

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100219\
 Data File : VW013381.D
 Acq On : 02 Oct 2019 16:29
 Operator : SY/VA
 Sample : K5083-06RE
 Misc : 5.10G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 20190703-RR-COMPOSITE-3

Quant Time: Oct 02 16:53:35 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	275872	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	396799	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	326359	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	145196	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	100003	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
35) Dibromofluoromethane	7.88	113	108442	52.08	ug/l	0.00
Spiked Amount			Recovery	=	104.16%	
50) Toluene-d8	10.32	98	456305	52.81	ug/l	0.00
Spiked Amount			Recovery	=	105.62%	
62) 4-Bromofluorobenzene	12.62	95	139750	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	

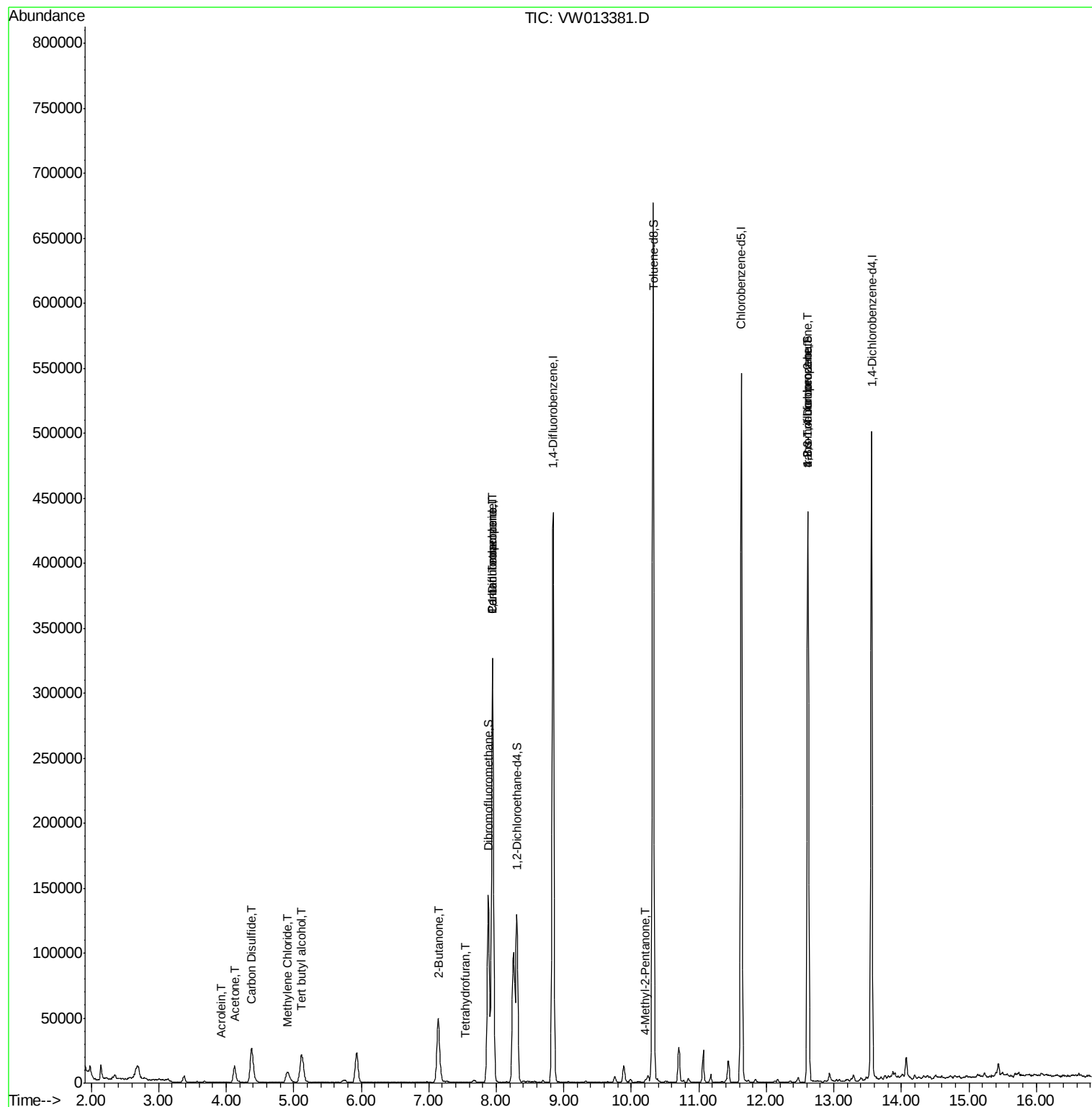
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	22652	121.572	ug/l #	73
13) Acrolein	3.92	56	85	10.968	ug/l #	49
16) Acetone	4.12	43	21928	34.730	ug/l #	85
17) Carbon Disulfide	4.38	76	59275	8.367	ug/l	98
20) Methylene Chloride	4.90	84	7324	1.025	ug/l #	86
25) 2-Butanone	7.15	43	2217	2.744	ug/l #	83
26) 2,2-Dichloropropane	7.15	77	3554	Below Cal	#	52
29) Tetrahydrofuran	7.54	42	22	9.738	ug/l #	34
36) 1,1-Dichloropropene	7.94	75	18167	4.929	ug/l #	49
38) Carbon Tetrachloride	7.95	117	23875	7.478	ug/l #	17
51) 4-Methyl-2-Pentanone	10.21	43	2648	1.646	ug/l #	84
76) 1,2,3-Trichloropropane	12.62	75	67079	51.981	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	67079	105.452	ug/l #	12

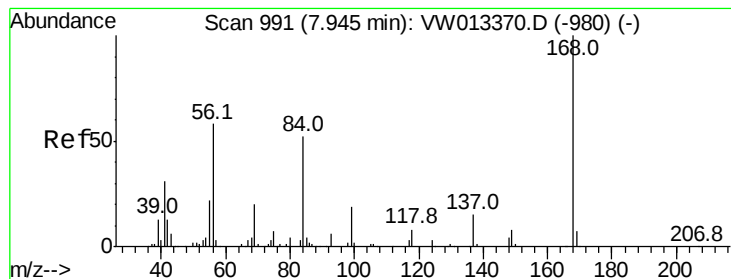
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 02 11:49:57 2019
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: VW013381.D

Acq: 02 Oct 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

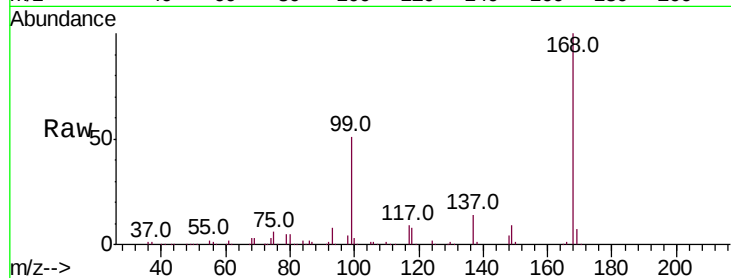
20190703-RR-COMPOSITE-3

Tot Ion:168 Resp: 275872

Ion Ratio Lower Upper

168 100

99 51.0 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

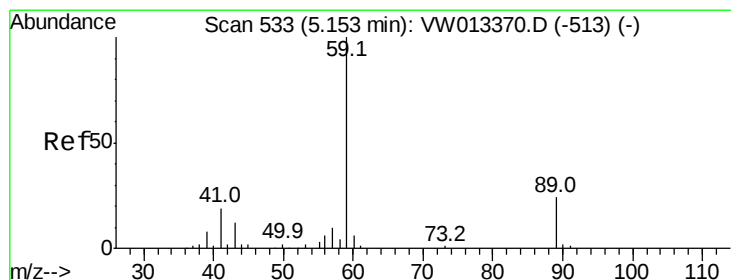
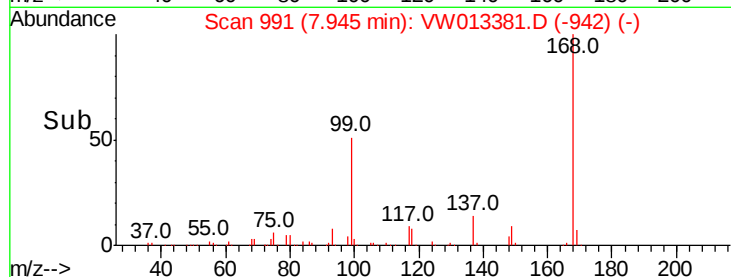
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 121.572 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.04 min

Lab File: VW013381.D

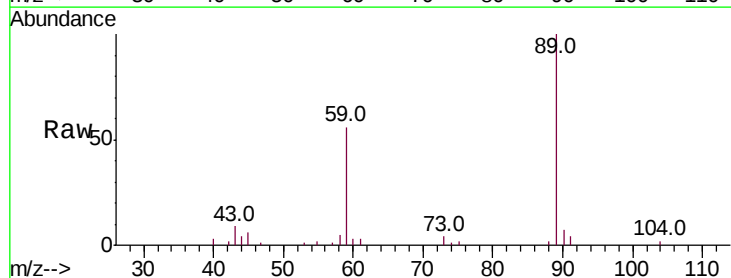
Acq: 02 Oct 2019 16:29

Tgt Ion: 59 Resp: 22652

Ion Ratio Lower Upper

59 100

57 0.3 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

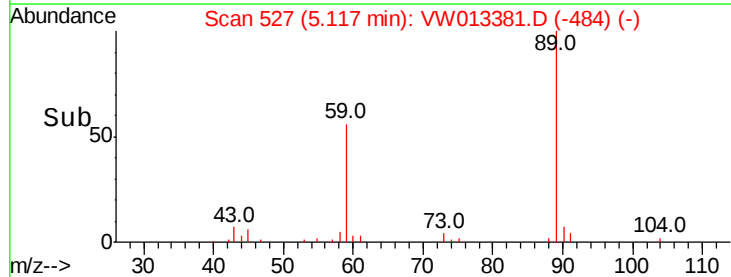
6000

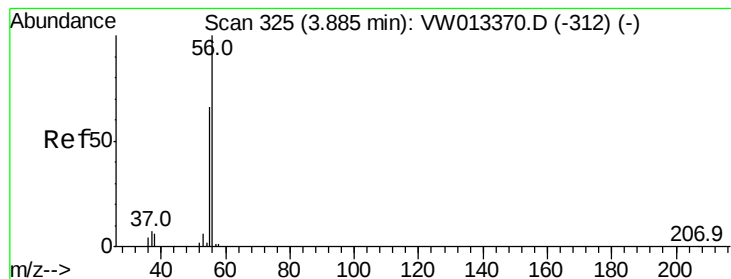
4000

2000

0

Time--> 5.00 5.10 5.20 5.30





#13

Acrolein

Concen: 10.968 ug/l

RT: 3.92 min Scan# 330

Delta R.T. 0.03 min

Lab File: VW013381.D

Acq: 02 Oct 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

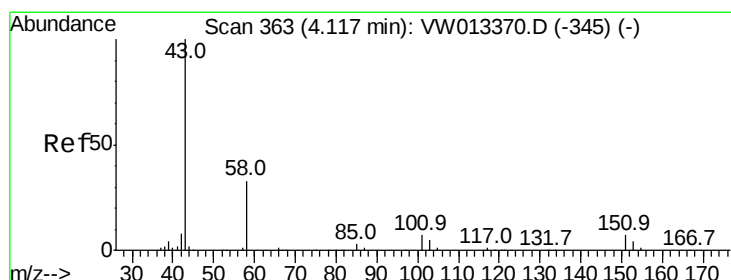
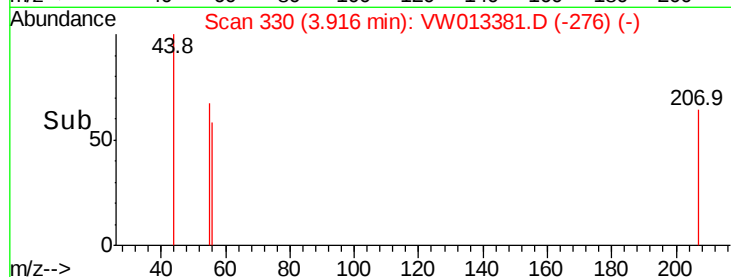
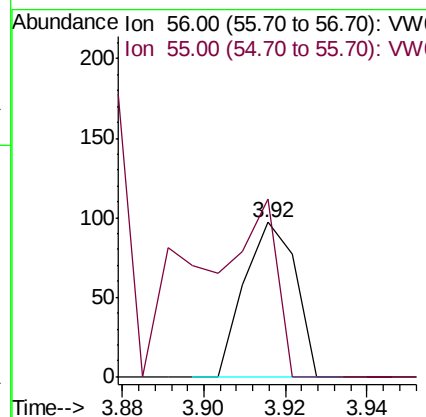
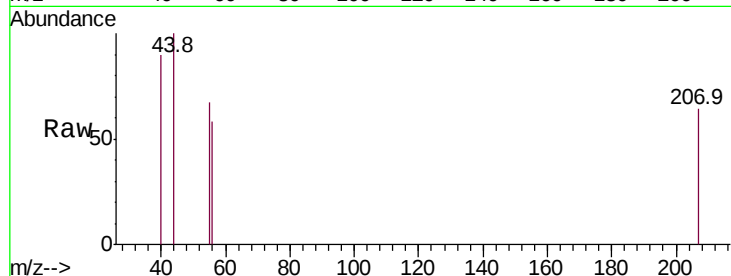
20190703-RR-COMPOSITE-3

Tot Ion: 56 Resp: 85

Ion Ratio Lower Upper

56 100

55 110.6 55.4 83.0#



#16

Acetone

Concen: 34.730 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW013381.D

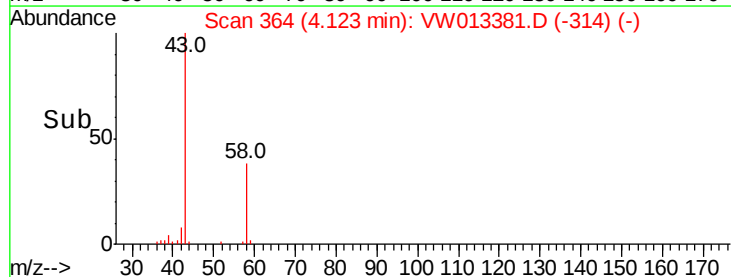
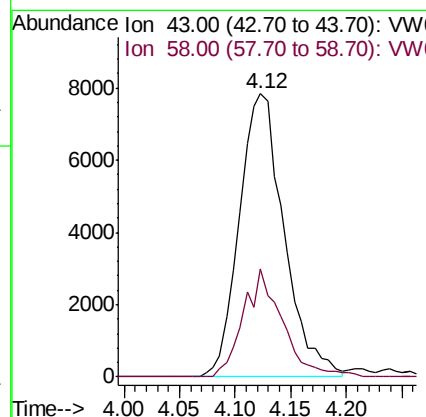
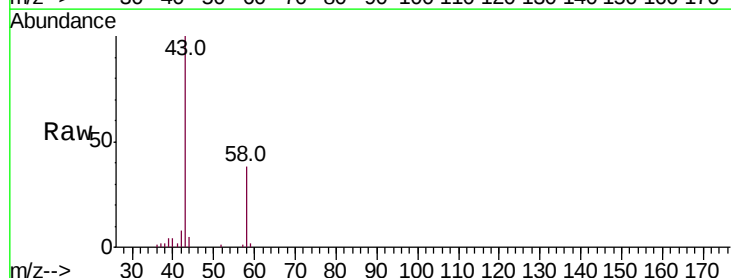
Acq: 02 Oct 2019 16:29

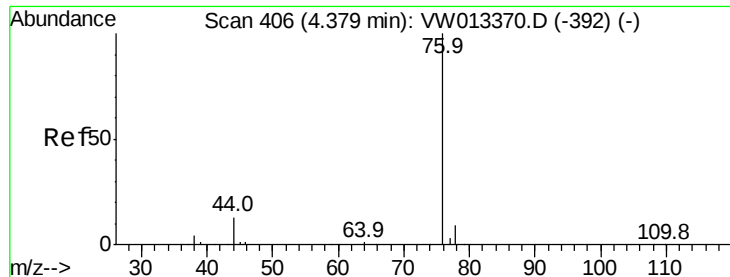
Tgt Ion: 43 Resp: 21928

Ion Ratio Lower Upper

43 100

58 38.0 24.1 36.1#





#17

Carbon Disulfide

Concen: 8.367 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW013381.D

Acq: 02 Oct 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

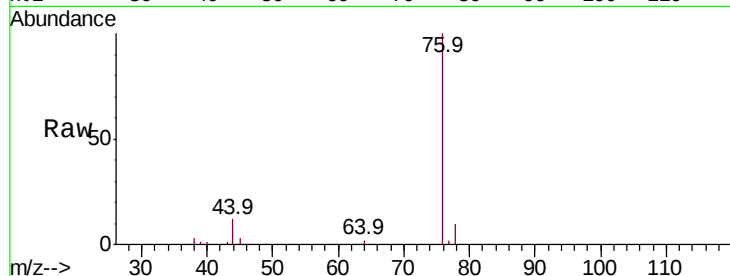
20190703-RR-COMPOSITE-3

Tot Ion: 76 Resp: 59275

Ion Ratio Lower Upper

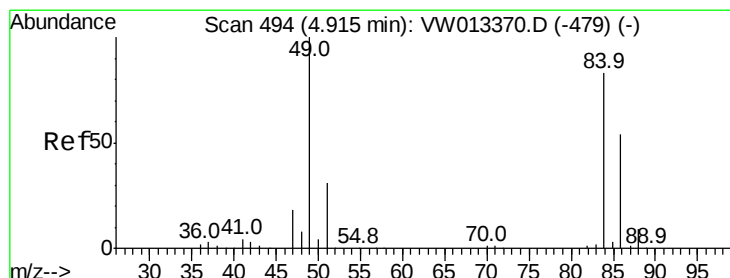
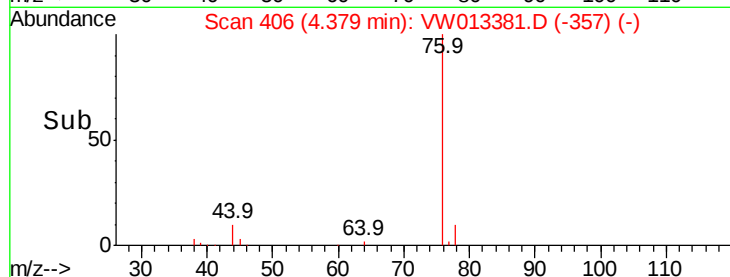
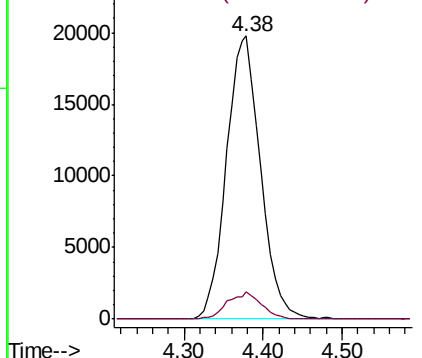
76 100

78 9.6 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#20

Methylene Chloride

Concen: 1.025 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW013381.D

Acq: 02 Oct 2019 16:29

Tgt Ion: 84 Resp: 7324

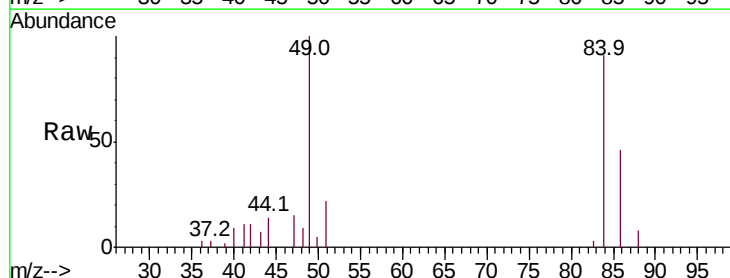
Ion Ratio Lower Upper

84 100

49 109.8 97.6 146.4

51 24.1 30.2 45.2#

86 51.1 50.6 76.0

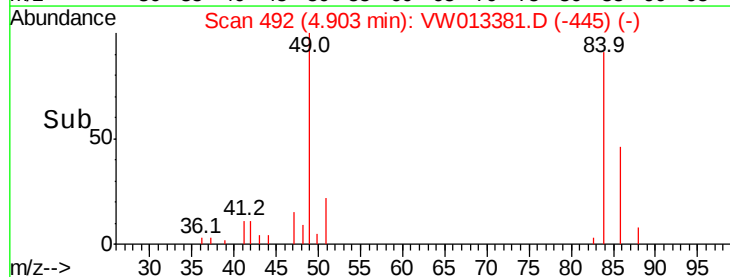
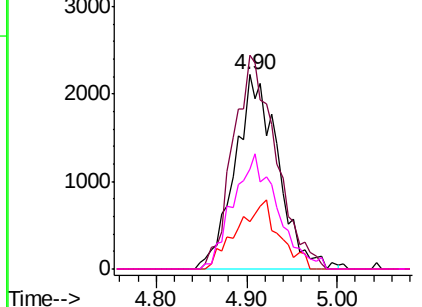


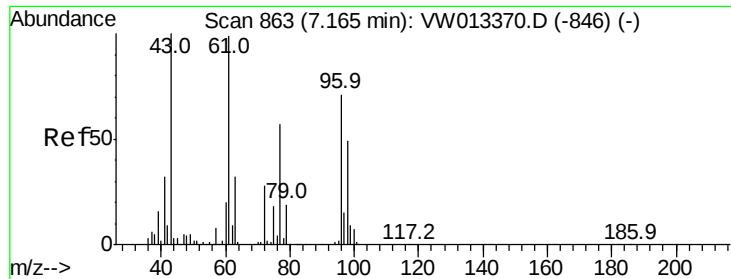
Abundance Ion 83.90 (83.60 to 84.60): VW

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

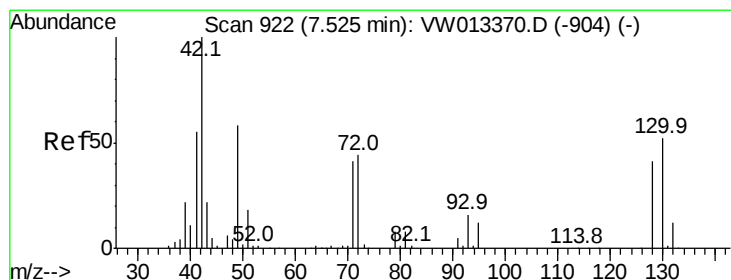
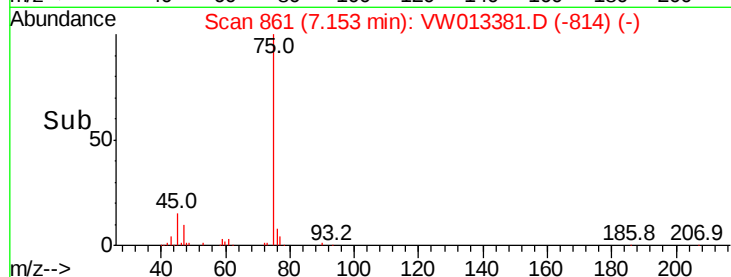
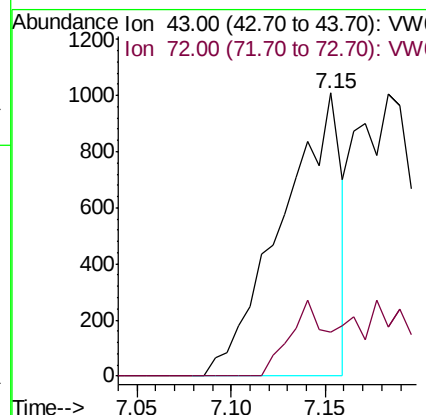
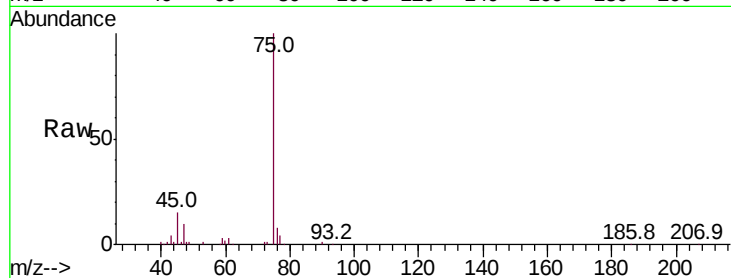




#25
2-Butanone
Concen: 2.744 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: VW013381.D
Acq: 02 Oct 2019 16:29

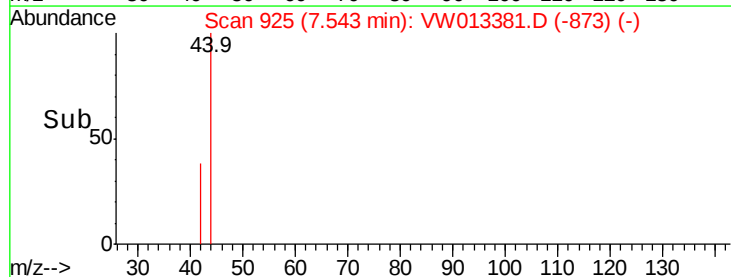
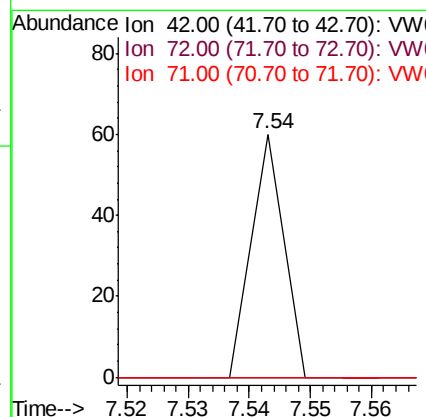
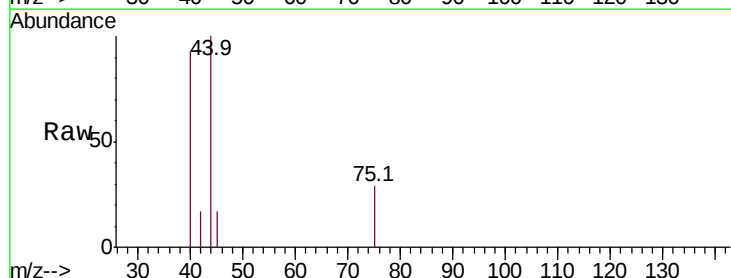
Instrument :
MSVOA_W
ClientSampleId :
20190703-RR-COMPOSITE-3

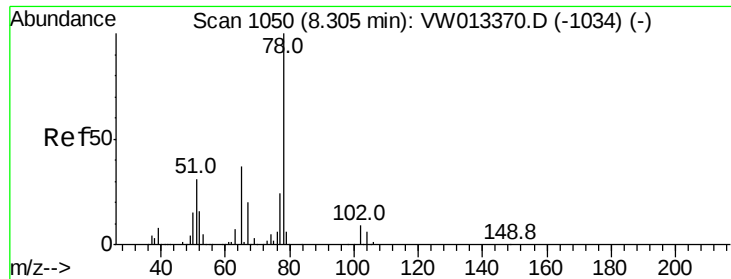
Tot Ion: 43 Resp: 2217
Ion Ratio Lower Upper
43 100
72 15.6 19.4 29.0#



#29
Tetrahydrofuran
Concen: 9.738 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.02 min
Lab File: VW013381.D
Acq: 02 Oct 2019 16:29

Tgt Ion: 42 Resp: 22
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: 48.548 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013381.D

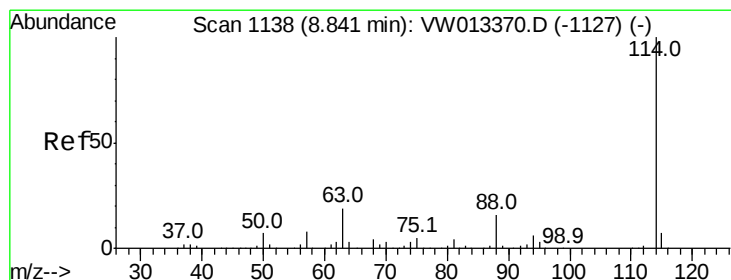
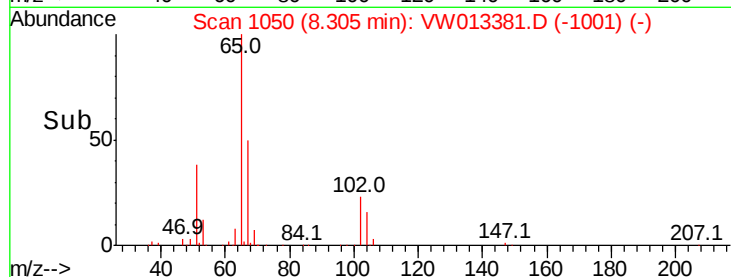
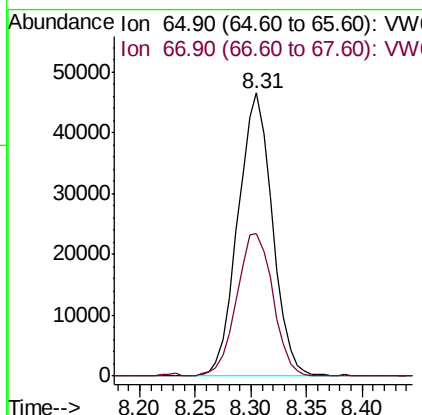
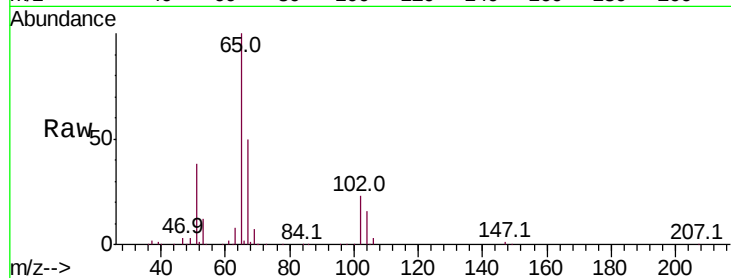
Acq: 02 Oct 2019 16:29

Instrument :
MSVOA_W

ClientSampleId :
20190703-RR-COMPOSITE-3

Tot Ion: 65 Resp: 100003

Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

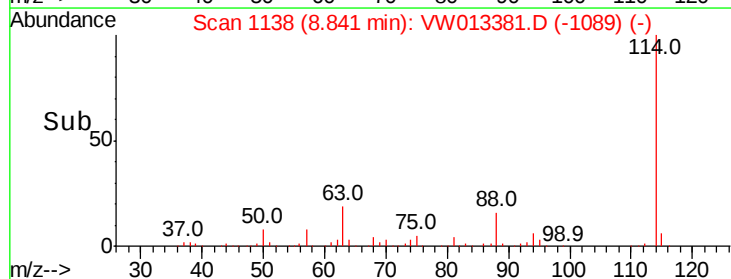
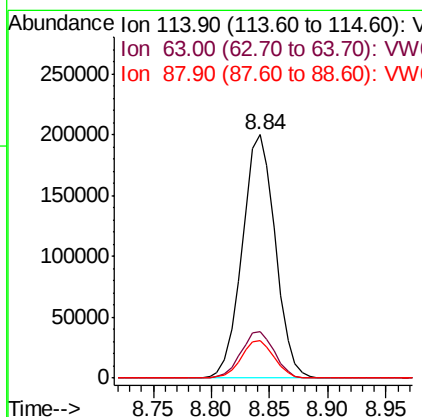
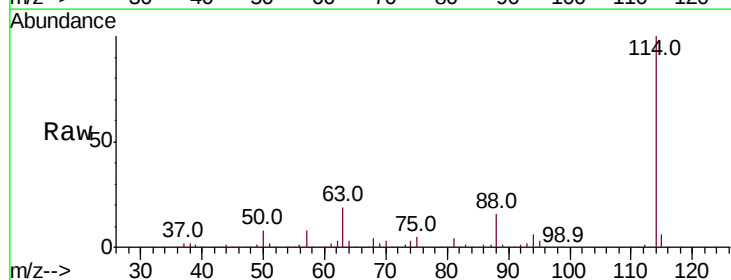
Delta R.T. 0.00 min

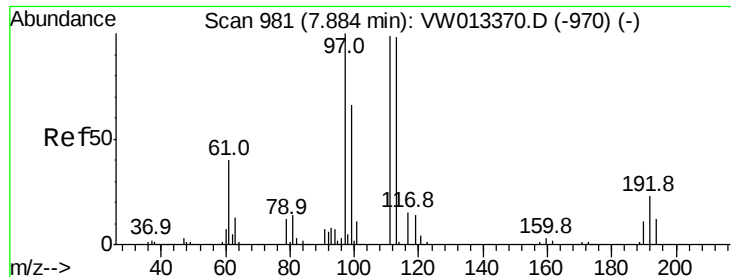
Lab File: VW013381.D

Acq: 02 Oct 2019 16:29

Tgt Ion: 114 Resp: 396799

Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	41.4
88	15.7	0.0	32.0





#35

Dibromofluoromethane

Concen: 52.083 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW013381.D

Acq: 02 Oct 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

20190703-RR-COMPOSITE-3

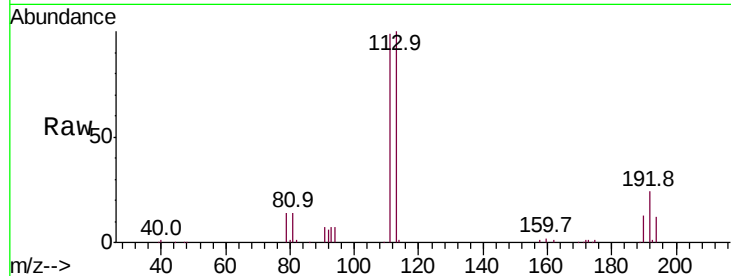
Tot Ion:113 Resp: 108442

Ion Ratio Lower Upper

113 100

111 101.0 81.9 122.9

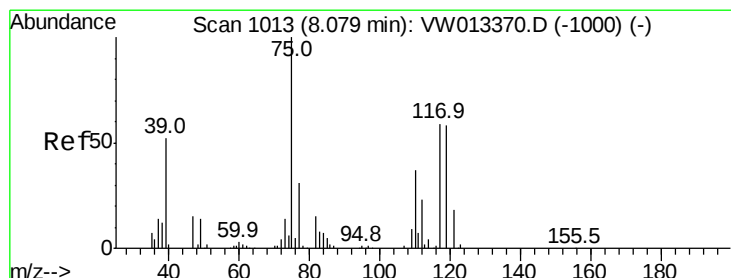
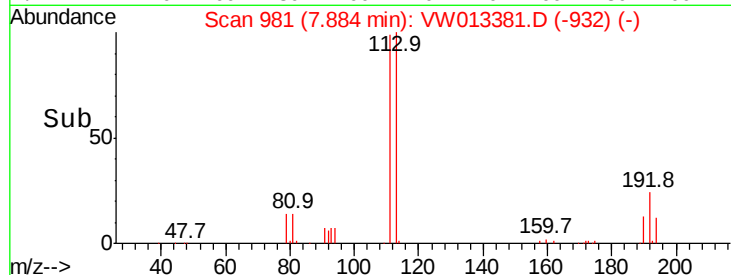
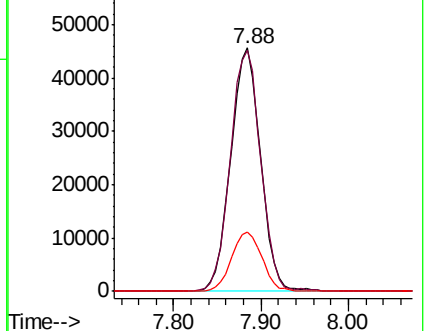
192 24.8 19.1 28.7



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: 4.929 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013381.D

Acq: 02 Oct 2019 16:29

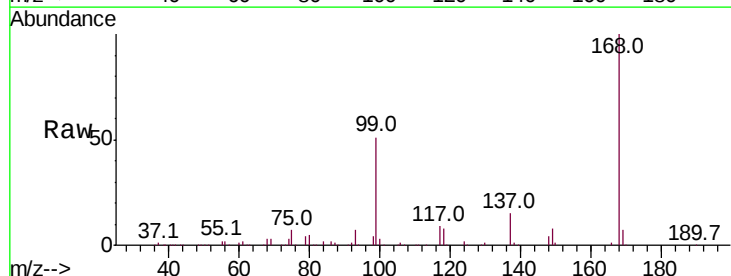
Tgt Ion: 75 Resp: 18167

Ion Ratio Lower Upper

75 100

110 9.5 18.1 54.3#

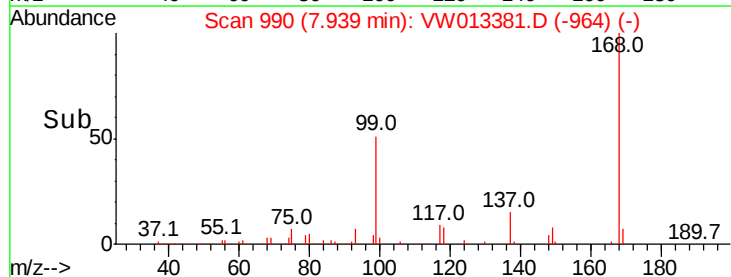
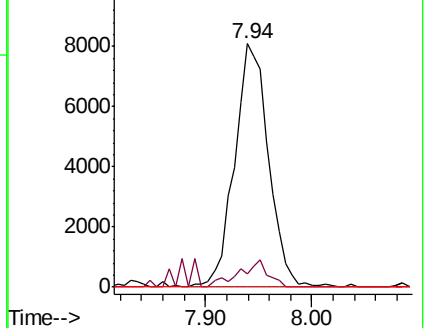
77 0.0 25.8 38.6#

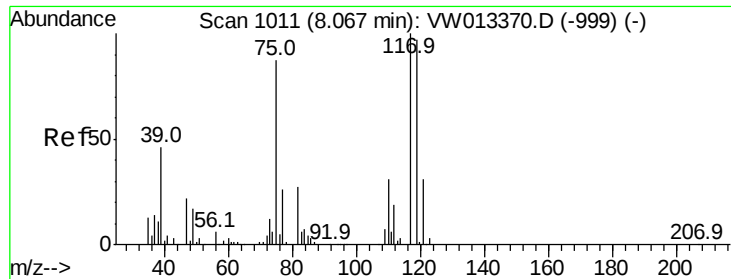


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 7.478 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013381.D

Acq: 02 Oct 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

20190703-RR-COMPOSITE-3

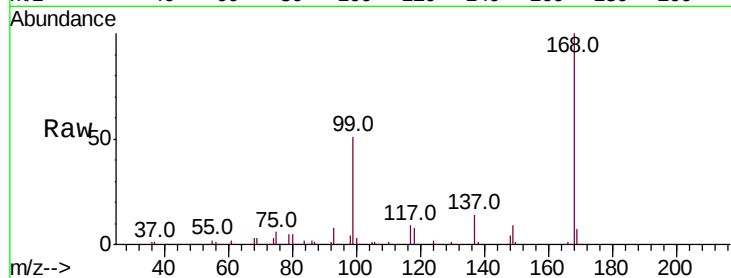
Tot Ion:117 Resp: 23875

Ion Ratio Lower Upper

117 100

119 4.2 73.5 110.3#

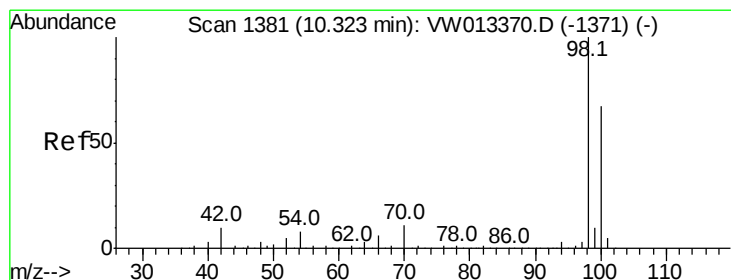
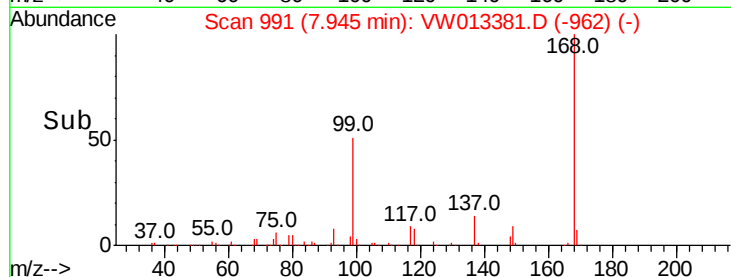
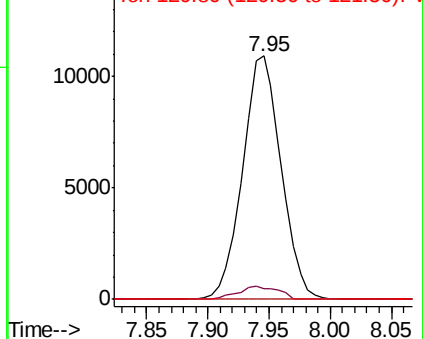
121 0.0 25.0 37.6#



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: 52.811 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013381.D

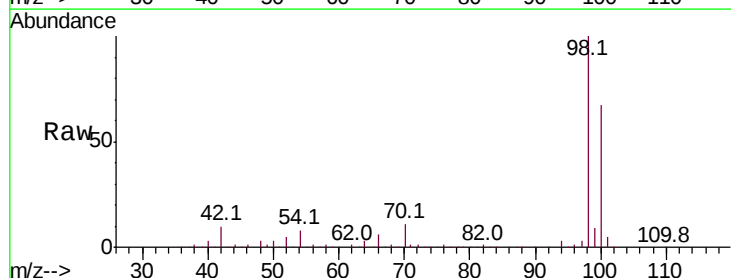
Acq: 02 Oct 2019 16:29

Tgt Ion: 98 Resp: 456305

Ion Ratio Lower Upper

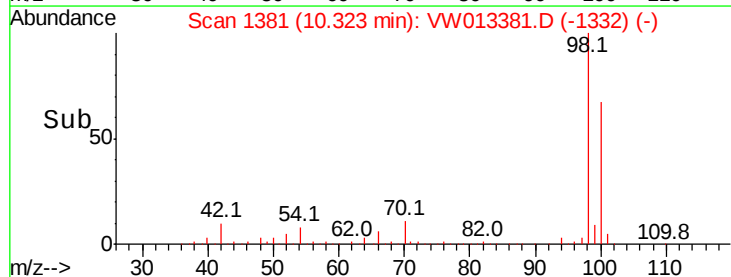
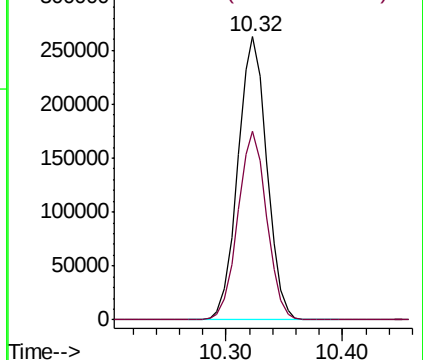
98 100

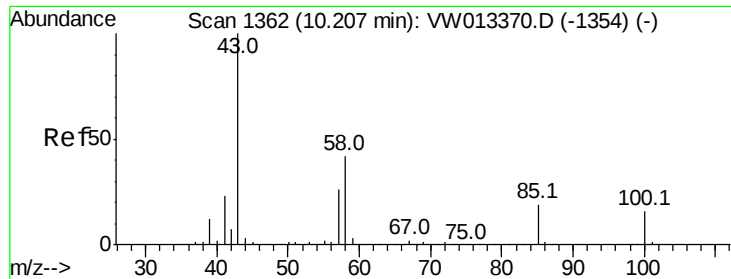
100 66.1 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.646 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013381.D

Acq: 02 Oct 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

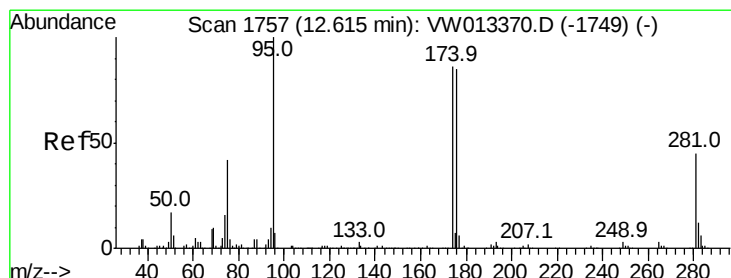
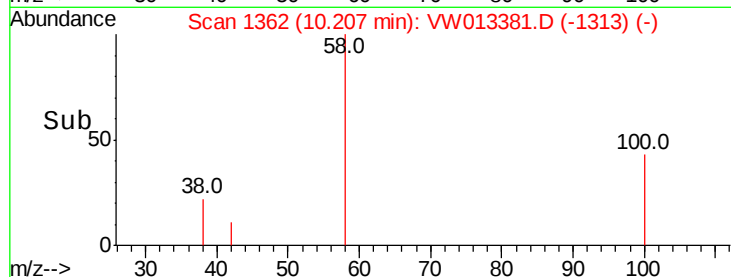
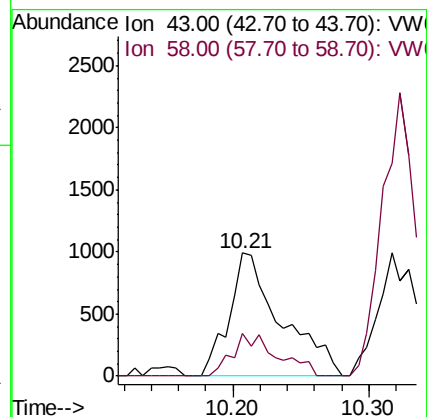
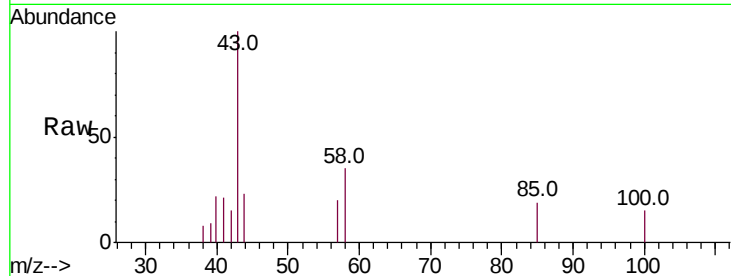
20190703-RR-COMPOSITE-3

Tot Ion: 43 Resp: 2648

Ion Ratio Lower Upper

43 100

58 29.6 31.7 47.5#



#62

4-Bromofluorobenzene

Concen: 48.435 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013381.D

Acq: 02 Oct 2019 16:29

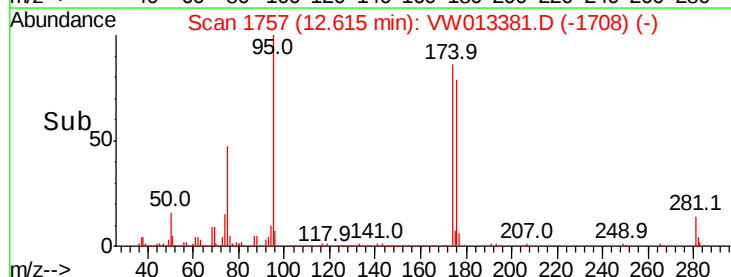
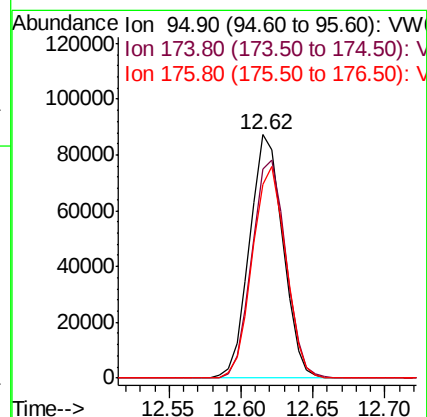
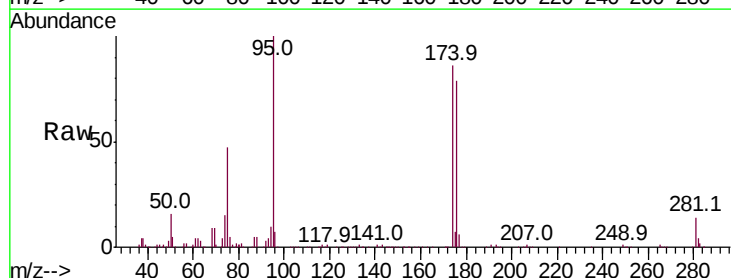
Tgt Ion: 95 Resp: 139750

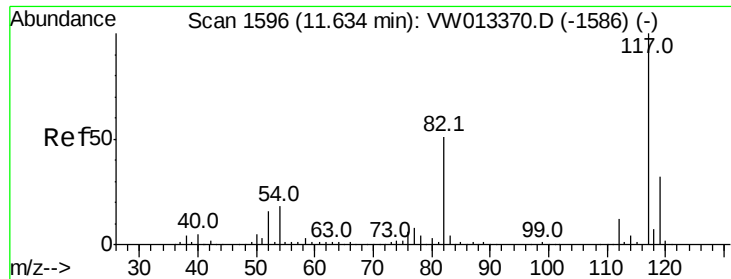
Ion Ratio Lower Upper

95 100

174 91.2 0.0 178.4

176 87.1 0.0 172.2

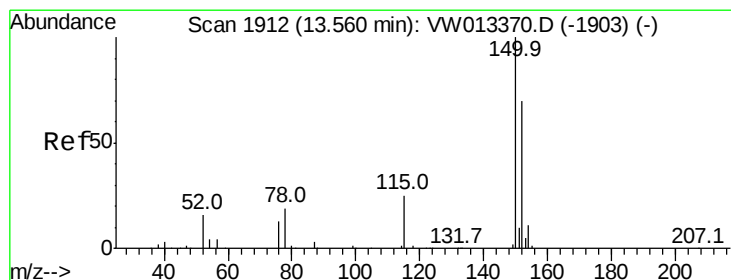
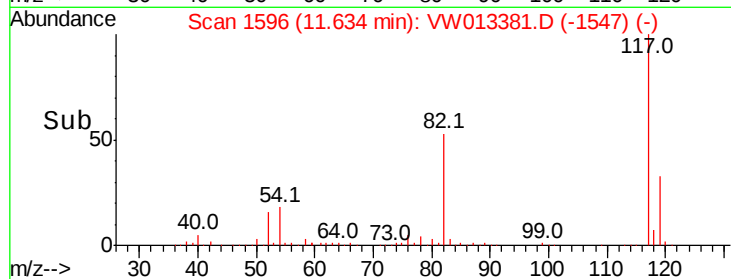
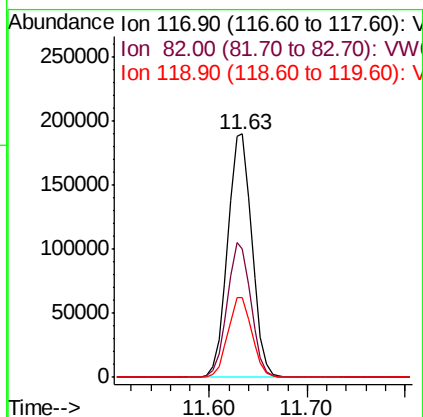
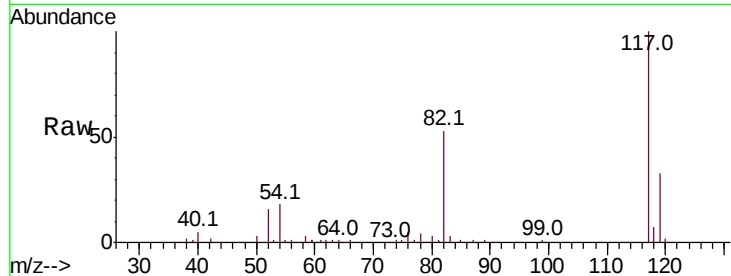




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW013381.D
Acq: 02 Oct 2019 16:29

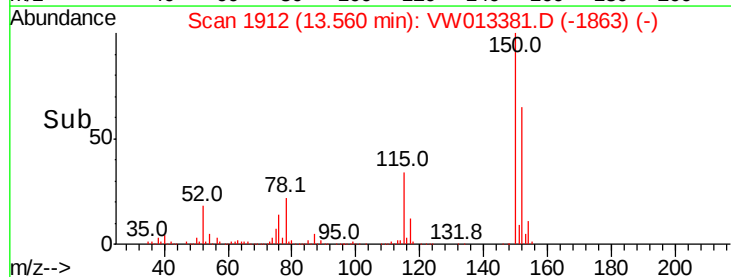
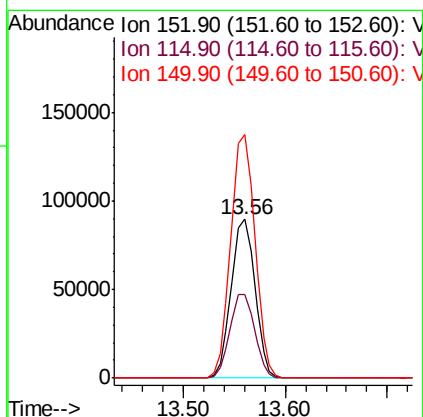
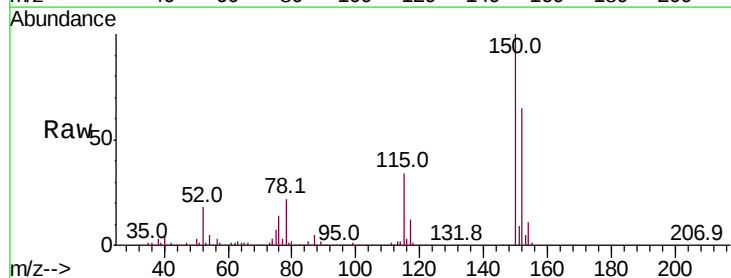
Instrument :
MSVOA_W
ClientSampleId :
20190703-RR-COMPOSITE-3

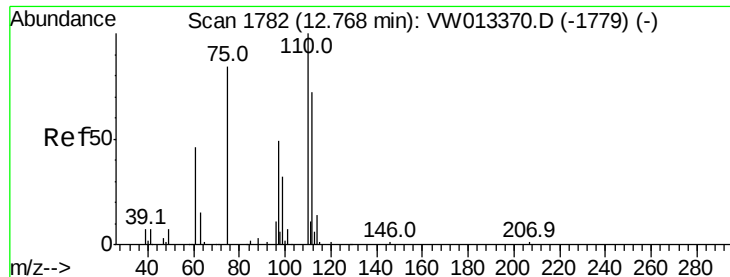
Tot Ion:117 Resp: 326359
Ion Ratio Lower Upper
117 100
82 52.6 45.9 68.9
119 32.7 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW013381.D
Acq: 02 Oct 2019 16:29

Tgt Ion:152 Resp: 145196
Ion Ratio Lower Upper
152 100
115 54.8 27.3 81.9
150 155.3 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 51.981 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013381.D

Acq: 02 Oct 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

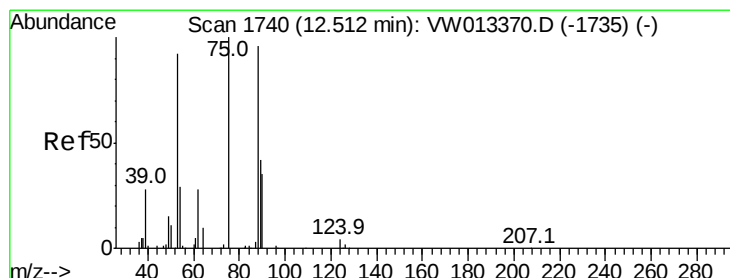
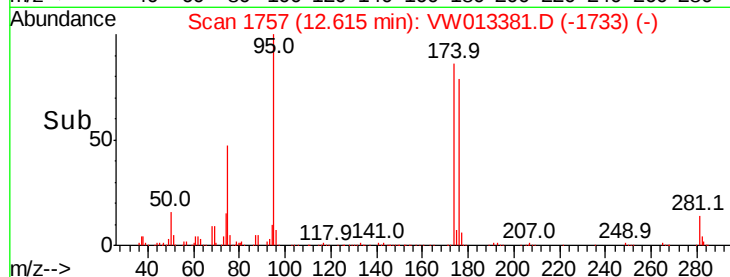
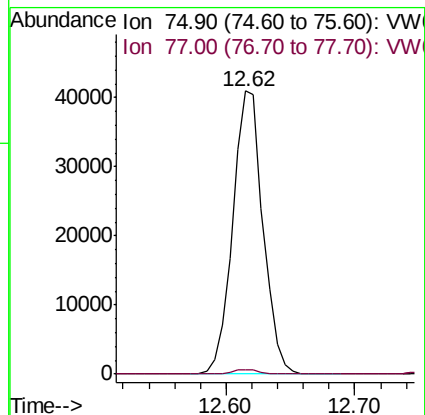
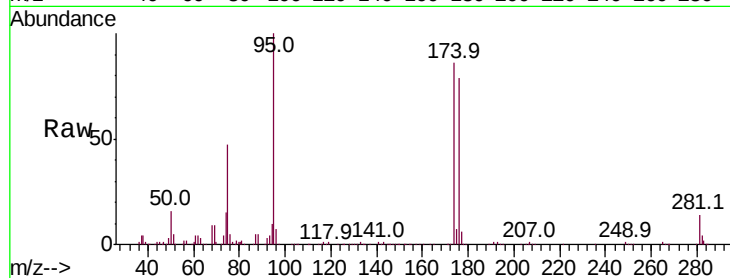
20190703-RR-COMPOSITE-3

Tot Ion: 75 Resp: 67079

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 105.452 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013381.D

Acq: 02 Oct 2019 16:29

Tgt Ion: 75 Resp: 67079

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

89 0.1 33.5 50.3#

