

Data File : VW013134.D
Acq On : 19 Sep 2019 01:57
Operator : SY/VA
Sample : K4924-03
Misc : 5.02G/5ML/MSVOA_W/SOIL
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-52-4.5-5.0

Quant Time: Sep 19 08:03:01 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	353027	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	523914	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	421717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	182314	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	142889	43.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.64%	
35) Dibromofluoromethane	7.88	113	145322	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
50) Toluene-d8	10.32	98	597589	53.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.44%	
62) 4-Bromofluorobenzene	12.62	95	181942	45.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.96%	

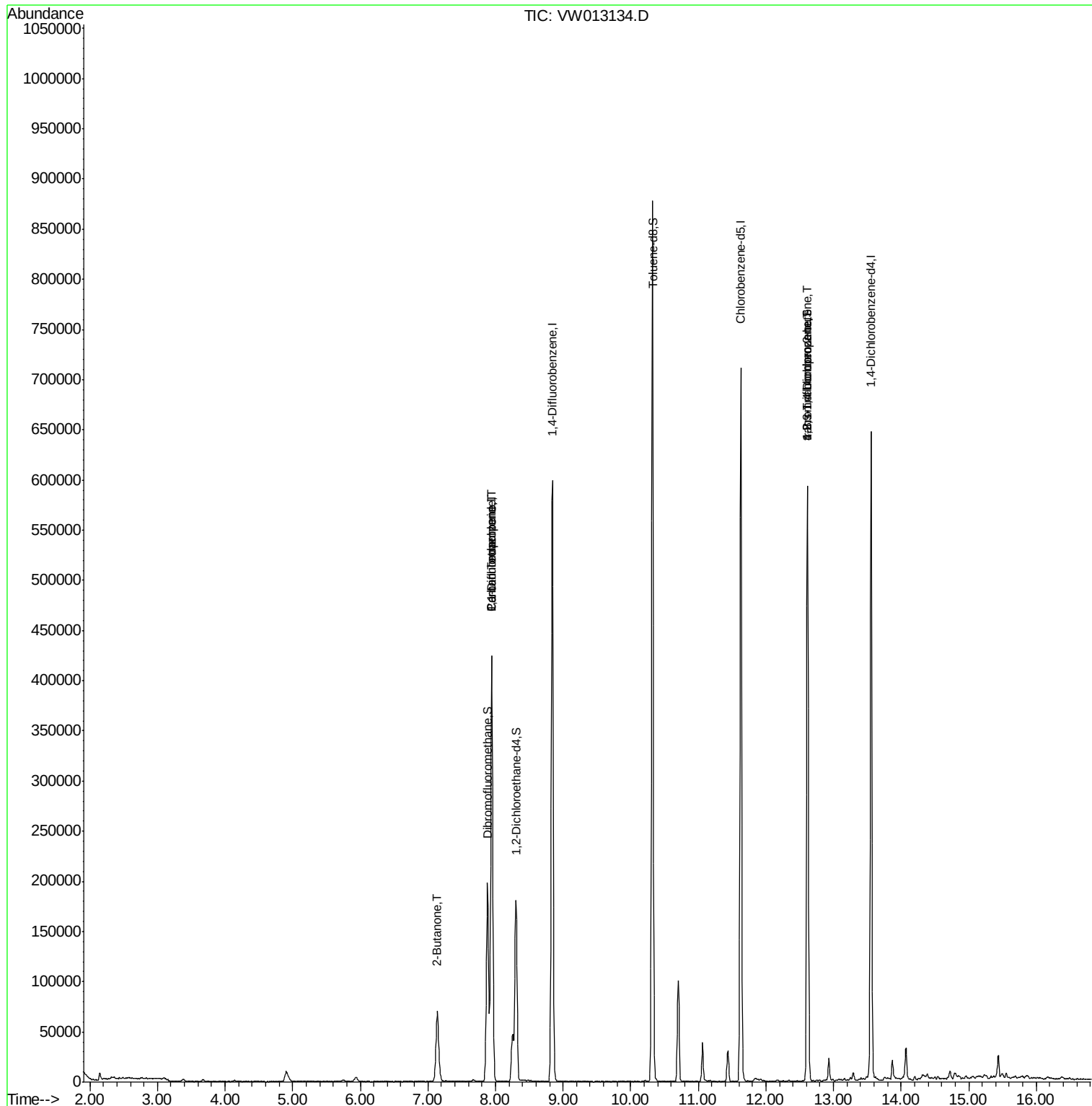
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.00	85	101	Below Cal	#	44
3) Chloromethane	2.21	50	308	Below Cal		93
11) Tert butyl alcohol	5.20	59	415	Below Cal	#	72
13) Acrolein	3.90	56	20	Below Cal	#	63
16) Acetone	4.15	43	2518	Below Cal		98
20) Methylene Chloride	4.90	84	7288	Below Cal	#	91
25) 2-Butanone	7.15	43	3734	3.602 ug/l	#	90
26) 2,2-Dichloropropane	7.14	77	5214	Below Cal	#	55
31) Cyclohexane	7.95	56	5951	Below Cal	#	1
36) 1,1-Dichloropropene	7.95	75	23460	5.604 ug/l	#	52
38) Carbon Tetrachloride	7.95	117	30084	7.012 ug/l	#	15
76) 1,2,3-Trichloropropane	12.62	75	86935	54.439 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.62	75	86935	123.494 ug/l	#	7

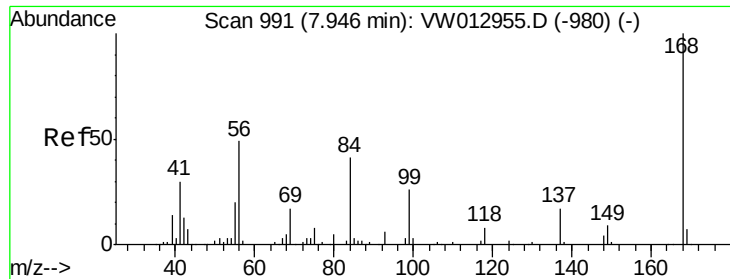
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

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MSVOA_W

ClientSampleId :

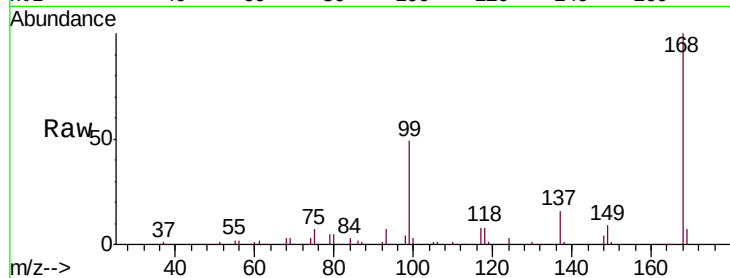
SB-52-4.5-5.0

Tgt Ion:168 Resp: 353027

Ion Ratio Lower Upper

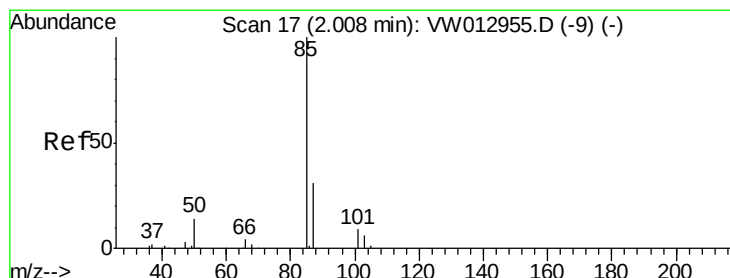
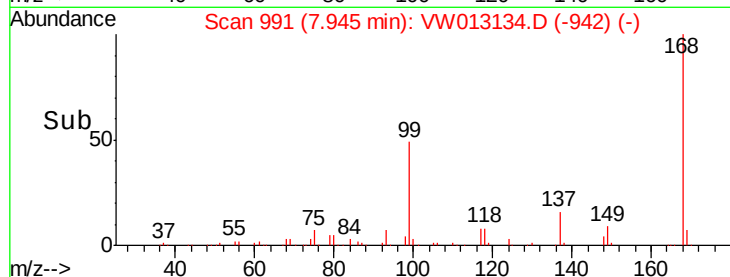
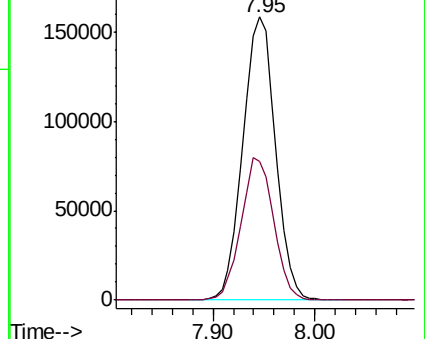
168 100

99 49.2 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: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW013134.D

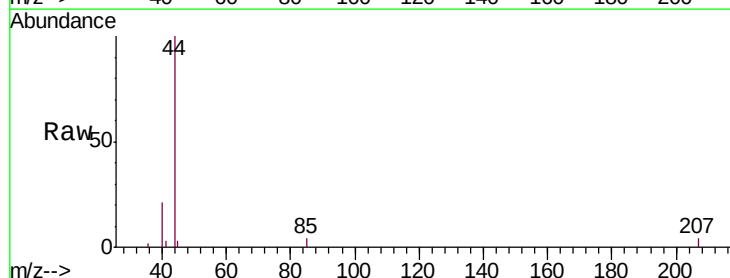
Acq: 19 Sep 2019 01:57

Tgt Ion: 85 Resp: 101

Ion Ratio Lower Upper

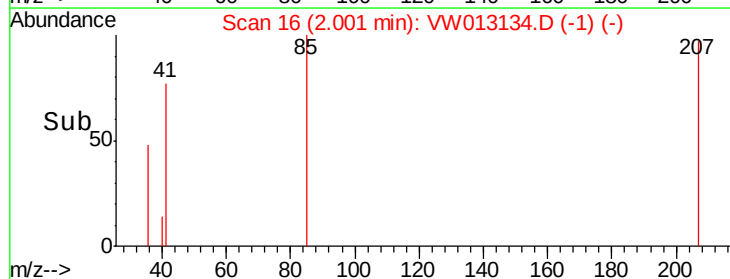
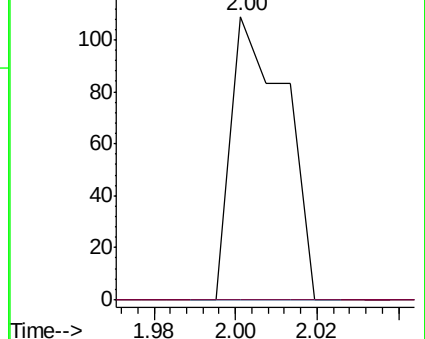
85 100

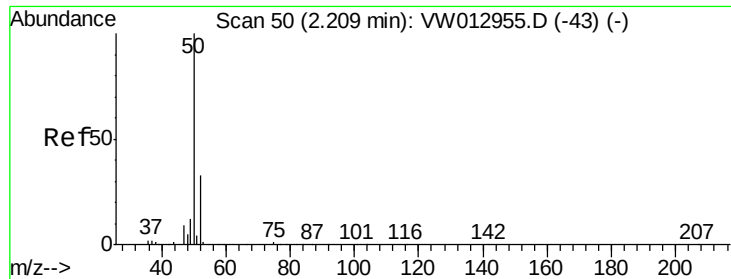
87 0.0 15.4 46.4#



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: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013134.D

Acq: 19 Sep 2019 01:57

Instrument :

MSVOA_W

ClientSampleId :

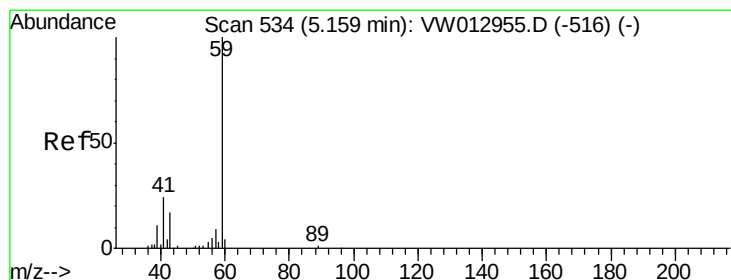
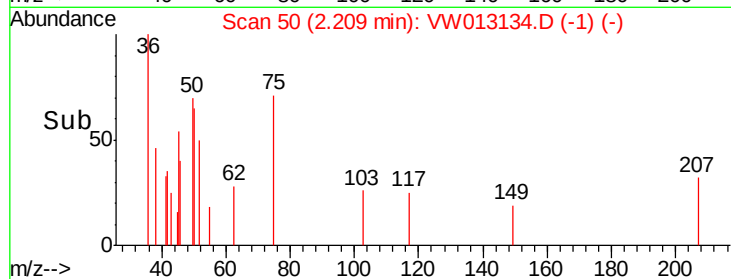
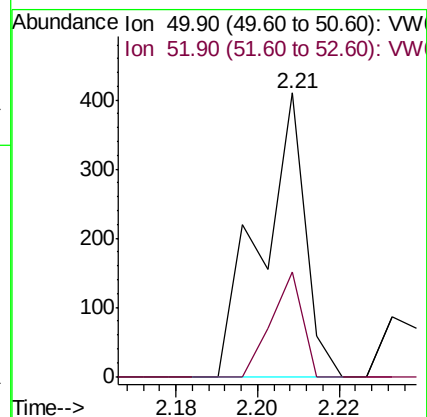
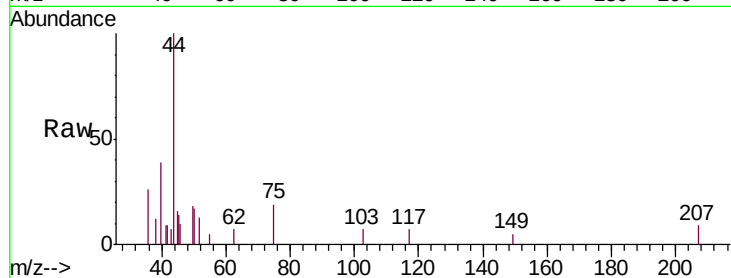
SB-52-4.5-5.0

Tgt Ion: 50 Resp: 308

Ion Ratio Lower Upper

50 100

52 37.1 26.6 39.8



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 540

Delta R.T. 0.04 min

Lab File: VW013134.D

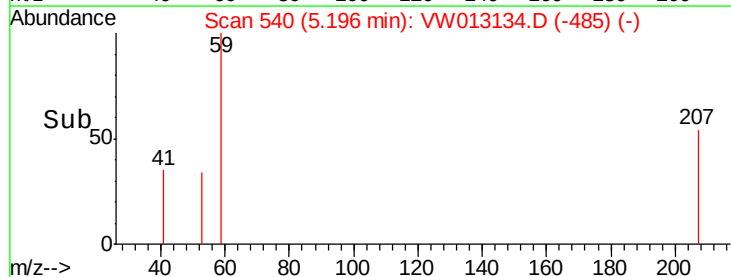
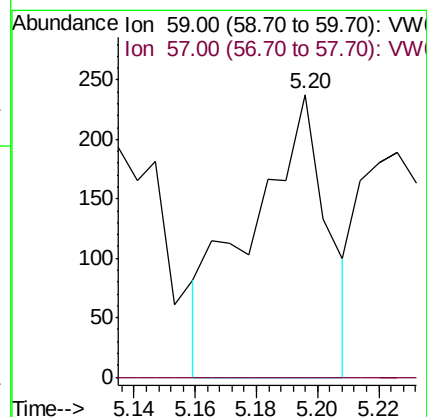
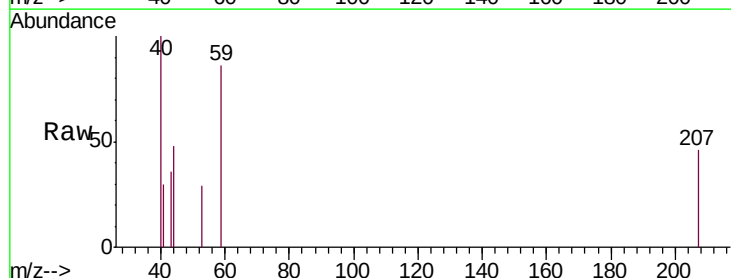
Acq: 19 Sep 2019 01:57

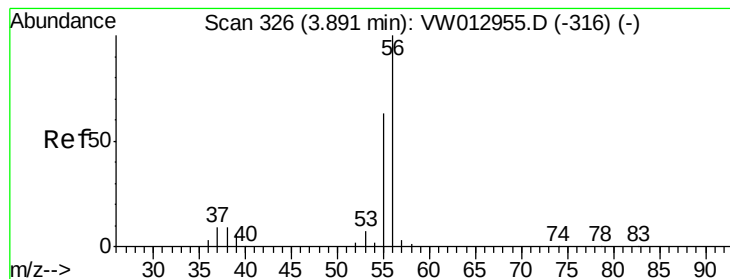
Tgt Ion: 59 Resp: 415

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





#13

Acrolein

Concen: Below Cal

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW013134.D

Acq: 19 Sep 2019 01:57

Instrument :

MSVOA_W

ClientSampleId :

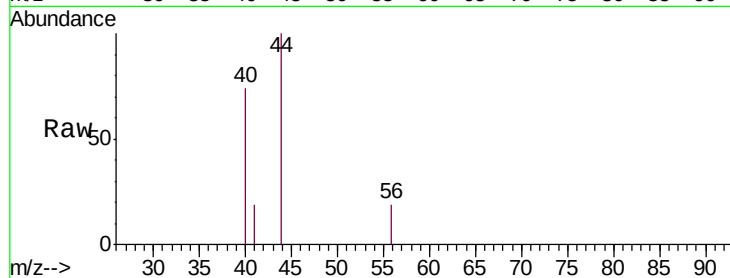
SB-52-4.5-5.0

Tgt Ion: 56 Resp: 20

Ion Ratio Lower Upper

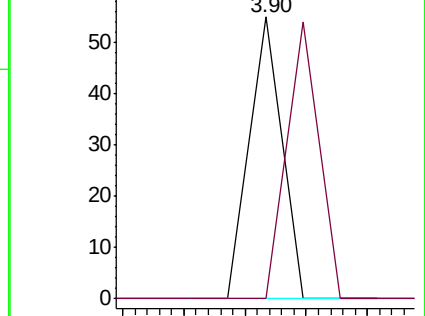
56 100

55 100.0 55.8 83.8#

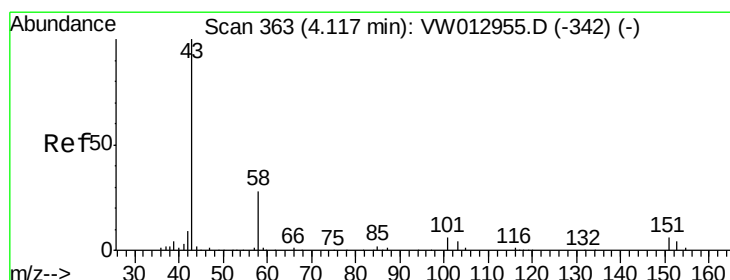
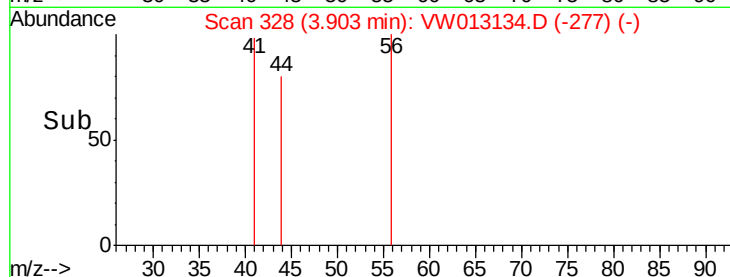


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



Time-->



#16

Acetone

Concen: Below Cal

RT: 4.15 min Scan# 368

Delta R.T. 0.03 min

Lab File: VW013134.D

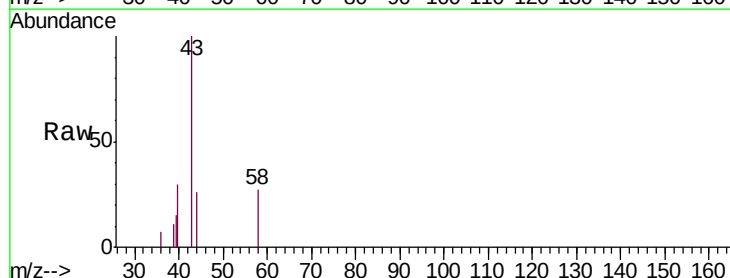
Acq: 19 Sep 2019 01:57

Tgt Ion: 43 Resp: 2518

Ion Ratio Lower Upper

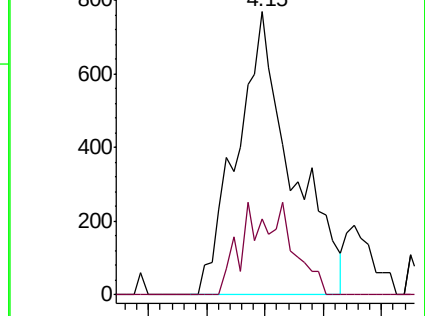
43 100

58 26.9 22.3 33.5

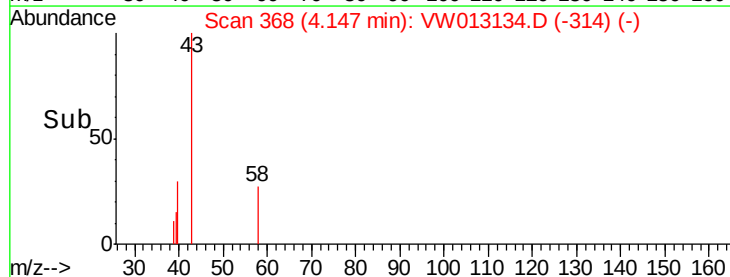


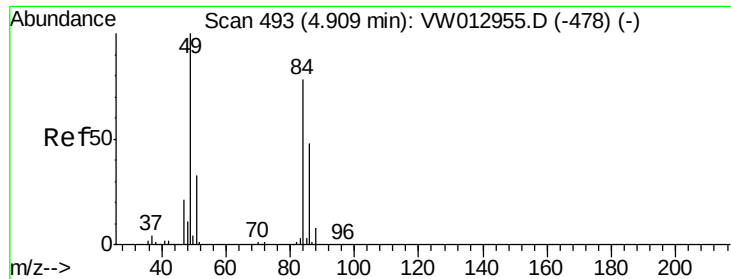
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time-->

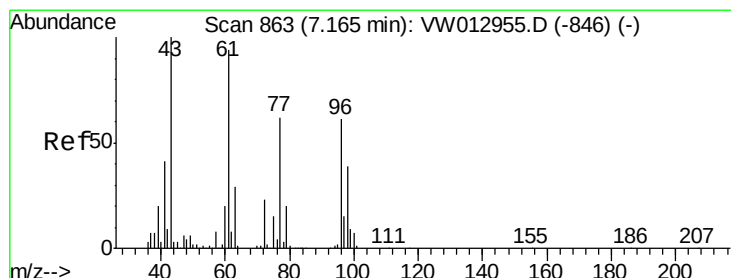
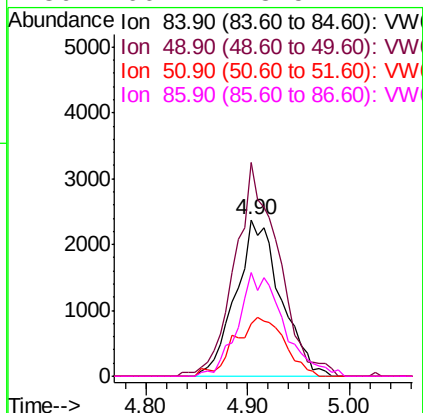
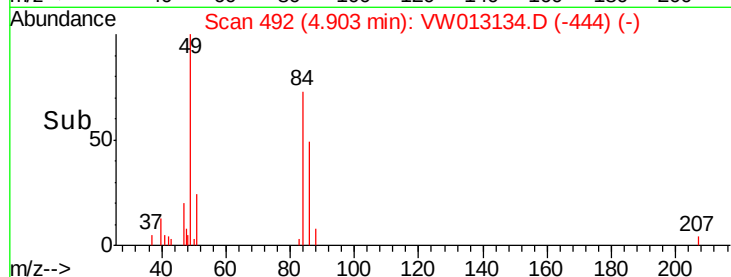
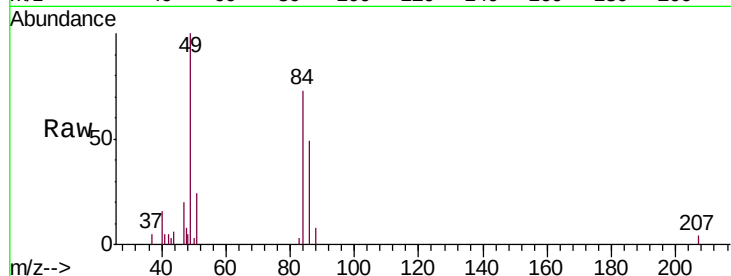




#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW013134.D
Acq: 19 Sep 2019 01:57

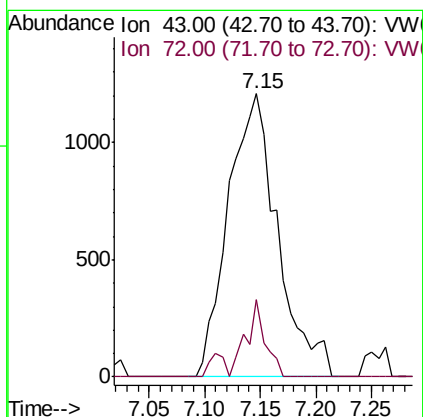
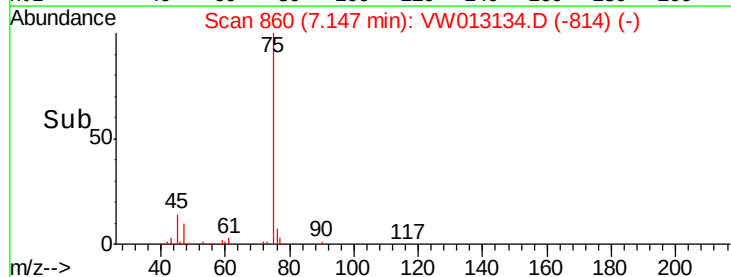
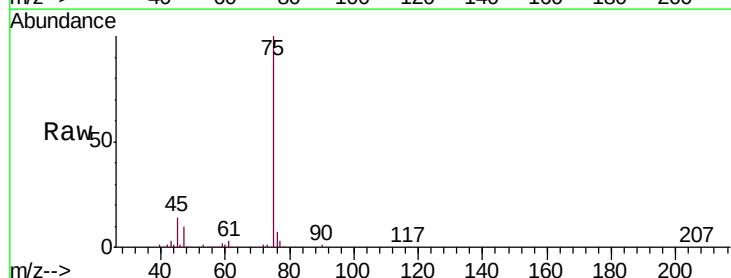
Instrument :
MSVOA_W
ClientSampleId :
SB-52-4.5-5.0

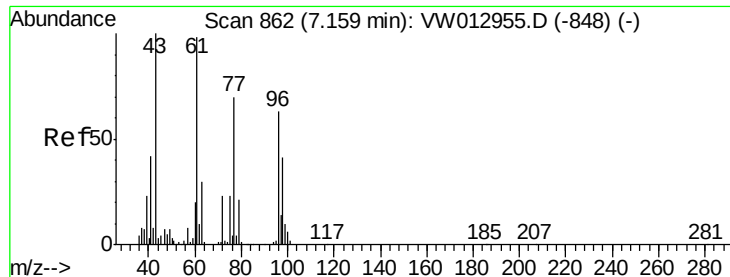
Tgt Ion: 84 Resp: 7288
Ion Ratio Lower Upper
84 100
49 136.3 102.0 153.0
51 33.1 34.0 51.0#
86 66.2 48.5 72.7



#25
2-Butanone
Concen: 3.602 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW013134.D
Acq: 19 Sep 2019 01:57

Tgt Ion: 43 Resp: 3734
Ion Ratio Lower Upper
43 100
72 27.5 18.2 27.4#

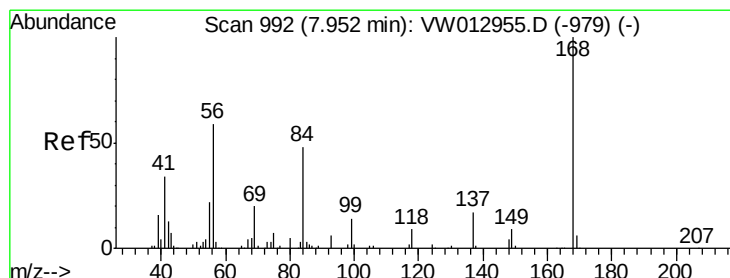
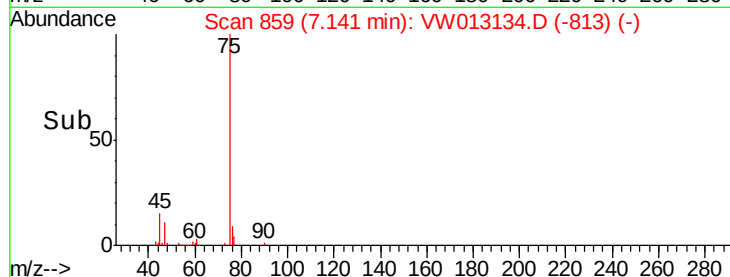
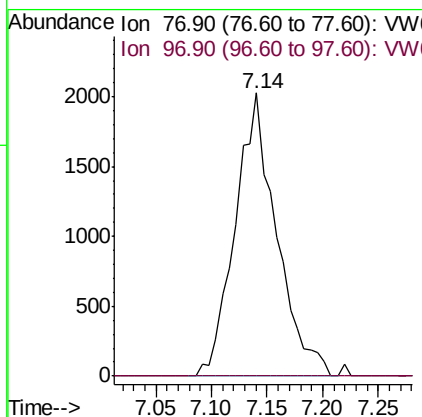
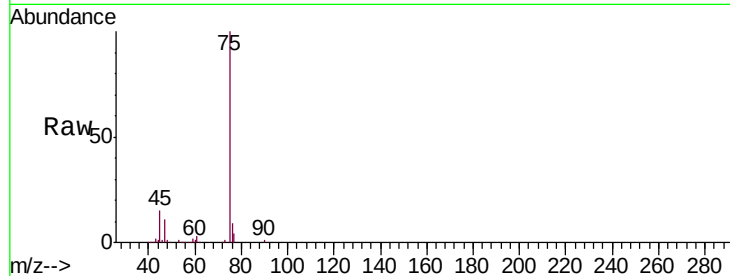




#26
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.14 min Scan# 859
 Delta R.T. -0.02 min
 Lab File: VW013134.D
 Acq: 19 Sep 2019 01:57

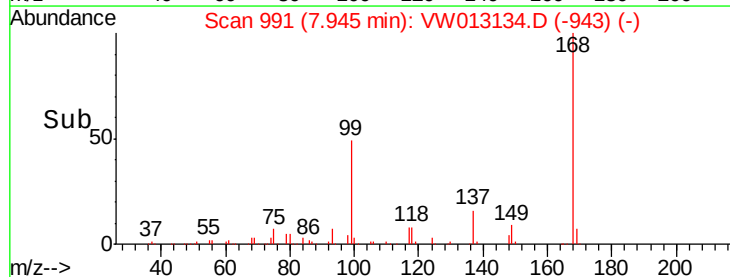
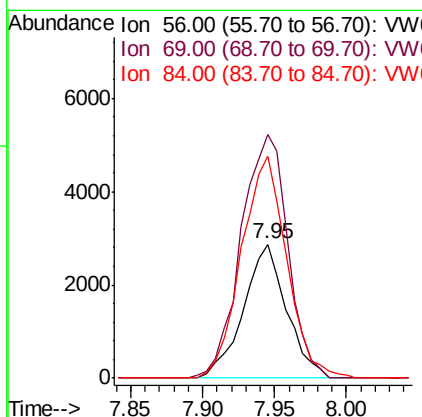
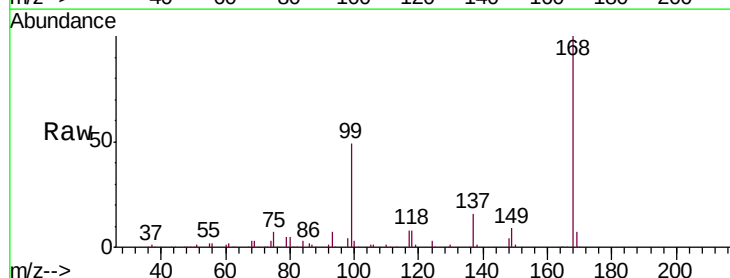
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-52-4.5-5.0

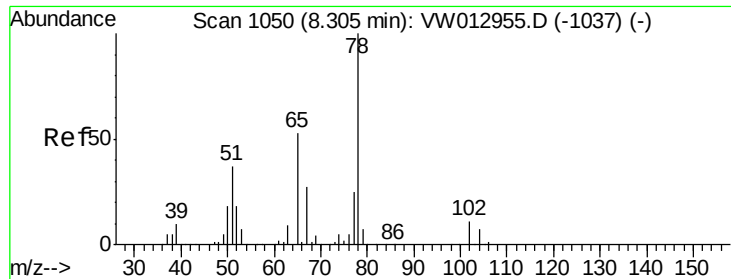
Tgt Ion: 77 Resp: 5214
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.7 32.1#



#31
 Cyclohexane
 Concen: Below Cal
 RT: 7.95 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VW013134.D
 Acq: 19 Sep 2019 01:57

Tgt Ion: 56 Resp: 5951
 Ion Ratio Lower Upper
 56 100
 69 181.6 27.0 40.6#
 84 165.7 66.2 99.2#

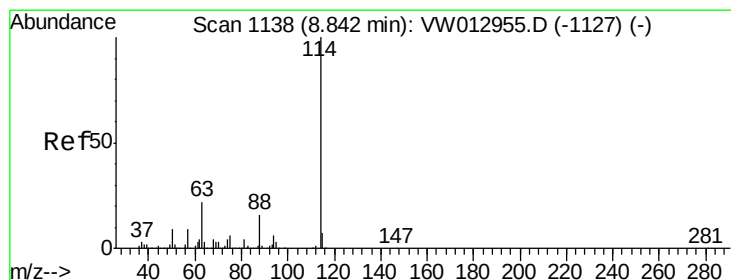
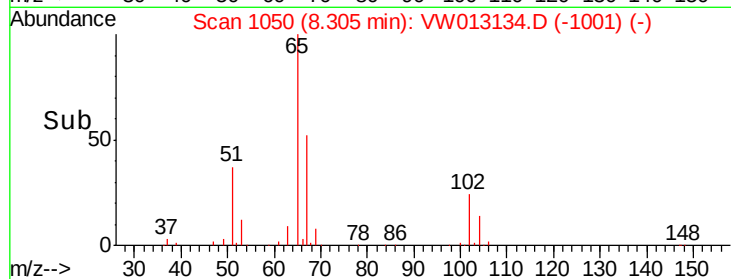
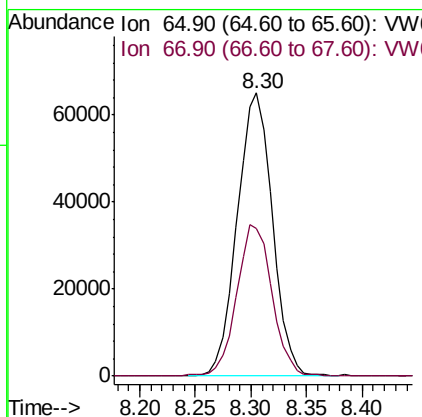
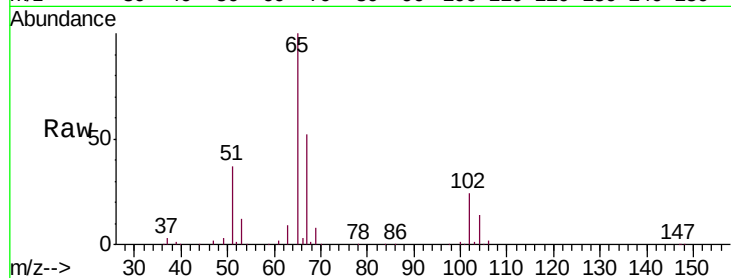




#33
 1,2-Dichloroethane-d4
 Concen: 43.825 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013134.D
 Acq: 19 Sep 2019 01:57

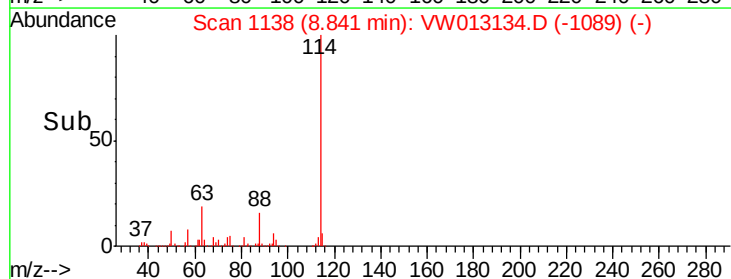
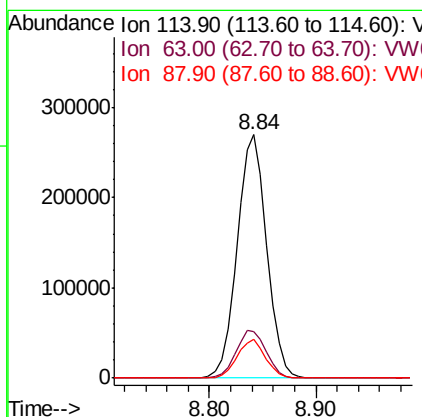
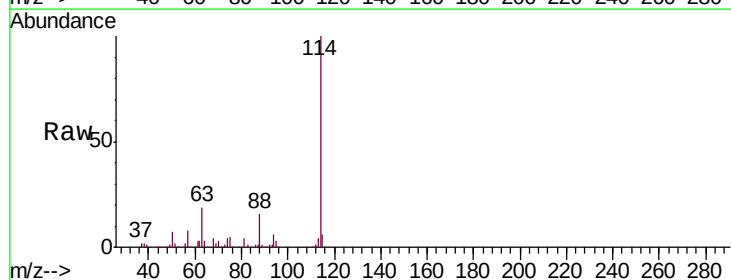
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-52-4.5-5.0

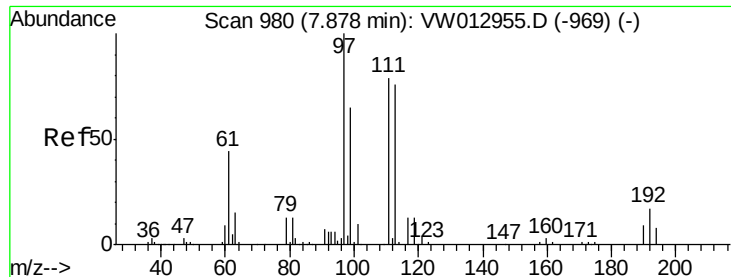
Tgt Ion: 65 Resp: 142889
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013134.D
 Acq: 19 Sep 2019 01:57

Tgt Ion: 114 Resp: 523914
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 43.4
 88 15.7 0.0 31.6

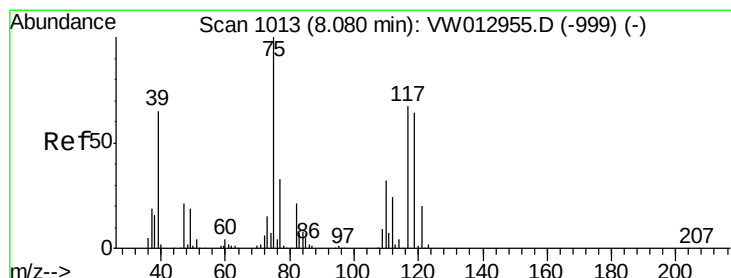
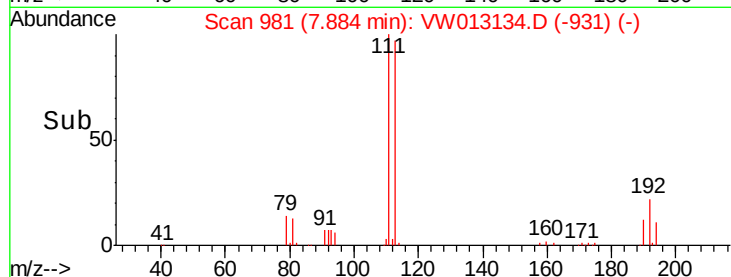
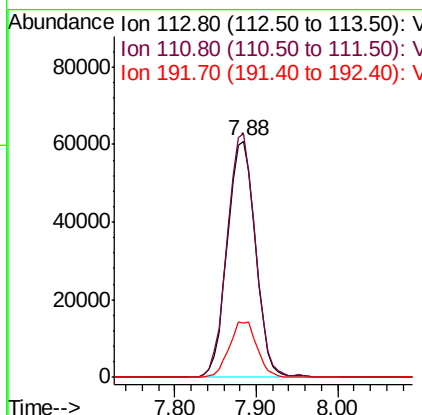
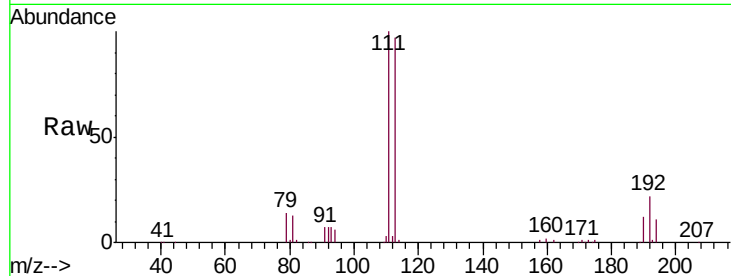




#35
 Dibromofluoromethane
 Concen: 51.119 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013134.D
 Acq: 19 Sep 2019 01:57

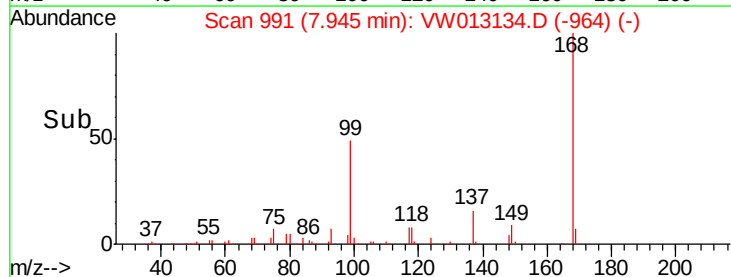
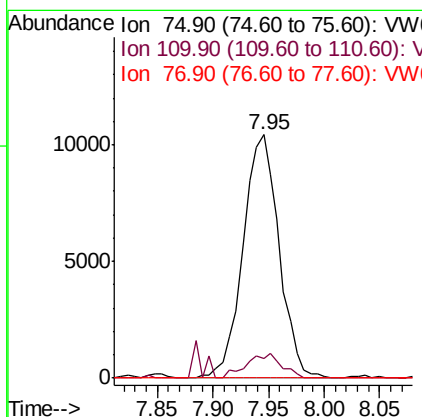
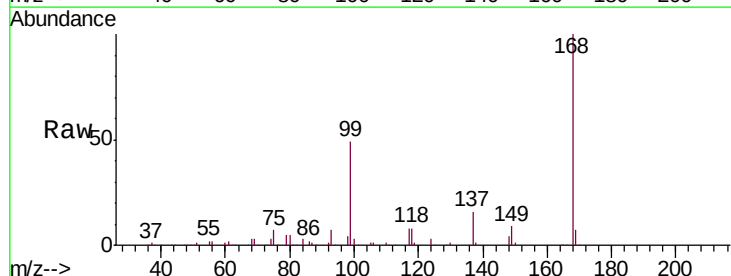
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-52-4.5-5.0

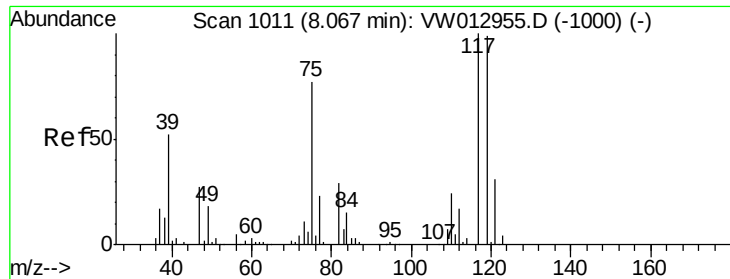
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.8	124.2
192	23.0	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 5.604 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013134.D
 Acq: 19 Sep 2019 01:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.9	16.4	49.1#
77	0.0	25.1	37.7#

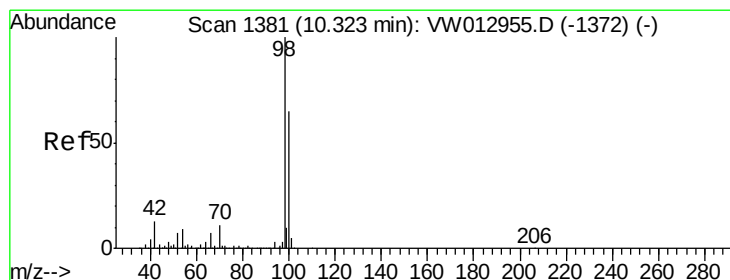
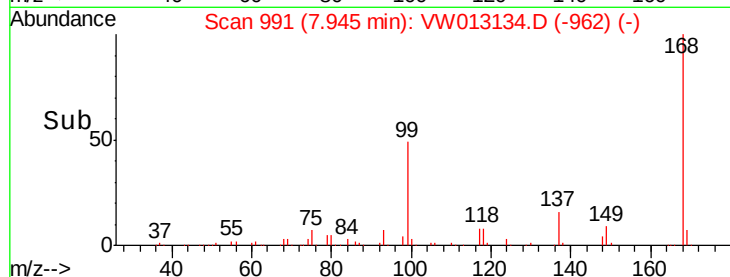
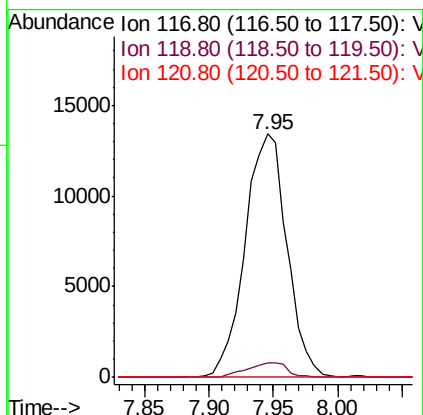
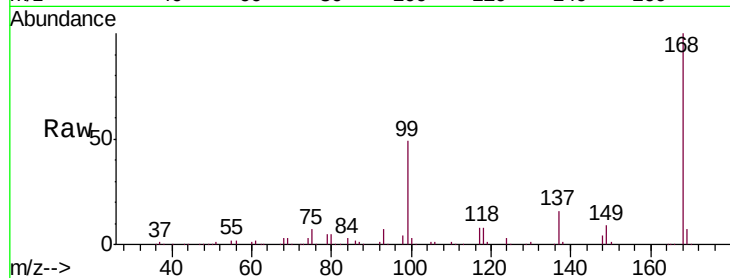




#38
Carbon Tetrachloride
Concen: 7.012 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013134.D
Acq: 19 Sep 2019 01:57

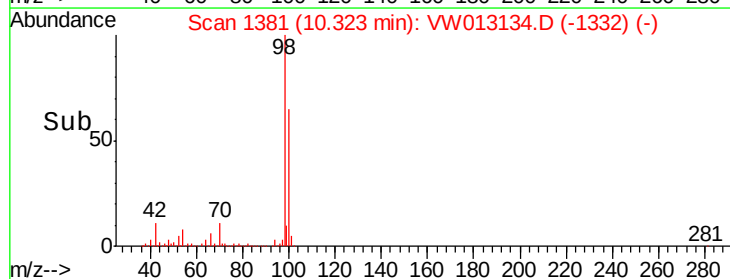
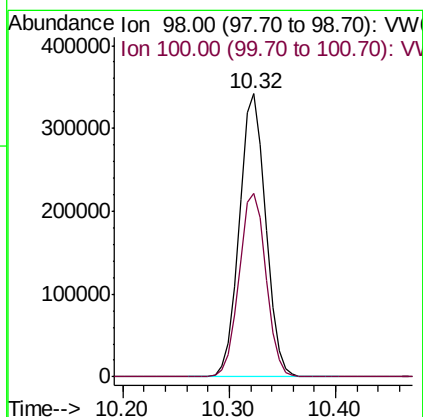
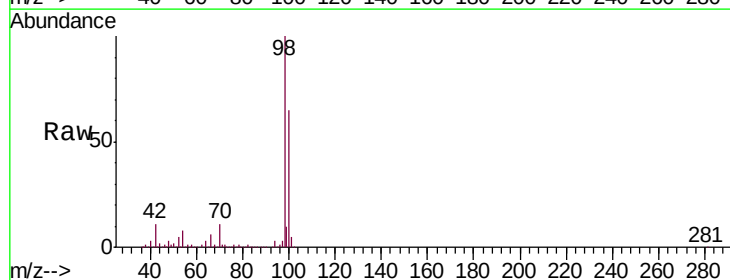
Instrument :
MSVOA_W
ClientSampleId :
SB-52-4.5-5.0

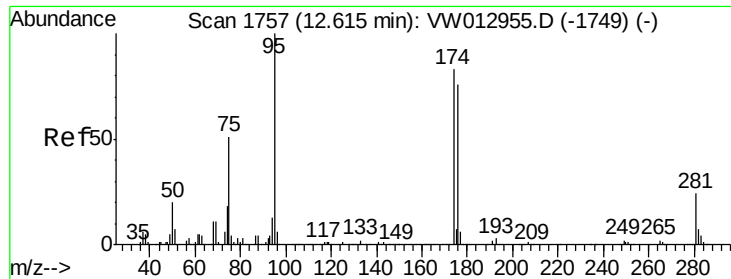
Tgt Ion:117 Resp: 30084
Ion Ratio Lower Upper
117 100
119 6.1 79.4 119.0#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 53.719 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013134.D
Acq: 19 Sep 2019 01:57

Tgt Ion: 98 Resp: 597589
Ion Ratio Lower Upper
98 100
100 66.1 52.1 78.1

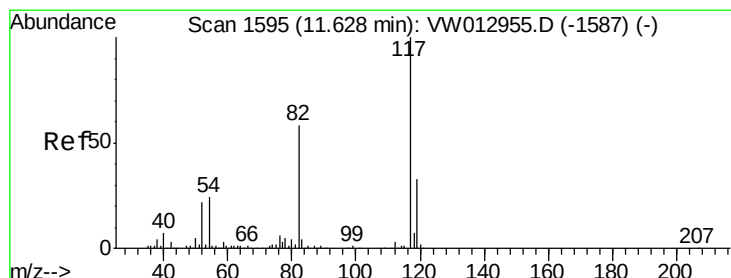
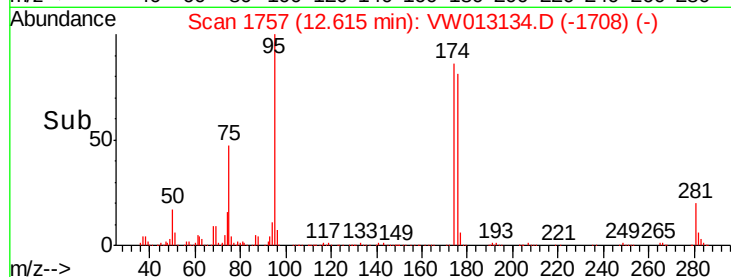
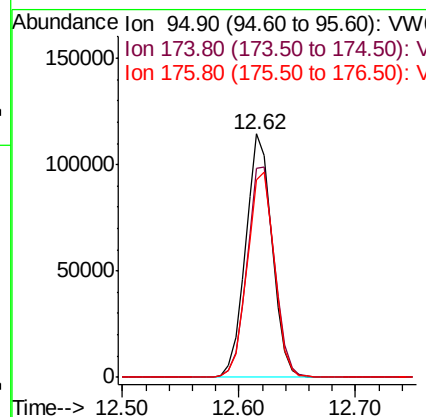
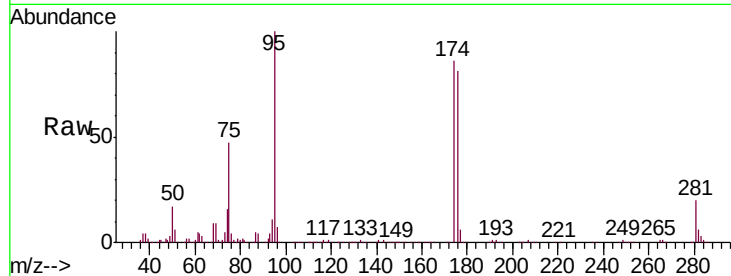




#62
4-Bromofluorobenzene
Concen: 45.485 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013134.D
Acq: 19 Sep 2019 01:57

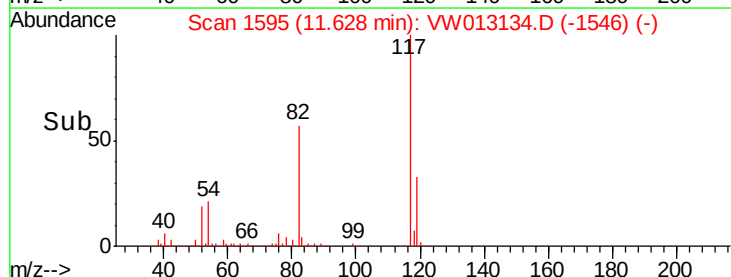
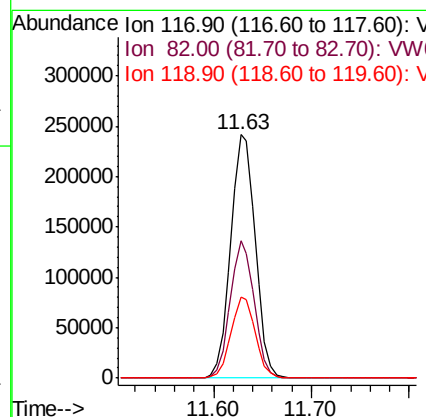
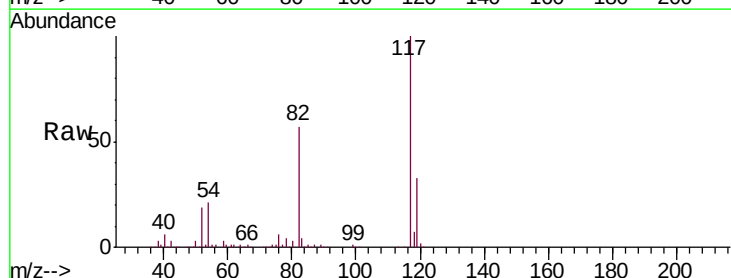
Instrument :
MSVOA_W
ClientSampleId :
SB-52-4.5-5.0

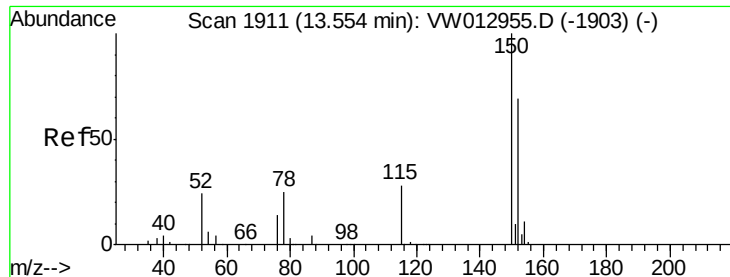
Tgt Ion: 95 Resp: 181942
Ion Ratio Lower Upper
95 100
174 89.8 0.0 170.4
176 86.4 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013134.D
Acq: 19 Sep 2019 01:57

Tgt Ion: 117 Resp: 421717
Ion Ratio Lower Upper
117 100
82 56.5 46.3 69.5
119 33.1 26.2 39.4



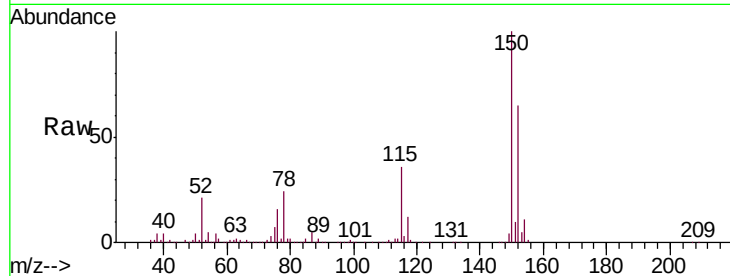


#72

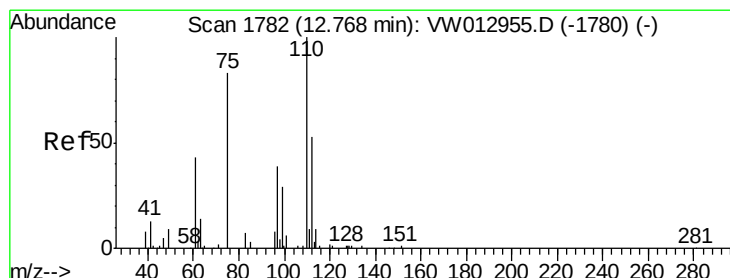
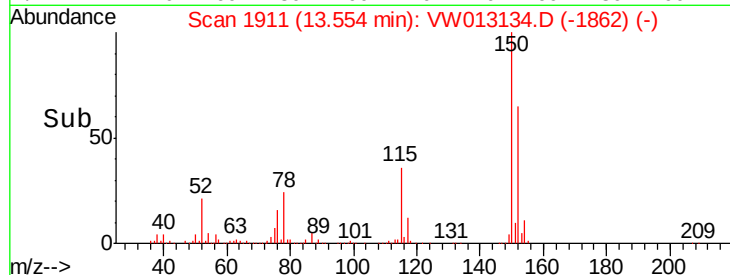
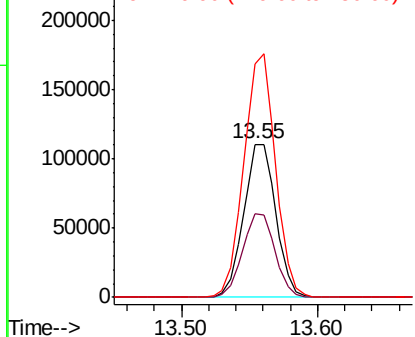
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW013134.D
Acq: 19 Sep 2019 01:57

Instrument :
MSVOA_W
ClientSampled :
SB-52-4.5-5.0

Tgt Ion:152 Resp: 182314
Ion Ratio Lower Upper
152 100
115 55.2 28.8 86.4
150 156.9 0.0 340.2



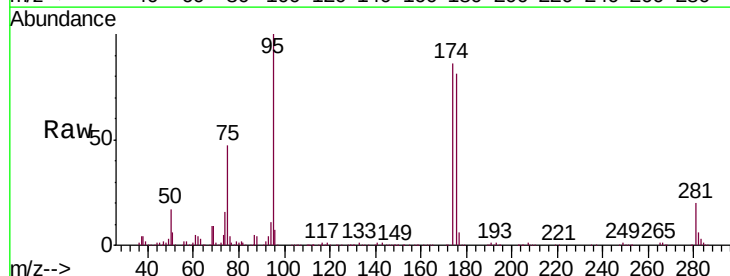
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



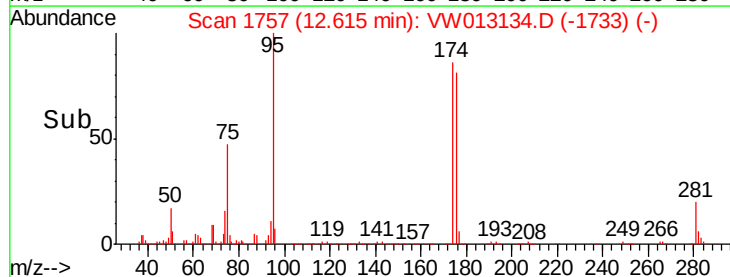
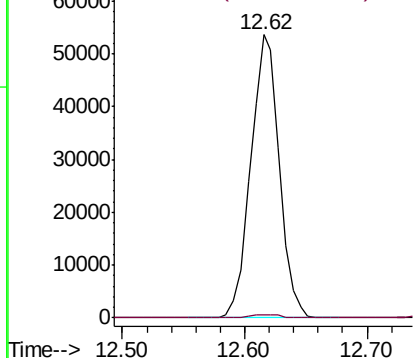
#76

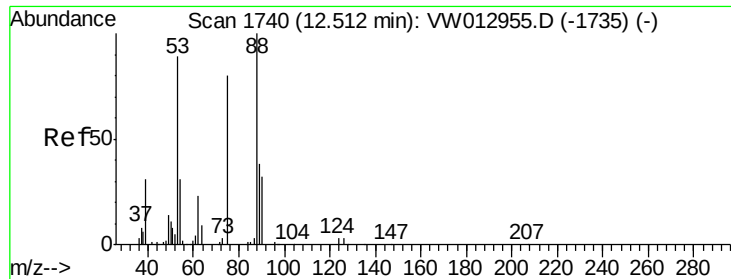
1,2,3-Trichloropropane
Concen: 54.439 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW013134.D
Acq: 19 Sep 2019 01:57

Tgt Ion: 75 Resp: 86935
Ion Ratio Lower Upper
75 100
77 1.4 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: 123.494 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013134.D

Acq: 19 Sep 2019 01:57

Instrument :

MSVOA_W

ClientSampleId :

SB-52-4.5-5.0

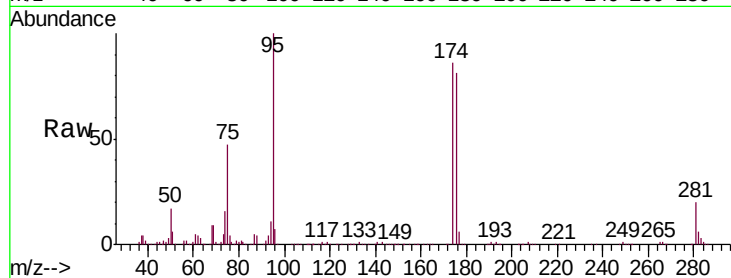
Tgt Ion: 75 Resp: 86935

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

