

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091619\
 Data File : VW013057.D
 Acq On : 16 Sep 2019 23:19
 Operator : SY/VA
 Sample : VW0916SBL02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBL02

Quant Time: Sep 17 07:25:46 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

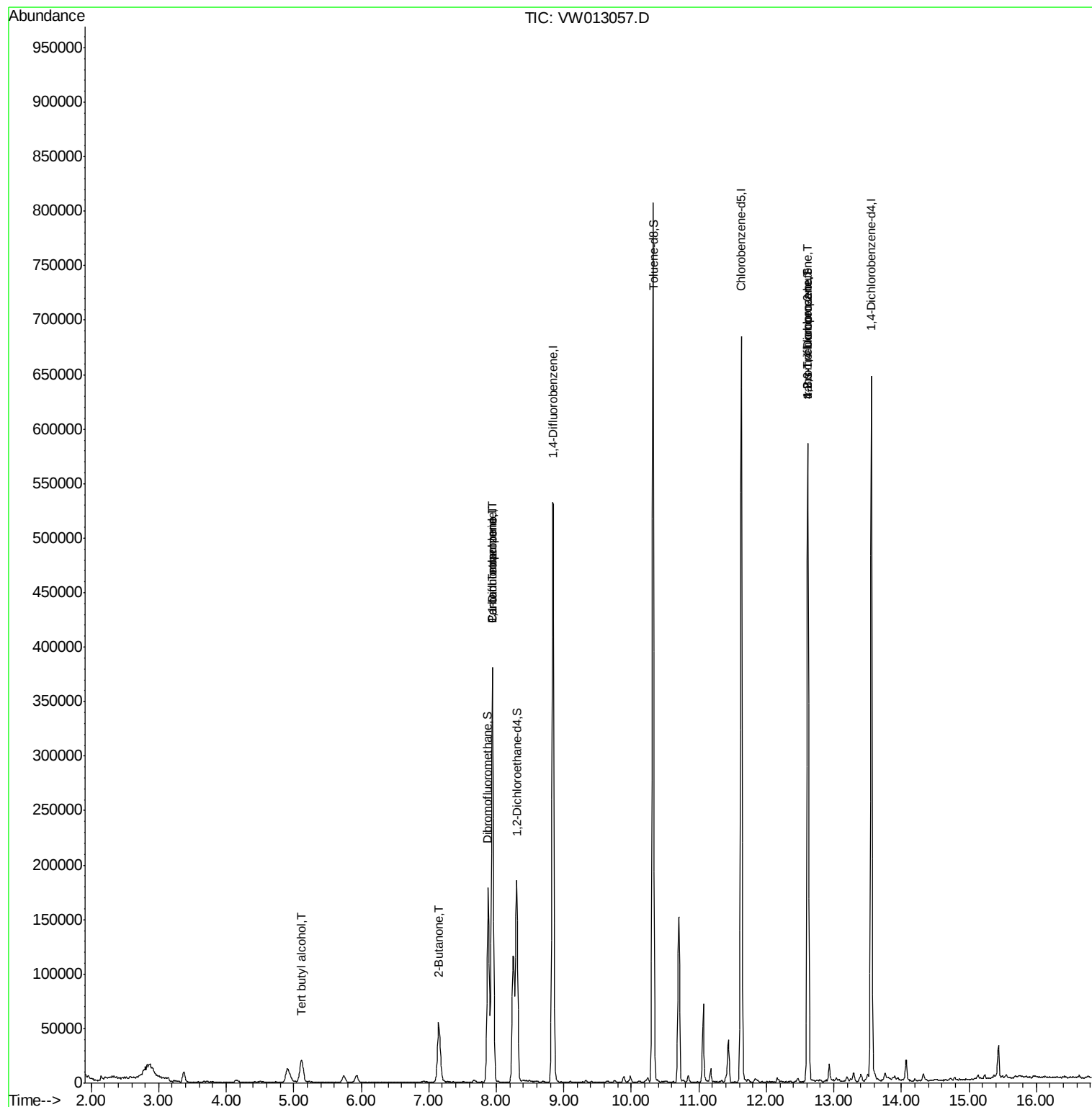
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	298384	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	451067	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	379424	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	170908	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	145839	52.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.84%	
35) Dibromofluoromethane	7.88	113	126851	51.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.66%	
50) Toluene-d8	10.32	98	524176	54.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.46%	
62) 4-Bromofluorobenzene	12.61	95	174738	50.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.48%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.00	85	873	Below Cal		80
3) Chloromethane	2.21	50	396	Below Cal	#	75
11) Tert butyl alcohol	5.12	59	19660	92.160	ug/l #	73
13) Acrolein	3.79	56	30	Below Cal	#	31
16) Acetone	4.15	43	4014	Below Cal		94
20) Methylene Chloride	4.90	84	9162	Below Cal		87
25) 2-Butanone	7.15	43	3958	4.517	ug/l #	68
26) 2,2-Dichloropropane	7.16	77	4243	Below Cal	#	55
31) Cyclohexane	7.95	56	6345	Below Cal	#	1
36) 1,1-Dichloropropene	7.95	75	21496	5.964	ug/l #	52
38) Carbon Tetrachloride	7.95	117	27279	7.385	ug/l #	14
76) 1,2,3-Trichloropropane	12.61	75	88426	59.068	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.61	75	88426	133.995	ug/l #	7

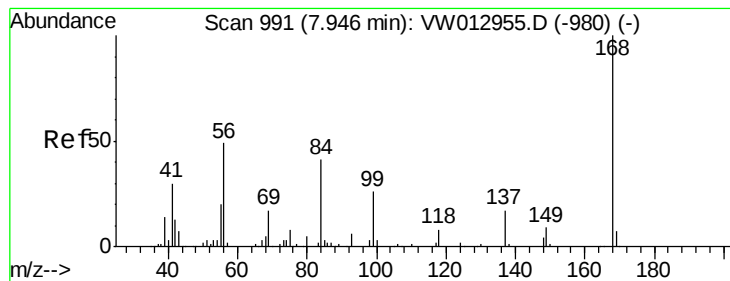
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013057.D

Acq: 16 Sep 2019 23:19

Instrument :

MSVOA_W

ClientSampleId :

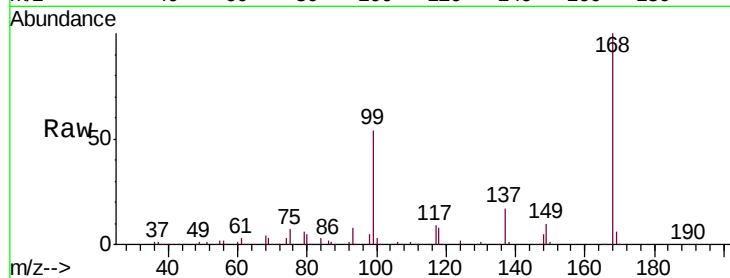
VW0916SBL02

Tgt Ion:168 Resp: 298384

Ion Ratio Lower Upper

168 100

99 54.2 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

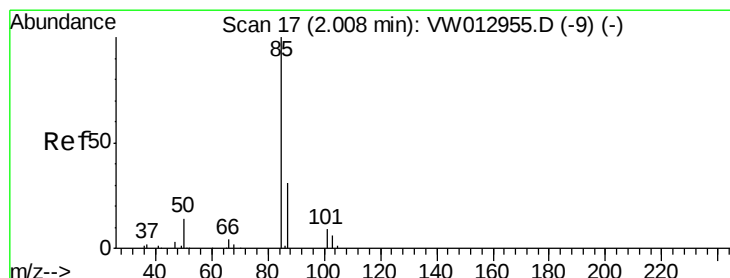
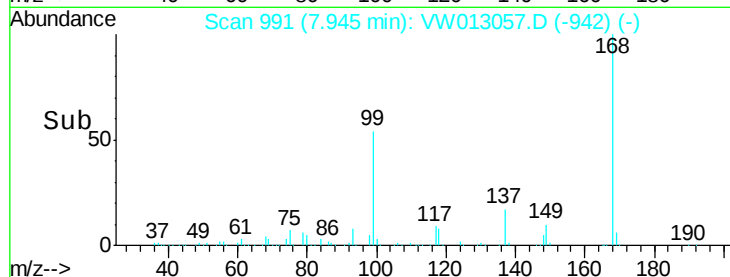
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW013057.D

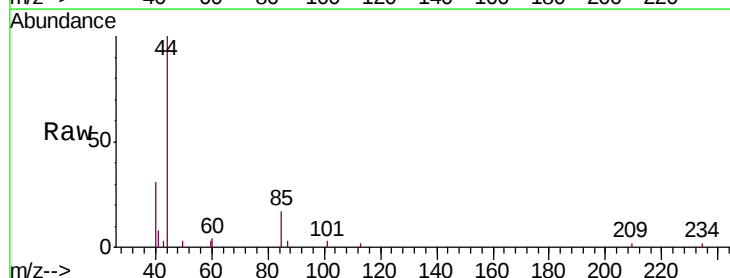
Acq: 16 Sep 2019 23:19

Tgt Ion: 85 Resp: 873

Ion Ratio Lower Upper

85 100

87 19.8 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

400

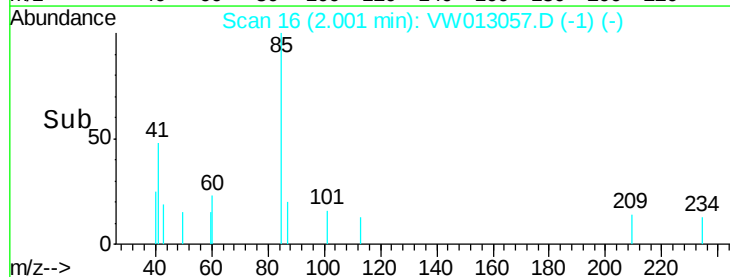
300

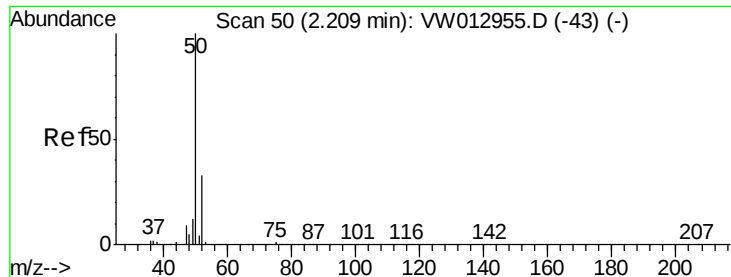
200

100

0

Time--> 1.95 2.00 2.05





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW013057.D

Acq: 16 Sep 2019 23:19

Instrument :

MSVOA_W

ClientSampleId :

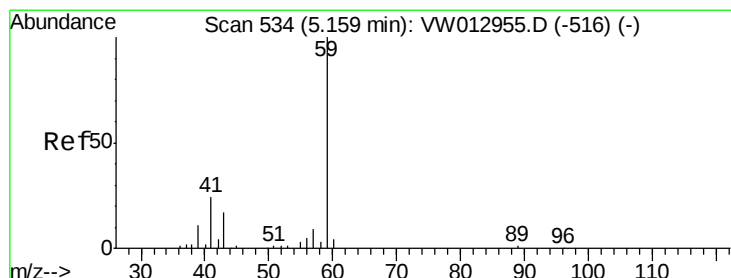
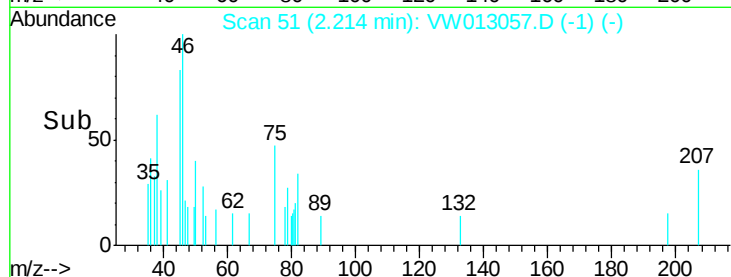
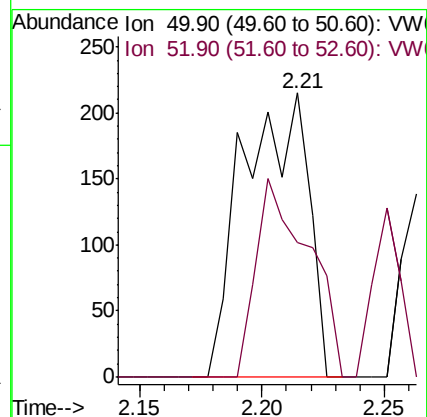
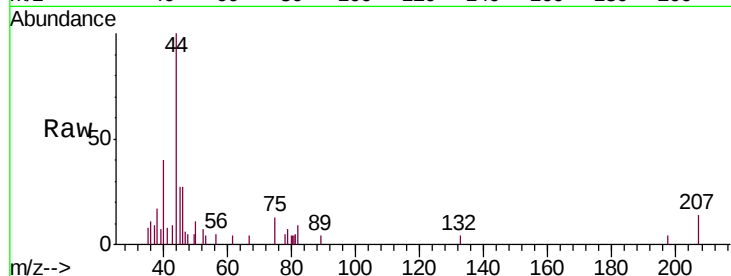
VW0916SBL02

Tgt Ion: 50 Resp: 396

Ion Ratio Lower Upper

50 100

52 47.4 26.6 39.8#



#11

Tert butyl alcohol

Concen: 92.160 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.04 min

Lab File: VW013057.D

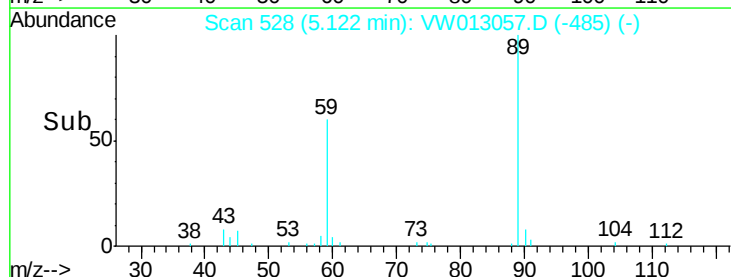
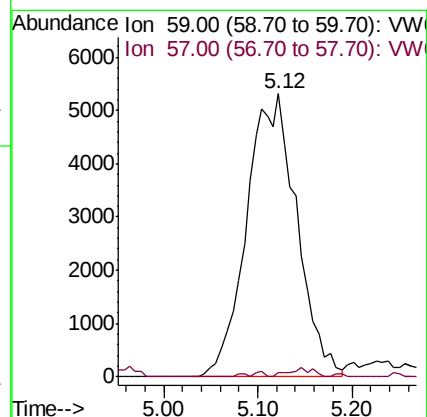
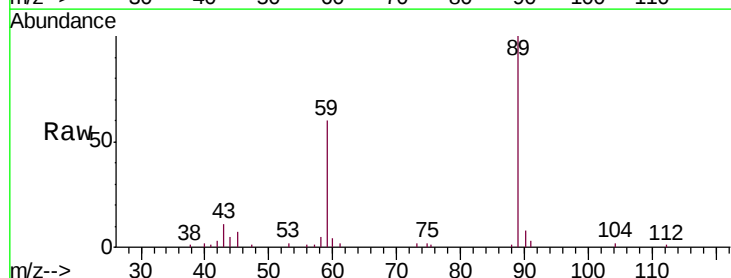
Acq: 16 Sep 2019 23:19

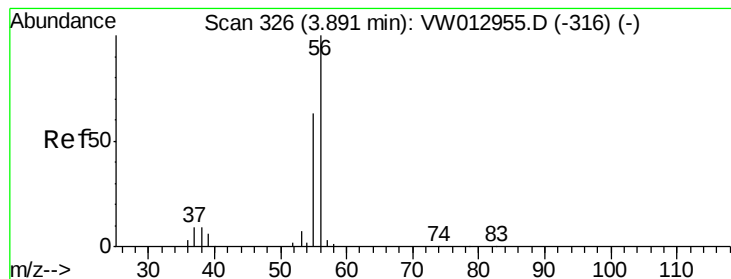
Tgt Ion: 59 Resp: 19660

Ion Ratio Lower Upper

59 100

57 0.3 8.5 12.7#





#13

Acrolein

Concen: Below Cal

RT: 3.79 min Scan# 310

Delta R.T. -0.10 min

Lab File: VW013057.D

Acq: 16 Sep 2019 23:19

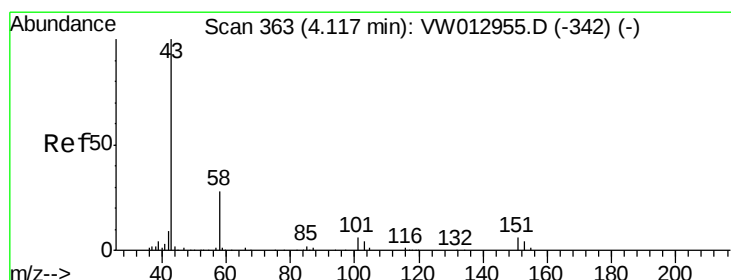
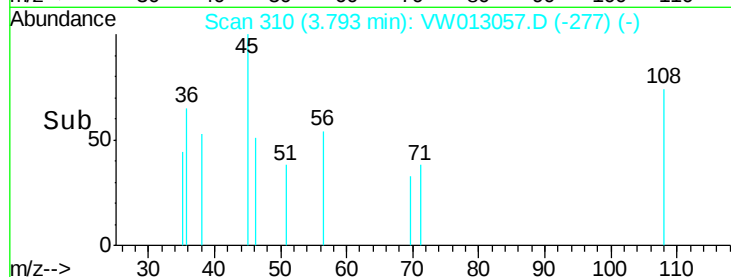
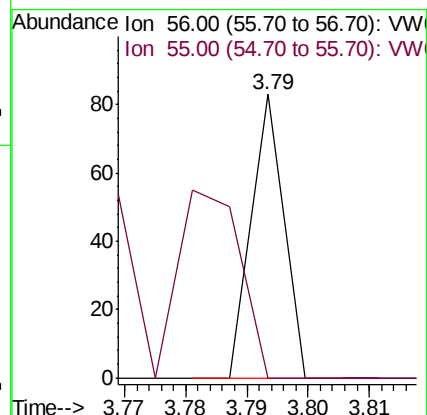
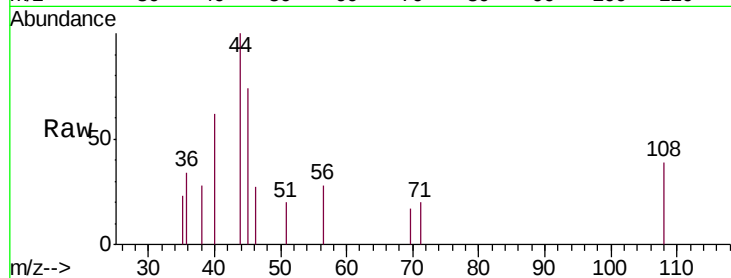
Instrument :
MSVOA_W
ClientSampleId :
VW0916SBL02

Tgt Ion: 56 Resp: 30

Ion Ratio Lower Upper

56 100

55 126.7 55.8 83.8#



#16

Acetone

Concen: Below Cal

RT: 4.15 min Scan# 369

Delta R.T. 0.04 min

Lab File: VW013057.D

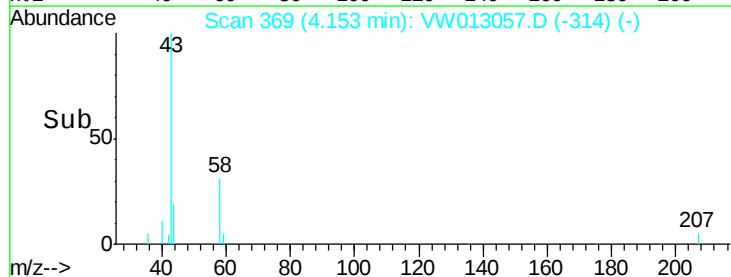
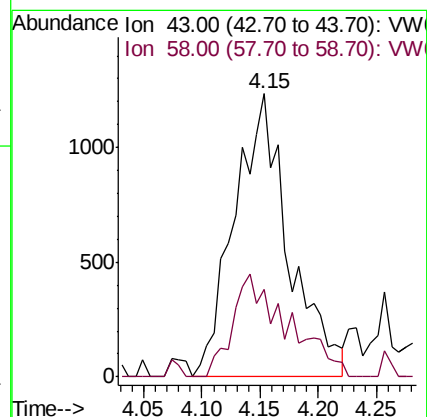
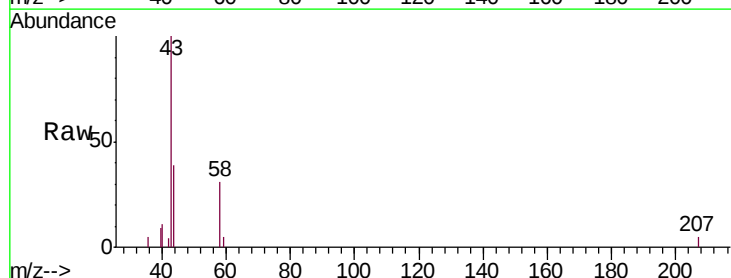
Acq: 16 Sep 2019 23:19

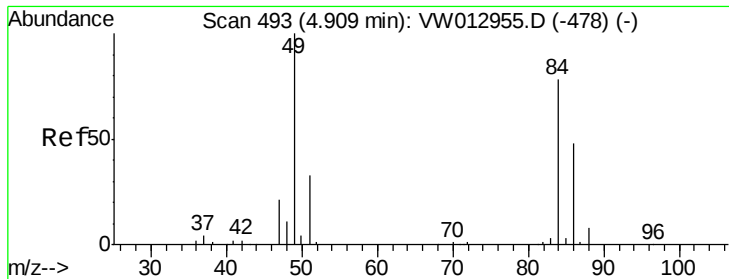
Tgt Ion: 43 Resp: 4014

Ion Ratio Lower Upper

43 100

58 31.1 22.3 33.5

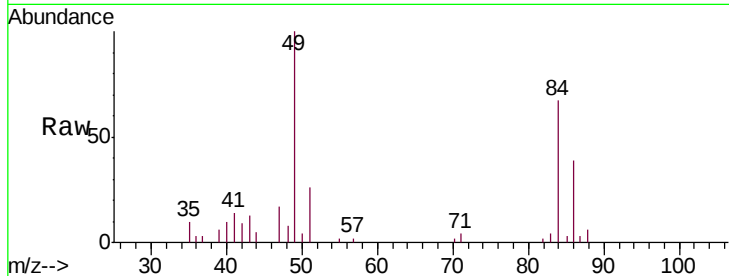




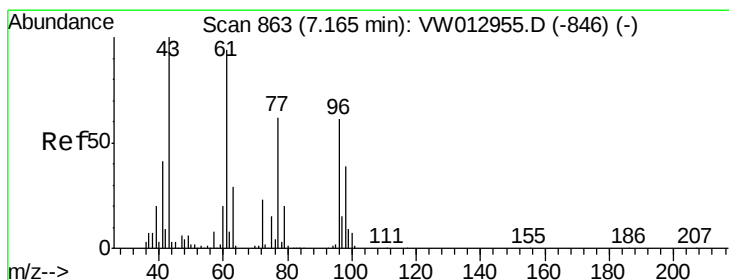
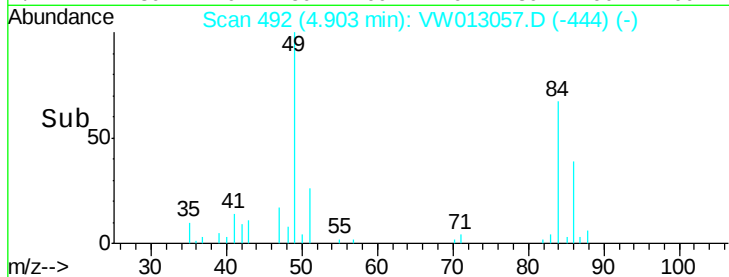
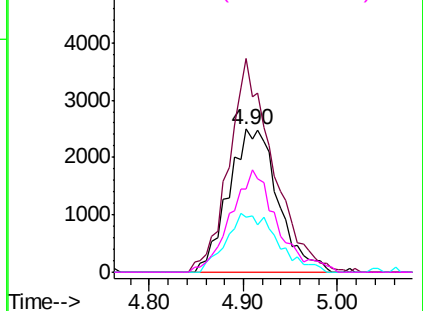
#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW013057.D
Acq: 16 Sep 2019 23:19

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBL02

Tgt Ion: 84 Resp: 9162
Ion Ratio Lower Upper
84 100
49 149.2 102.0 153.0
51 38.3 34.0 51.0
86 58.0 48.5 72.7

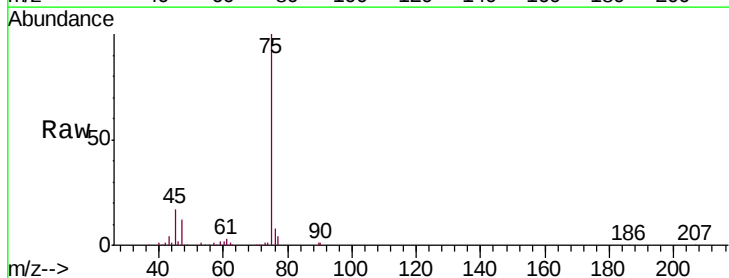


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

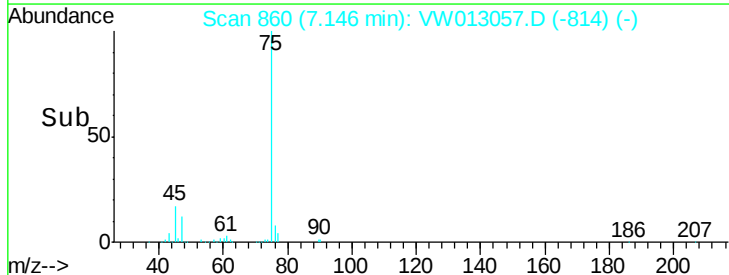
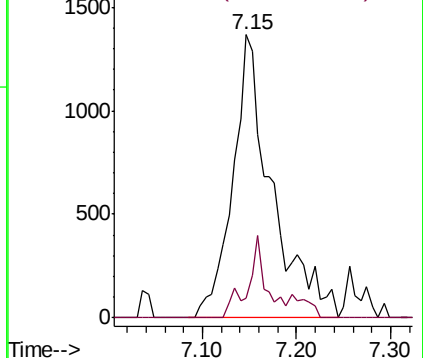


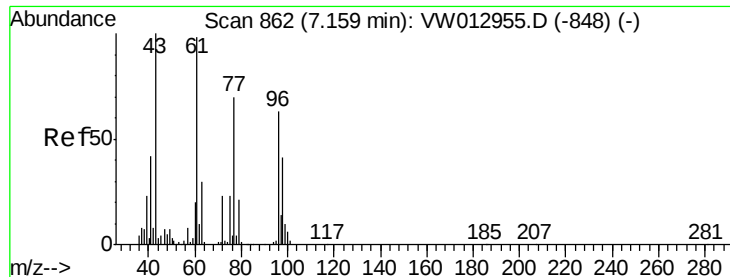
#25
2-Butanone
Concen: 4.517 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW013057.D
Acq: 16 Sep 2019 23:19

Tgt Ion: 43 Resp: 3958
Ion Ratio Lower Upper
43 100
72 7.1 18.2 27.4#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

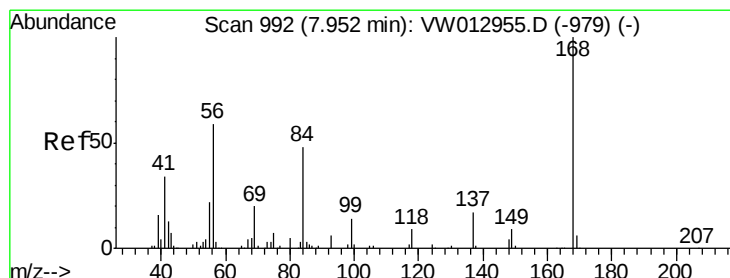
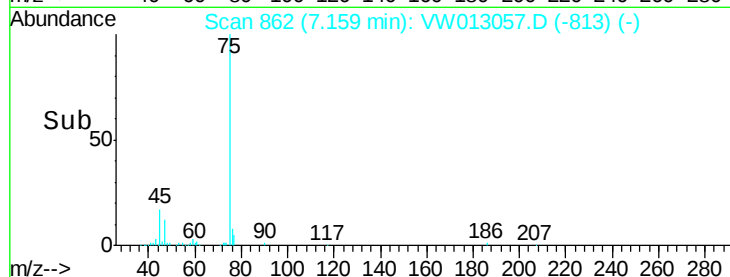
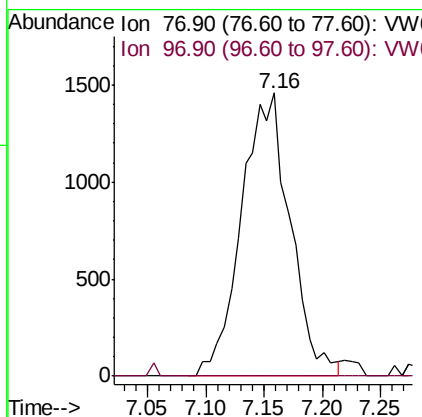
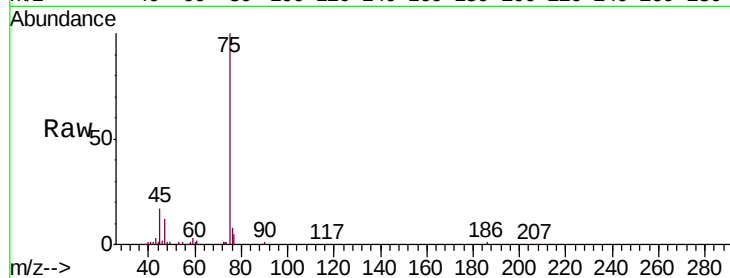




#26
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.16 min Scan# 862
 Delta R.T. -0.00 min
 Lab File: VW013057.D
 Acq: 16 Sep 2019 23:19

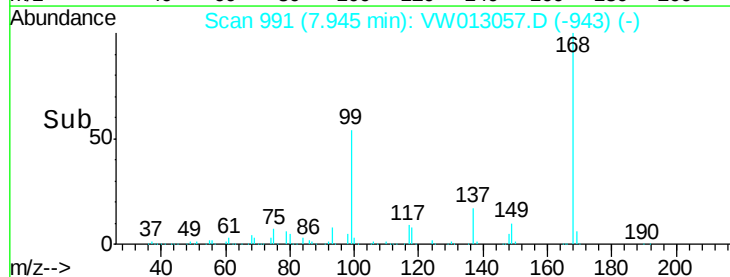
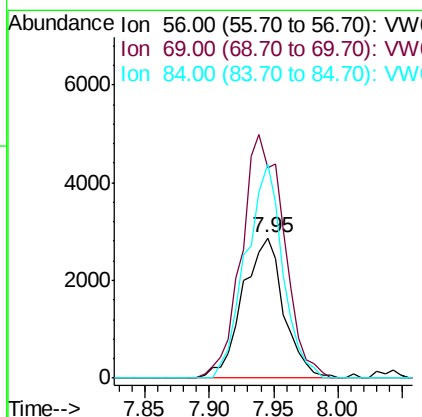
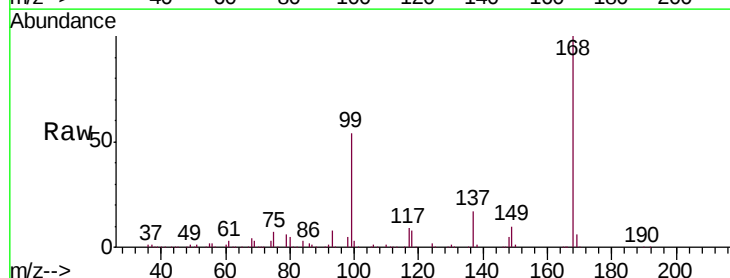
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBL02

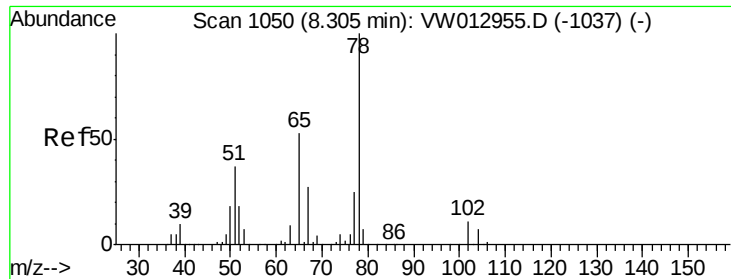
Tgt Ion: 77 Resp: 4243
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.7 32.1#



#31
 Cyclohexane
 Concen: Below Cal
 RT: 7.95 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VW013057.D
 Acq: 16 Sep 2019 23:19

Tgt Ion: 56 Resp: 6345
 Ion Ratio Lower Upper
 56 100
 69 149.6 27.0 40.6#
 84 153.0 66.2 99.2#





#33

1,2-Dichloroethane-d4

Concen: 52.921 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013057.D

Acq: 16 Sep 2019 23:19

Instrument :

MSVOA_W

ClientSampleId :

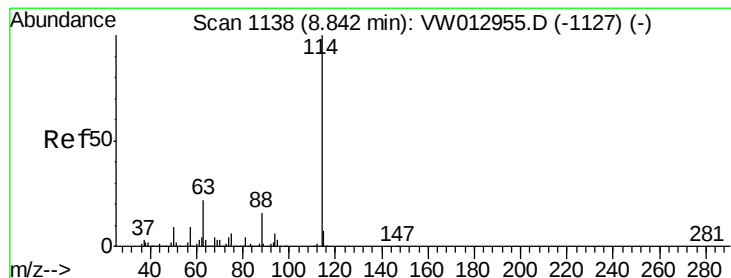
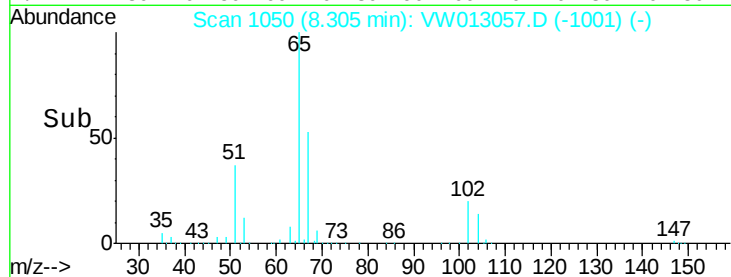
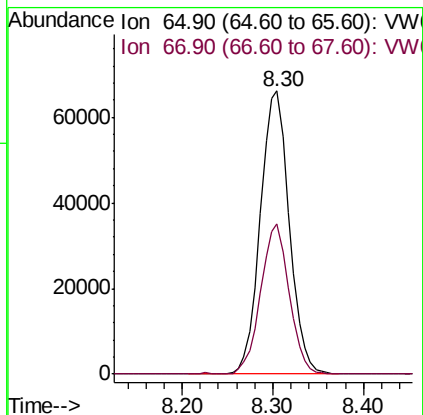
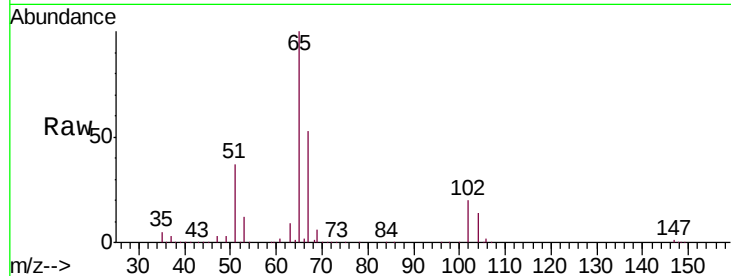
VW0916SBL02

Tgt Ion: 65 Resp: 145839

Ion Ratio Lower Upper

65 100

67 52.5 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: VW013057.D

Acq: 16 Sep 2019 23:19

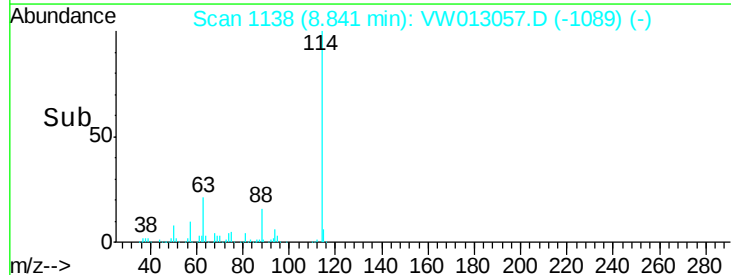
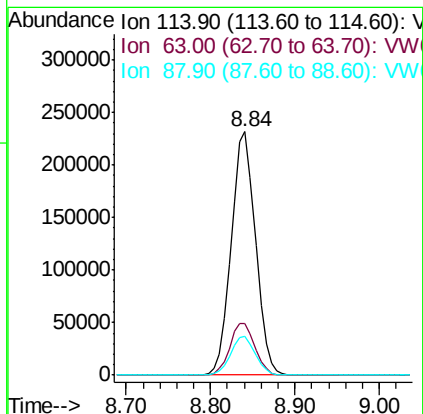
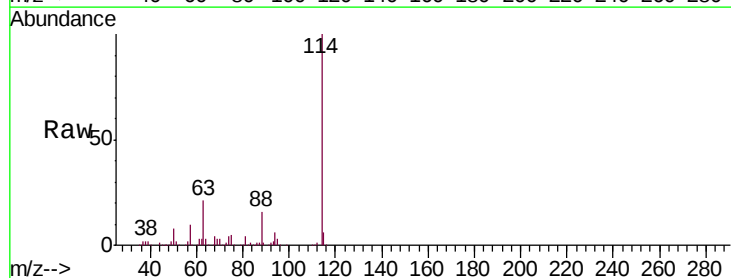
Tgt Ion: 114 Resp: 451067

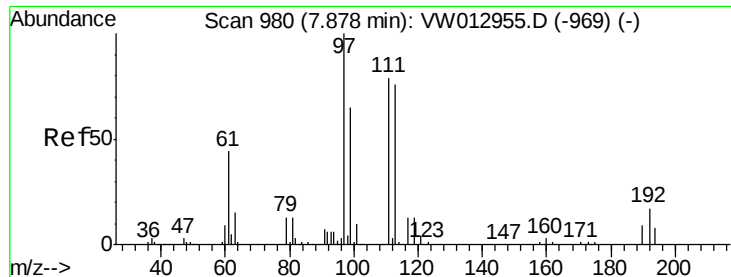
Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.4

88 15.7 0.0 31.6

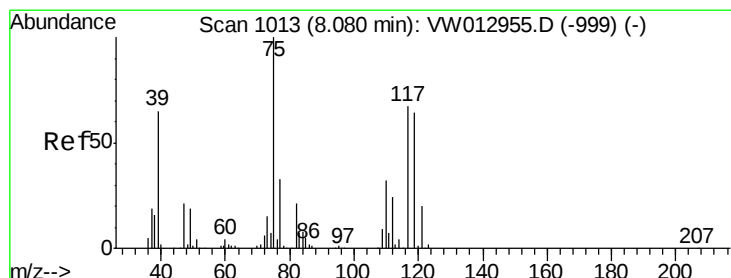
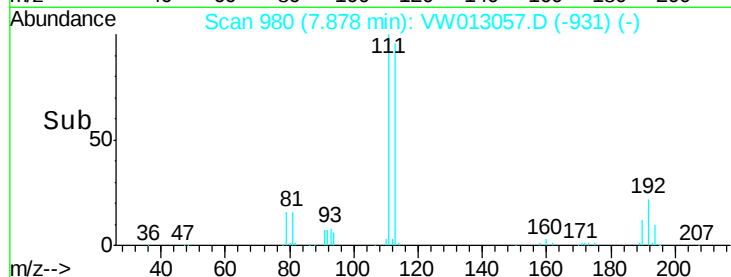
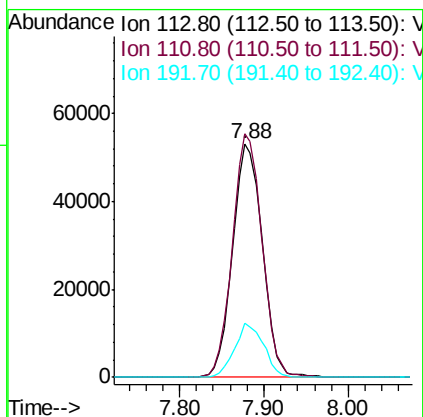
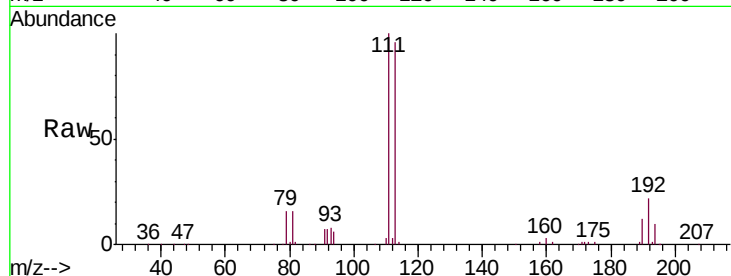




#35
 Dibromofluoromethane
 Concen: 51.828 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013057.D
 Acq: 16 Sep 2019 23:19

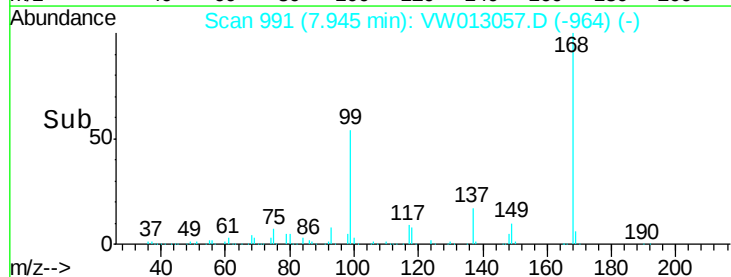
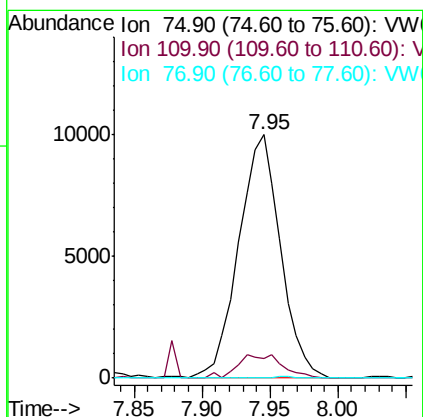
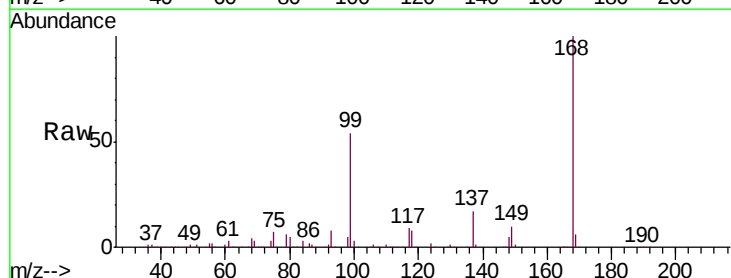
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBL02

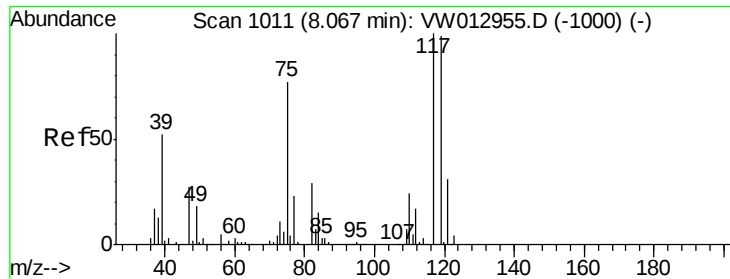
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.8	124.2
192	22.5	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 5.964 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013057.D
 Acq: 16 Sep 2019 23:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.3	16.4	49.1#
77	0.0	25.1	37.7#

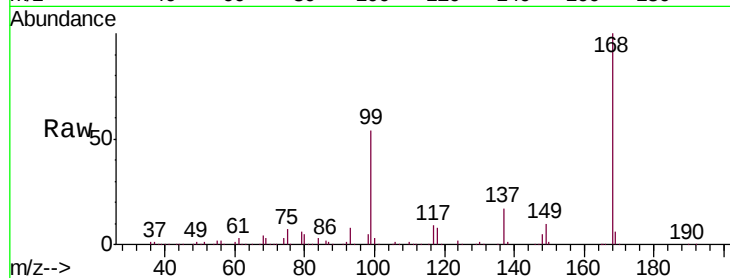




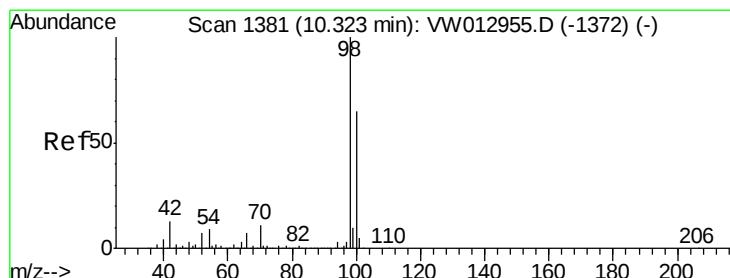
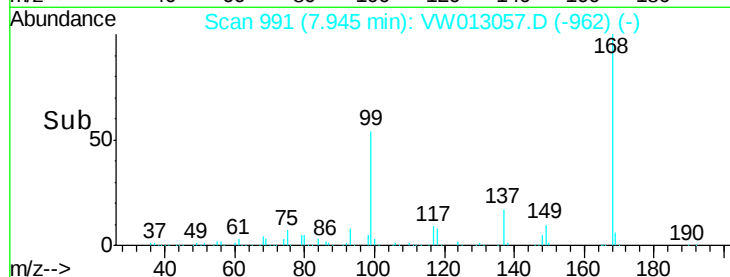
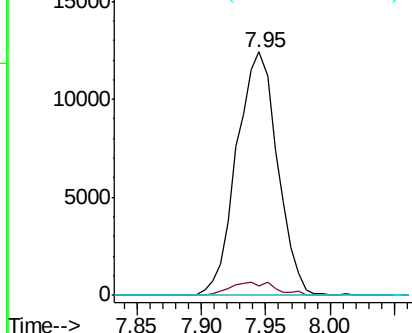
#38
Carbon Tetrachloride
Concen: 7.385 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013057.D
Acq: 16 Sep 2019 23:19

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBL02

Tgt Ion:117 Resp: 27279
Ion Ratio Lower Upper
117 100
119 4.1 79.4 119.0#
121 0.0 24.6 36.8#

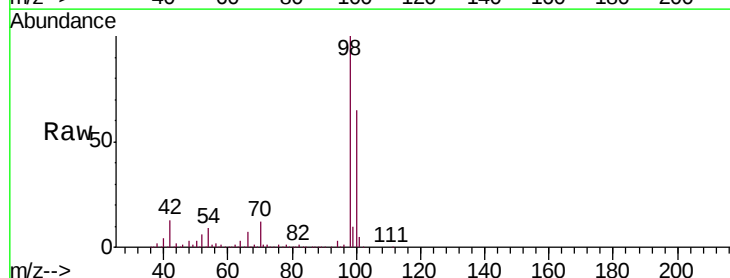


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

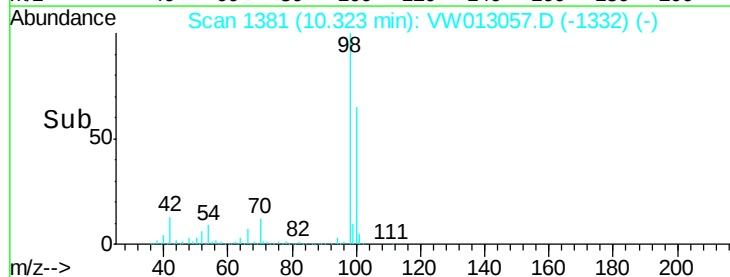
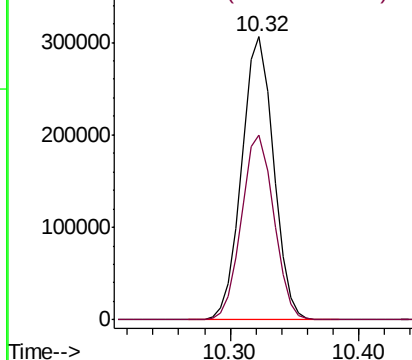


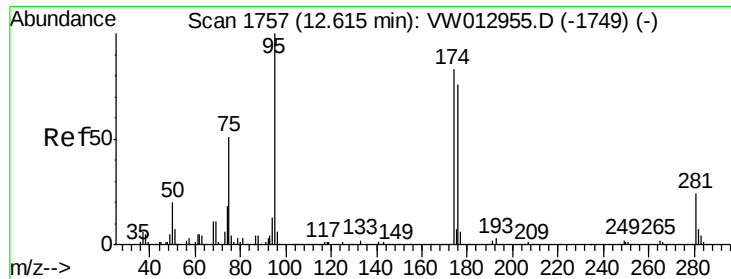
#50
Toluene-d8
Concen: 54.730 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013057.D
Acq: 16 Sep 2019 23:19

Tgt Ion: 98 Resp: 524176
Ion Ratio Lower Upper
98 100
100 66.4 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

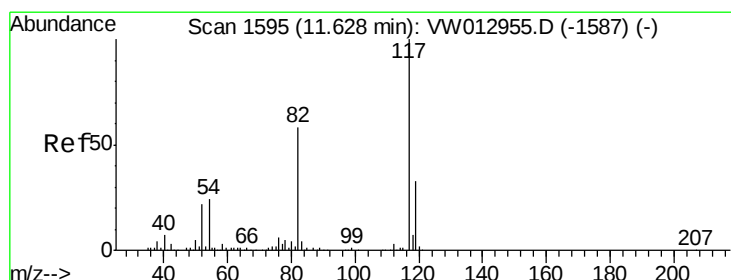
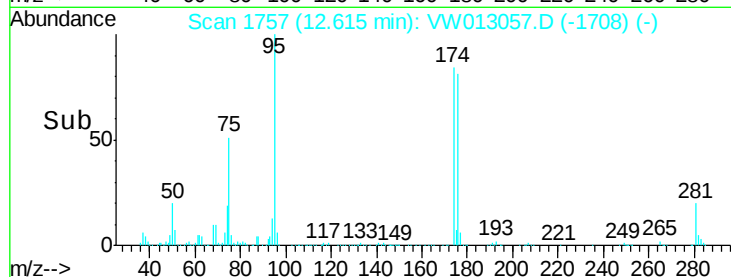
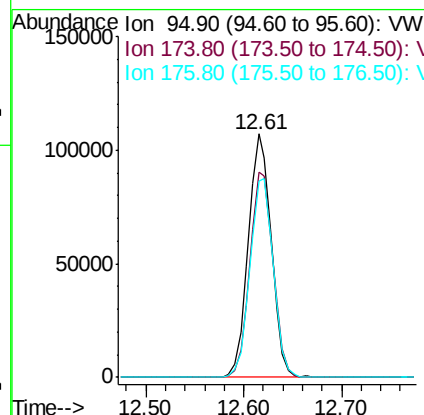
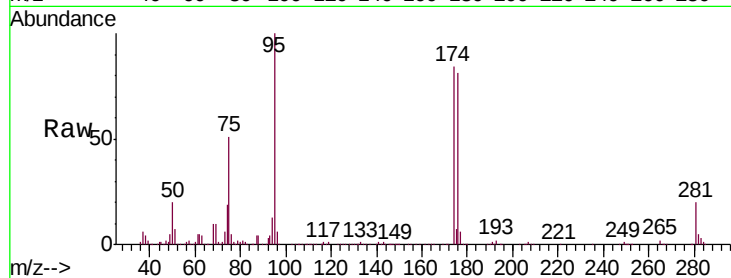




#62
4-Bromofluorobenzene
Concen: 50.739 ug/l
RT: 12.61 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013057.D
Acq: 16 Sep 2019 23:19

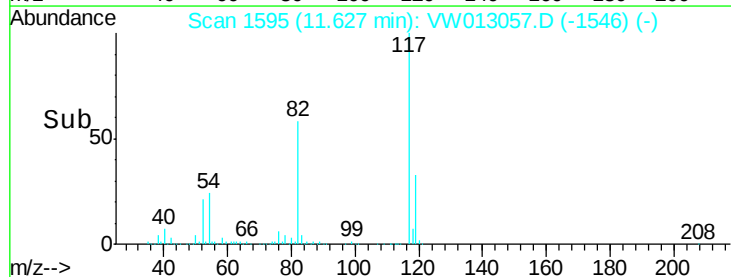
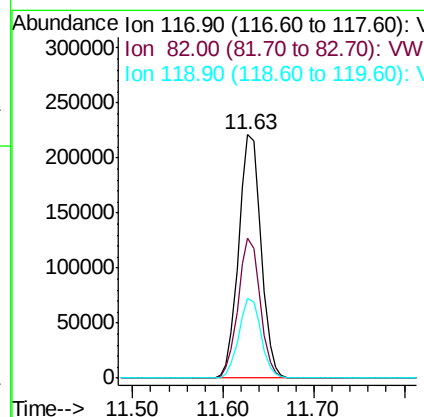
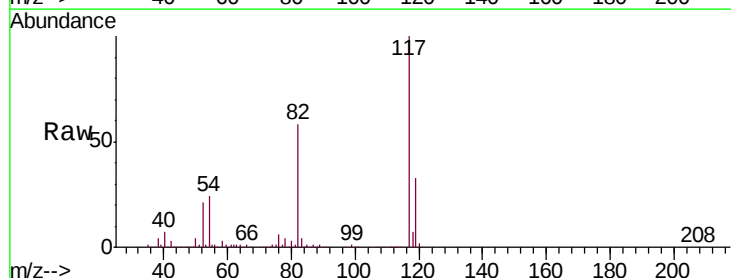
Instrument :
MSVOA_W
ClientSampleId :
VW0916SBL02

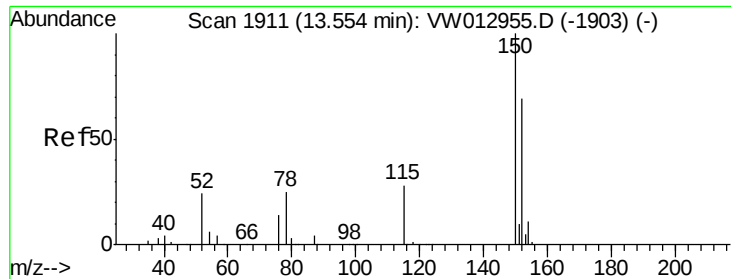
Tgt Ion: 95 Resp: 174738
Ion Ratio Lower Upper
95 100
174 84.7 0.0 170.4
176 82.4 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013057.D
Acq: 16 Sep 2019 23:19

Tgt Ion: 117 Resp: 379424
Ion Ratio Lower Upper
117 100
82 57.7 46.3 69.5
119 32.8 26.2 39.4



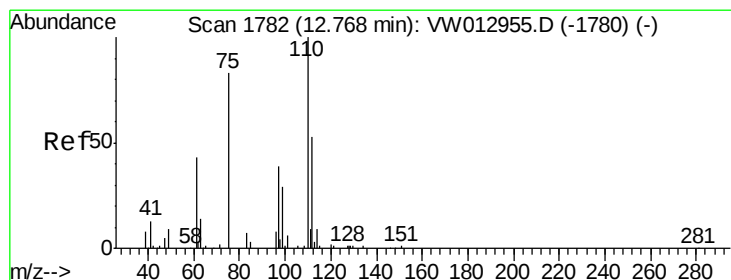
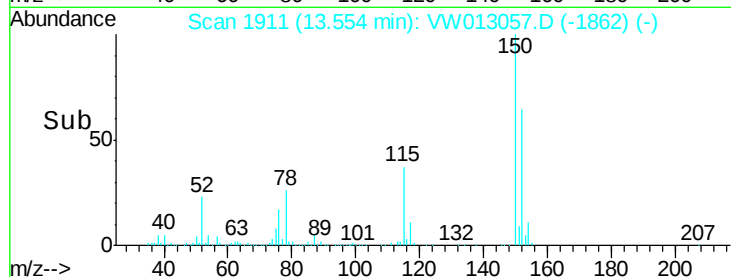
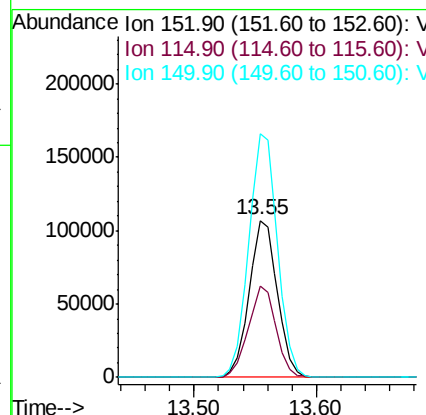
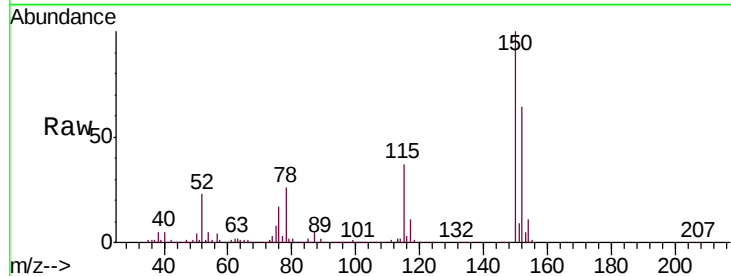


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW013057.D
Acq: 16 Sep 2019 23:19

Instrument :
MSVOA_W
ClientSampleId :
VW0916SBL02

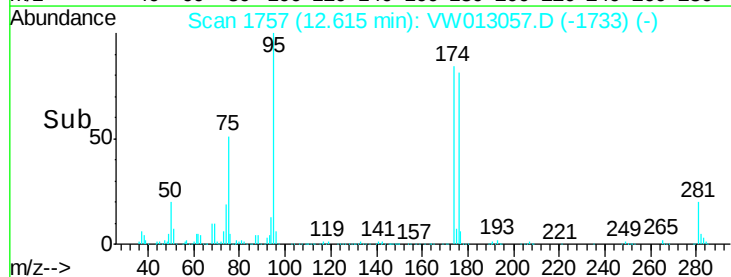
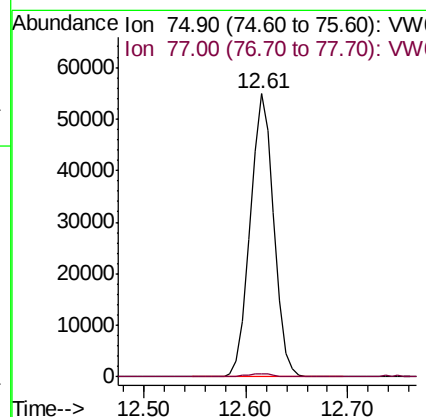
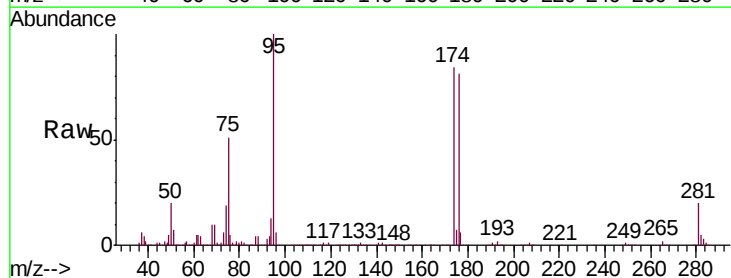
Tgt Ion:152 Resp: 170908
Ion Ratio Lower Upper
152 100
115 57.4 28.8 86.4
150 158.0 0.0 340.2

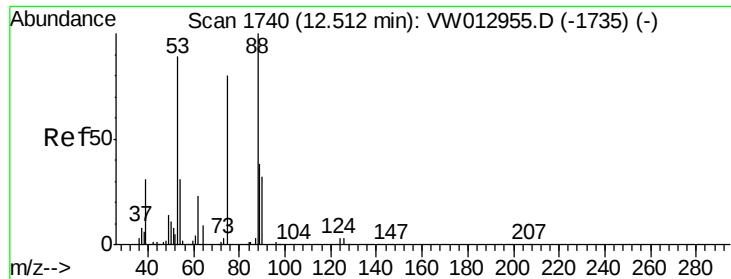


#76

1,2,3-Trichloropropane
Concen: 59.068 ug/l
RT: 12.61 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW013057.D
Acq: 16 Sep 2019 23:19

Tgt Ion: 75 Resp: 88426
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 133.995 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013057.D

Acq: 16 Sep 2019 23:19

Instrument :

MSVOA_W

ClientSampleId :

VW0916SBL02

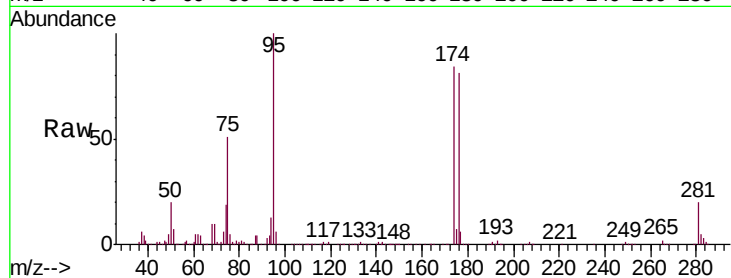
Tgt Ion: 75 Resp: 88426

Ion Ratio Lower Upper

75 100

53 0.1 85.6 128.4#

89 0.4 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

