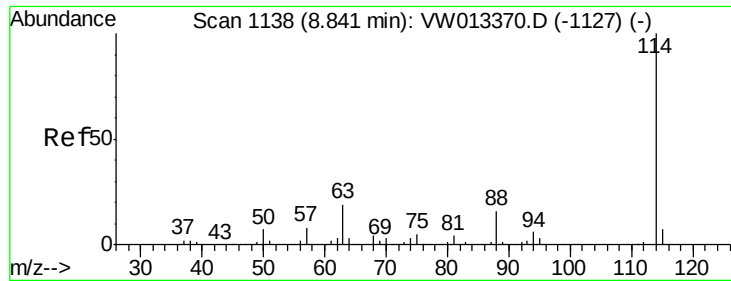
Tgt Ion: 65 Resp: 112058

Ion Ratio Lower Upper

65 100

67 54.3 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: VW013391.D

Acq: 02 Oct 2019 20:48

Instrument :

MSVOA_W

ClientSampleId :

20190763-SS-COMPOSITE-3

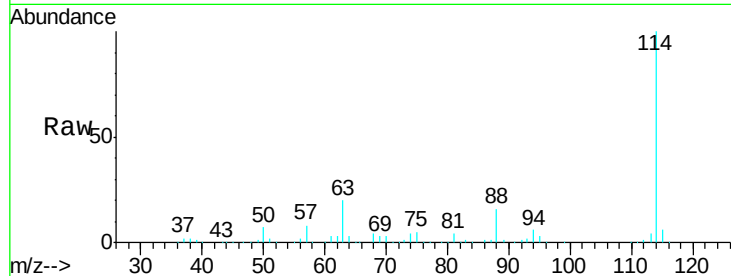
Tgt Ion:114 Resp: 391205

Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.4

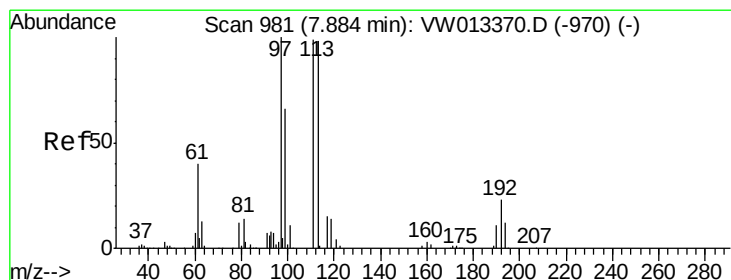
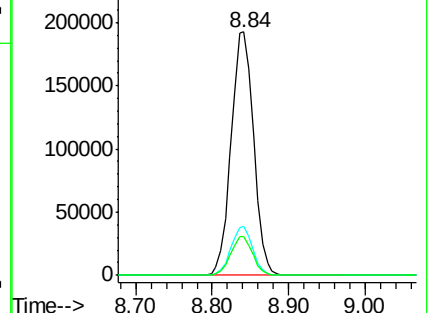
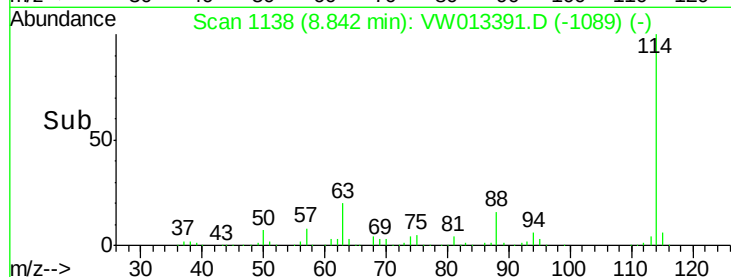
88 15.8 0.0 32.0



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: 53.850 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW013391.D

Acq: 02 Oct 2019 20:48

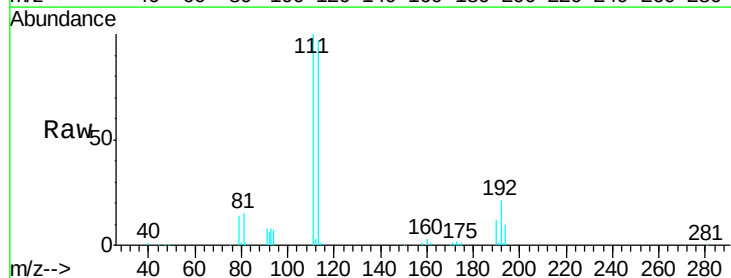
Tgt Ion:113 Resp: 110540

Ion Ratio Lower Upper

113 100

111 100.4 81.9 122.9

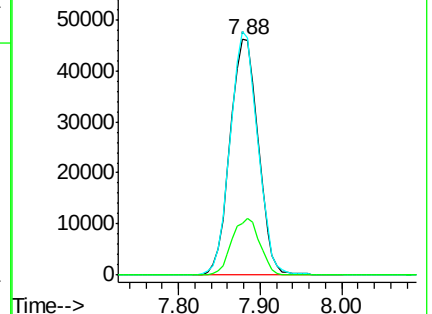
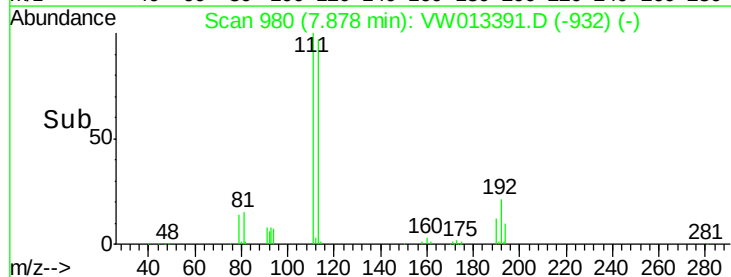
192 23.9 19.1 28.7

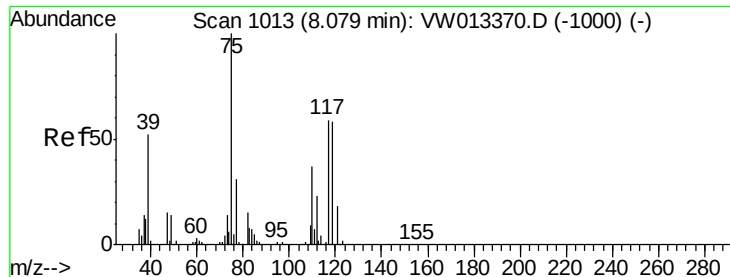


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

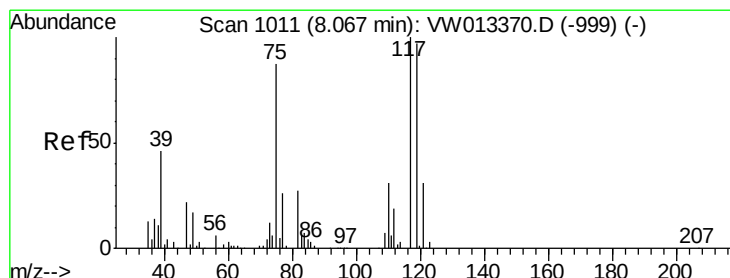
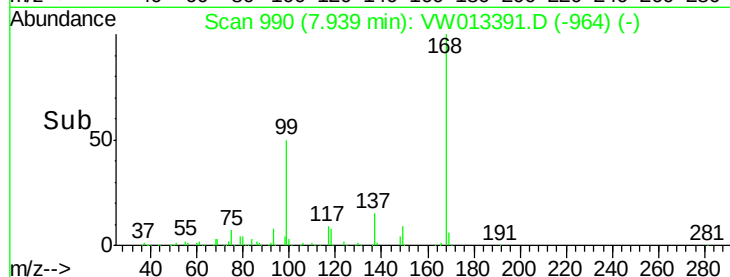
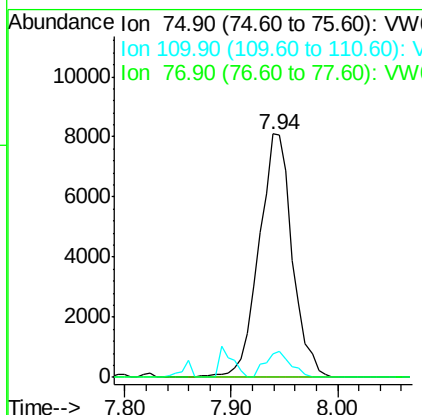
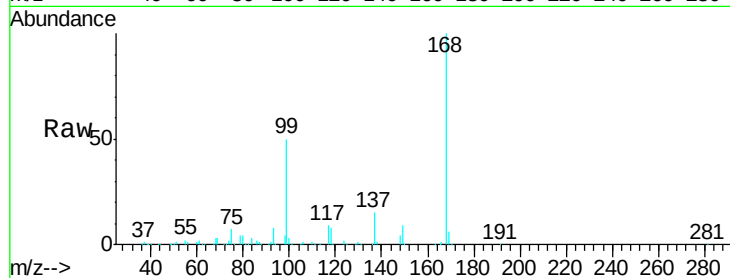




#36
 1,1-Dichloropropene
 Concen: 4.872 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013391.D
 Acq: 02 Oct 2019 20:48

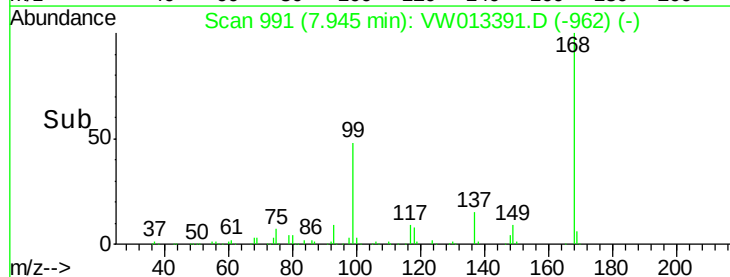
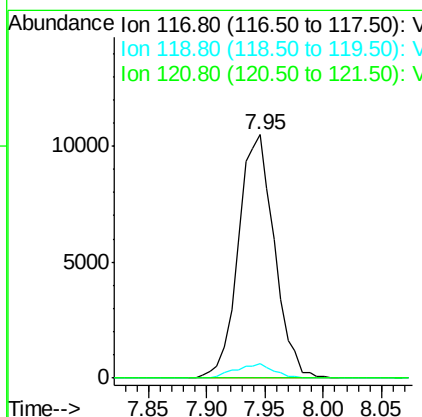
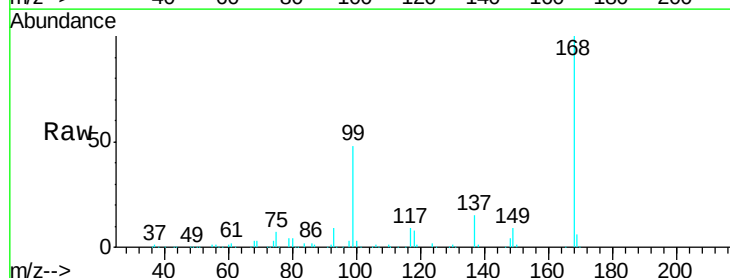
Instrument :
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 20190763-SS-COMPOSITE-3

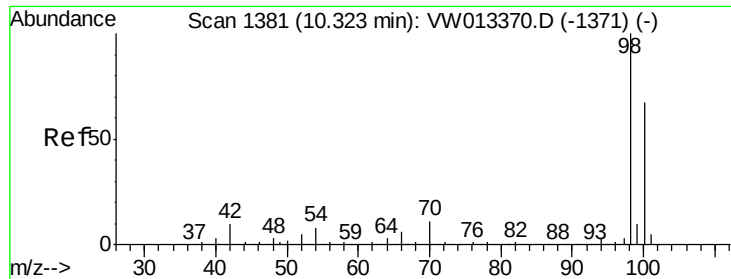
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.0	18.1	54.3#
77	0.0	25.8	38.6#



#38
 Carbon Tetrachloride
 Concen: 7.166 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013391.D
 Acq: 02 Oct 2019 20:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	73.5	110.3#
121	0.0	25.0	37.6#

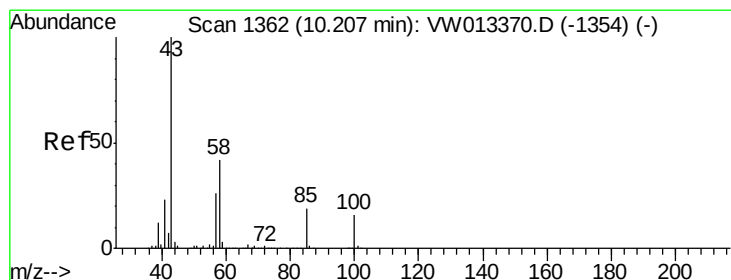
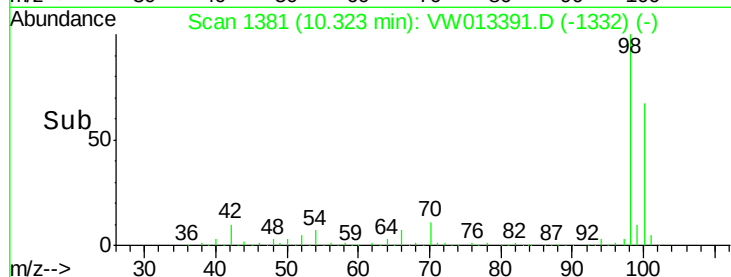
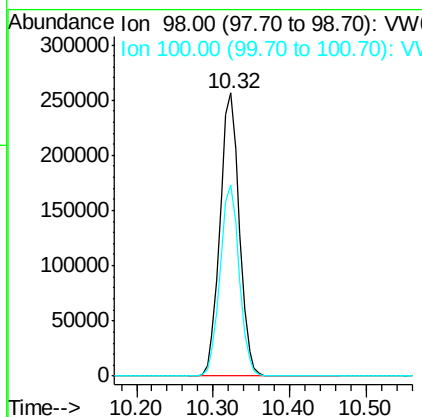
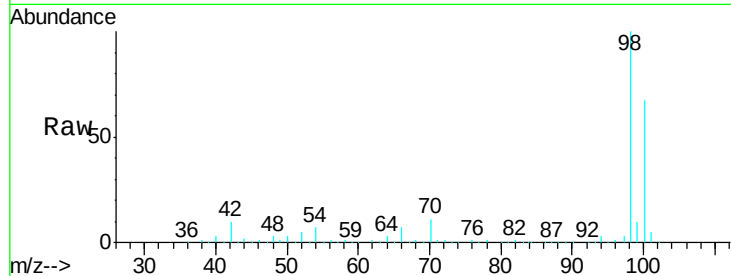




#50
Toluene-d8
Concen: 52.589 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013391.D
Acq: 02 Oct 2019 20:48

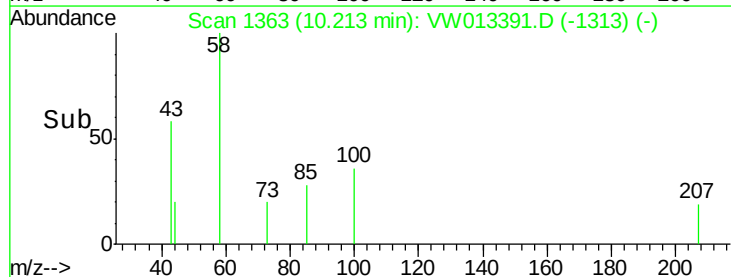
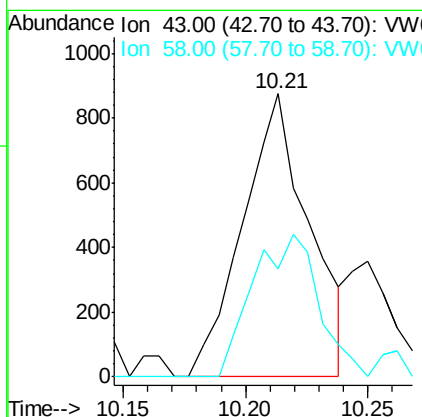
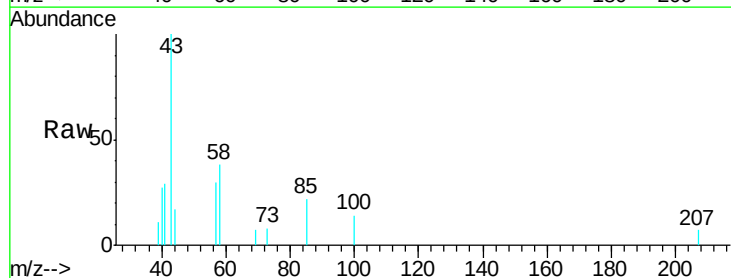
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20190763-SS-COMPOSITE-3

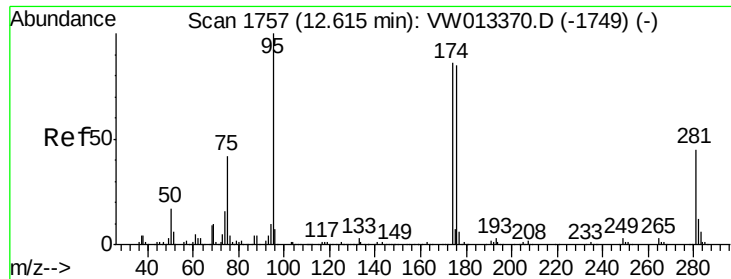
Tgt Ion: 98 Resp: 447980
Ion Ratio Lower Upper
98 100
100 66.8 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 1.043 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VW013391.D
Acq: 02 Oct 2019 20:48

Tgt Ion: 43 Resp: 1654
Ion Ratio Lower Upper
43 100
58 49.9 31.7 47.5#

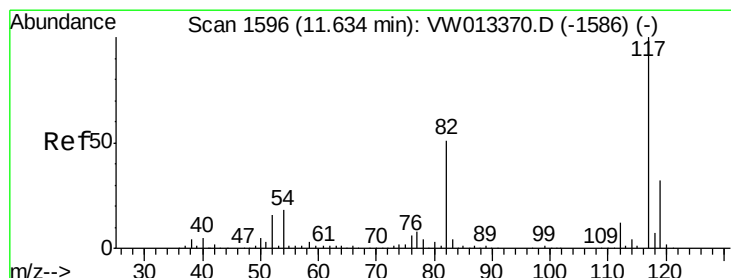
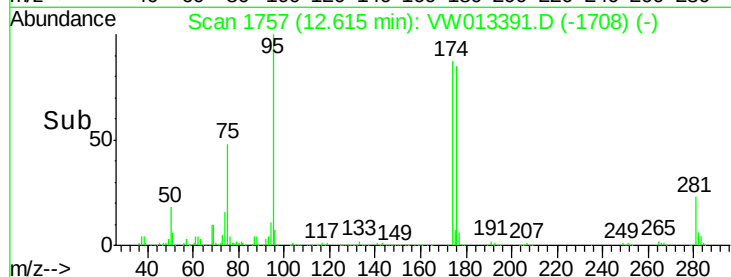
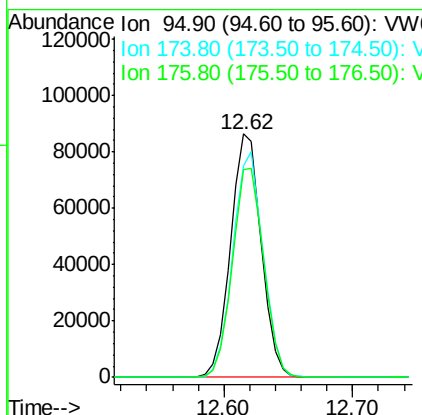
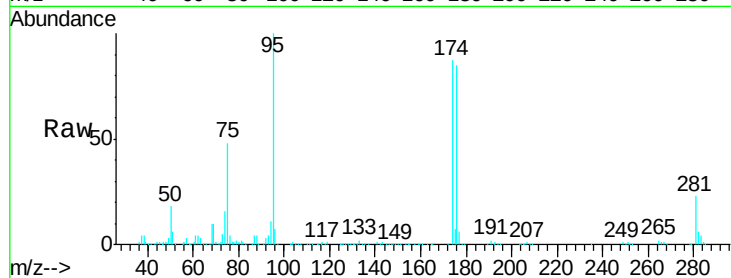




#62
4-Bromofluorobenzene
Concen: 50.330 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW013391.D
Acq: 02 Oct 2019 20:48

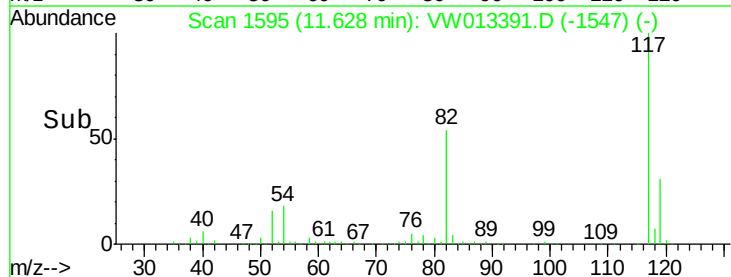
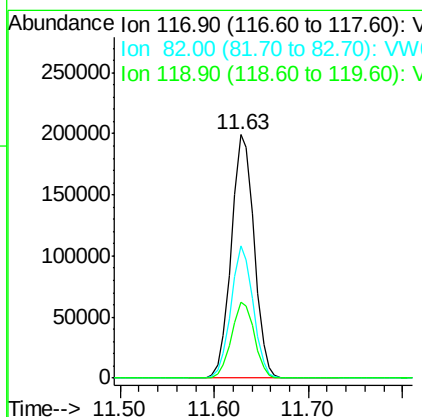
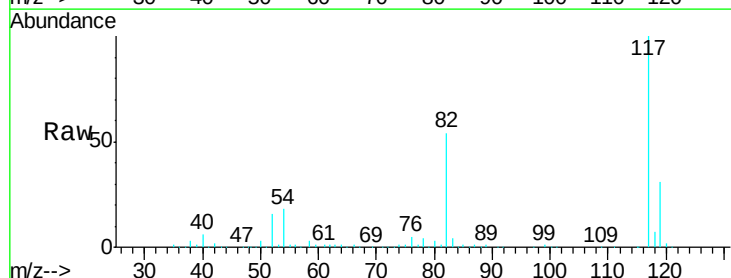
Instrument :
MSVOA_W
ClientSampleId :
20190763-SS-COMPOSITE-3

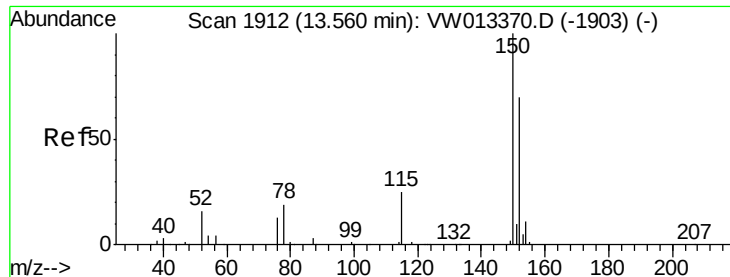
Tgt Ion: 95 Resp: 143171
Ion Ratio Lower Upper
95 100
174 91.5 0.0 178.4
176 87.3 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013391.D
Acq: 02 Oct 2019 20:48

Tgt Ion: 117 Resp: 335088
Ion Ratio Lower Upper
117 100
82 54.3 45.9 68.9
119 31.4 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW013391.D

Acq: 02 Oct 2019 20:48

Instrument :

MSVOA_W

ClientSampleId :

20190763-SS-COMPOSITE-3

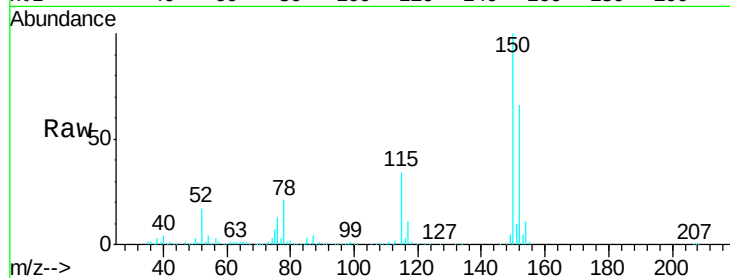
Tgt Ion:152 Resp: 147788

Ion Ratio Lower Upper

152 100

115 55.4 27.3 81.9

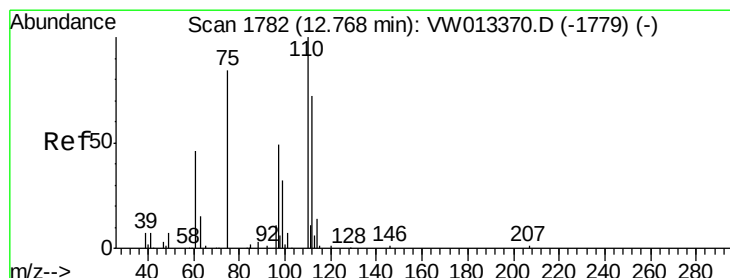
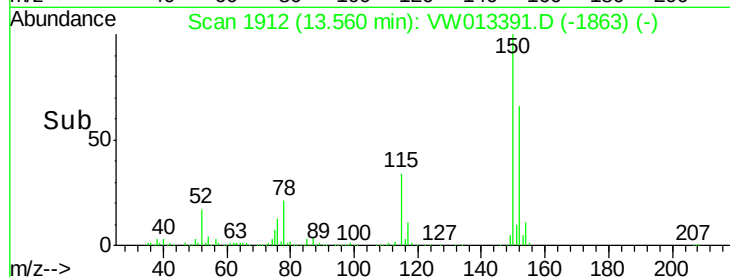
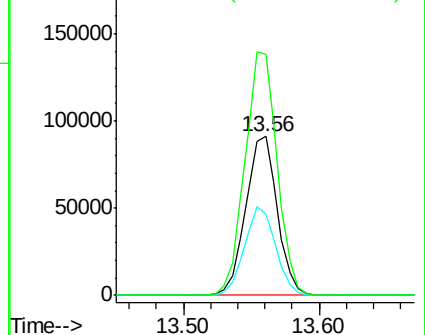
150 156.4 0.0 349.0



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: 51.634 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013391.D

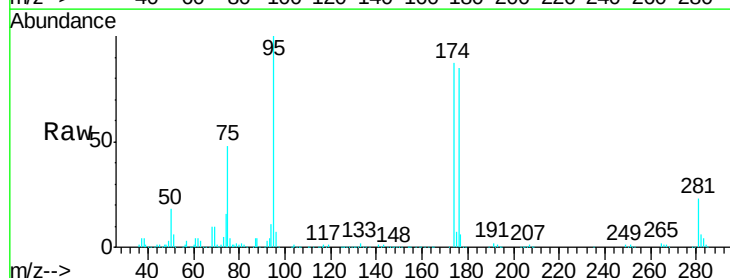
Acq: 02 Oct 2019 20:48

Tgt Ion: 75 Resp: 67821

Ion Ratio Lower Upper

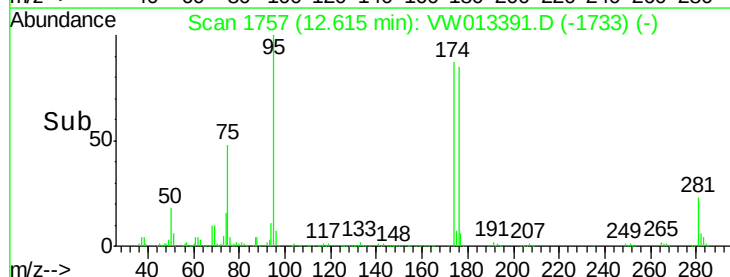
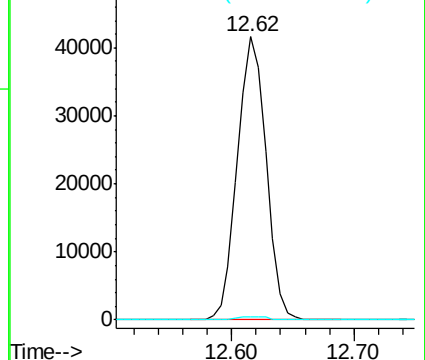
75 100

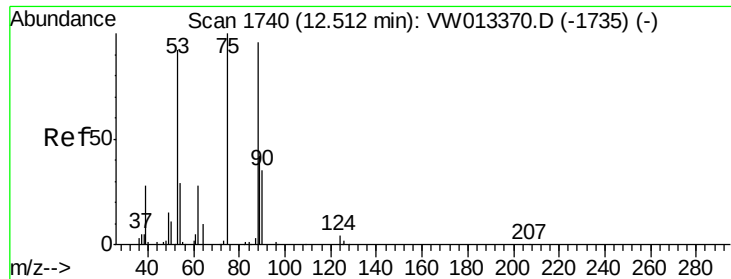
77 1.3 0.0 0.0#



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: 104.776 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013391.D

Acq: 02 Oct 2019 20:48

Instrument :

MSVOA_W

ClientSampleId :

20190763-SS-COMPOSITE-3

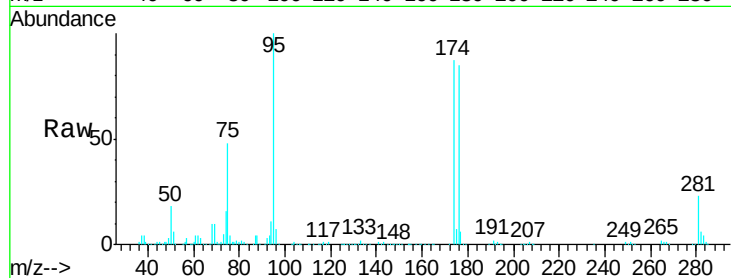
Tgt Ion: 75 Resp: 67821

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

89 0.4 33.5 50.3#



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

