

Data File : VW013122.D
Acq On : 18 Sep 2019 19:03
Operator : SY/VA
Sample : K4942-01
Misc : 4.45G/5ML/MSVOA_W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-1

Quant Time: Sep 19 07:57:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 13 17:26:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	337479	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	510606	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	399150	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	148039	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	155804	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
35) Dibromofluoromethane	7.88	113	144322	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
50) Toluene-d8	10.32	98	578771	53.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.76%	
62) 4-Bromofluorobenzene	12.62	95	165097	42.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.70%	

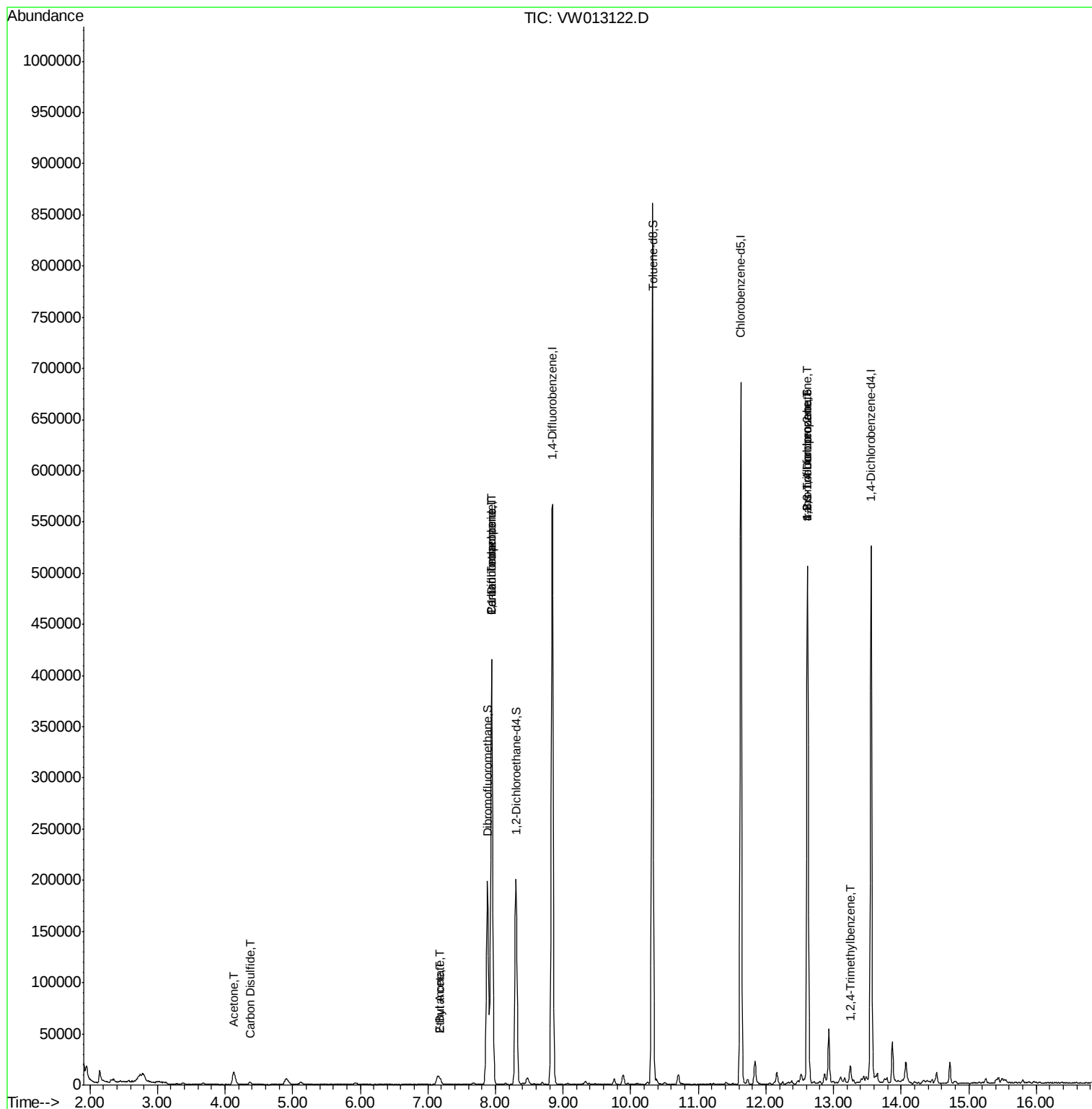
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.01	85	68	Below Cal	#	44
3) Chloromethane	2.20	50	205	Below Cal	#	81
11) Tert butyl alcohol	5.18	59	472	Below Cal	#	72
13) Acrolein	3.82	56	47	Below Cal	#	75
16) Acetone	4.13	43	24251	17.692	ug/l	95
17) Carbon Disulfide	4.38	76	5728	1.234	ug/l #	76
20) Methylene Chloride	4.91	84	5098	Below Cal		90
25) 2-Butanone	7.18	43	8277	8.351	ug/l	99
26) 2,2-Dichloropropane	7.13	77	338	Below Cal	#	55
31) Cyclohexane	7.95	56	6335	Below Cal	#	1
36) 1,1-Dichloropropene	7.95	75	22393	5.488	ug/l #	51
37) Ethyl Acetate	7.18	43	8277	3.822	ug/l #	71
38) Carbon Tetrachloride	7.95	117	29442	7.041	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	79094	60.996	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	79094	138.369	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.25	105	10035	1.223	ug/l	98

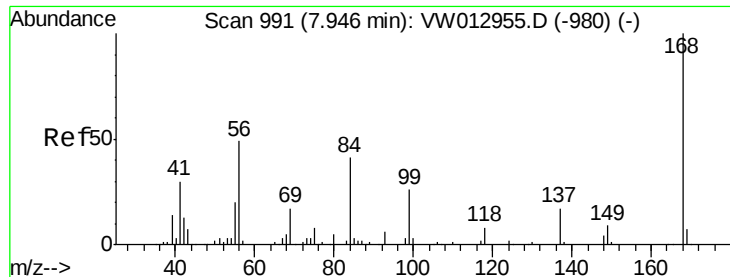
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW013122.D
Acq On : 18 Sep 2019 19:03
Operator : SY/VA
Sample : K4942-01
Misc : 4.45G/5ML/MSVOA_W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-1

Quant Time: Sep 19 07:57:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 13 17:26:01 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: VW013122.D

Acq: 18 Sep 2019 19:03

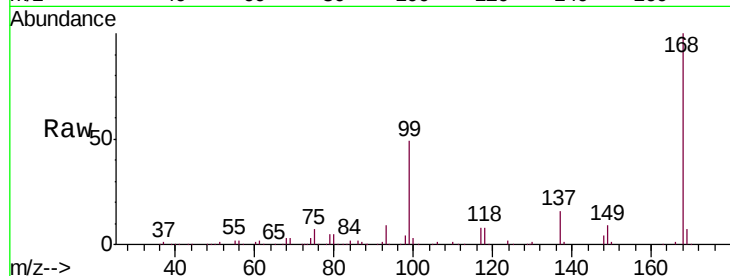
Instrument :
MSVOA_W
ClientSampled :
TP-1

Tgt Ion:168 Resp: 337479

Ion Ratio Lower Upper

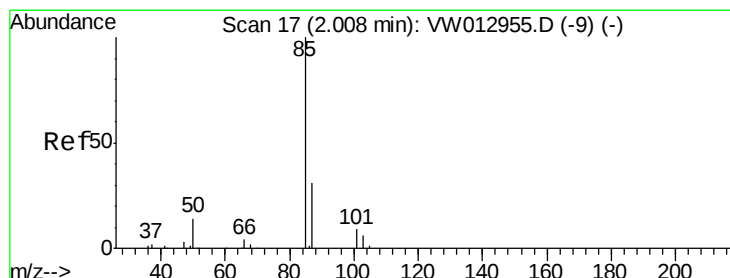
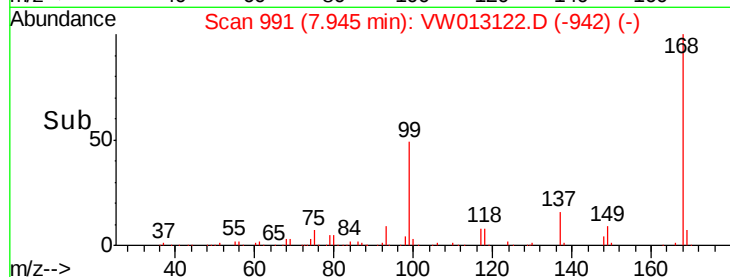
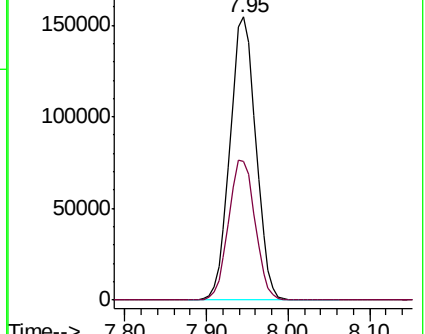
168 100

99 49.0 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013122.D

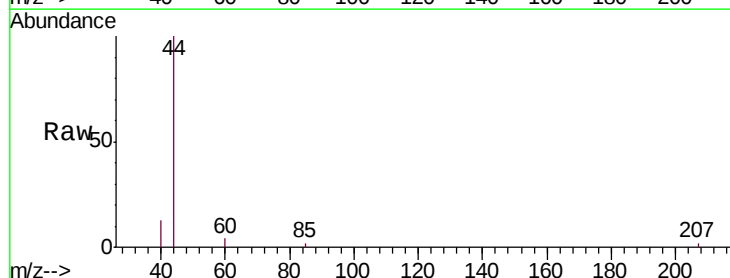
Acq: 18 Sep 2019 19:03

Tgt Ion: 85 Resp: 68

Ion Ratio Lower Upper

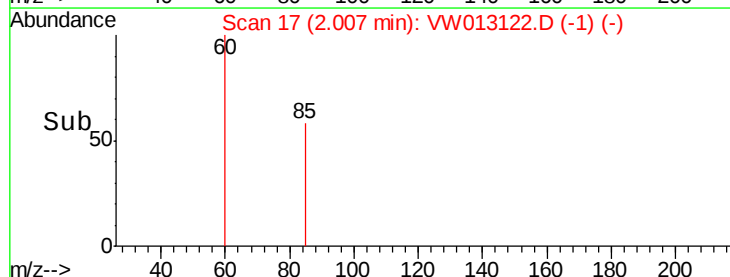
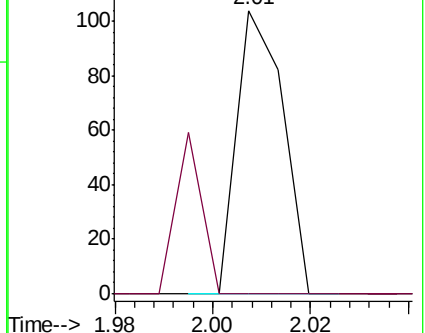
85 100

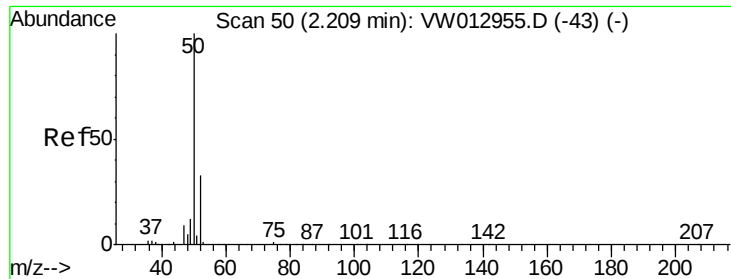
87 0.0 15.4 46.4#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013122.D

Acq: 18 Sep 2019 19:03

Instrument :

MSVOA_W

ClientSampled :

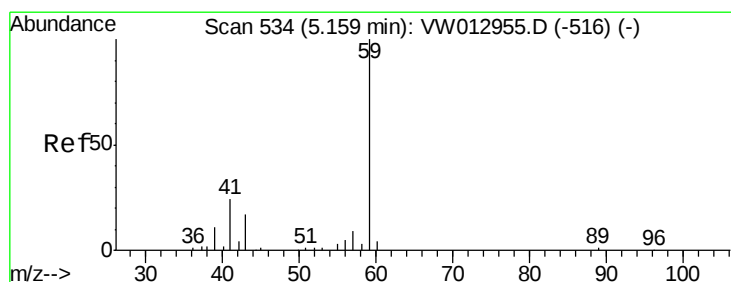
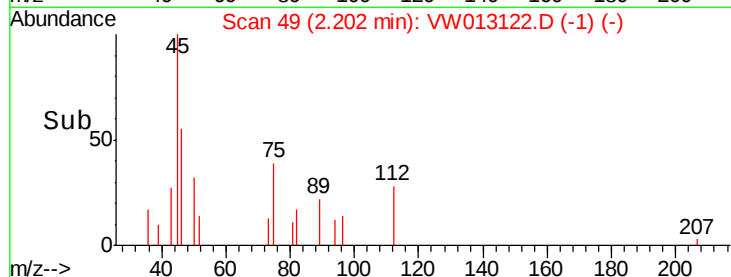
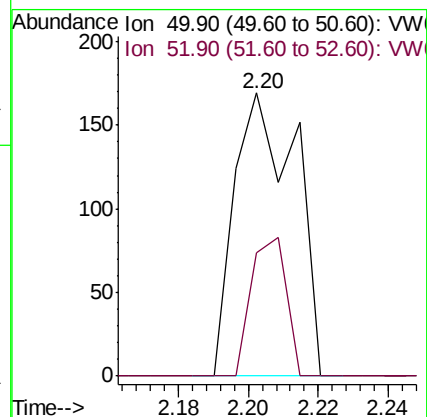
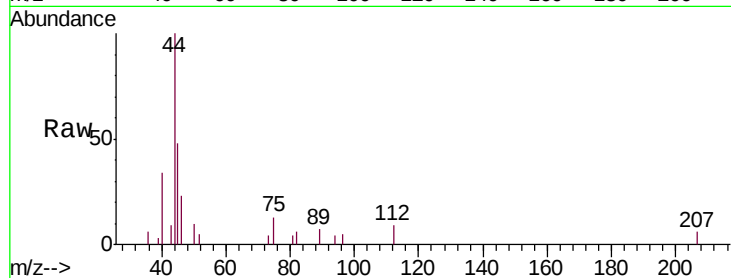
TP-1

Tgt Ion: 50 Resp: 205

Ion Ratio Lower Upper

50 100

52 43.8 26.6 39.8#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 538

Delta R.T. 0.02 min

Lab File: VW013122.D

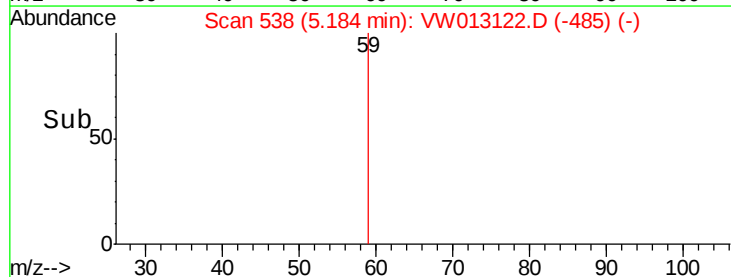
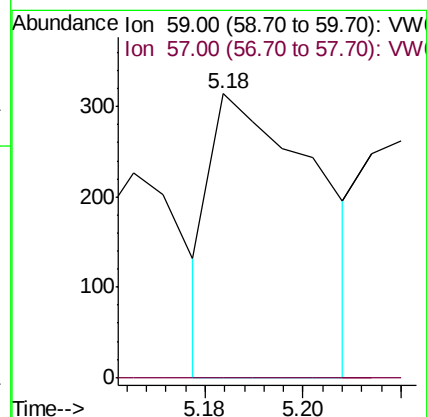
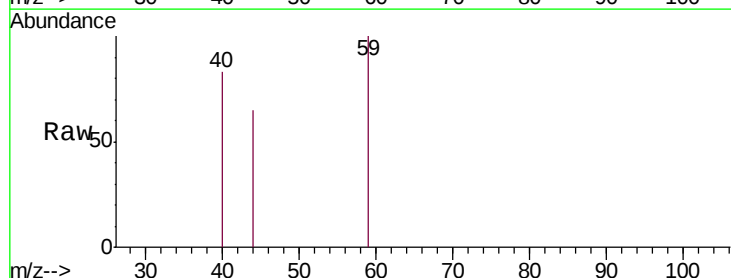
Acq: 18 Sep 2019 19:03

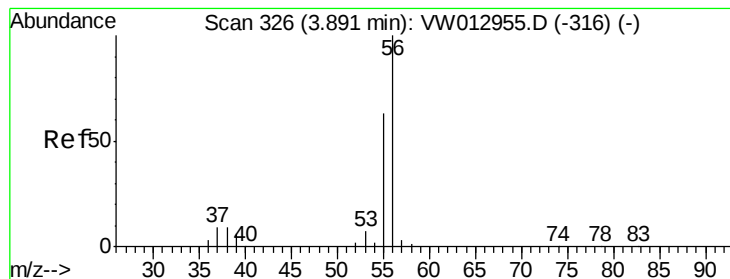
Tgt Ion: 59 Resp: 472

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





#13

Acrolein

Concen: Below Cal

RT: 3.82 min Scan# 314

Delta R.T. -0.07 min

Lab File: VW013122.D

Acq: 18 Sep 2019 19:03

Instrument :

MSVOA_W

ClientSampled :

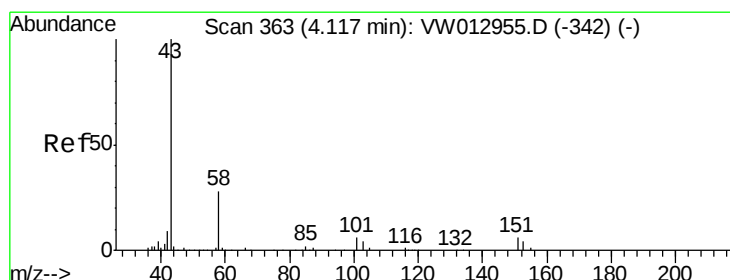
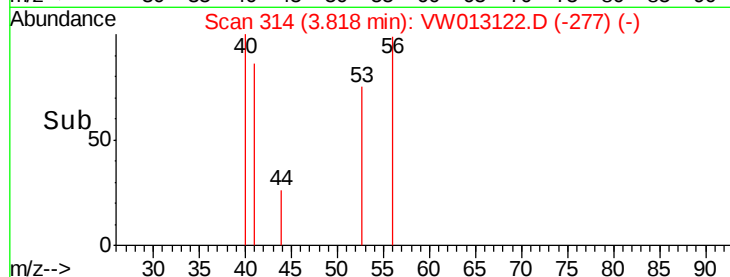
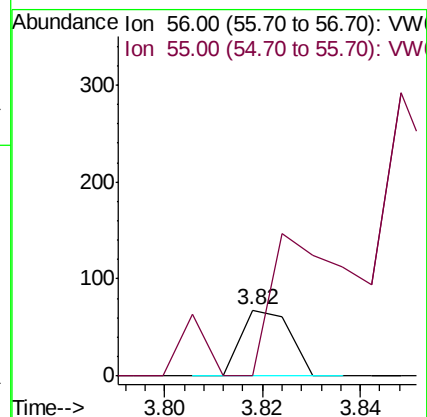
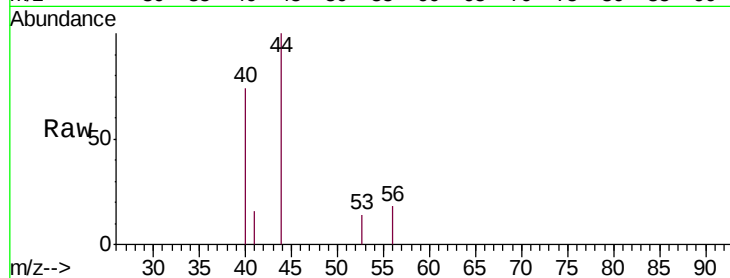
TP-1

Tgt Ion: 56 Resp: 47

Ion Ratio Lower Upper

56 100

55 48.9 55.8 83.8#



#16

Acetone

Concen: 17.692 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW013122.D

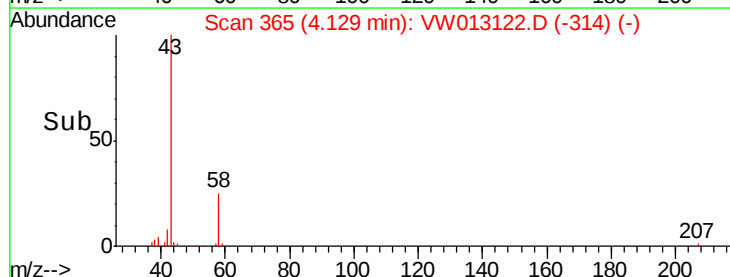
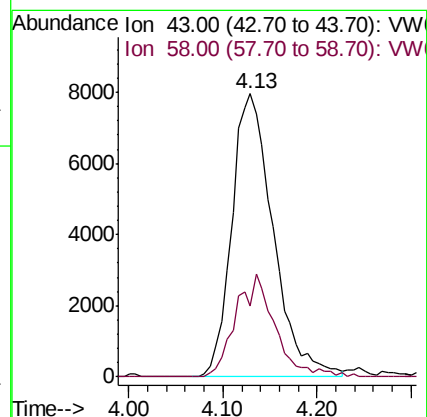
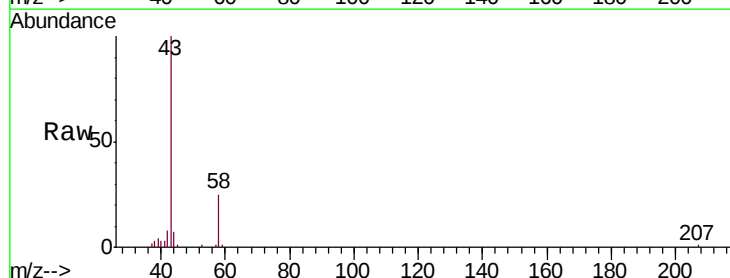
Acq: 18 Sep 2019 19:03

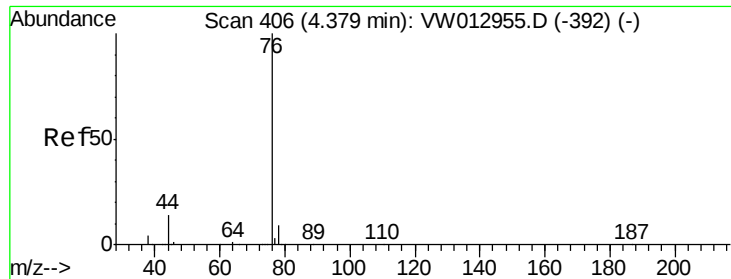
Tgt Ion: 43 Resp: 24251

Ion Ratio Lower Upper

43 100

58 25.2 22.3 33.5





#17

Carbon Disulfide

Concen: 1.234 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013122.D

Acq: 18 Sep 2019 19:03

Instrument :

MSVOA_W

ClientSampleId :

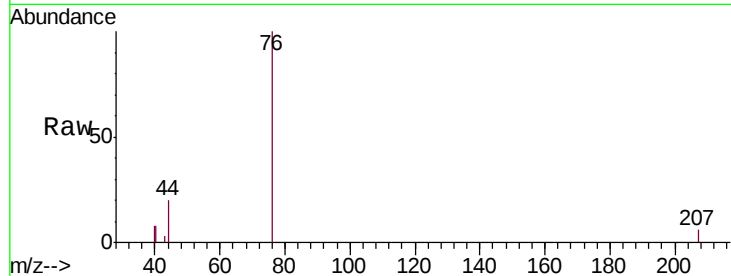
TP-1

Tgt Ion: 76 Resp: 5728

Ion Ratio Lower Upper

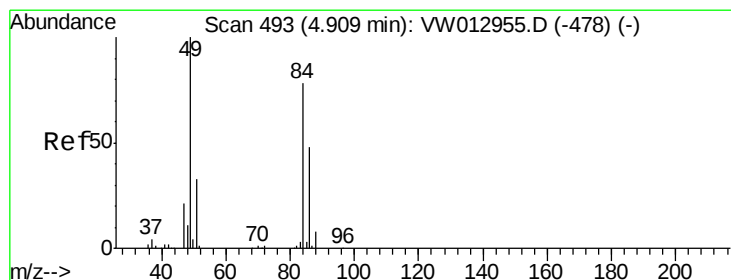
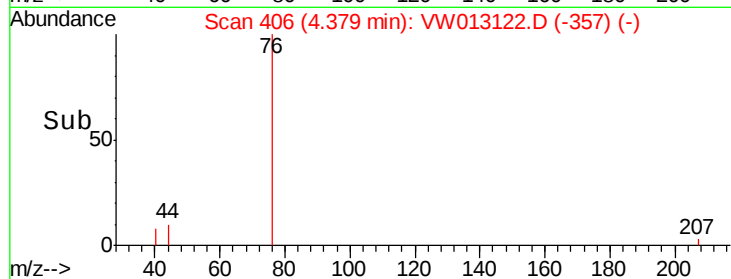
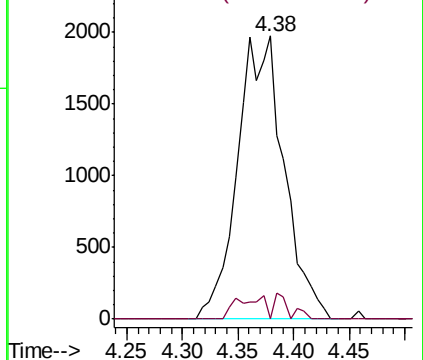
76 100

78 0.0 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: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW013122.D

Acq: 18 Sep 2019 19:03

Tgt Ion: 84 Resp: 5098

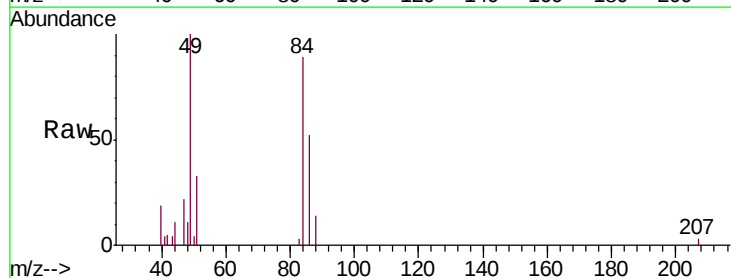
Ion Ratio Lower Upper

84 100

49 112.3 102.0 153.0

51 36.7 34.0 51.0

86 57.9 48.5 72.7

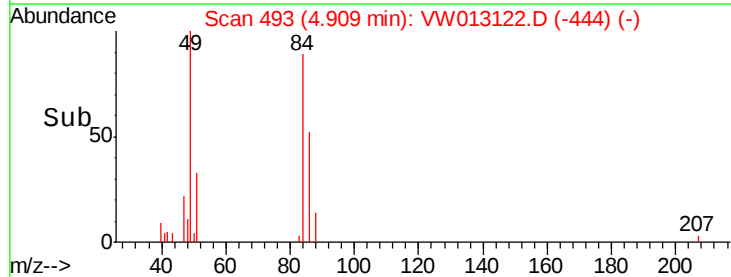
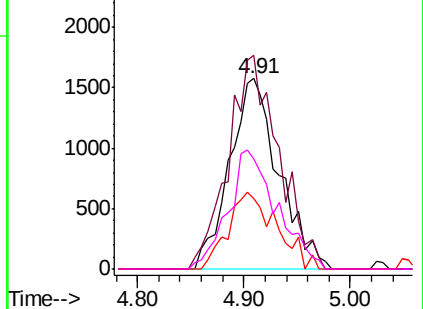


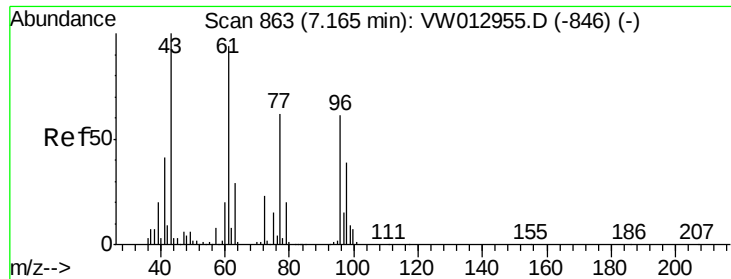
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 8.351 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW013122.D

Acq: 18 Sep 2019 19:03

Instrument :

MSVOA_W

ClientSampleId :

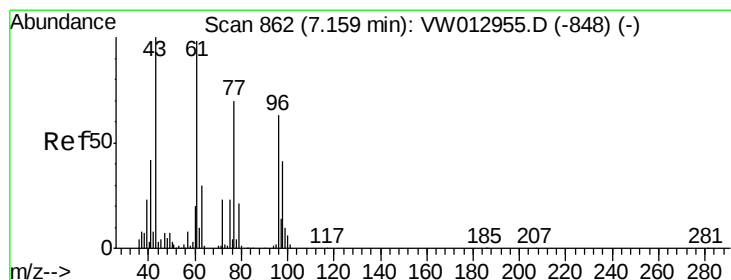
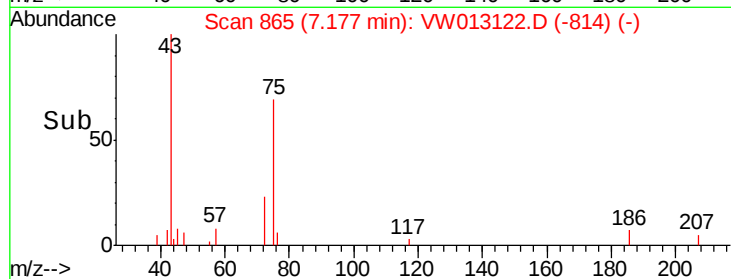
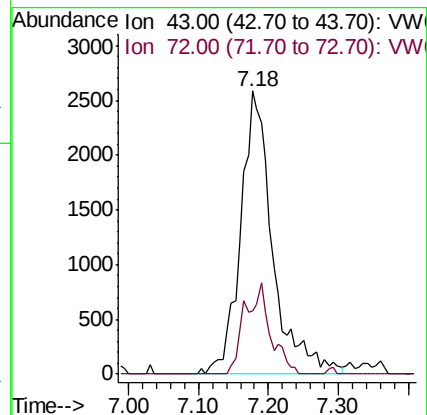
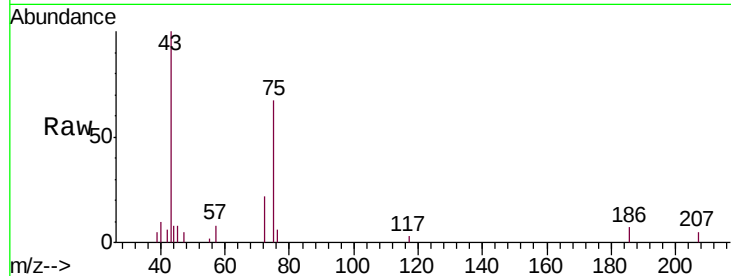
TP-1

Tgt Ion: 43 Resp: 8277

Ion Ratio Lower Upper

43 100

72 22.2 18.2 27.4



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.13 min Scan# 858

Delta R.T. -0.02 min

Lab File: VW013122.D

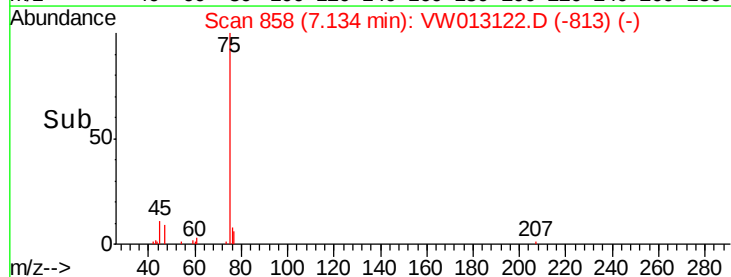
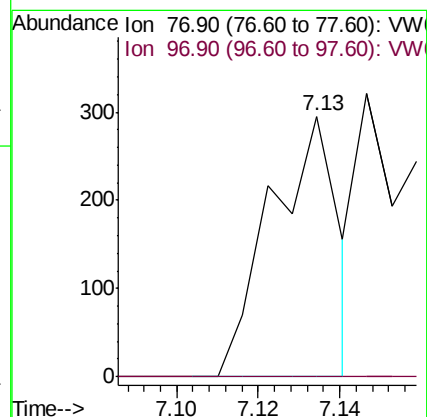
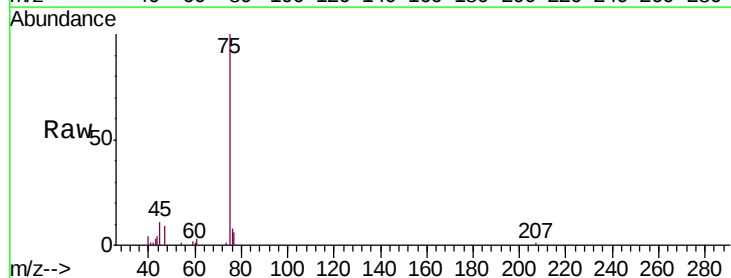
Acq: 18 Sep 2019 19:03

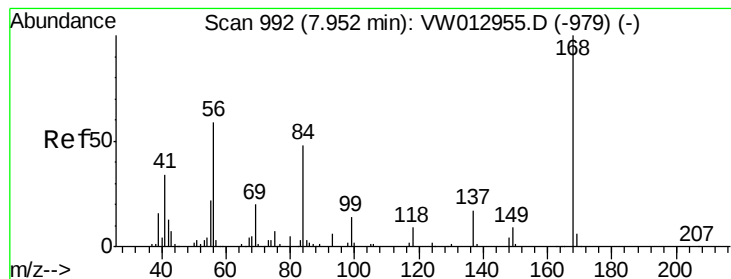
Tgt Ion: 77 Resp: 338

Ion Ratio Lower Upper

77 100

97 0.0 10.7 32.1#





#31

Cyclohexane

Concen: Below Cal

RT: 7.95 min Scan# 991

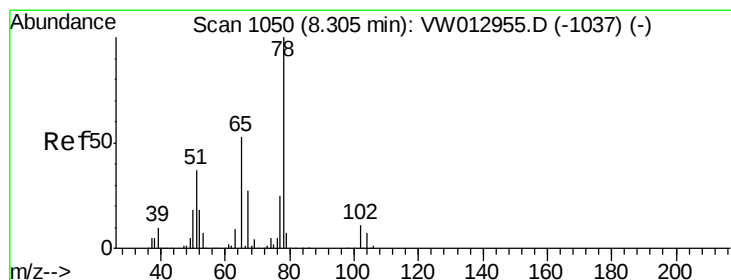
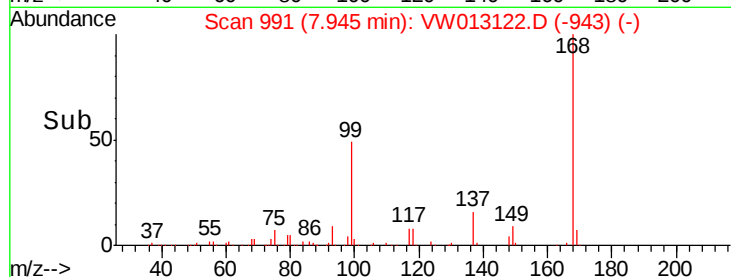
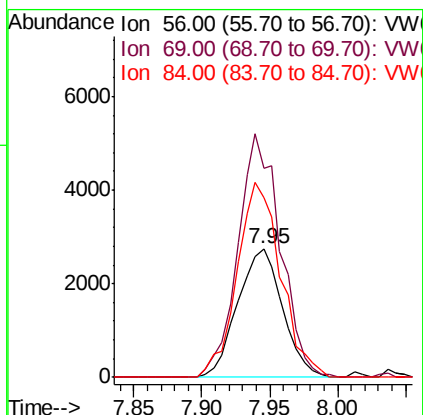
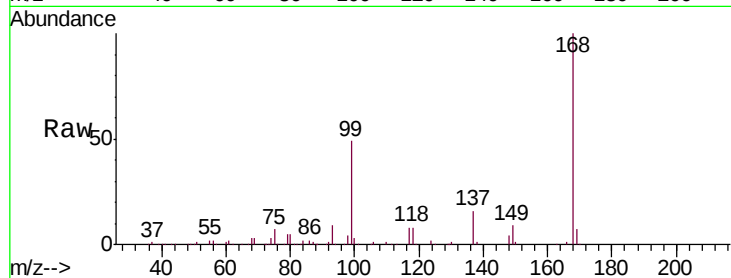
Delta R.T. -0.01 min

Lab File: VW013122.D

Acq: 18 Sep 2019 19:03

Instrument :
MSVOA_W
ClientSampled :
TP-1

Tgt Ion:	56	Resp:	6335
Ion	Ratio	Lower	Upper
56	100		
69	162.1	27.0	40.6#
84	139.8	66.2	99.2#



#33

1,2-Dichloroethane-d4

Concen: 49.988 ug/l

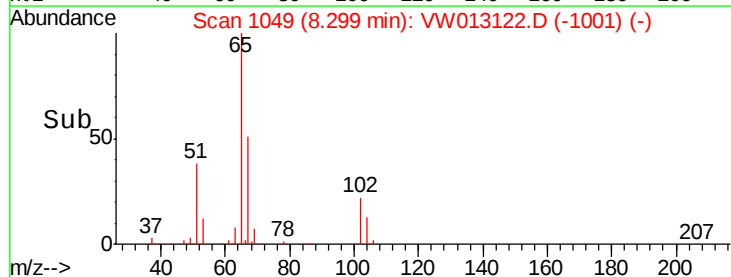
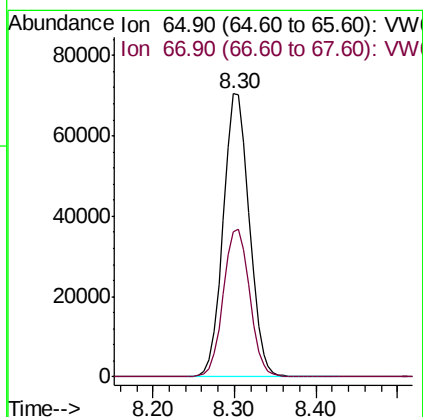
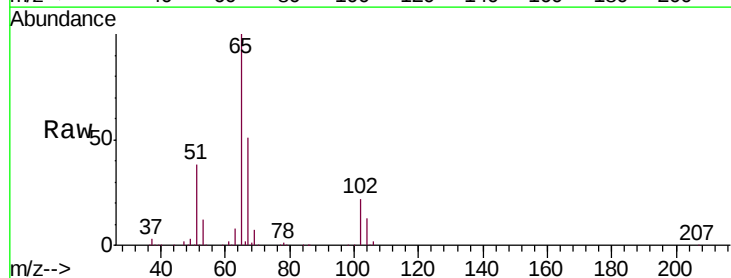
RT: 8.30 min Scan# 1049

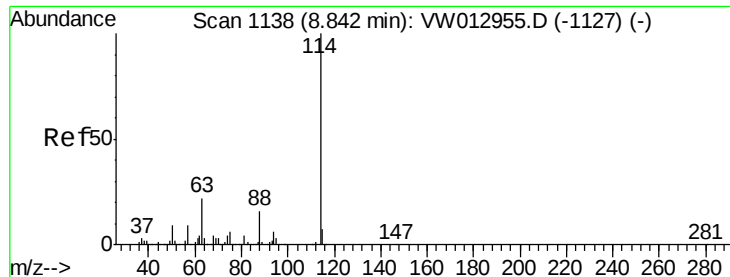
Delta R.T. -0.01 min

Lab File: VW013122.D

Acq: 18 Sep 2019 19:03

Tgt Ion:	65	Resp:	155804
Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	101.2

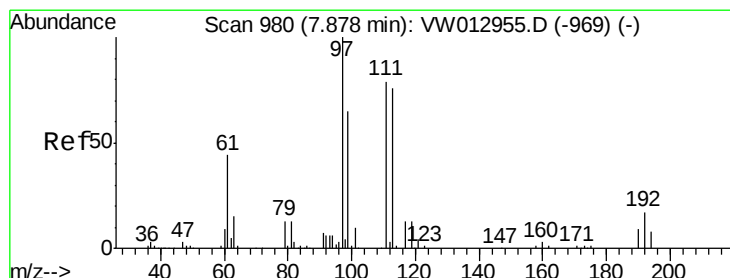
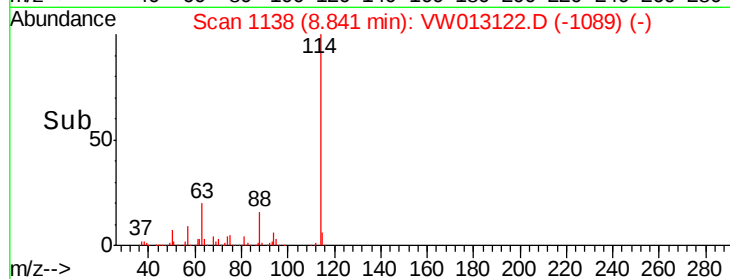
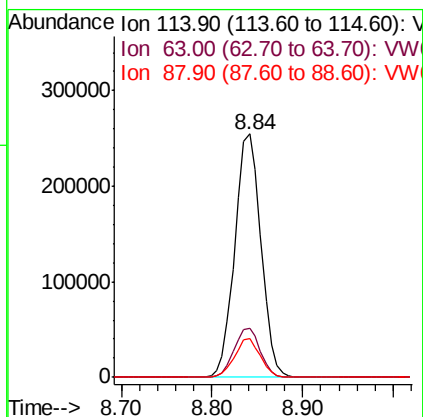
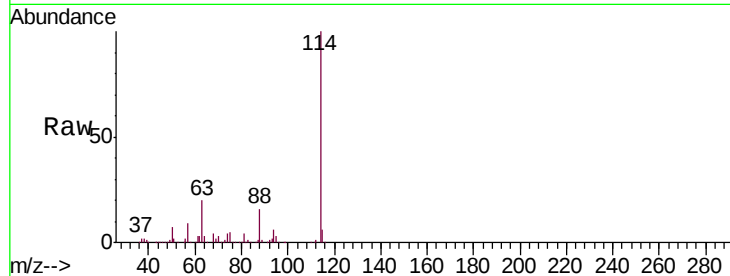




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013122.D
 Acq: 18 Sep 2019 19:03

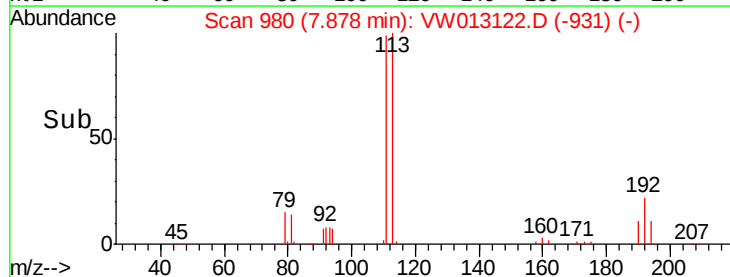
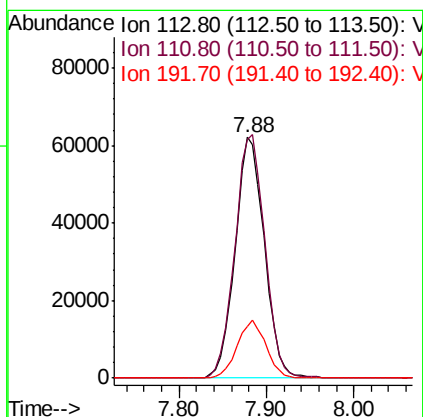
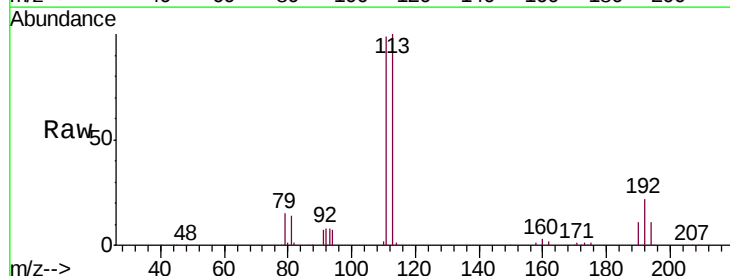
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-1

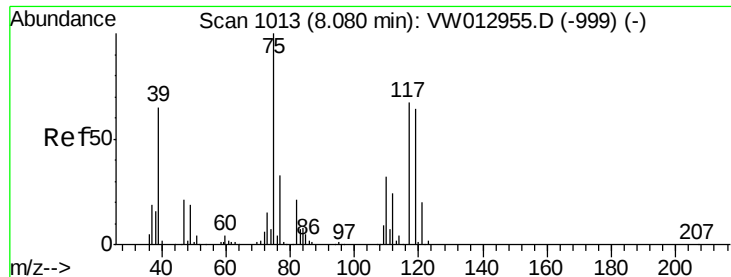
Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	43.4
88	15.8	0.0	31.6



#35
 Dibromofluoromethane
 Concen: 52.090 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013122.D
 Acq: 18 Sep 2019 19:03

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.8	124.2
192	23.6	17.8	26.8

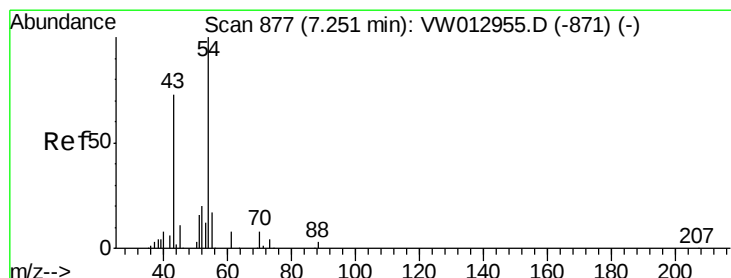
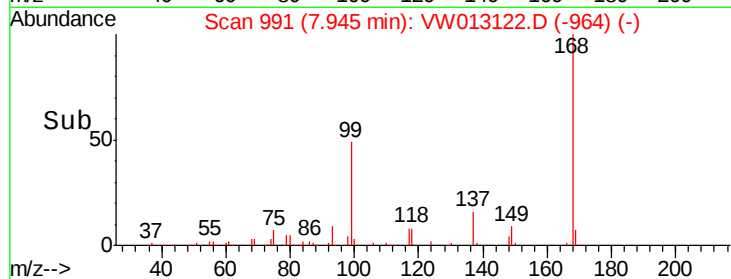
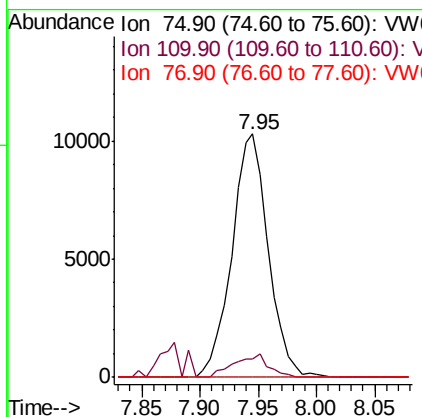
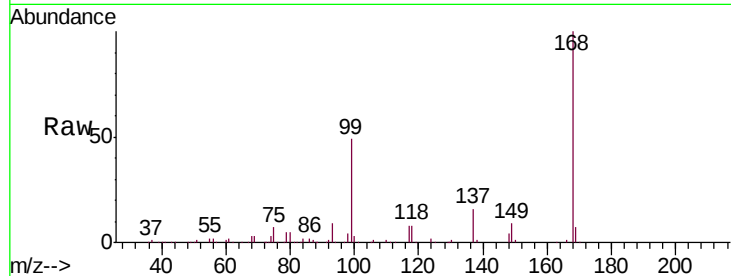




#36
 1,1-Dichloropropene
 Concen: 5.488 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013122.D
 Acq: 18 Sep 2019 19:03

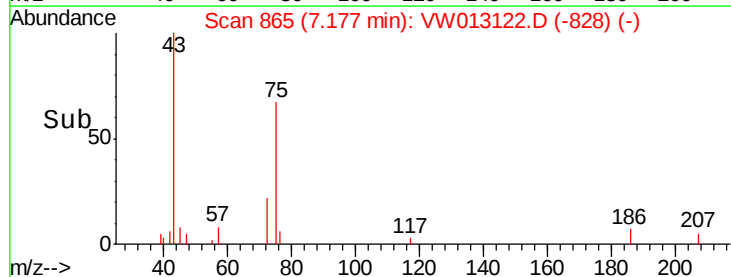
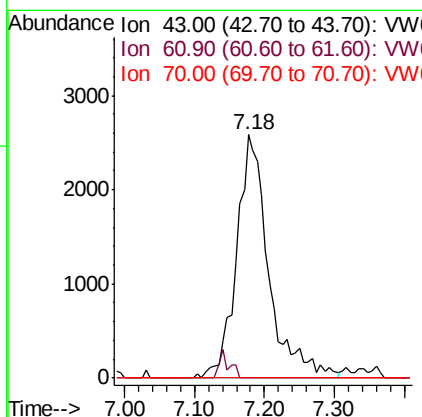
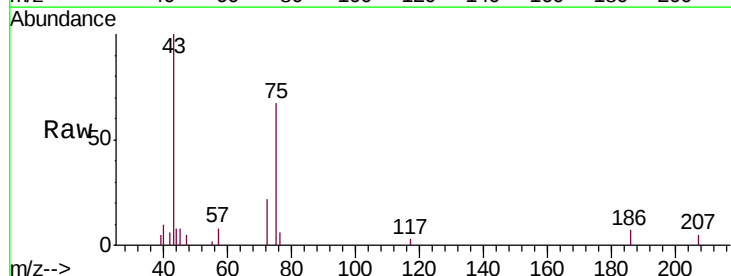
Instrument :
 MSVOA_W
 ClientSampled :
 TP-1

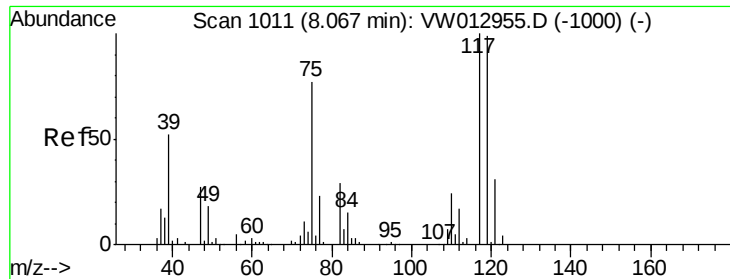
Tgt Ion: 75 Resp: 22393
 Ion Ratio Lower Upper
 75 100
 110 8.9 16.4 49.1#
 77 0.0 25.1 37.7#



#37
 Ethyl Acetate
 Concen: 3.822 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.07 min
 Lab File: VW013122.D
 Acq: 18 Sep 2019 19:03

Tgt Ion: 43 Resp: 8277
 Ion Ratio Lower Upper
 43 100
 61 0.0 9.6 14.4#
 70 0.0 7.6 11.4#

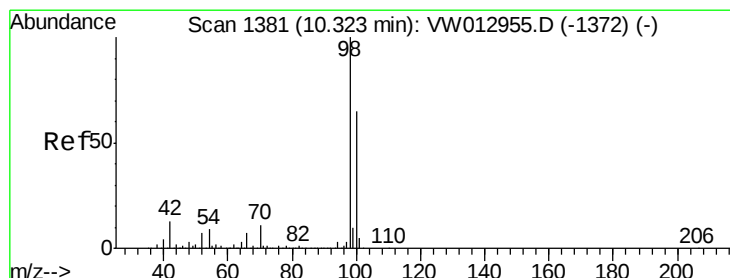
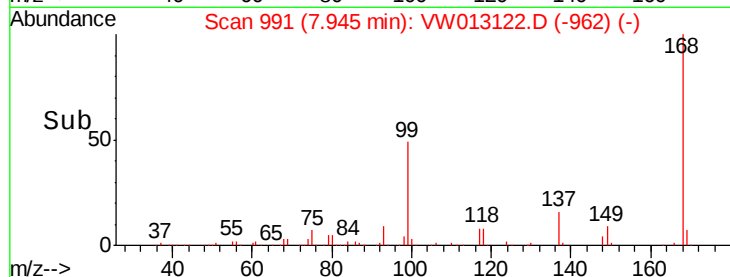
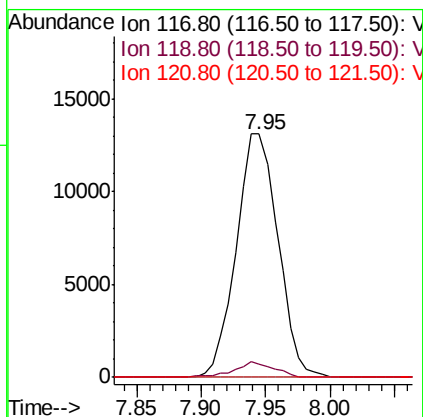
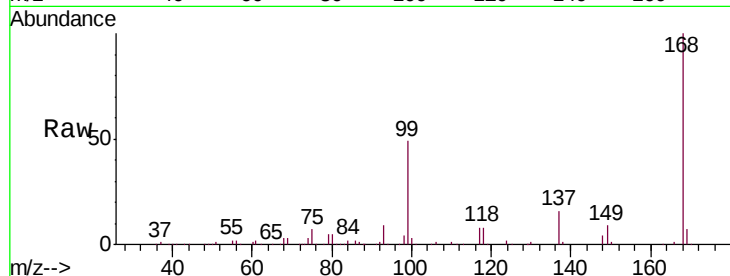




#38
Carbon Tetrachloride
Concen: 7.041 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013122.D
Acq: 18 Sep 2019 19:03

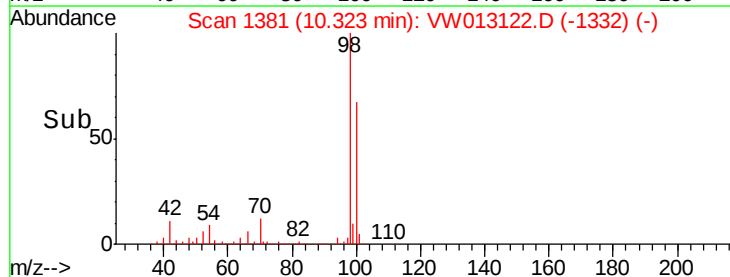
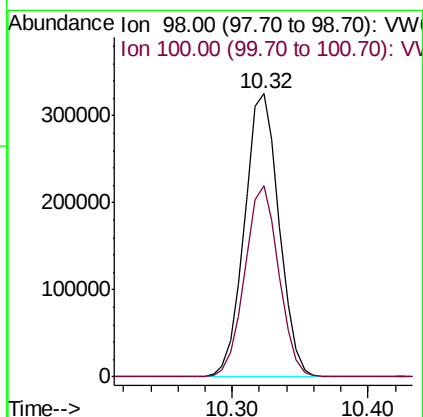
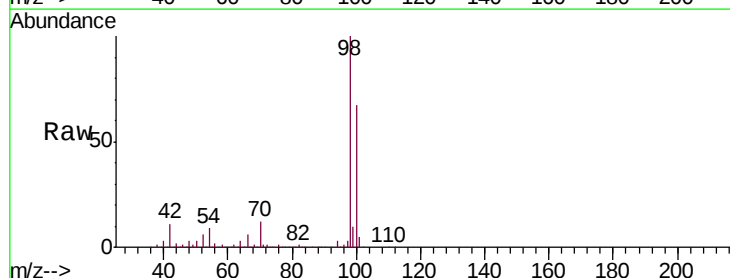
Instrument :
MSVOA_W
ClientSampled :
TP-1

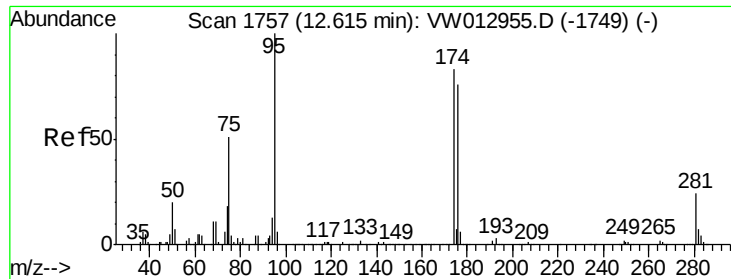
Tgt Ion:117 Resp: 29442
Ion Ratio Lower Upper
117 100
119 5.4 79.4 119.0#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 53.384 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013122.D
Acq: 18 Sep 2019 19:03

Tgt Ion: 98 Resp: 578771
Ion Ratio Lower Upper
98 100
100 66.4 52.1 78.1

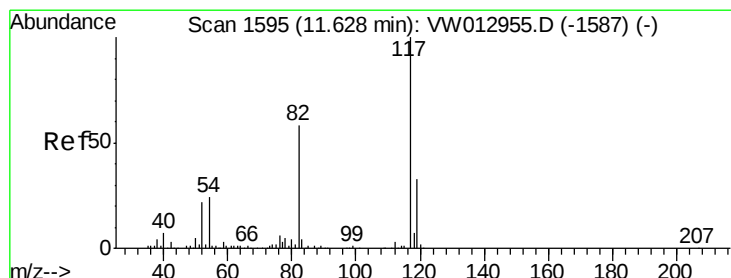
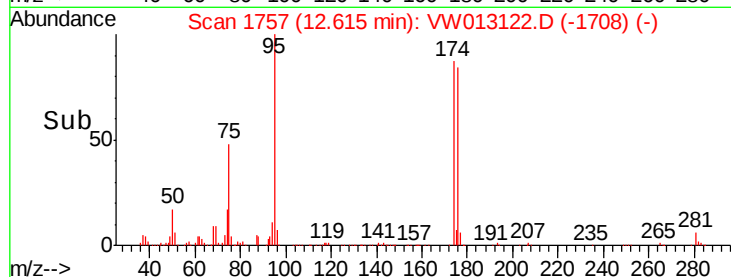
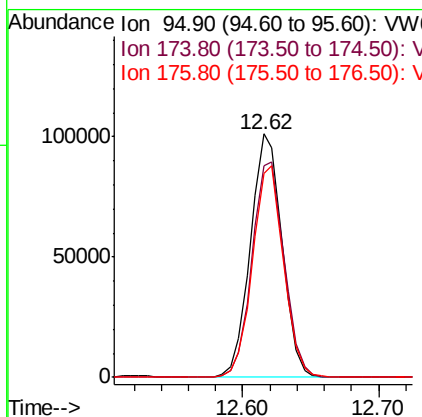
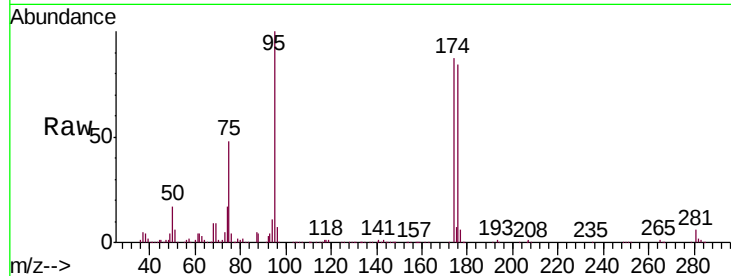




#62
4-Bromofluorobenzene
Concen: 42.349 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013122.D
Acq: 18 Sep 2019 19:03

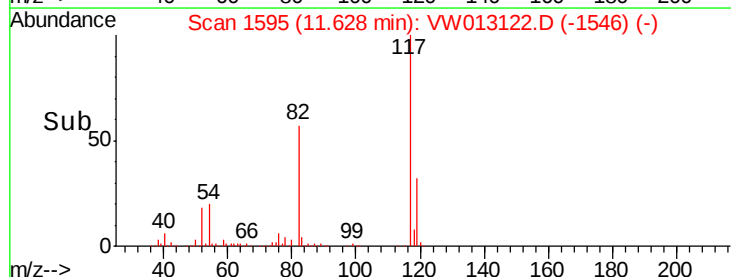
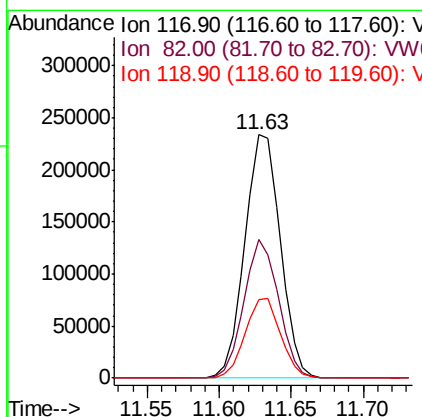
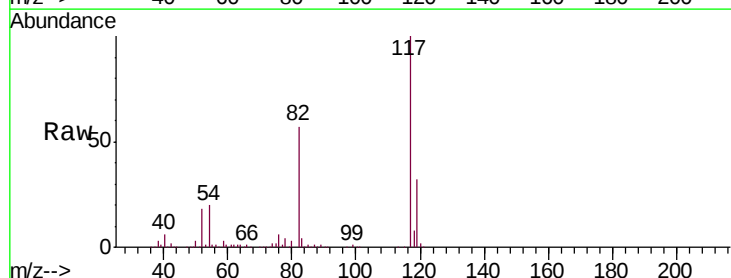
Instrument :
MSVOA_W
ClientSampleId :
TP-1

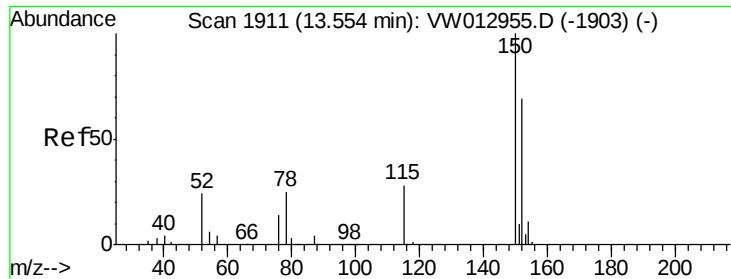
Tgt Ion	Ratio	Resp	Lower	Upper
95	100	165097		
174	90.0	0.0	170.4	
176	85.5	0.0	164.6	



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013122.D
Acq: 18 Sep 2019 19:03

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	399150		
82	57.2	46.3	69.5	
119	32.1	26.2	39.4	



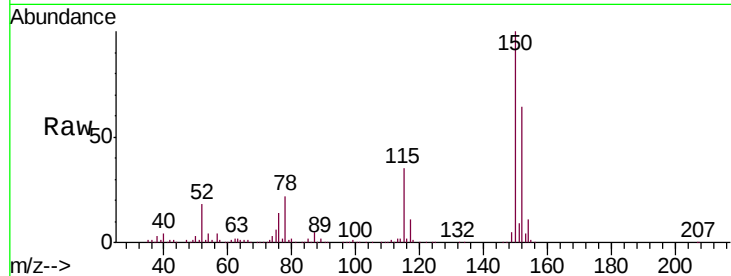


#72

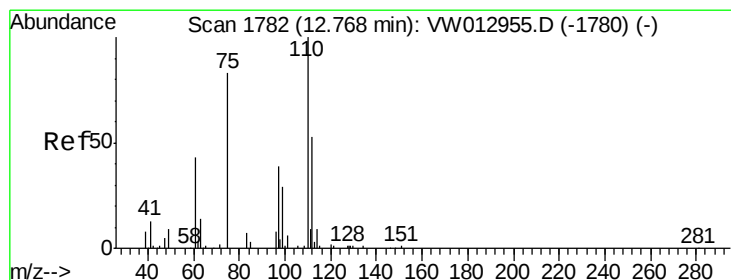
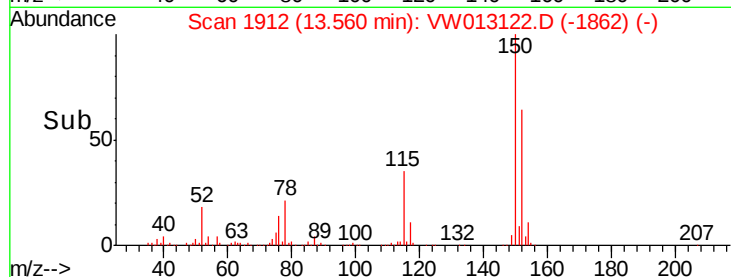
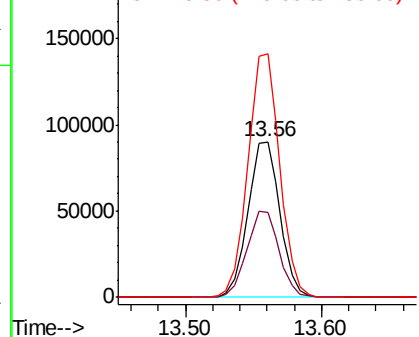
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW013122.D
Acq: 18 Sep 2019 19:03

Instrument :
MSVOA_W
ClientSampleId :
TP-1

Tgt Ion: 152 Resp: 148039
Ion Ratio Lower Upper
152 100
115 56.1 28.8 86.4
150 155.9 0.0 340.2



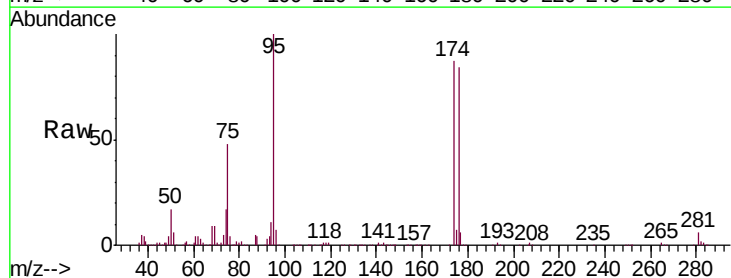
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



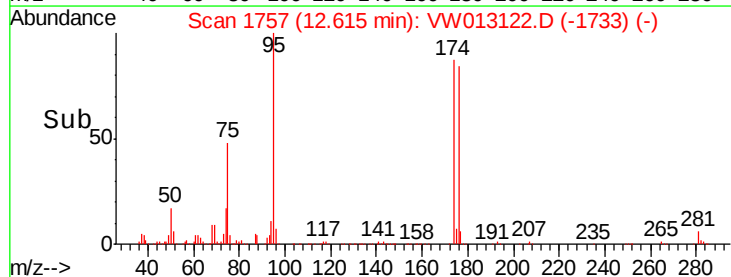
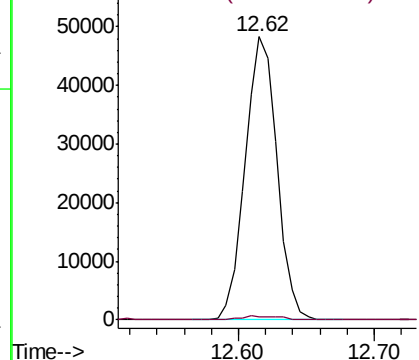
#76

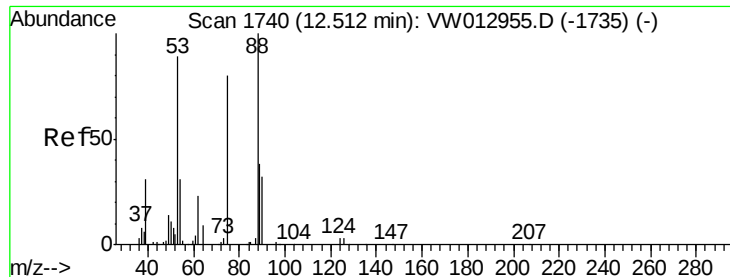
1,2,3-Trichloropropane
Concen: 60.996 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW013122.D
Acq: 18 Sep 2019 19:03

Tgt Ion: 75 Resp: 79094
Ion Ratio Lower Upper
75 100
77 1.6 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: 138.369 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013122.D

Acq: 18 Sep 2019 19:03

Instrument :

MSVOA_W

ClientSampled :

TP-1

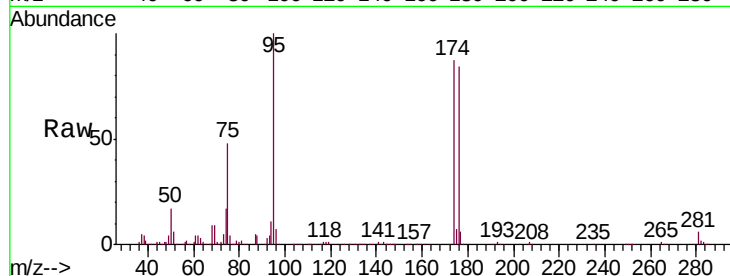
Tgt Ion: 75 Resp: 79094

Ion Ratio Lower Upper

75 100

53 0.0 85.6 128.4#

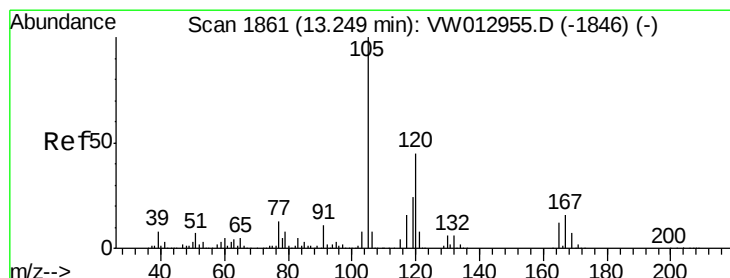
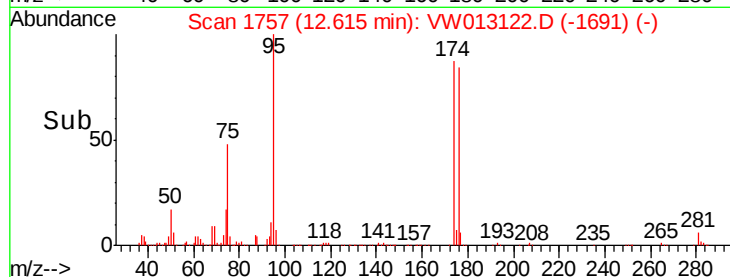
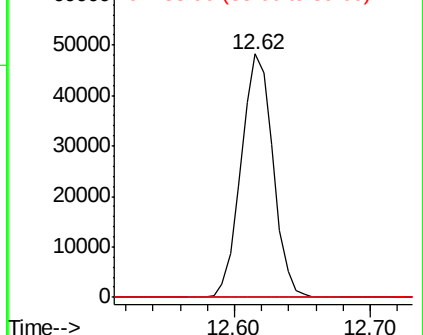
89 0.1 37.2 55.8#



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



#84

1,2,4-Trimethylbenzene

Concen: 1.223 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW013122.D

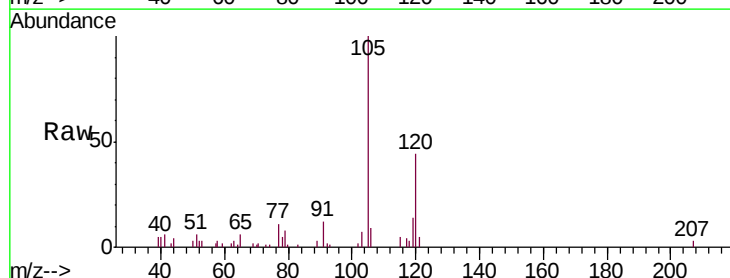
Acq: 18 Sep 2019 19:03

Tgt Ion: 105 Resp: 10035

Ion Ratio Lower Upper

105 100

120 42.8 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

