

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100719\
 Data File : VW013466.D
 Acq On : 07 Oct 2019 16:28
 Operator : SY/VA
 Sample : K5231-04
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 20190766-SS-COMPOSITE-6

Quant Time: Oct 07 17:55:01 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	319877	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	478279	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	404235	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	183131	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	128084	53.63	ug/l	0.00
Spiked Amount			Recovery	=	107.26%	
35) Dibromofluoromethane	7.88	113	132875	52.95	ug/l	0.00
Spiked Amount			Recovery	=	105.90%	
50) Toluene-d8	10.32	98	548262	52.64	ug/l	0.00
Spiked Amount			Recovery	=	105.28%	
62) 4-Bromofluorobenzene	12.62	95	176698	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	

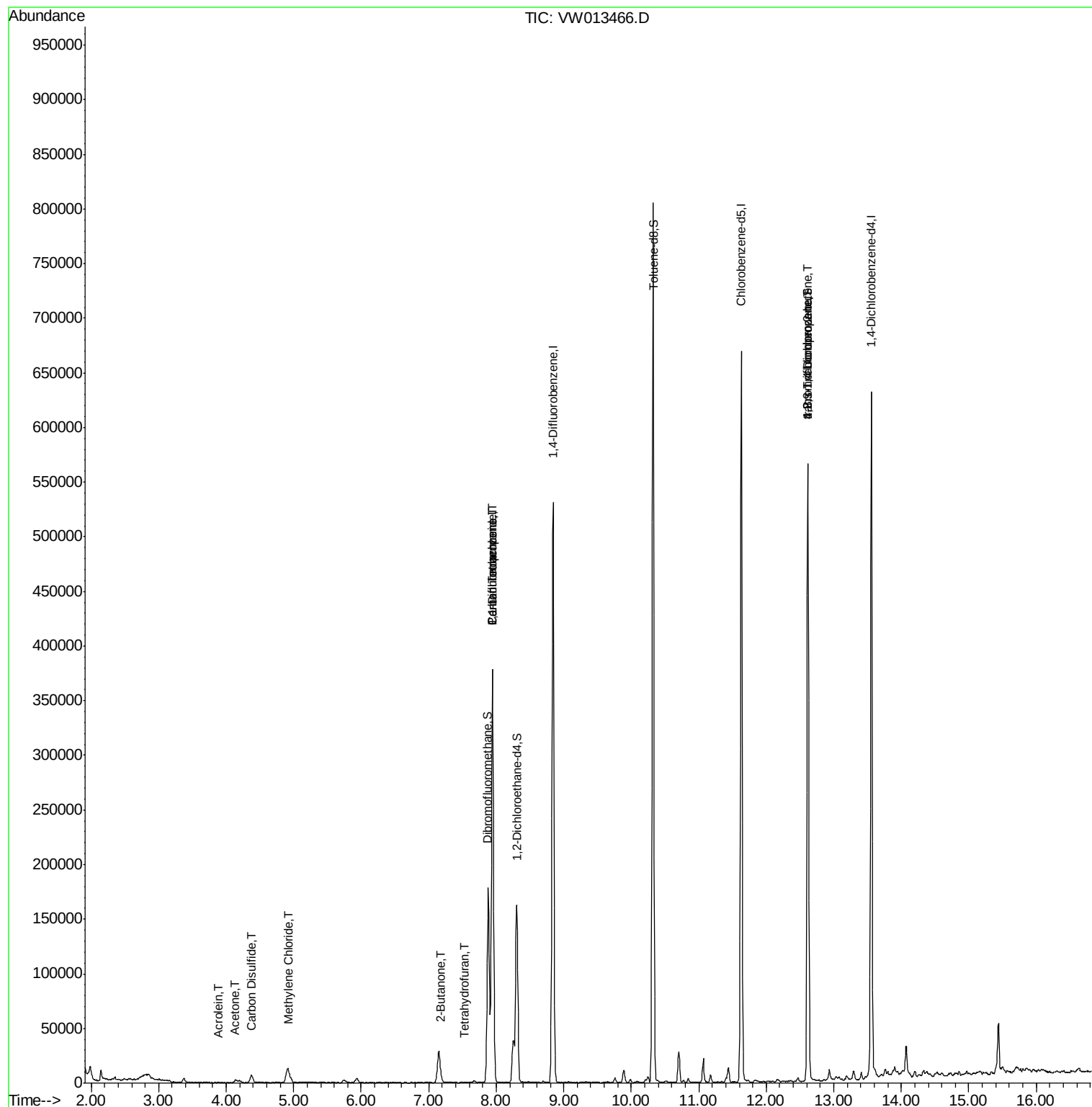
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	144	Below Cal	#	73
13) Acrolein	3.89	56	137	11.121	ug/l #	15
16) Acetone	4.14	43	5734	7.832	ug/l	98
17) Carbon Disulfide	4.37	76	15362	1.870	ug/l #	92
20) Methylene Chloride	4.92	84	11294	1.976	ug/l	90
25) 2-Butanone	7.18	43	1001	1.069	ug/l #	51
26) 2,2-Dichloropropane	7.14	77	2405	Below Cal	#	52
29) Tetrahydrofuran	7.52	42	27	9.741	ug/l #	34
36) 1,1-Dichloropropene	7.95	75	19933	4.487	ug/l #	48
38) Carbon Tetrachloride	7.95	117	26634	6.921	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	82112	50.449	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	82112	102.469	ug/l #	12

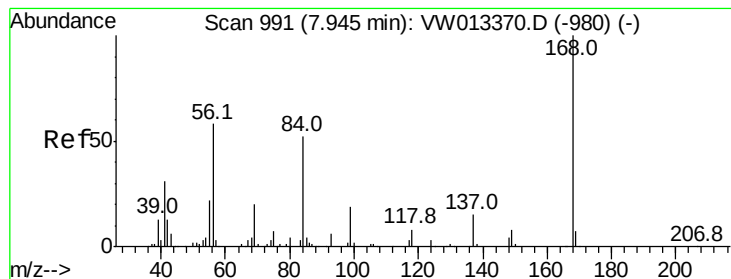
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013466.D

Acq: 07 Oct 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

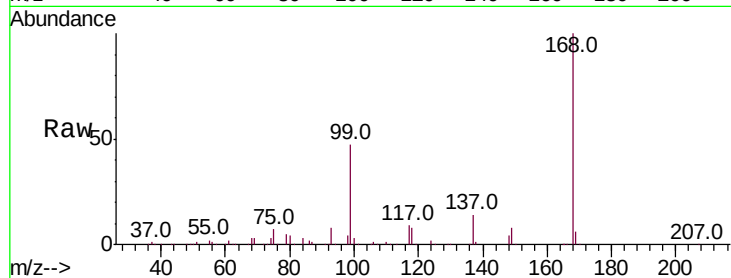
20190766-SS-COMPOSITE-6

Tot Ion:168 Resp: 319877

Ion Ratio Lower Upper

168 100

99 46.5 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

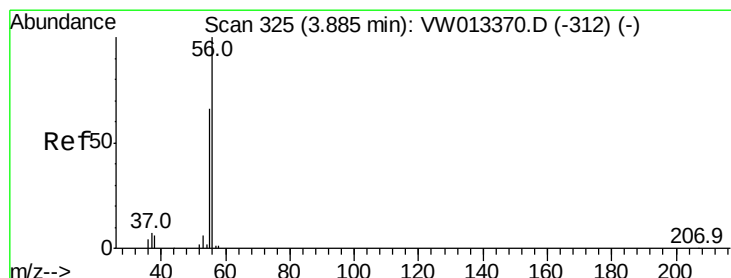
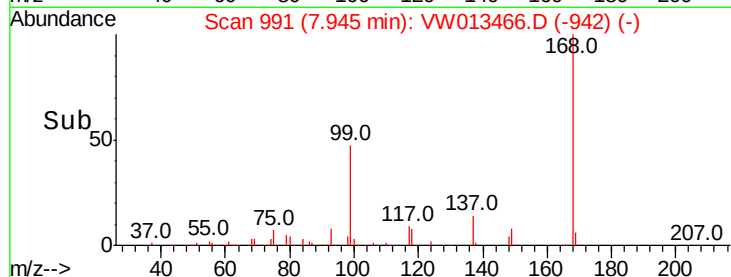
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#13

Acrolein

Concen: 11.121 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW013466.D

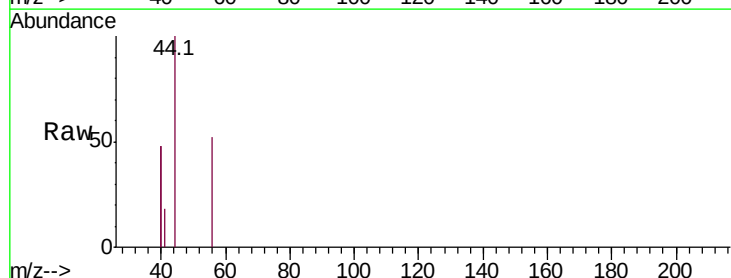
Acq: 07 Oct 2019 16:28

Tgt Ion: 56 Resp: 137

Ion Ratio Lower Upper

56 100

55 0.0 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

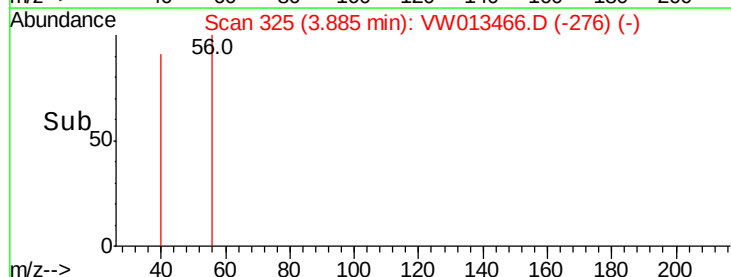
150

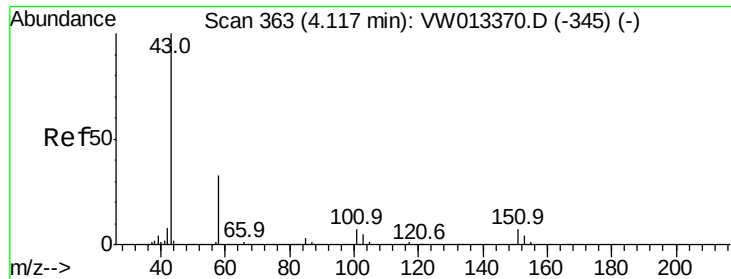
100

50

0

Time--> 3.86 3.88 3.90





#16

Acetone

Concen: 7.832 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW013466.D

Acq: 07 Oct 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

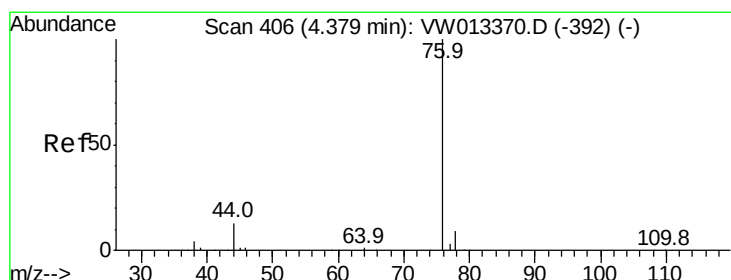
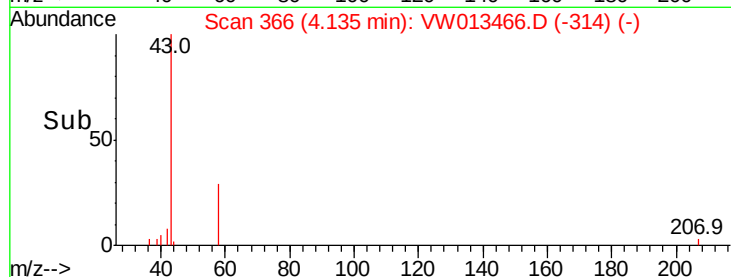
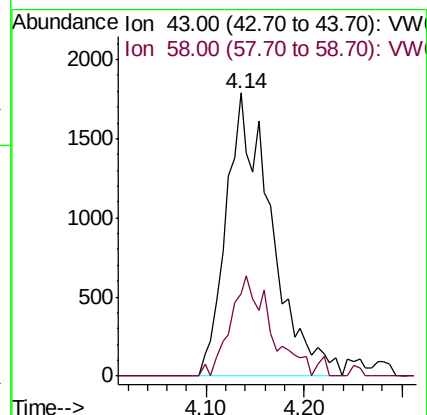
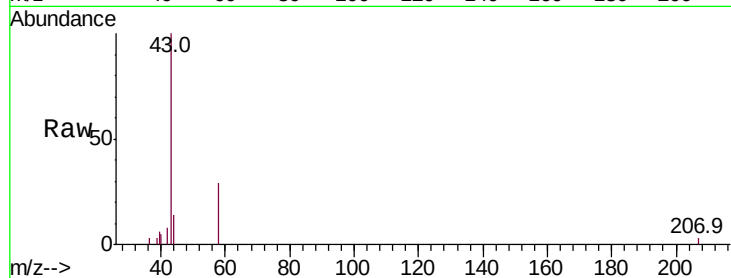
20190766-SS-COMPOSITE-6

Tot Ion: 43 Resp: 5734

Ion Ratio Lower Upper

43 100

58 29.0 24.1 36.1



#17

Carbon Disulfide

Concen: 1.870 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW013466.D

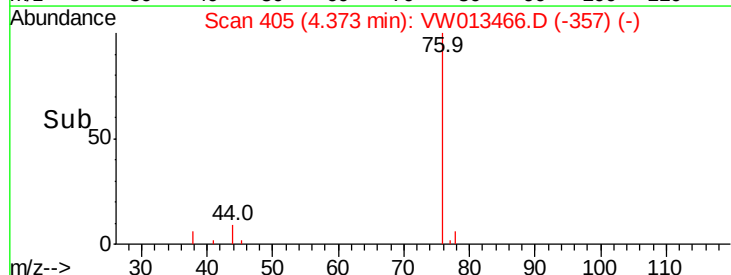
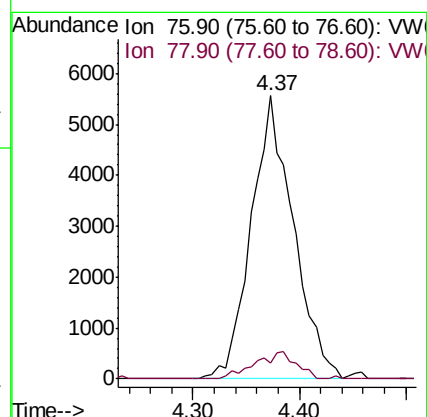
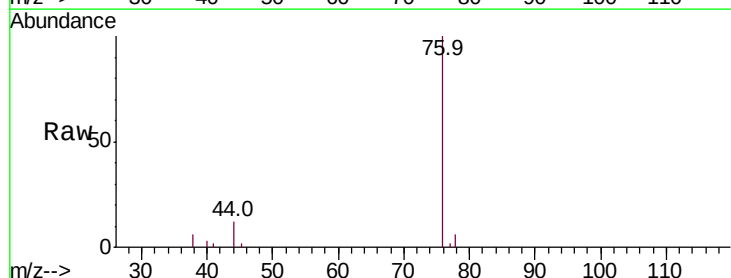
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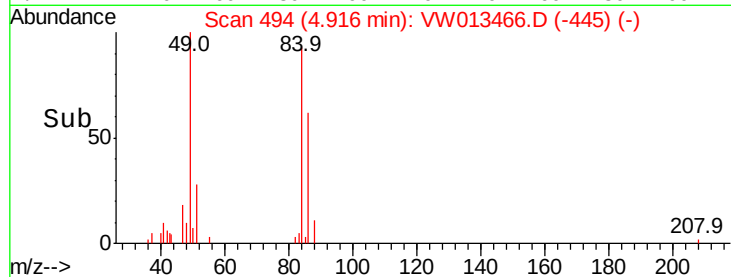
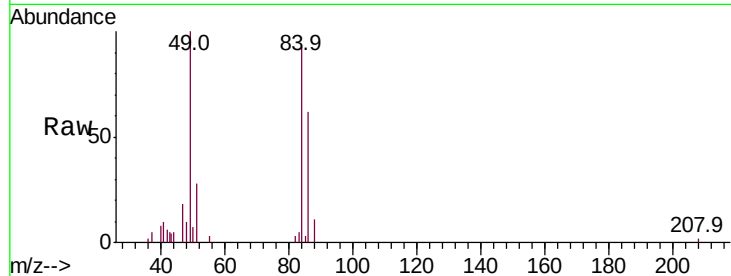
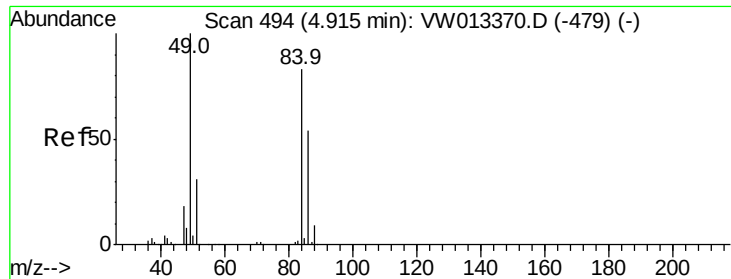
Tgt Ion: 76 Resp: 15362

Ion Ratio Lower Upper

76 100

78 5.7 7.0 10.4#

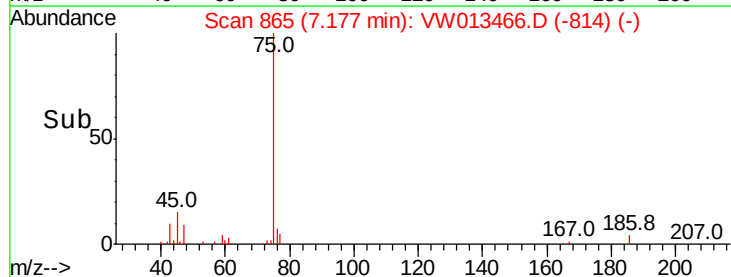
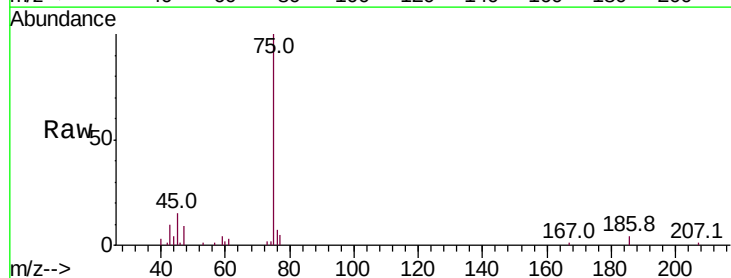
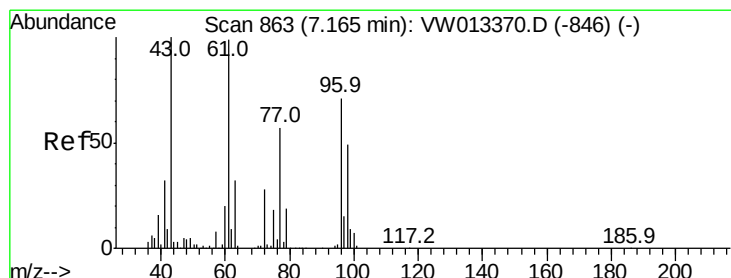
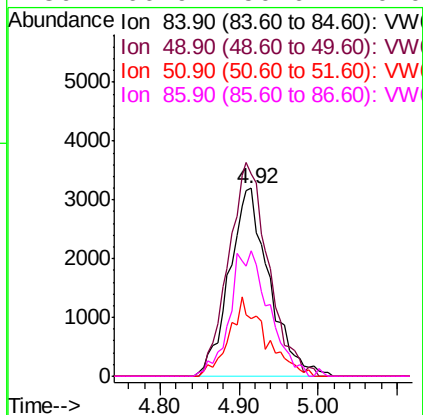




#20
Methylene Chloride
Concen: 1.976 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013466.D
Acq: 07 Oct 2019 16:28

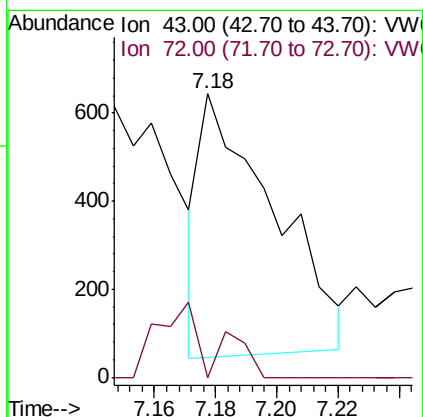
Instrument :
MSVOA_W
ClientSampleId :
20190766-SS-COMPOSITE-6

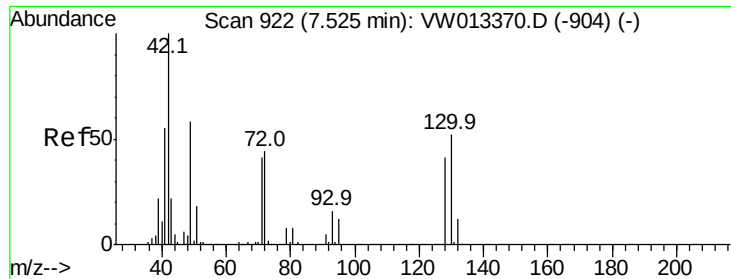
Tot Ion: 84 Resp: 11294
Ion Ratio Lower Upper
84 100
49 107.8 97.6 146.4
51 30.4 30.2 45.2
86 66.9 50.6 76.0



#25
2-Butanone
Concen: 1.069 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW013466.D
Acq: 07 Oct 2019 16:28

Tgt Ion: 43 Resp: 1001
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.0#

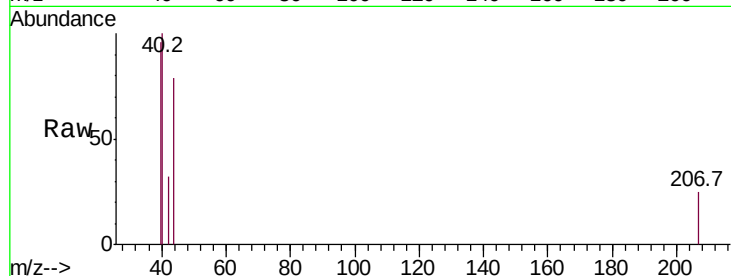




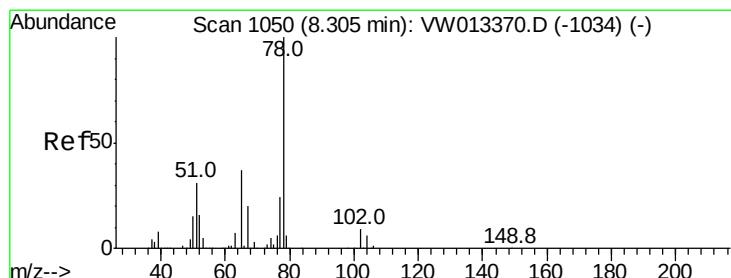
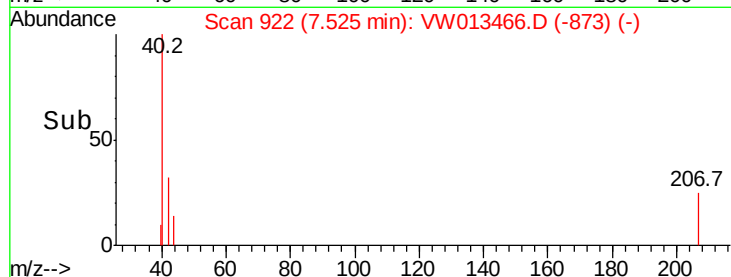
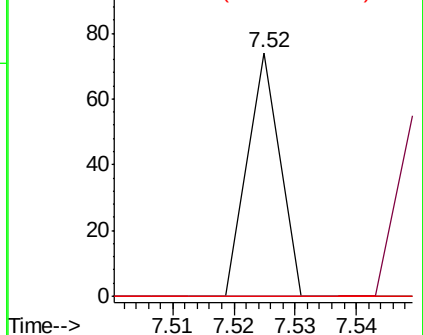
#29
Tetrahydrofuran
Concen: 9.741 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW013466.D
Acq: 07 Oct 2019 16:28

Instrument :
MSVOA_W
ClientSampleId :
20190766-SS-COMPOSITE-6

Tot Ion: 42 Resp: 27
Ion Ratio Lower Upper
42 100
72 0.0 33.9 50.9#
71 0.0 31.9 47.9#

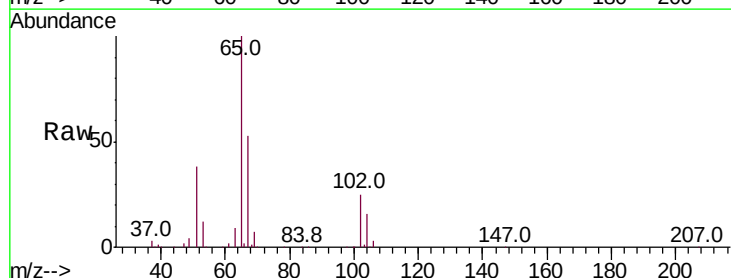


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

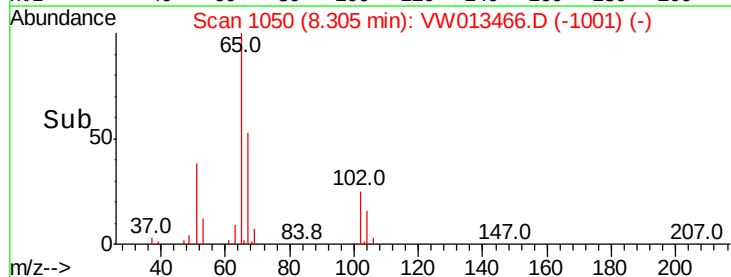
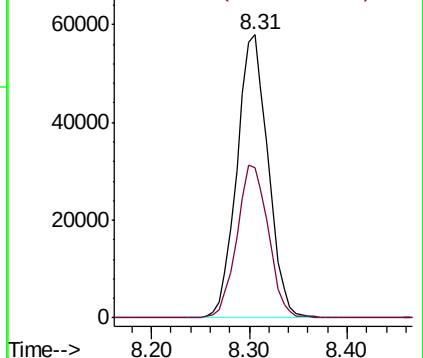


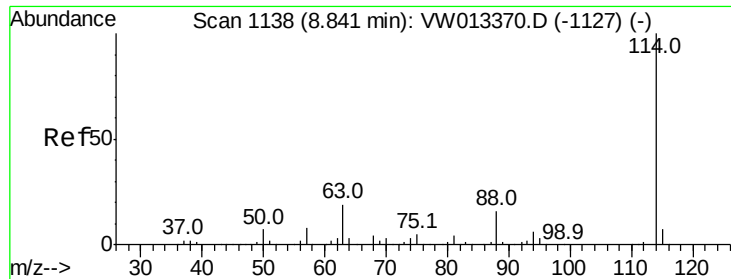
#33
1,2-Dichloroethane-d4
Concen: 53.627 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW013466.D
Acq: 07 Oct 2019 16:28

Tgt Ion: 65 Resp: 128084
Ion Ratio Lower Upper
65 100
67 54.6 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

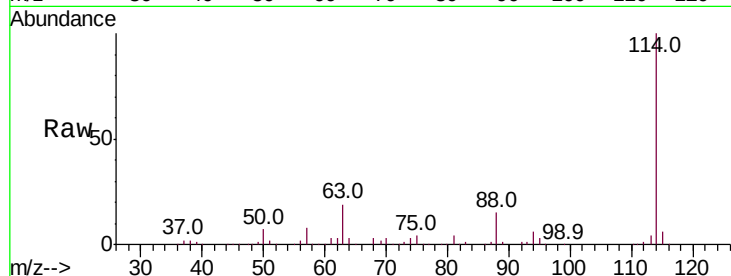




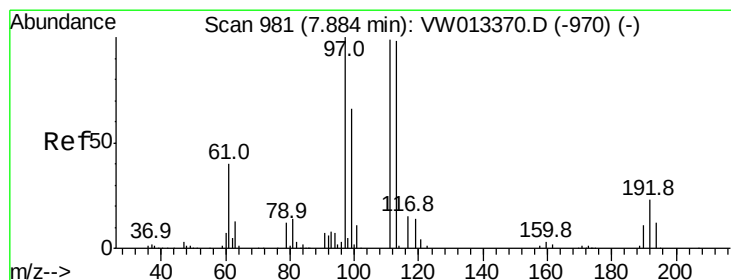
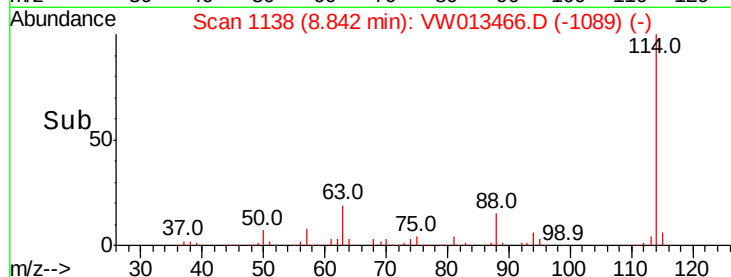
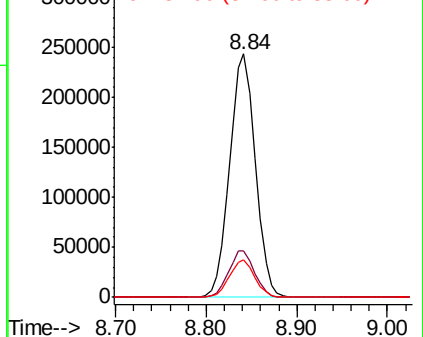
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013466.D
 Acq: 07 Oct 2019 16:28

Instrument :
 MSVOA_W
 ClientSampleId :
 20190766-SS-COMPOSITE-6

Tot Ion:114 Resp: 478279
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 41.4
 88 15.3 0.0 32.0

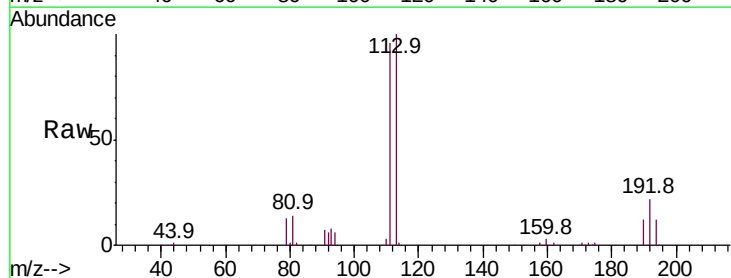


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

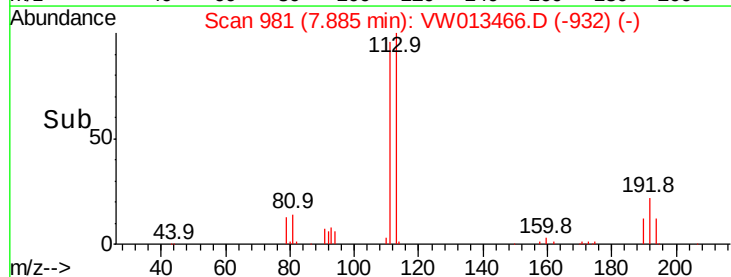
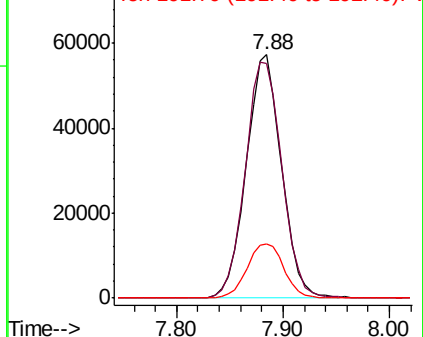


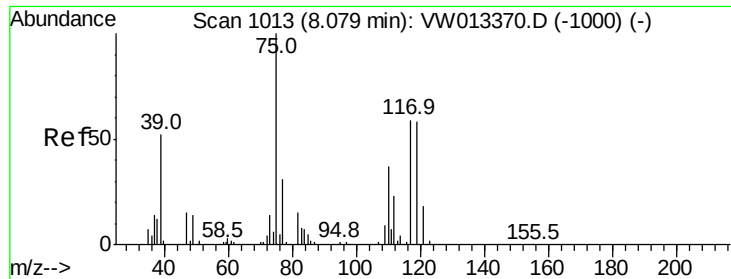
#35
 Dibromofluoromethane
 Concen: 52.946 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW013466.D
 Acq: 07 Oct 2019 16:28

Tgt Ion:113 Resp: 132875
 Ion Ratio Lower Upper
 113 100
 111 101.2 81.9 122.9
 192 23.4 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

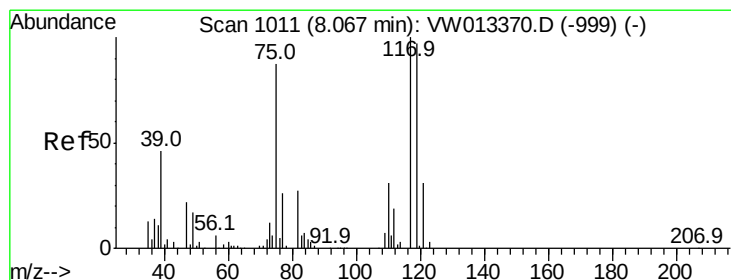
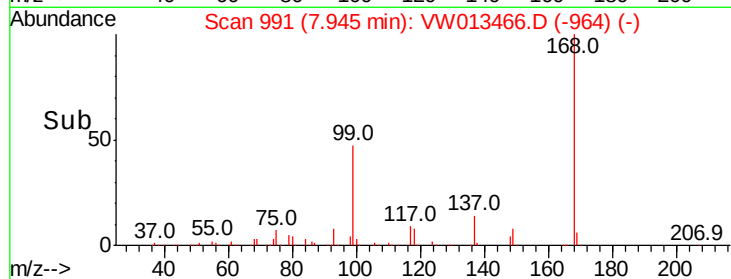
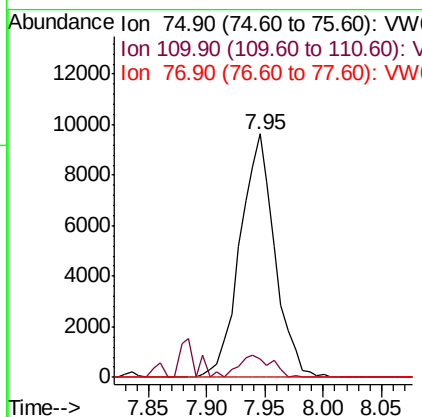
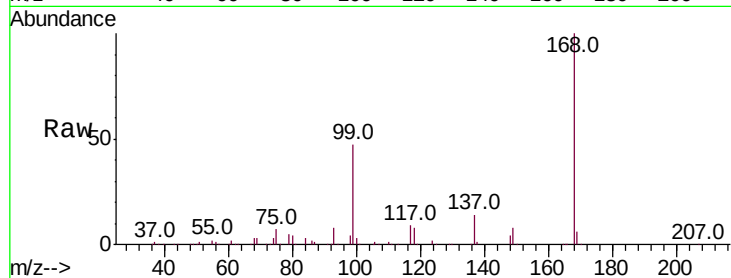




#36
 1,1-Dichloropropene
 Concen: 4.487 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013466.D
 Acq: 07 Oct 2019 16:28

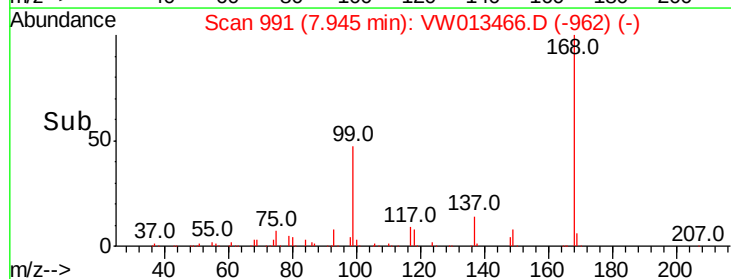
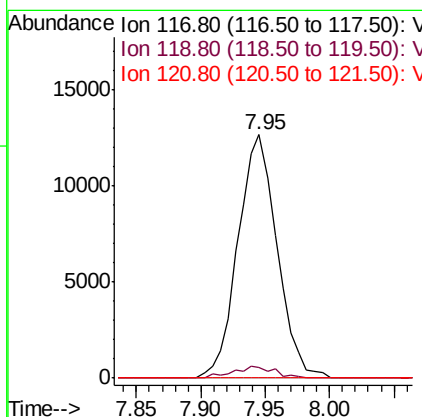
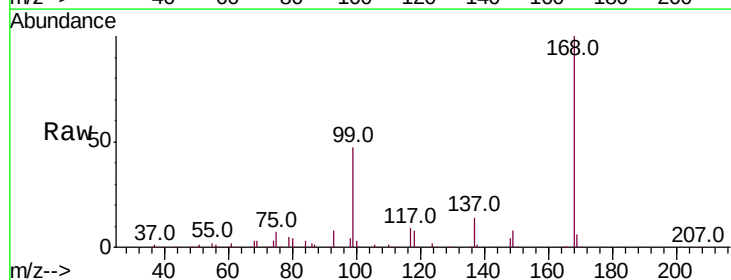
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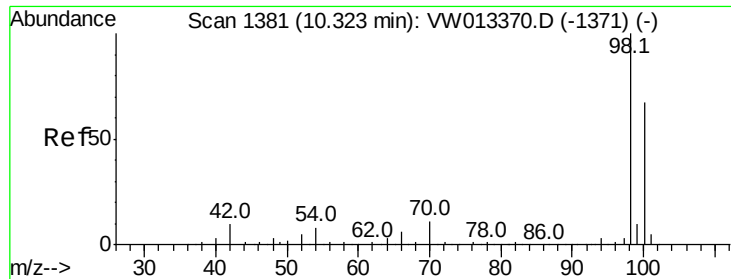
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.1	54.3#
77	0.0	25.8	38.6#



#38
 Carbon Tetrachloride
 Concen: 6.921 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013466.D
 Acq: 07 Oct 2019 16:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.2	73.5	110.3#
121	0.0	25.0	37.6#





#50

Toluene-d8

Concen: 52.644 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013466.D

Acq: 07 Oct 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

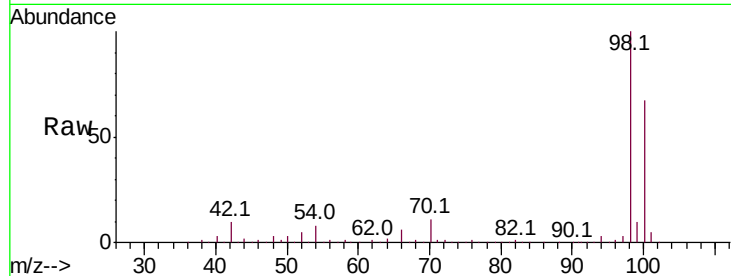
20190766-SS-COMPOSITE-6

Tot Ion: 98 Resp: 548262

Ion Ratio Lower Upper

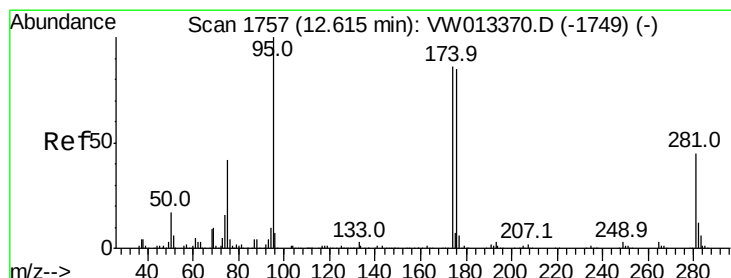
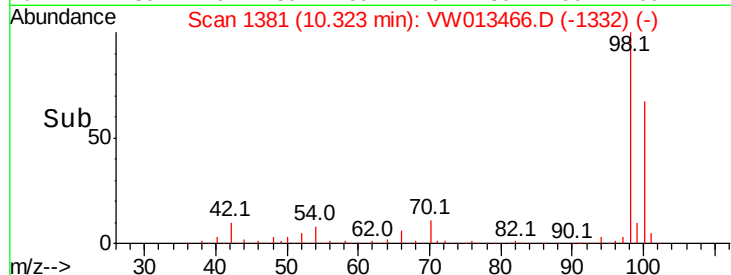
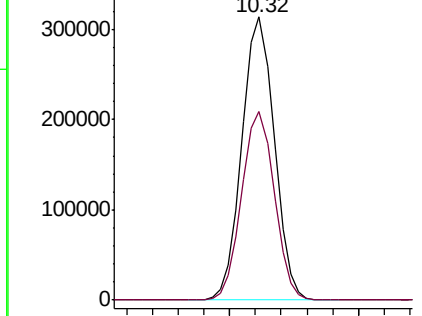
98 100

100 67.0 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: 50.807 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013466.D

Acq: 07 Oct 2019 16:28

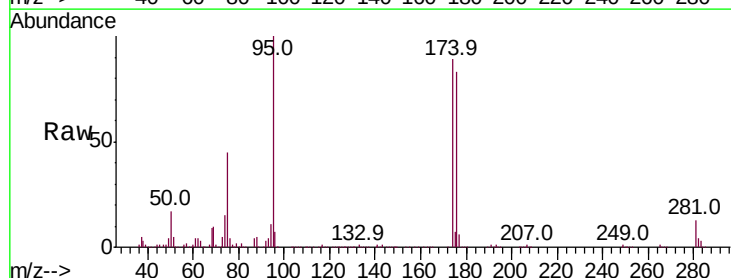
Tgt Ion: 95 Resp: 176698

Ion Ratio Lower Upper

95 100

174 91.4 0.0 178.4

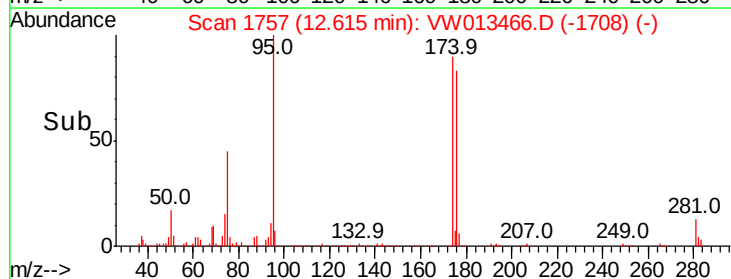
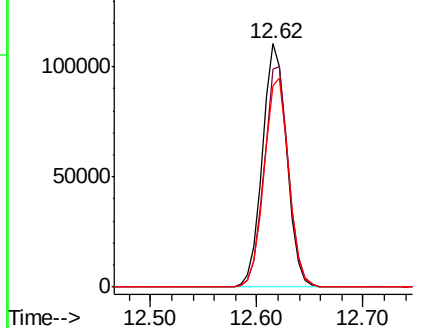
176 87.5 0.0 172.2

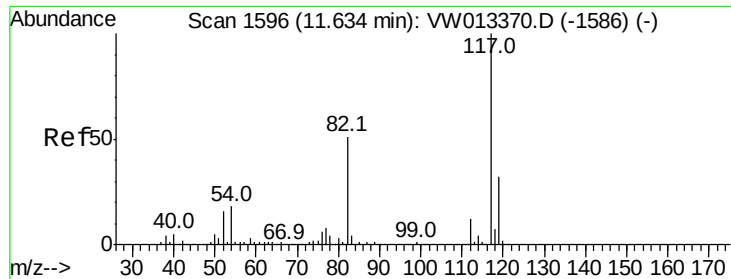


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW

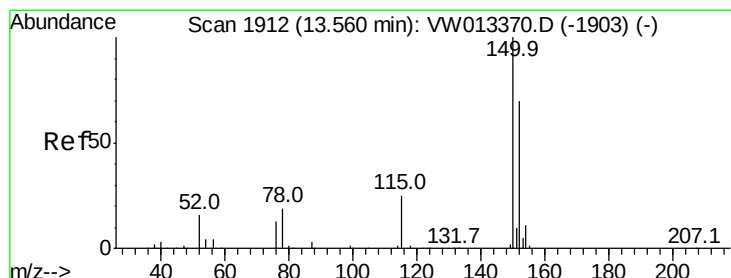
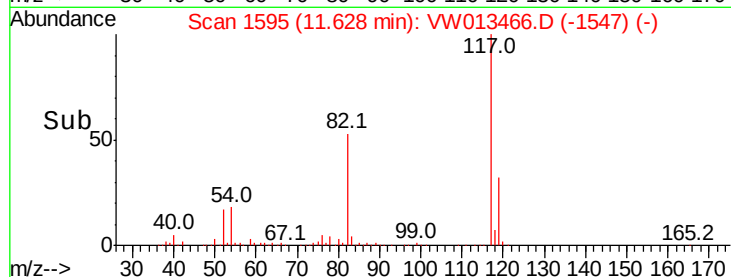
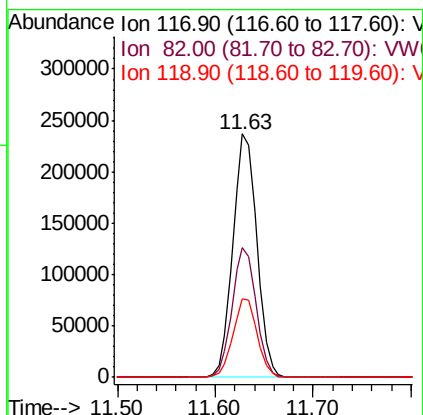
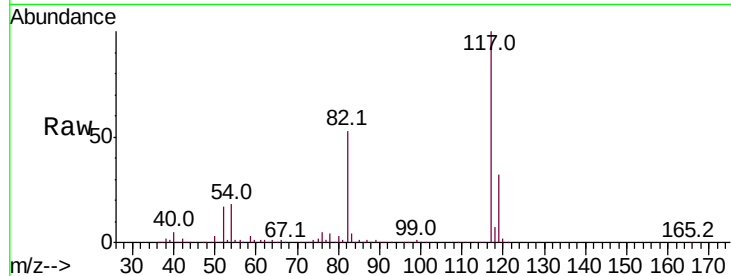




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013466.D
Acq: 07 Oct 2019 16:28

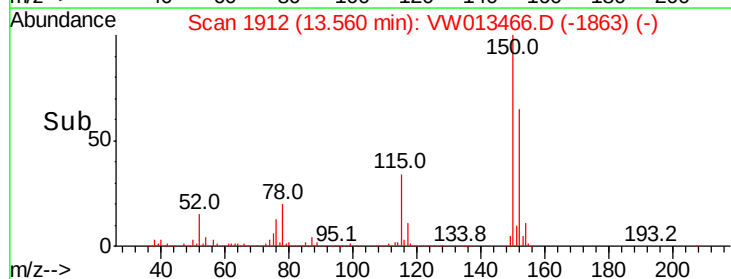
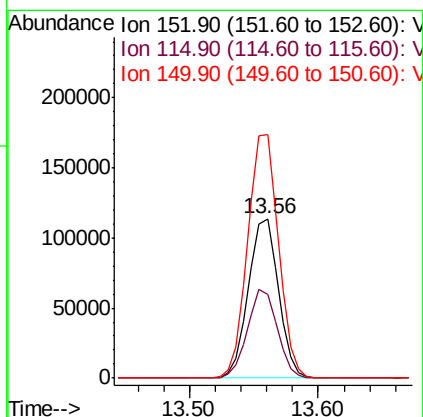
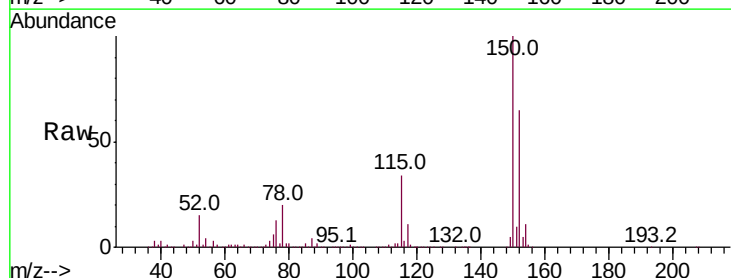
Instrument :
MSVOA_W
ClientSampleId :
20190766-SS-COMPOSITE-6

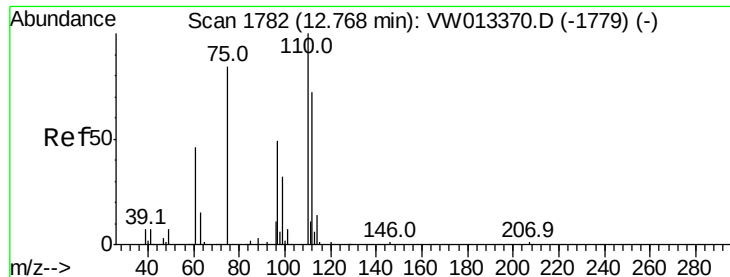
Tot Ion:117 Resp: 404235
Ion Ratio Lower Upper
117 100
82 53.1 45.9 68.9
119 32.1 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW013466.D
Acq: 07 Oct 2019 16:28

Tgt Ion:152 Resp: 183131
Ion Ratio Lower Upper
152 100
115 54.5 27.3 81.9
150 156.0 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 50.449 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013466.D

Acq: 07 Oct 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

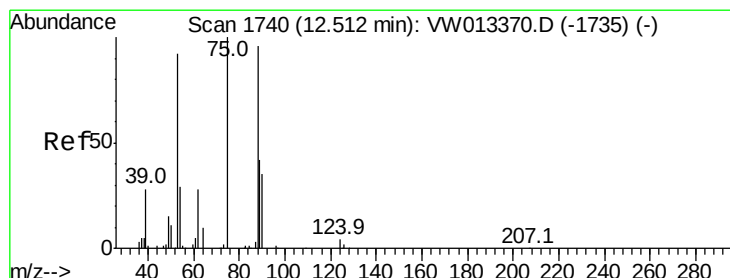
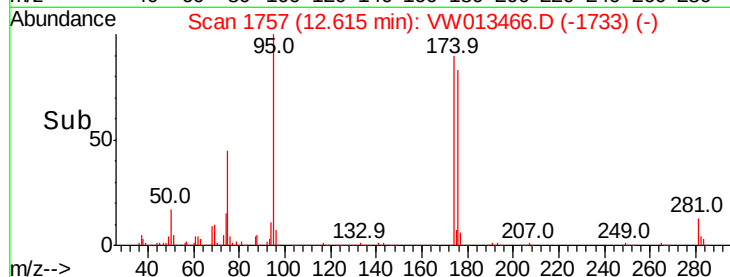
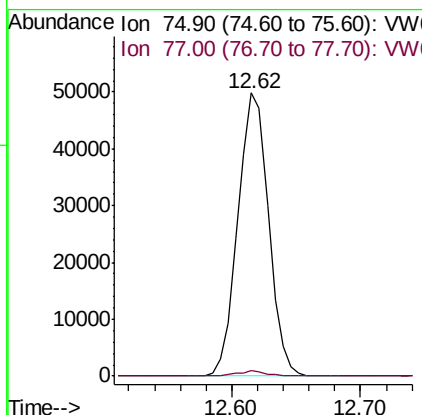
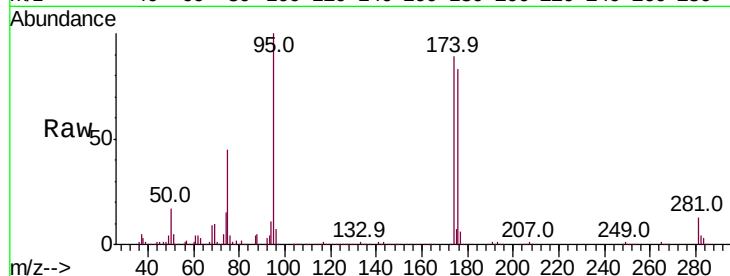
20190766-SS-COMPOSITE-6

Tot Ion: 75 Resp: 82112

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 102.469 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013466.D

Acq: 07 Oct 2019 16:28

Tgt Ion: 75 Resp: 82112

Ion Ratio Lower Upper

75 100

53 0.4 76.6 114.8#

89 0.2 33.5 50.3#

