

Data File : VW012961.D
Acq On : 13 Sep 2019 19:15
Operator : SY/VA
Sample : VW0914SBL01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0914SBL01

Quant Time: Sep 14 04:21:08 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	269939	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	399273	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	332504	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	147206	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	140662	56.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.84%	
35) Dibromofluoromethane	7.88	113	118734	54.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.60%	
50) Toluene-d8	10.32	98	466345	55.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.02%	
62) 4-Bromofluorobenzene	12.62	95	153209	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	

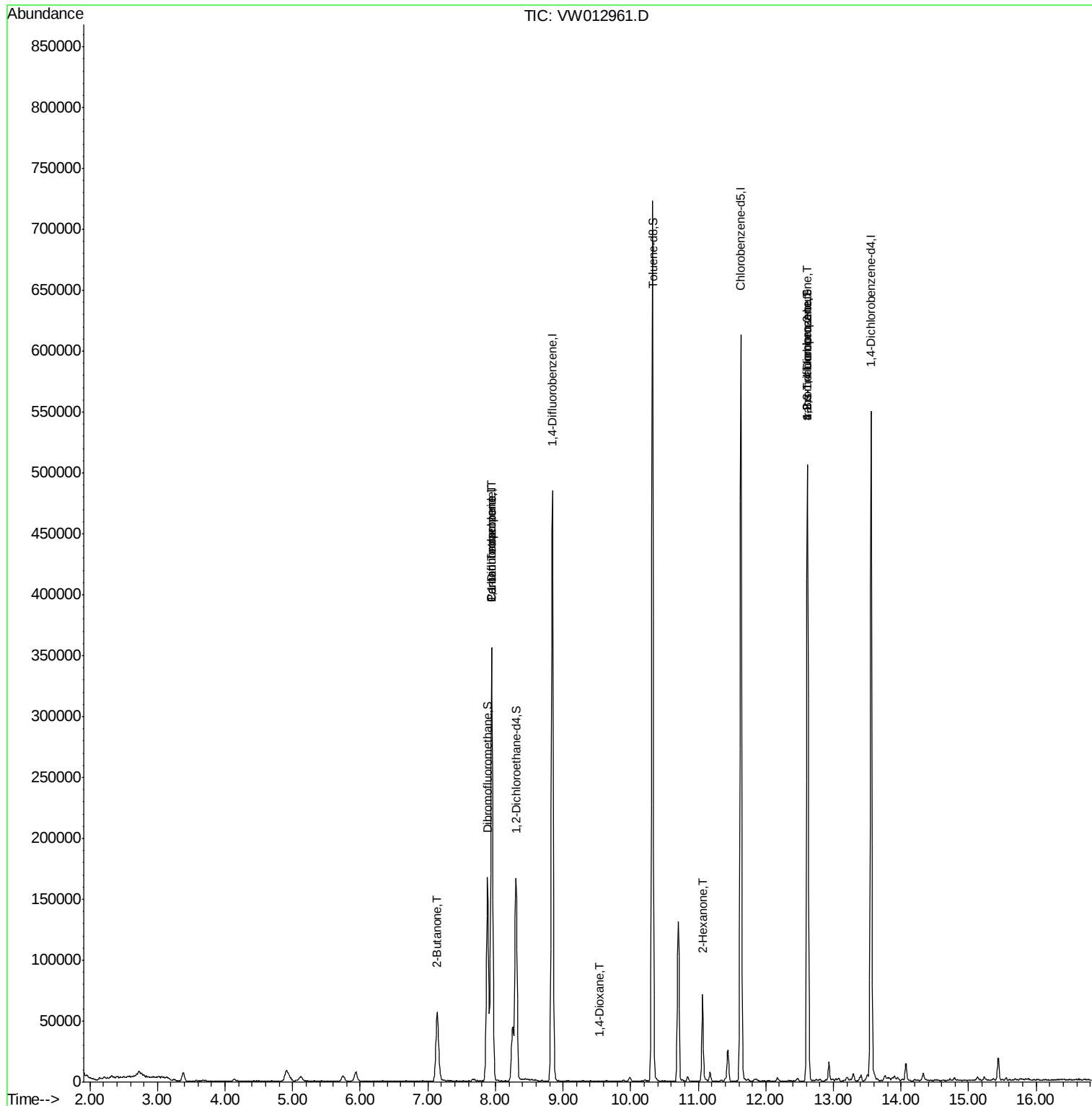
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.00	85	394	Below Cal		90
3) Chloromethane	2.21	50	350	Below Cal	#	41
11) Tert butyl alcohol	5.19	59	367	Below Cal	#	94
13) Acrolein	3.93	56	50	Below Cal	#	15
16) Acetone	4.14	43	3400	Below Cal		100
20) Methylene Chloride	4.90	84	6344	Below Cal		88
25) 2-Butanone	7.13	43	1763	2.224 ug/l	#	72
26) 2,2-Dichloropropane	7.13	77	3972	Below Cal	#	55
31) Cyclohexane	7.94	56	5643	Below Cal	#	4
36) 1,1-Dichloropropene	7.95	75	21993	6.893 ug/l	#	50
38) Carbon Tetrachloride	7.95	117	24691	7.552 ug/l	#	14
49) 1,4-Dioxane	9.54	88	47	2.474 ug/l	#	1
59) 2-Hexanone	11.07	43	1311	1.122 ug/l		74
76) 1,2,3-Trichloropropane	12.62	75	80318	62.291 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.62	75	80318	141.305 ug/l	#	7

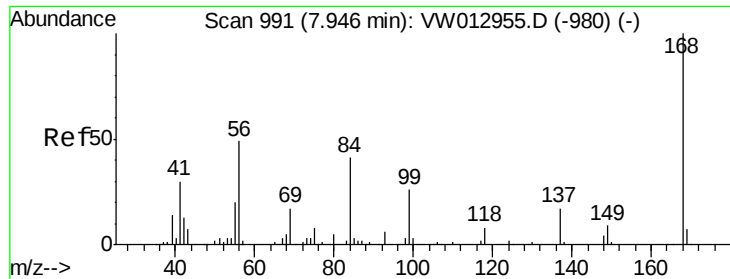
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012961.D

Acq: 13 Sep 2019 19:15

Instrument :

MSVOA_W

ClientSampleId :

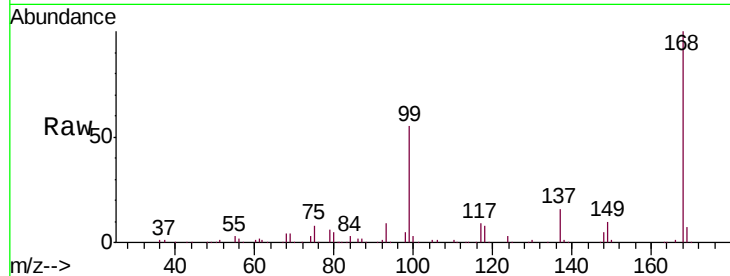
VW0914SBL01

Tgt Ion:168 Resp: 269939

Ion Ratio Lower Upper

168 100

99 54.9 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

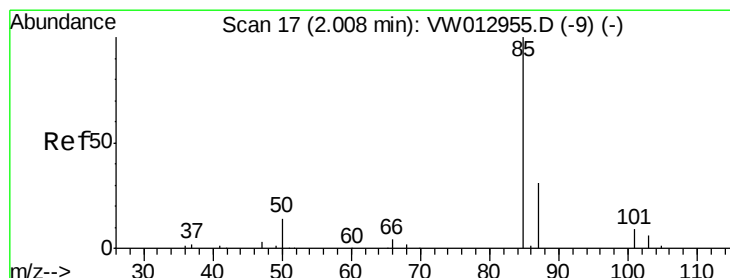
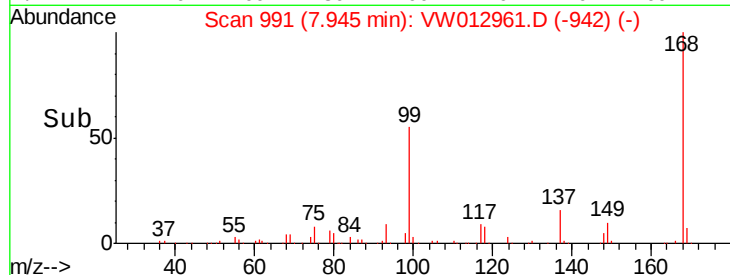
7.95

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: VW012961.D

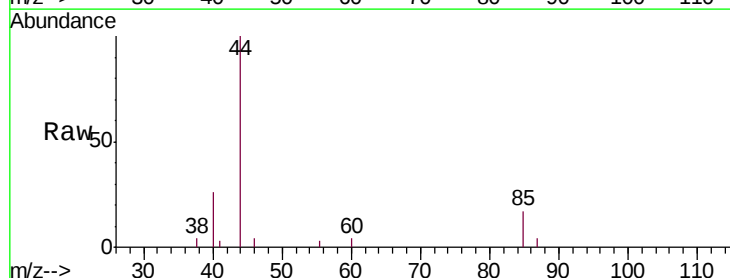
Acq: 13 Sep 2019 19:15

Tgt Ion: 85 Resp: 394

Ion Ratio Lower Upper

85 100

87 25.4 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

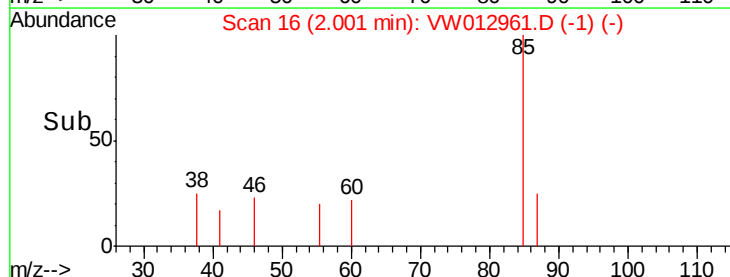
300

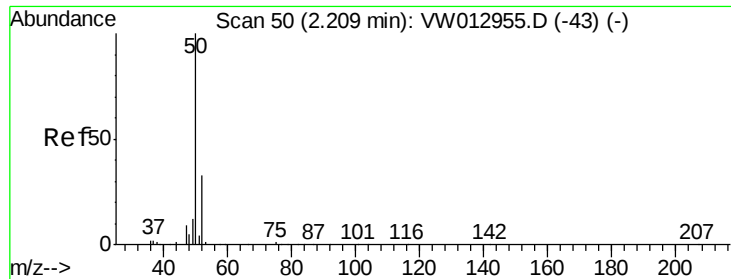
200

100

0

Time--> 1.96 1.98 2.00 2.02





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW012961.D

Acq: 13 Sep 2019 19:15

Instrument :

MSVOA_W

ClientSampleId :

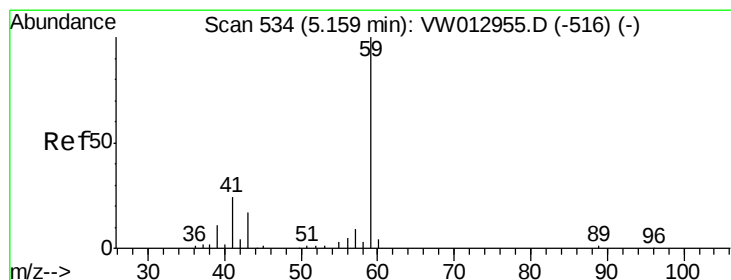
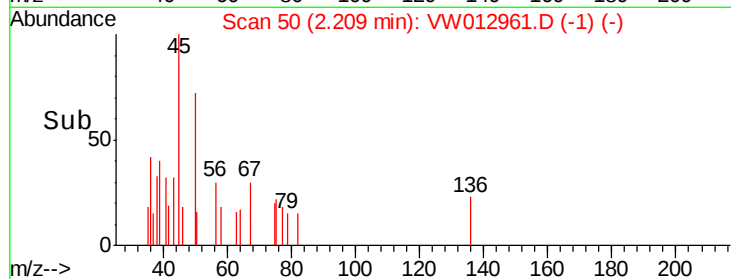
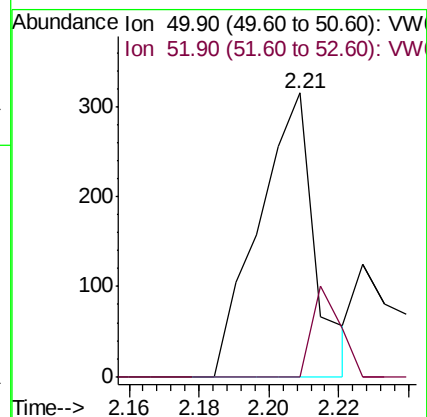
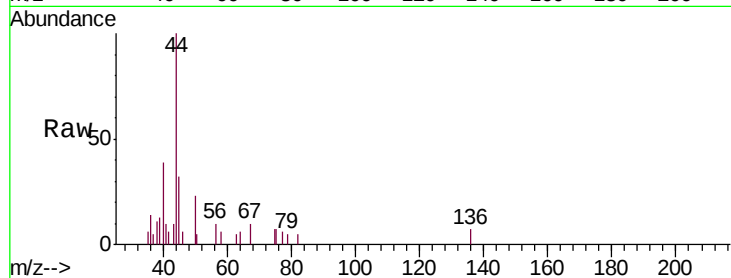
VW0914SBL01

Tgt Ion: 50 Resp: 350

Ion Ratio Lower Upper

50 100

52 0.0 26.6 39.8#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 539

Delta R.T. 0.03 min

Lab File: VW012961.D

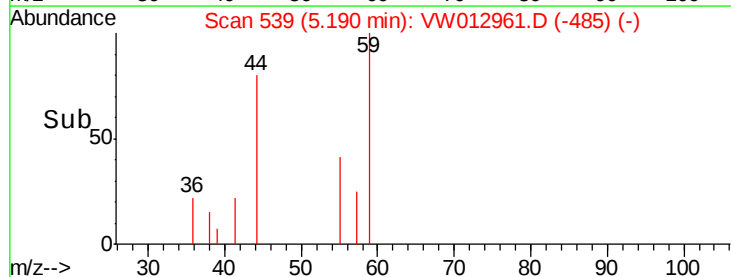
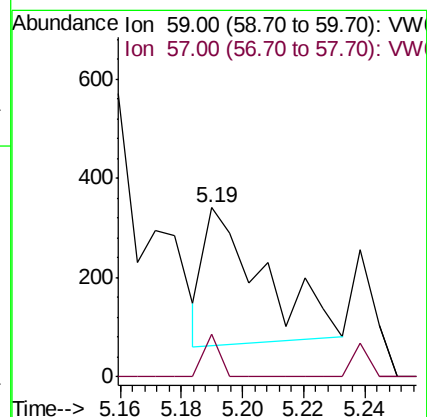
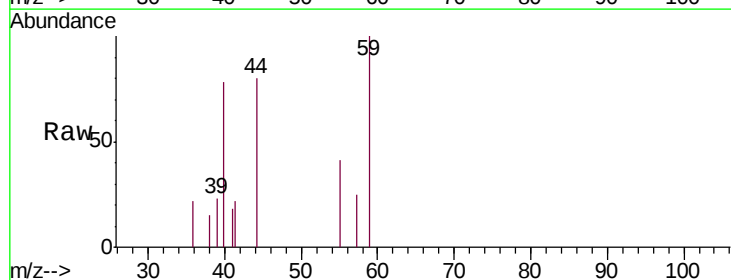
Acq: 13 Sep 2019 19:15

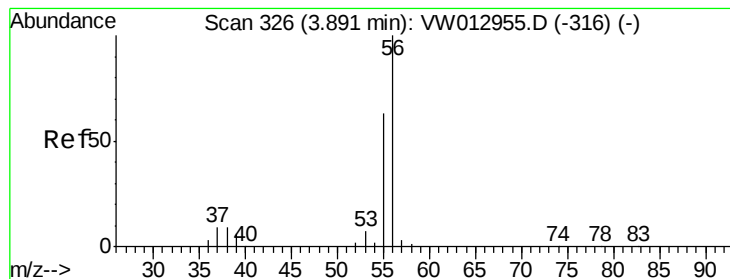
Tgt Ion: 59 Resp: 367

Ion Ratio Lower Upper

59 100

57 8.4 8.5 12.7#





#13

Acrolein

Concen: Below Cal

RT: 3.93 min Scan# 333

Delta R.T. 0.04 min

Lab File: VW012961.D

Acq: 13 Sep 2019 19:15

Instrument :

MSVOA_W

ClientSampled :

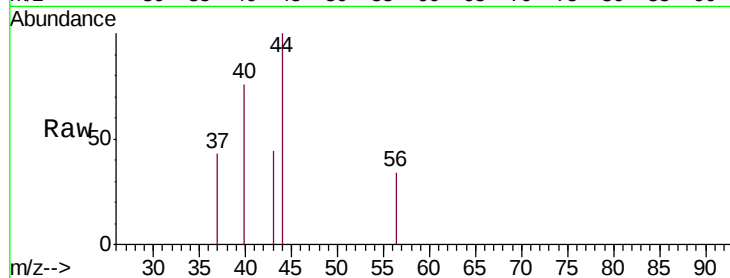
VW0914SBL01

Tgt Ion: 56 Resp: 50

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

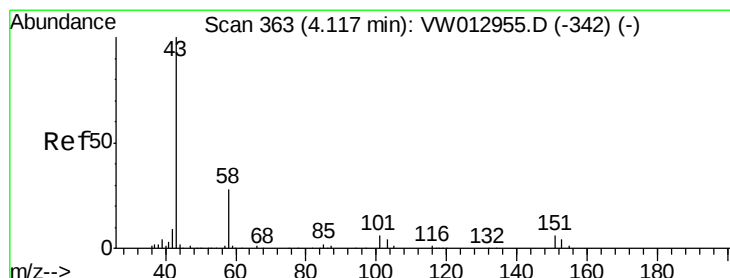
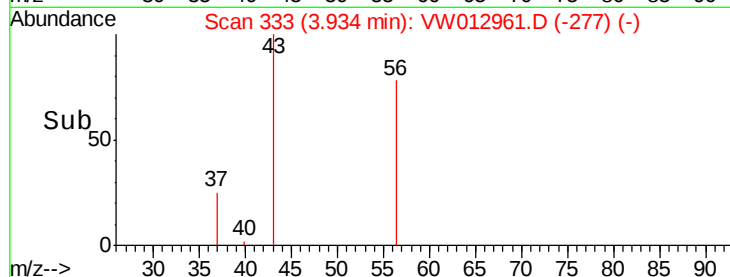
100

50

0

3.92 3.93 3.94

Time-->



#16

Acetone

Concen: Below Cal

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW012961.D

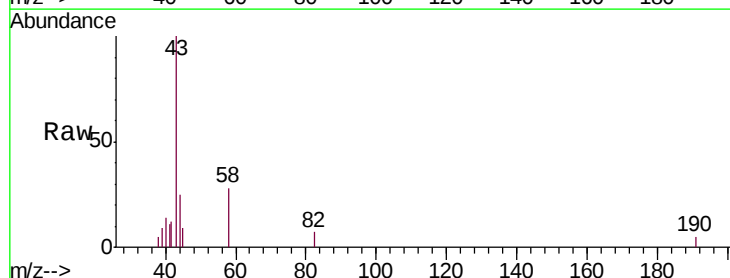
Acq: 13 Sep 2019 19:15

Tgt Ion: 43 Resp: 3400

Ion Ratio Lower Upper

43 100

58 28.1 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

1200

1000

800

600

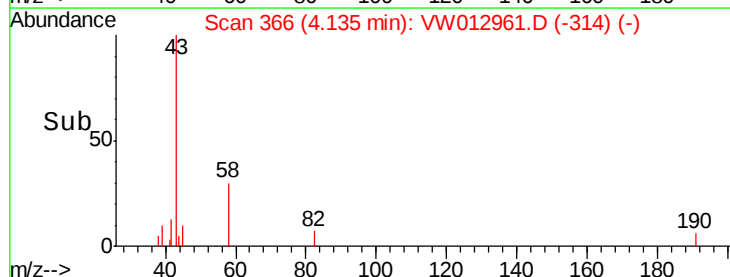
400

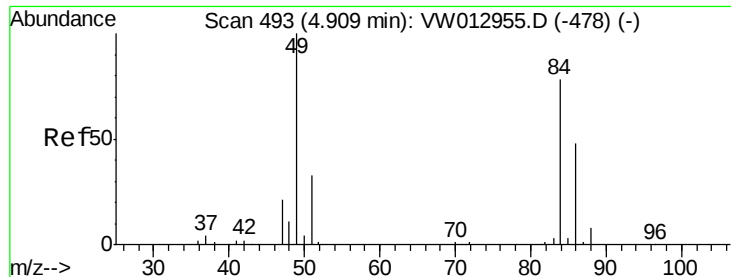
200

0

4.05 4.10 4.14 4.15 4.20

Time-->

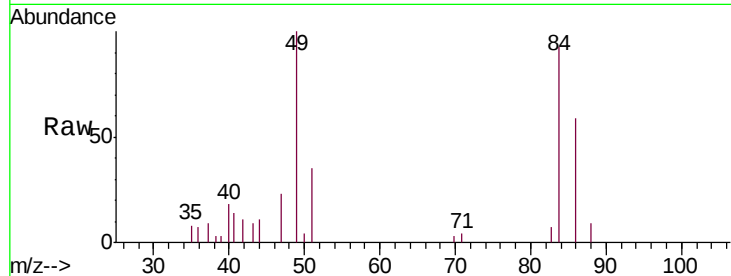




#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW012961.D
Acq: 13 Sep 2019 19:15

Instrument :
MSVOA_W
ClientSampleId :
VW0914SBL01

Tgt Ion:	84	Resp:	6344
Ion	Ratio	Lower	Upper
84	100		
49	107.6	102.0	153.0
51	38.0	34.0	51.0
86	63.4	48.5	72.7



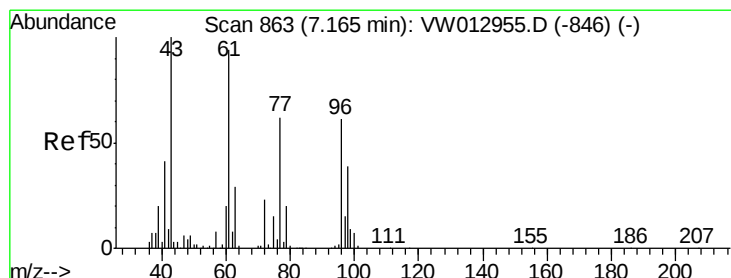
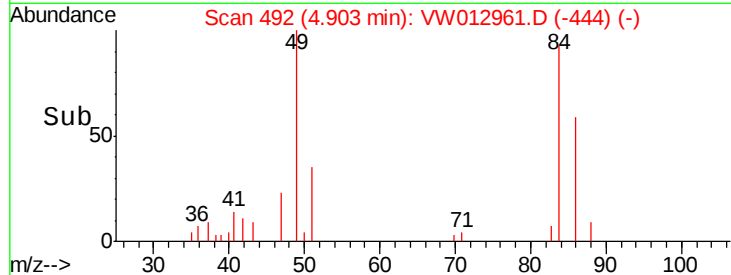
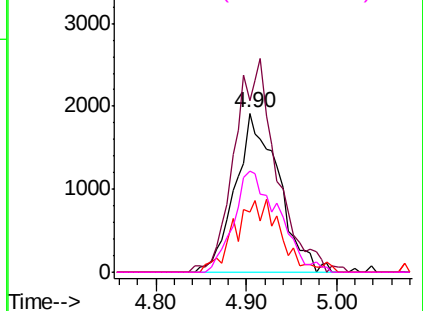
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

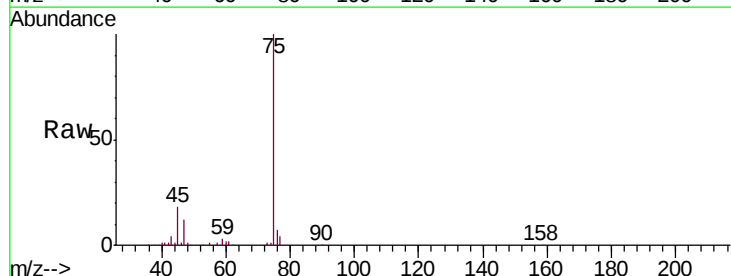
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25
2-Butanone
Concen: 2.224 ug/l
RT: 7.13 min Scan# 857
Delta R.T. -0.04 min
Lab File: VW012961.D
Acq: 13 Sep 2019 19:15

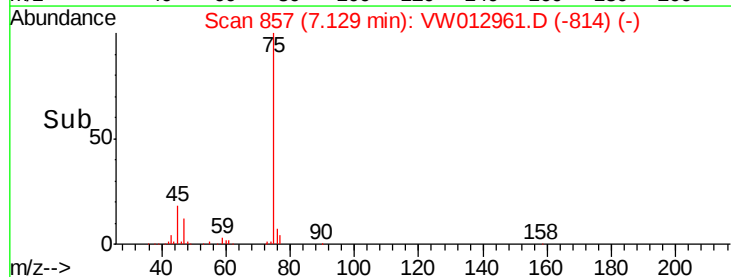
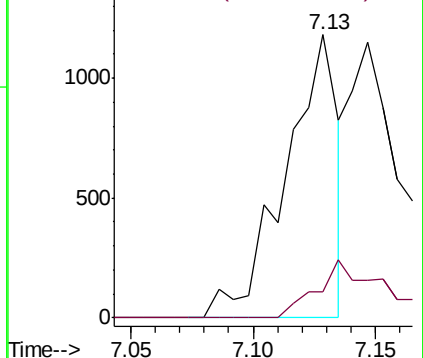
Tgt Ion:	43	Resp:	1763
Ion	Ratio	Lower	Upper
43	100		
72	9.4	18.2	27.4#

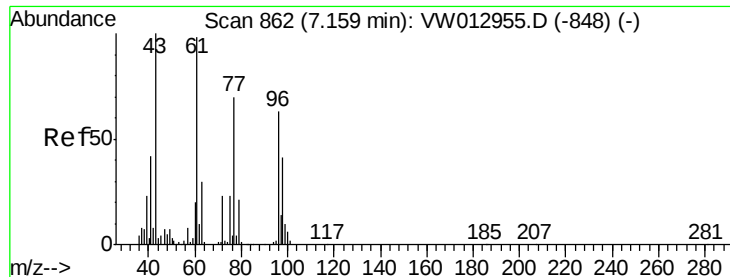


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

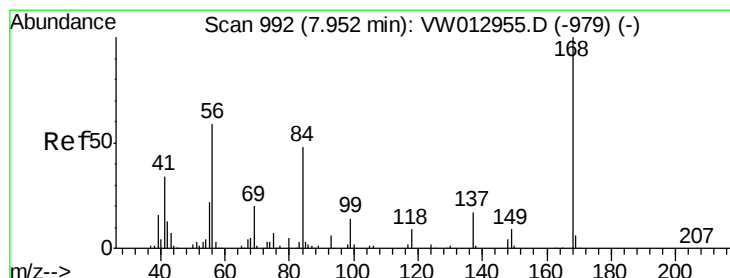
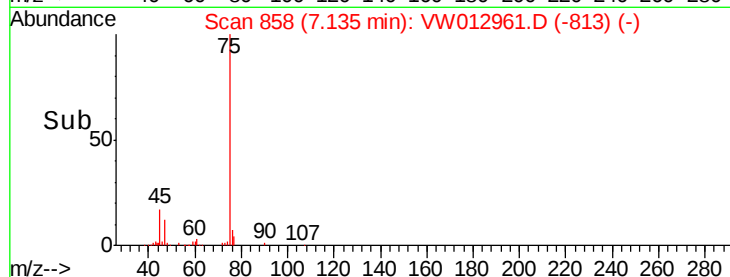
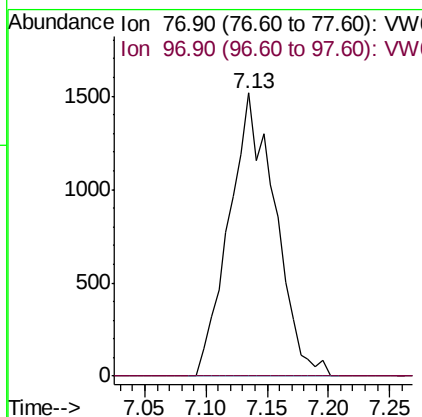
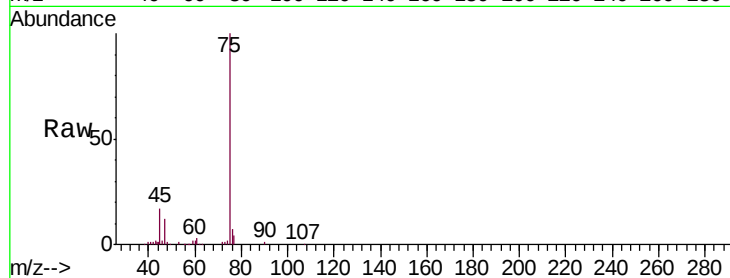




#26
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.13 min Scan# 858
 Delta R.T. -0.02 min
 Lab File: VW012961.D
 Acq: 13 Sep 2019 19:15

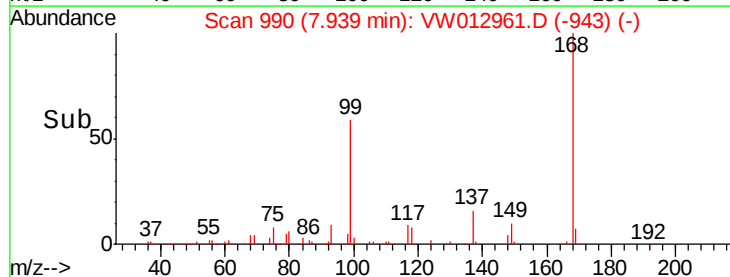
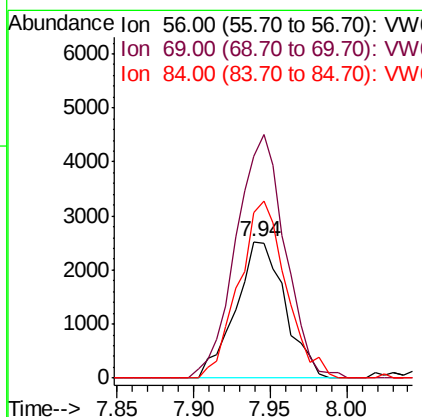
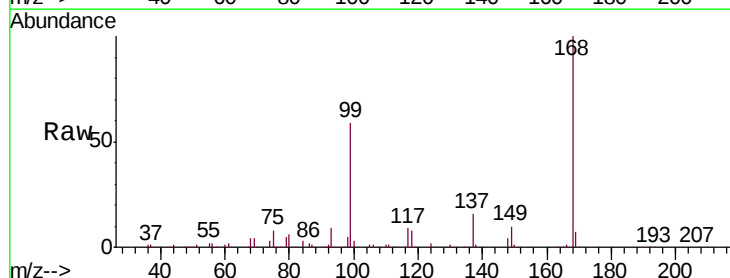
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0914SBL01

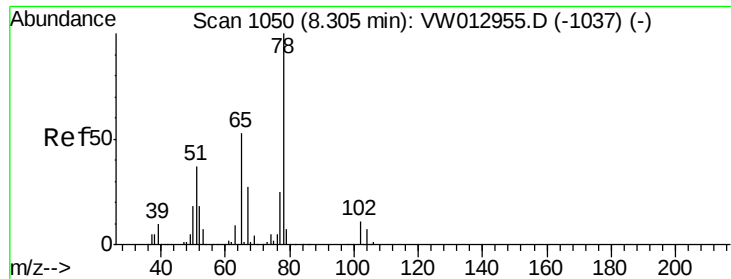
Tgt Ion: 77 Resp: 3972
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.7 32.1#



#31
 Cyclohexane
 Concen: Below Cal
 RT: 7.94 min Scan# 990
 Delta R.T. -0.01 min
 Lab File: VW012961.D
 Acq: 13 Sep 2019 19:15

Tgt Ion: 56 Resp: 5643
 Ion Ratio Lower Upper
 56 100
 69 162.9 27.0 40.6#
 84 121.5 66.2 99.2#





#33

1,2-Dichloroethane-d4

Concen: 56.421 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012961.D

Acq: 13 Sep 2019 19:15

Instrument :

MSVOA_W

ClientSampleId :

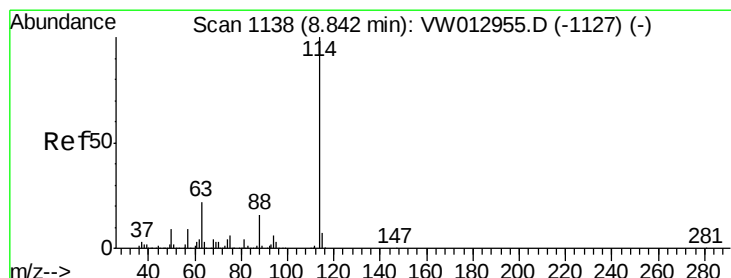
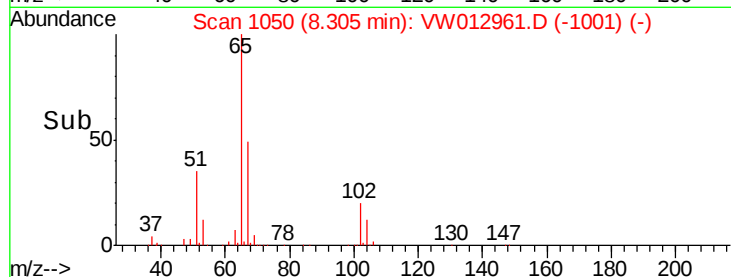
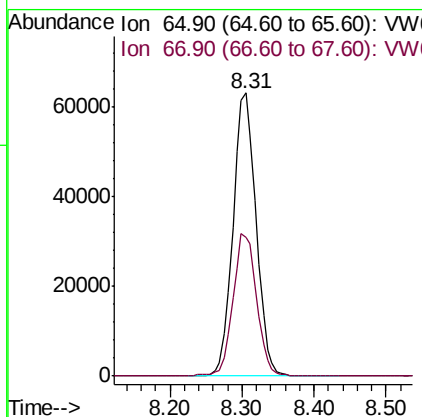
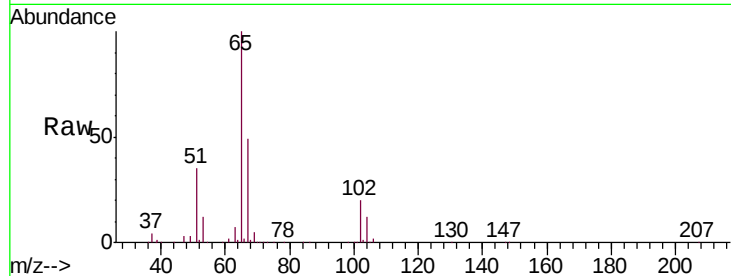
VW0914SBL01

Tgt Ion: 65 Resp: 140662

Ion Ratio Lower Upper

65 100

67 51.8 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: VW012961.D

Acq: 13 Sep 2019 19:15

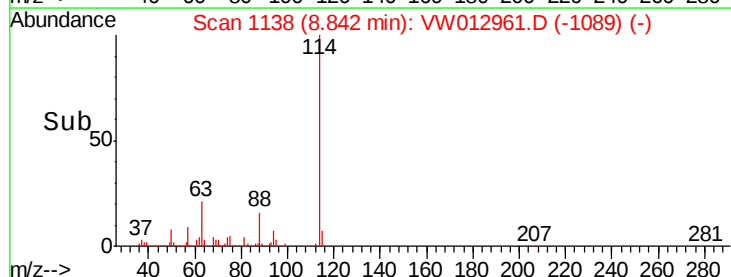
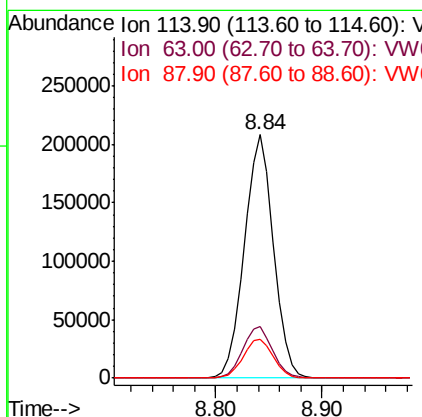
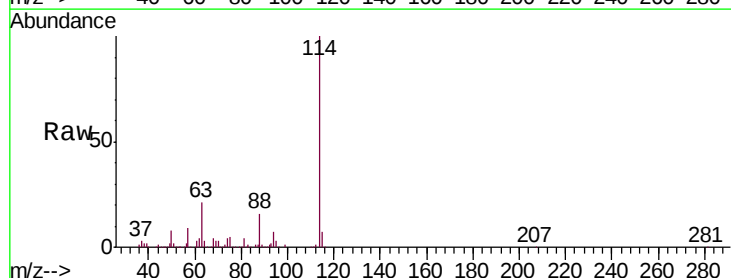
Tgt Ion: 114 Resp: 399273

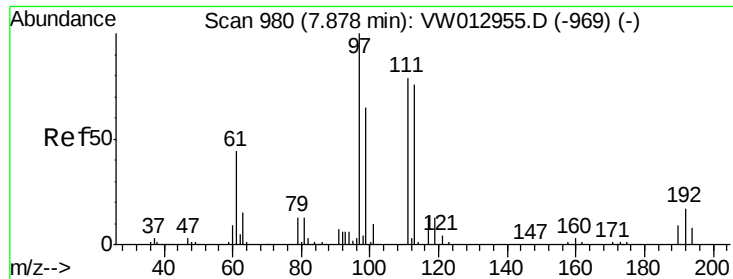
Ion Ratio Lower Upper

114 100

63 21.4 0.0 43.4

88 16.1 0.0 31.6

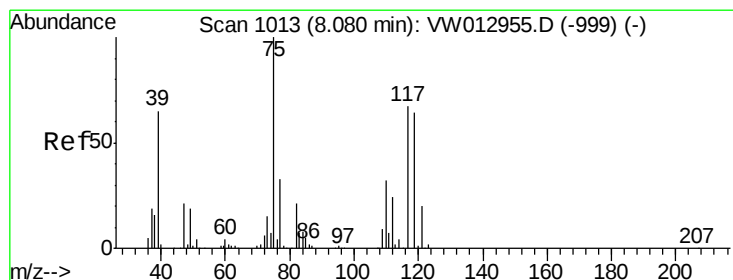
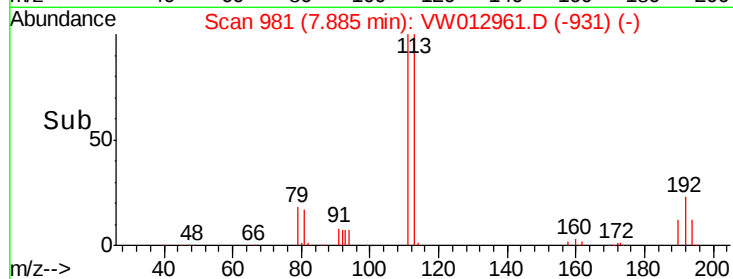
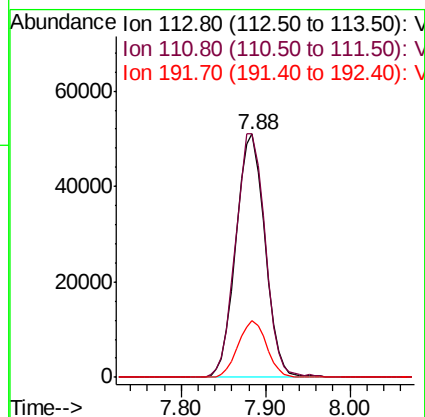
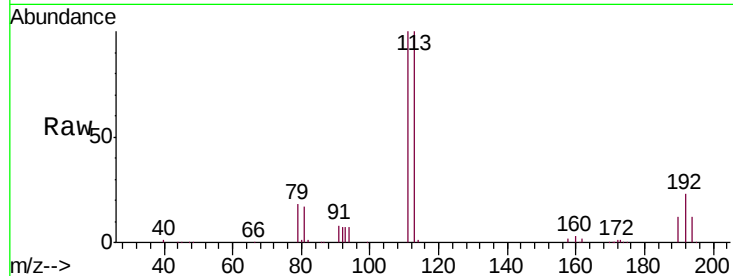




#35
 Dibromofluoromethane
 Concen: 54.804 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW012961.D
 Acq: 13 Sep 2019 19:15

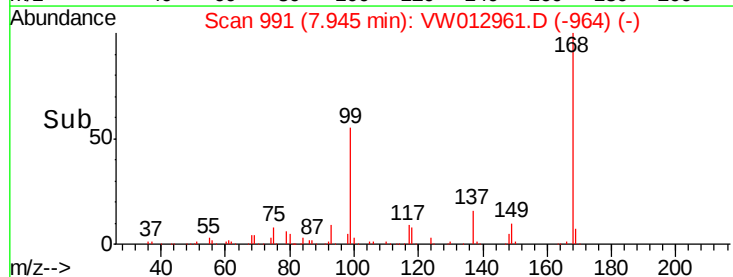
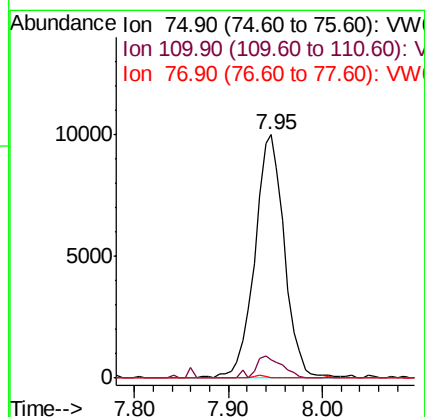
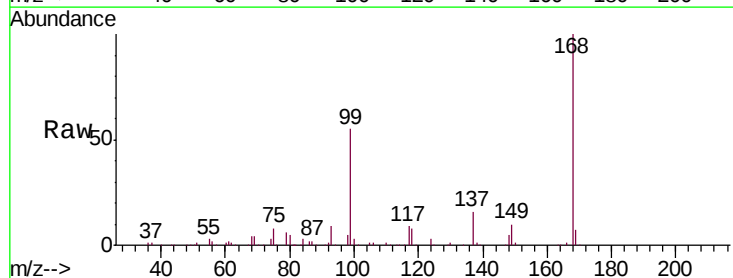
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0914SBL01

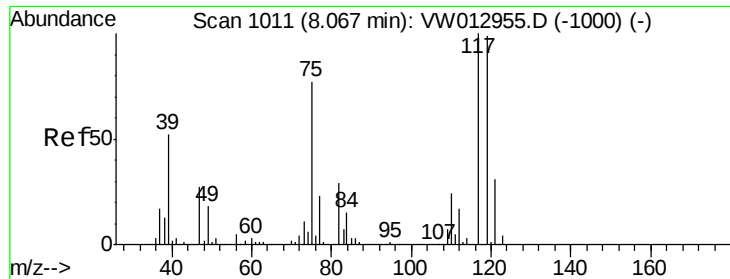
Tgt Ion:113 Resp: 118734
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.8 124.2
 192 22.7 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 6.893 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012961.D
 Acq: 13 Sep 2019 19:15

Tgt Ion: 75 Resp: 21993
 Ion Ratio Lower Upper
 75 100
 110 8.2 16.4 49.1#
 77 0.4 25.1 37.7#

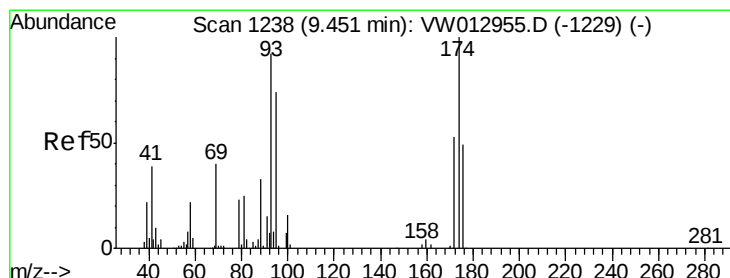
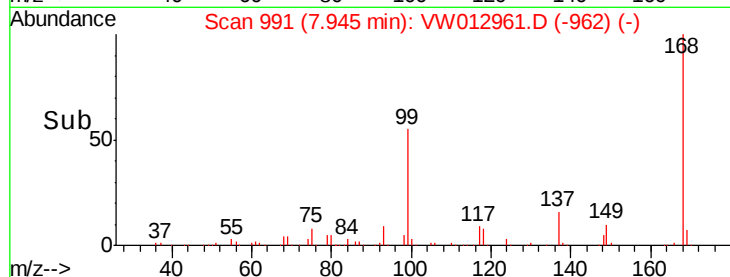
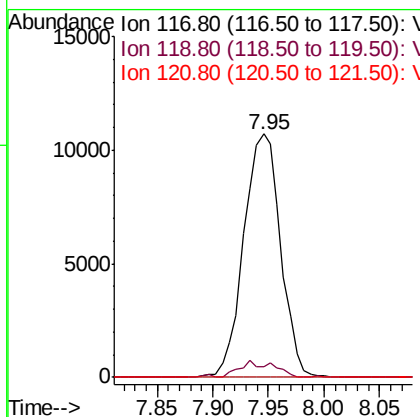
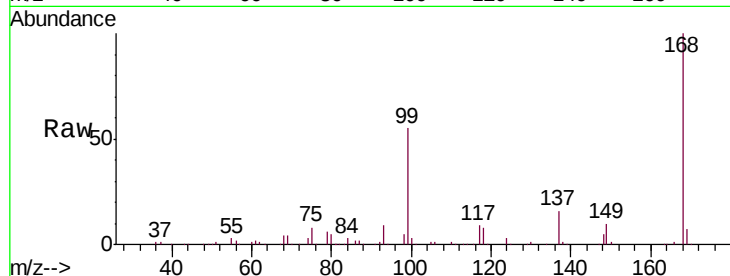




#38
 Carbon Tetrachloride
 Concen: 7.552 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012961.D
 Acq: 13 Sep 2019 19:15

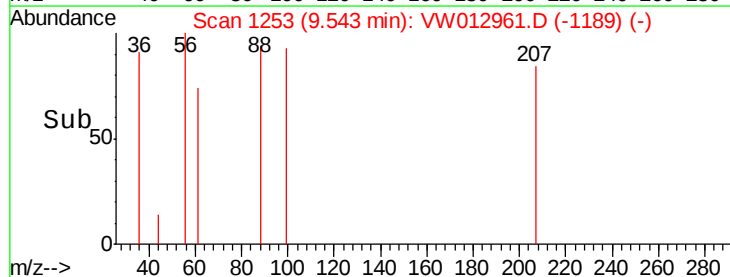
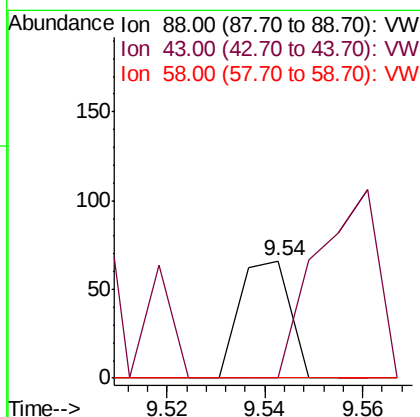
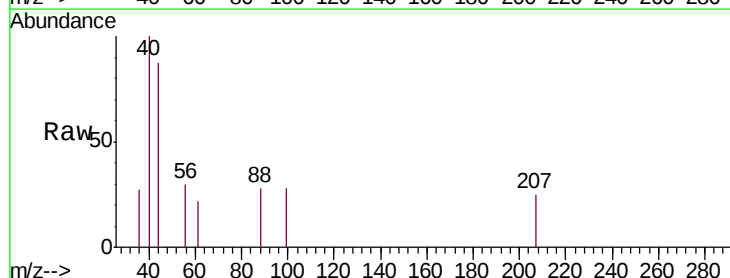
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0914SBL01

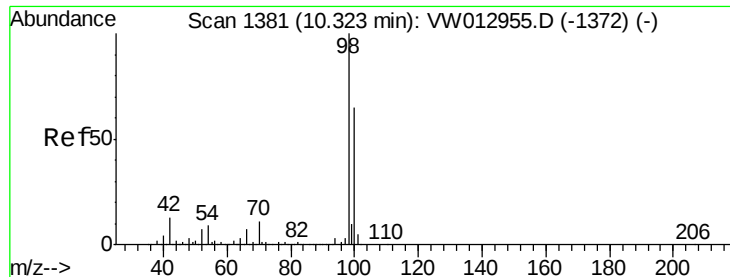
Tgt Ion: 117 Resp: 24691
 Ion Ratio Lower Upper
 117 100
 119 4.3 79.4 119.0#
 121 0.0 24.6 36.8#



#49
 1,4-Dioxane
 Concen: 2.474 ug/l
 RT: 9.54 min Scan# 1253
 Delta R.T. 0.09 min
 Lab File: VW012961.D
 Acq: 13 Sep 2019 19:15

Tgt Ion: 88 Resp: 47
 Ion Ratio Lower Upper
 88 100
 43 197.9 31.3 46.9#
 58 0.0 60.2 90.2#





#50

Toluene-d8

Concen: 55.008 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012961.D

Acq: 13 Sep 2019 19:15

Instrument :

MSVOA_W

ClientSampleId :

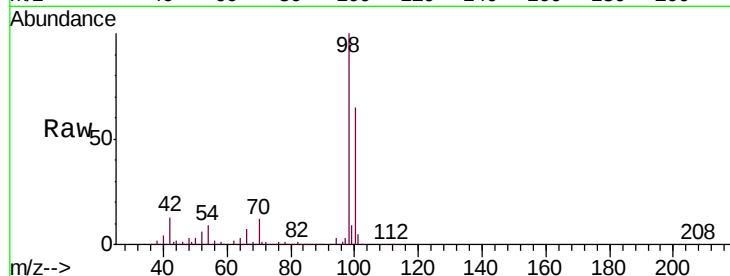
VW0914SBL01

Tgt Ion: 98 Resp: 466345

Ion Ratio Lower Upper

98 100

100 65.0 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

250000

200000

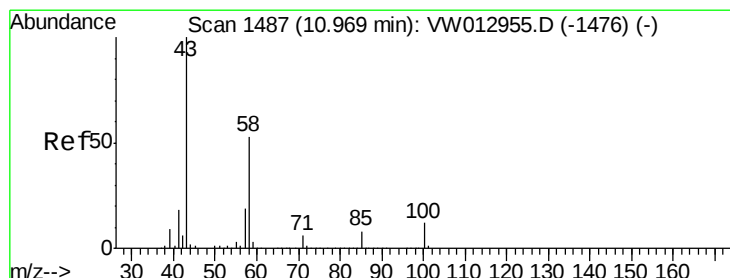
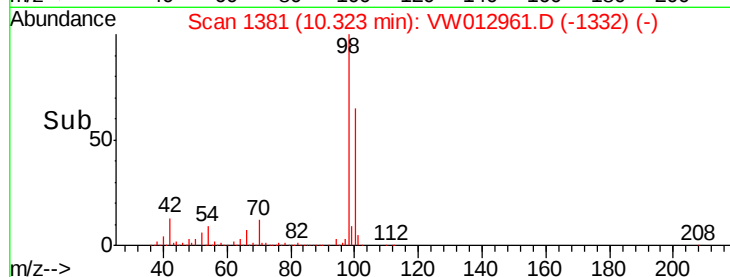
150000

100000

50000

0

Time--> 10.20 10.30 10.40



#59

2-Hexanone

Concen: 1.122 ug/l

RT: 11.07 min Scan# 1504

Delta R.T. 0.10 min

Lab File: VW012961.D

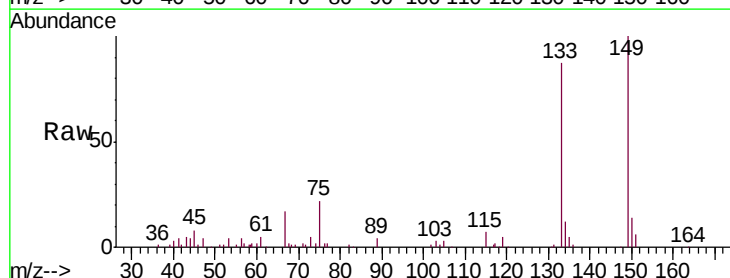
Acq: 13 Sep 2019 19:15

Tgt Ion: 43 Resp: 1311

Ion Ratio Lower Upper

43 100

58 33.4 25.8 77.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

11.07

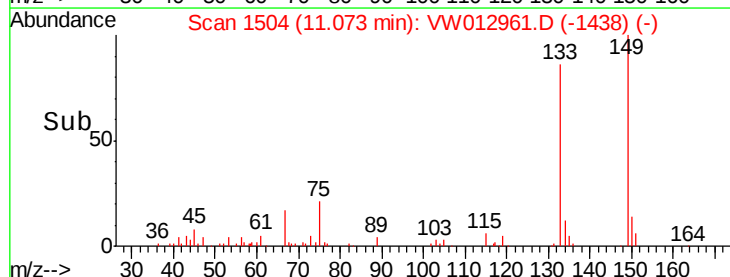
600

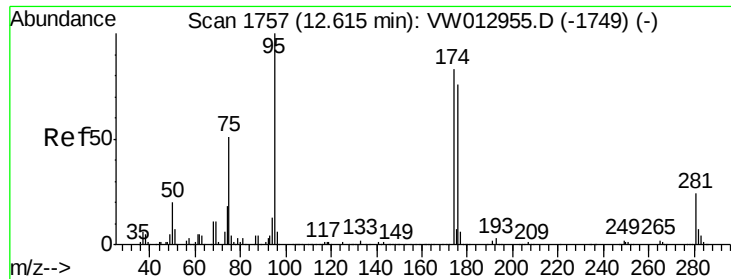
400

200

0

Time--> 11.00 11.05 11.10

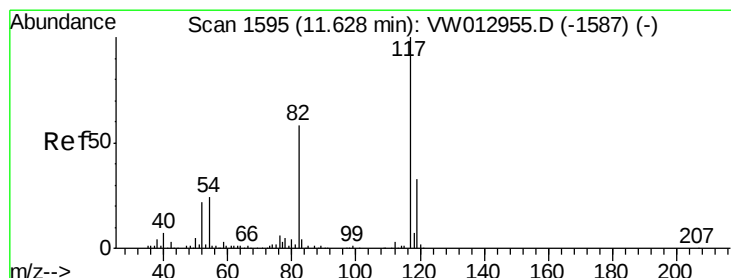
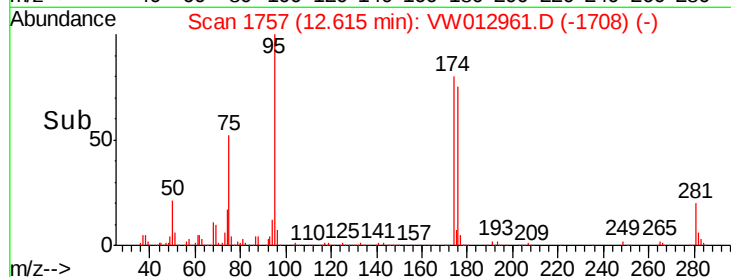
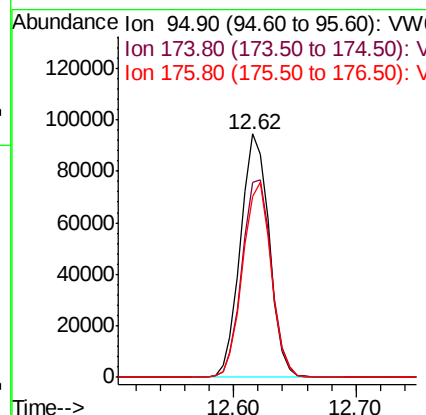
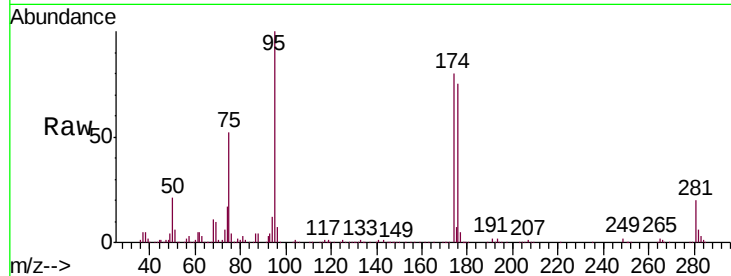




#62
4-Bromofluorobenzene
Concen: 50.258 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012961.D
Acq: 13 Sep 2019 19:15

Instrument :
MSVOA_W
ClientSampleId :
VW0914SBL01

Tgt Ion: 95 Resp: 153209
Ion Ratio Lower Upper
95 100
174 83.8 0.0 170.4
176 79.9 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: VW012961.D
Acq: 13 Sep 2019 19:15

Tgt Ion: 117 Resp: 332504
Ion Ratio Lower Upper
117 100
82 58.7 46.3 69.5
119 31.7 26.2 39.4

