

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW013005.D
 Acq On : 14 Sep 2019 20:14
 Operator : SY/VA
 Sample : K4822-10
 Misc : 6.13G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 16 06:55:01 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	307106	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	466153	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	399192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	173095	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	161208	56.84	ug/l	0.00
Spiked Amount			Recovery	=	113.68%	
35) Dibromofluoromethane	7.88	113	127543	50.42	ug/l	0.00
Spiked Amount			Recovery	=	100.84%	
50) Toluene-d8	10.32	98	559383	56.52	ug/l	0.00
Spiked Amount			Recovery	=	113.04%	
62) 4-Bromofluorobenzene	12.61	95	178770	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	

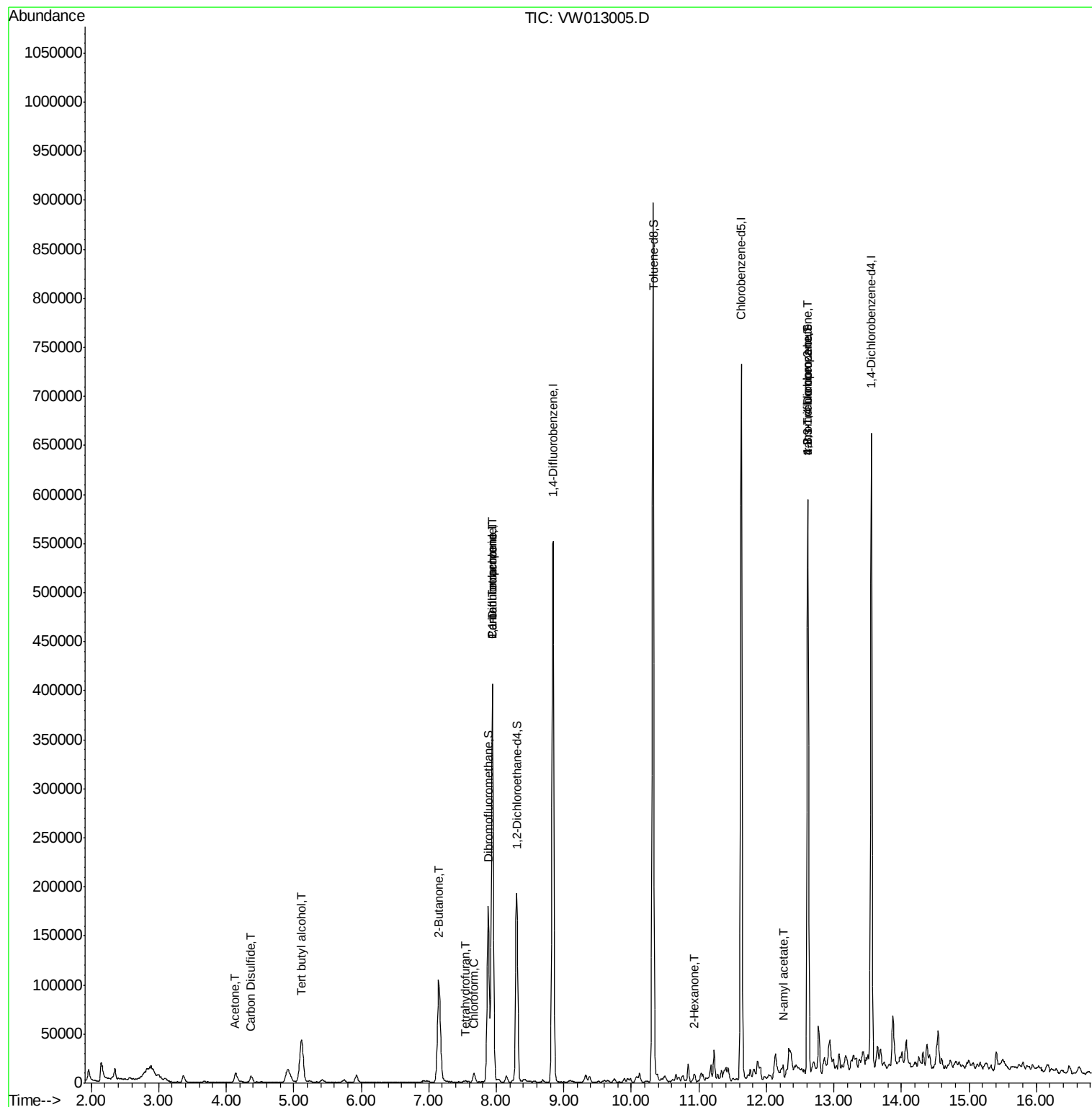
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.06	85	26	Below Cal	#	44
3) Chloromethane	2.21	50	488	Below Cal	#	88
11) Tert butyl alcohol	5.12	59	42746	220.752	ug/l #	76
13) Acrolein	3.88	56	65	Below Cal	#	15
16) Acetone	4.13	43	18770	11.878	ug/l	100
17) Carbon Disulfide	4.37	76	13620	3.224	ug/l	99
20) Methylene Chloride	4.90	84	8305	Below Cal		91
25) 2-Butanone	7.16	43	6860	7.606	ug/l #	88
26) 2,2-Dichloropropane	7.14	77	7863	Below Cal	#	55
29) Tetrahydrofuran	7.54	42	1438	2.798	ug/l #	84
30) Chloroform	7.67	83	7975	1.628	ug/l	99
31) Cyclohexane	7.95	56	7268	Below Cal	#	1
36) 1,1-Dichloropropene	7.95	75	23545	6.321	ug/l #	52
38) Carbon Tetrachloride	7.95	117	28345	7.425	ug/l #	15
59) 2-Hexanone	10.94	43	3684	2.699	ug/l #	27
74) N-amyl acetate	12.25	43	3321	1.125	ug/l #	70
76) 1,2,3-Trichloropropane	12.61	75	94361	62.236	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.61	75	94361	141.182	ug/l #	7

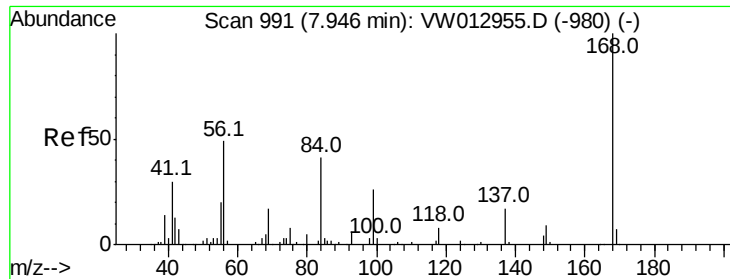
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091519\
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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: VW013005.D

Acq: 14 Sep 2019 20:14

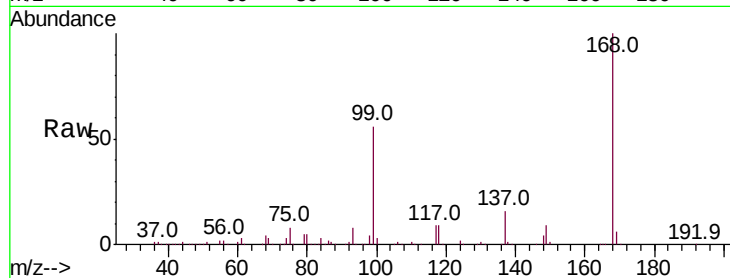
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 307106

Ion Ratio Lower Upper

168 100

99 55.6 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

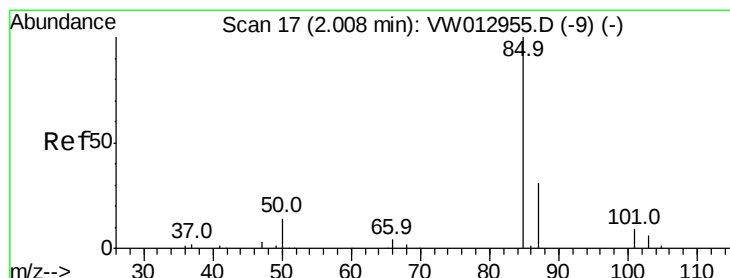
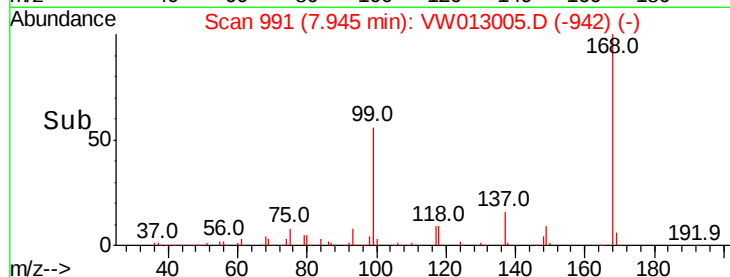
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.06 min Scan# 26

Delta R.T. 0.05 min

Lab File: VW013005.D

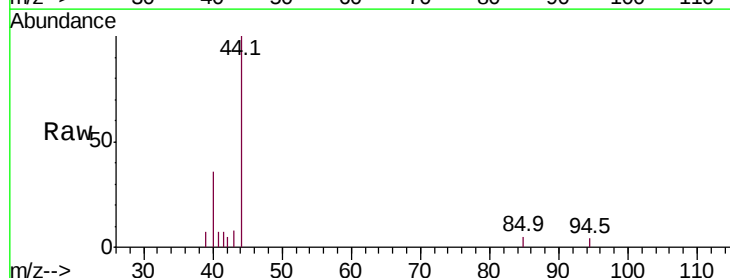
Acq: 14 Sep 2019 20:14

Tgt Ion: 85 Resp: 26

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

2.06

80

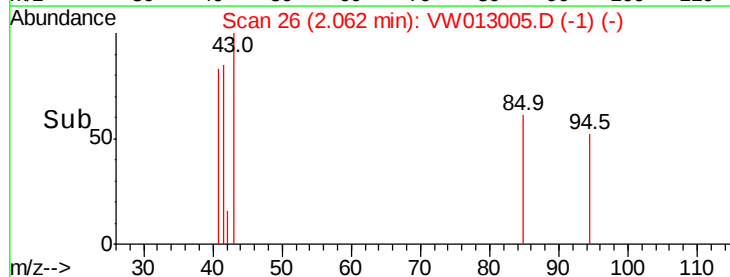
60

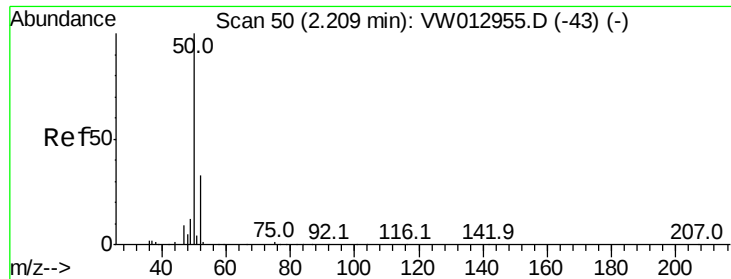
40

20

0

Time--> 2.04 2.05 2.06 2.07 2.08





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW013005.D

Acq: 14 Sep 2019 20:14

Instrument :

MSVOA_W

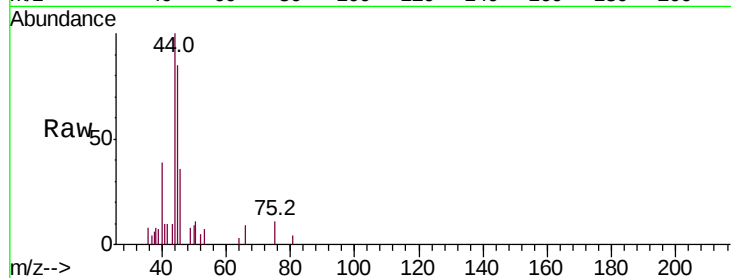
ClientSampleId :

Tot Ion: 50 Resp: 488

Ion Ratio Lower Upper

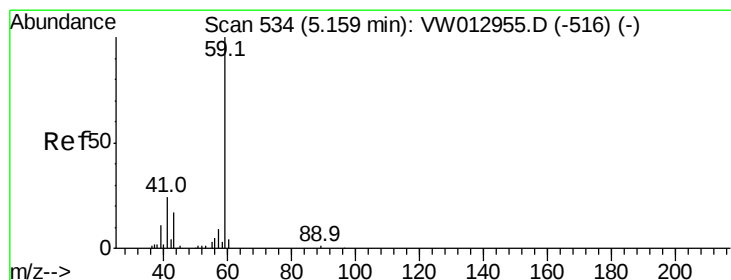
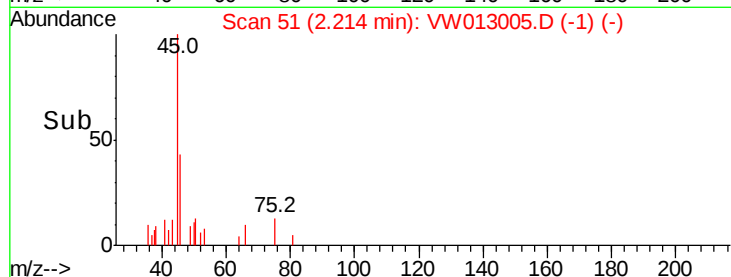
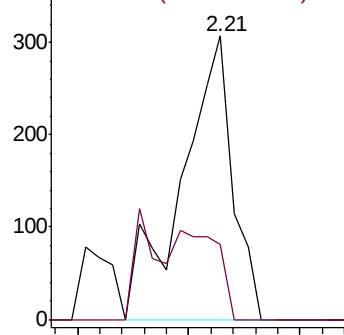
50 100

52 26.4 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#11

Tert butyl alcohol

Concen: 220.752 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.04 min

Lab File: VW013005.D

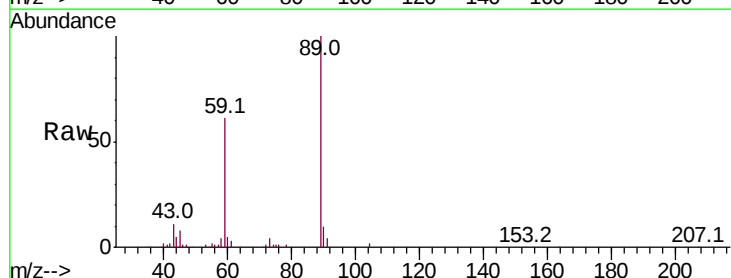
Acq: 14 Sep 2019 20:14

Tgt Ion: 59 Resp: 42746

Ion Ratio Lower Upper

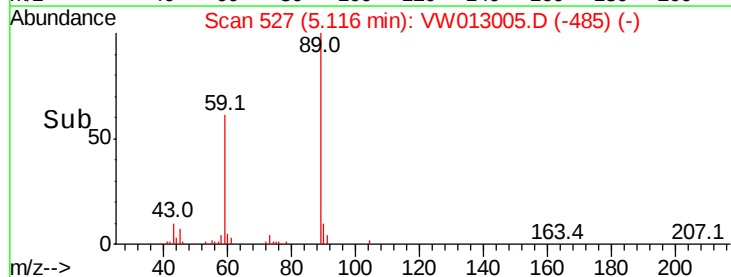
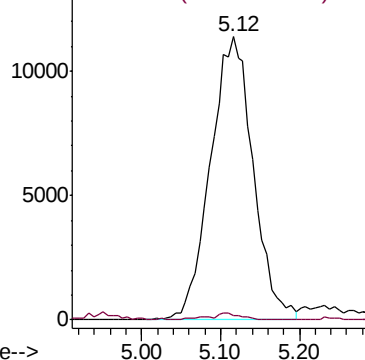
59 100

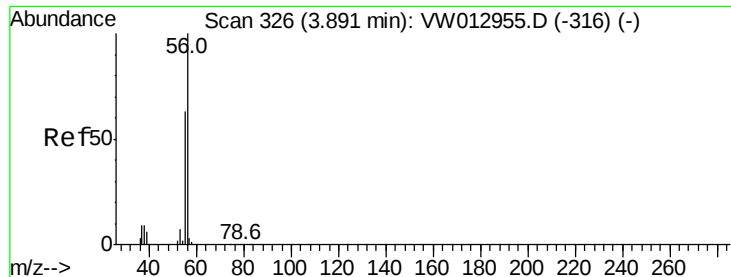
57 1.7 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: Below Cal

RT: 3.88 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW013005.D

Acq: 14 Sep 2019 20:14

Instrument :

MSVOA_W

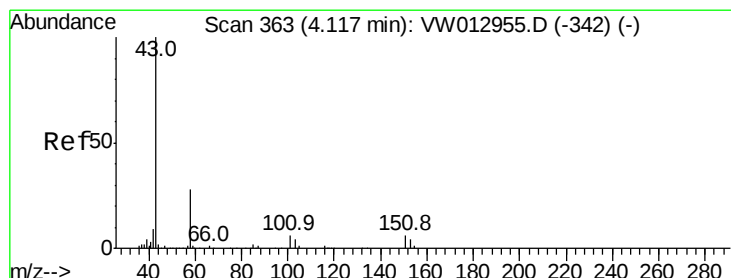
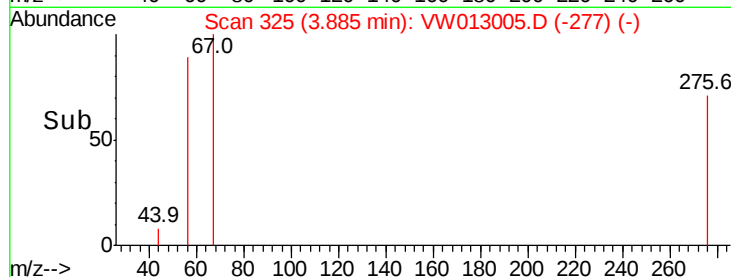
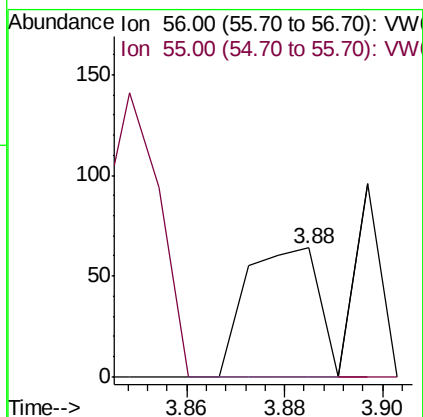
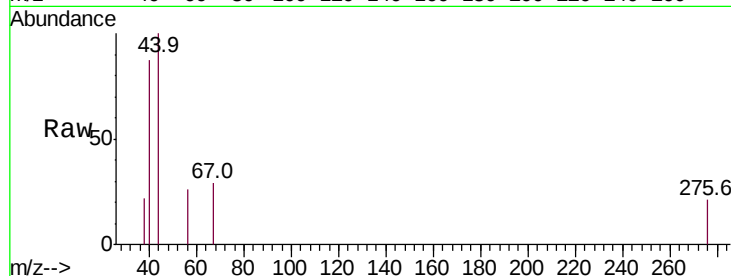
ClientSampled :

Tot Ion: 56 Resp: 65

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.8#



#16

Acetone

Concen: 11.878 ug/l

RT: 4.13 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW013005.D

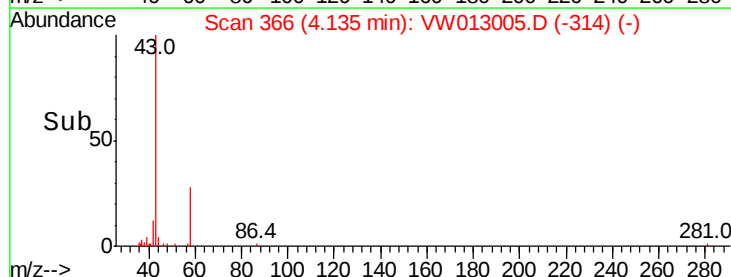
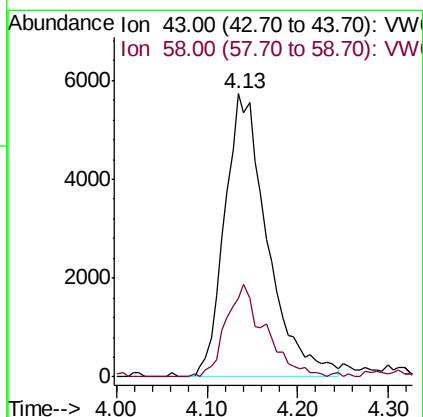
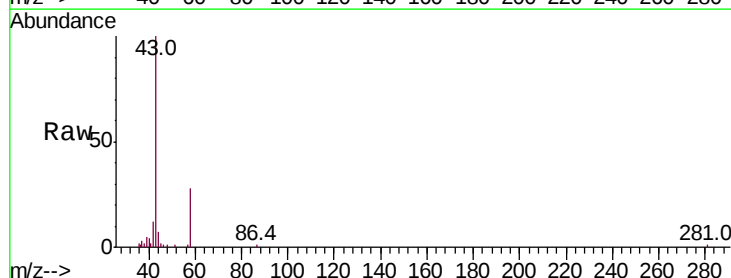
Acq: 14 Sep 2019 20:14

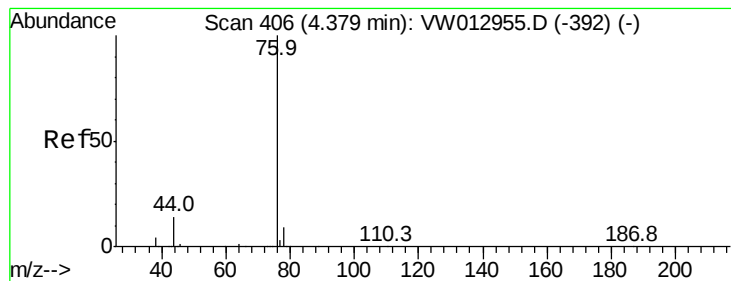
Tgt Ion: 43 Resp: 18770

Ion Ratio Lower Upper

43 100

58 27.6 22.3 33.5





#17

Carbon Disulfide

Concen: 3.224 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW013005.D

Acq: 14 Sep 2019 20:14

Instrument :

MSVOA_W

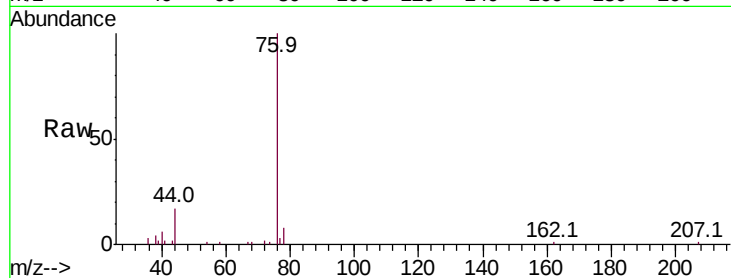
ClientSampled :

Tot Ion: 76 Resp: 13620

Ion Ratio Lower Upper

76 100

78 8.5 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.37

5000

4000

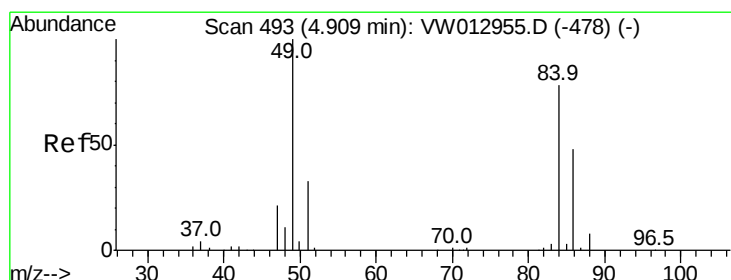
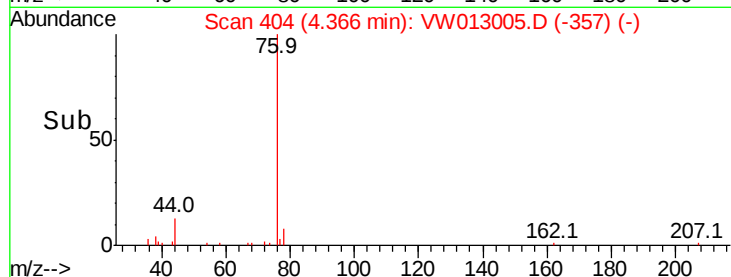
3000

2000

1000

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW013005.D

Acq: 14 Sep 2019 20:14

Tgt Ion: 84 Resp: 8305

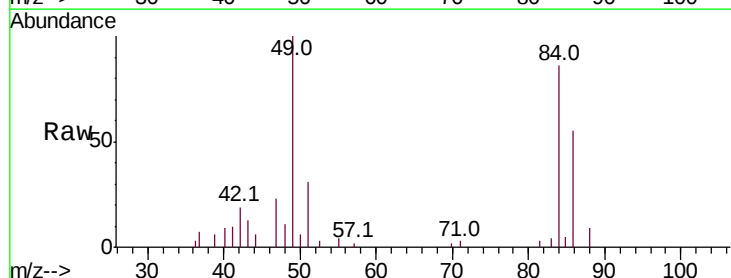
Ion Ratio Lower Upper

84 100

49 116.1 102.0 153.0

51 36.3 34.0 51.0

86 64.4 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

5000

4000

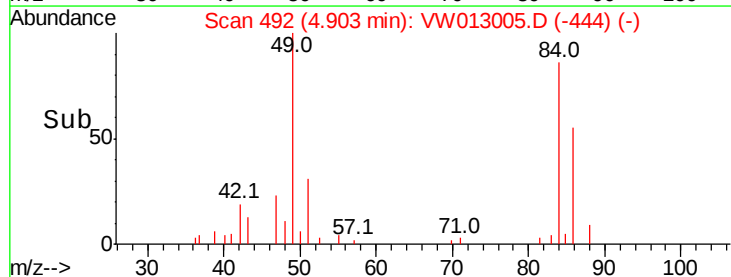
3000

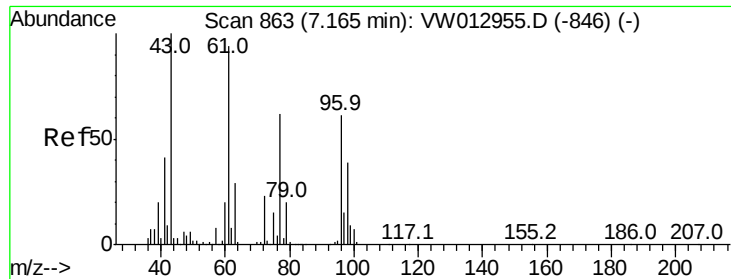
2000

1000

0

Time-->





#25

2-Butanone

Concen: 7.606 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013005.D

Acq: 14 Sep 2019 20:14

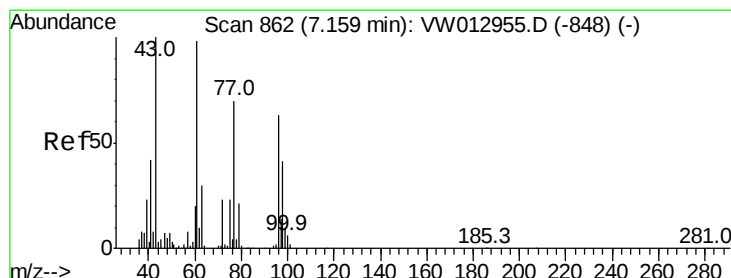
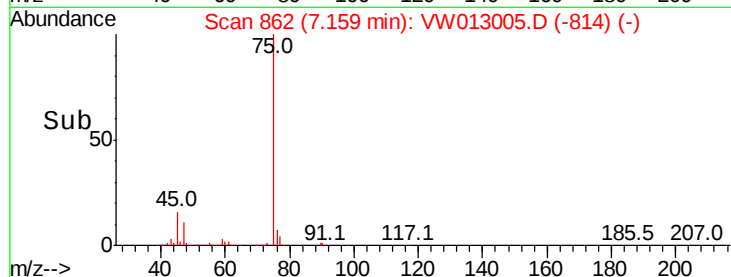
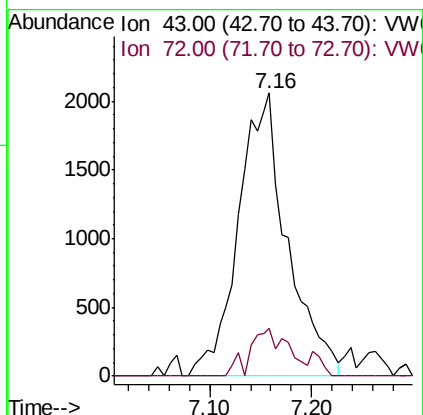
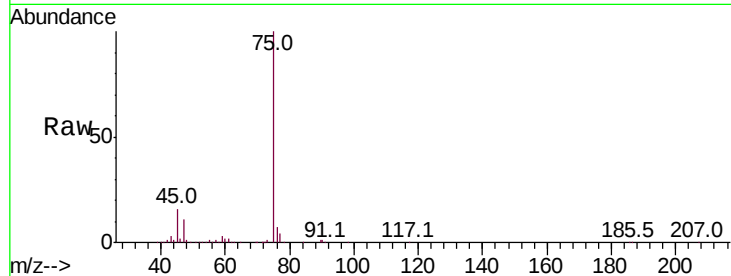
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 6860

Ion Ratio Lower Upper

43 100

72 17.0 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: VW013005.D

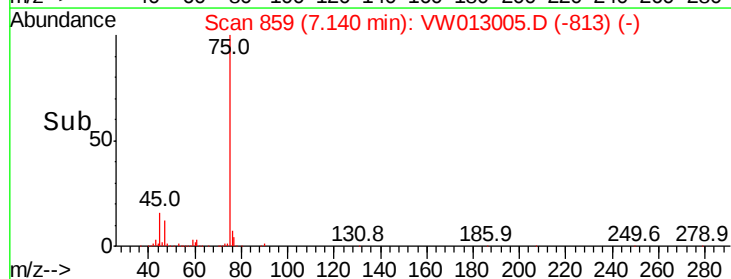
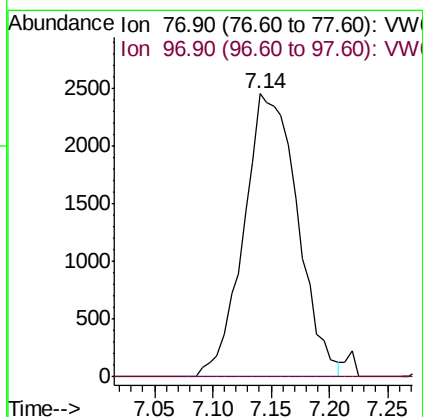
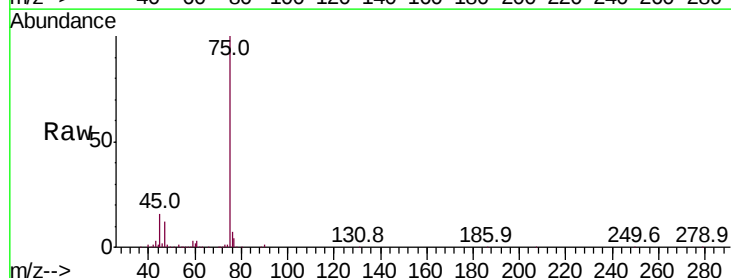
Acq: 14 Sep 2019 20:14

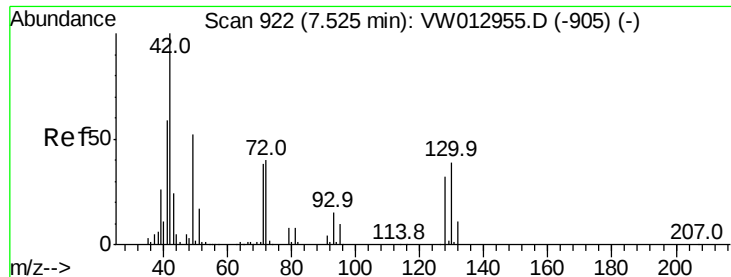
Tgt Ion: 77 Resp: 7863

Ion Ratio Lower Upper

77 100

97 0.0 10.7 32.1#

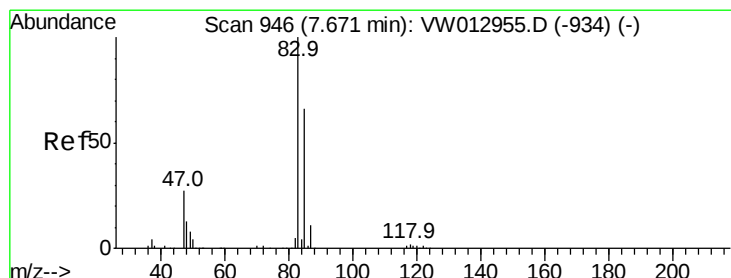
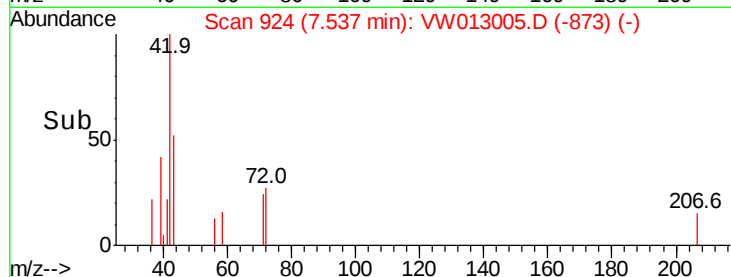
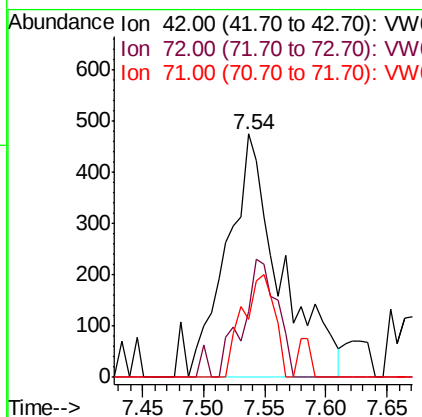
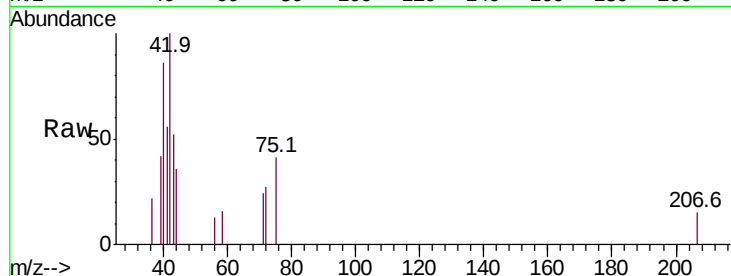




#29
Tetrahydrofuran
Concen: 2.798 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW013005.D
Acq: 14 Sep 2019 20:14

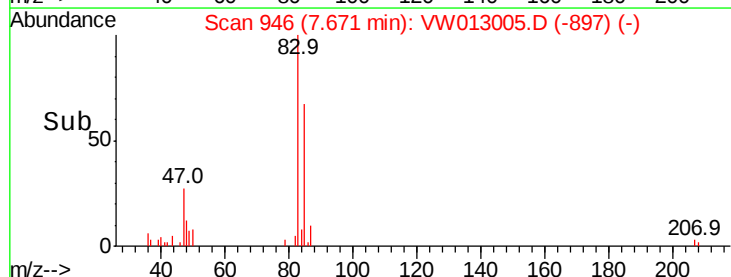
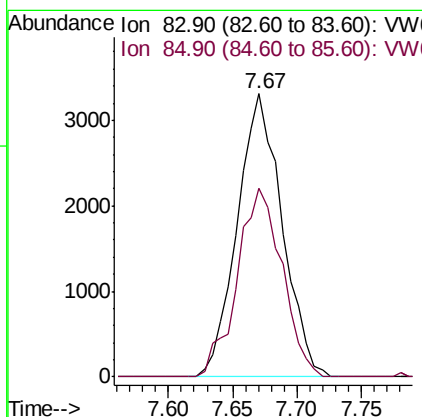
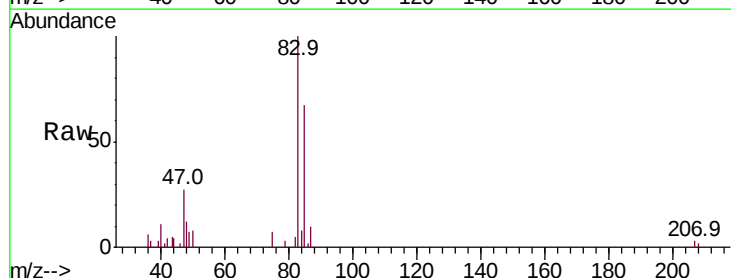
Instrument :
MSVOA_W
ClientSampled :

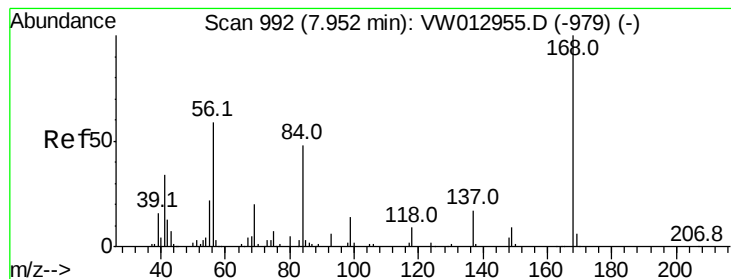
Tot Ion: 42 Resp: 1438
Ion Ratio Lower Upper
42 100
72 31.2 31.4 47.0#
71 25.4 29.8 44.8#



#30
Chloroform
Concen: 1.628 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013005.D
Acq: 14 Sep 2019 20:14

Tgt Ion: 83 Resp: 7975
Ion Ratio Lower Upper
83 100
85 66.9 52.8 79.2





#31

Cyclohexane

Concen: Below Cal

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

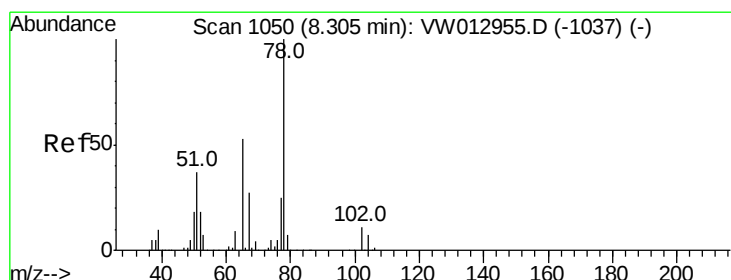
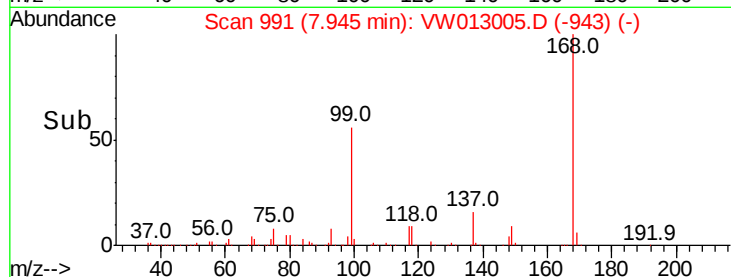
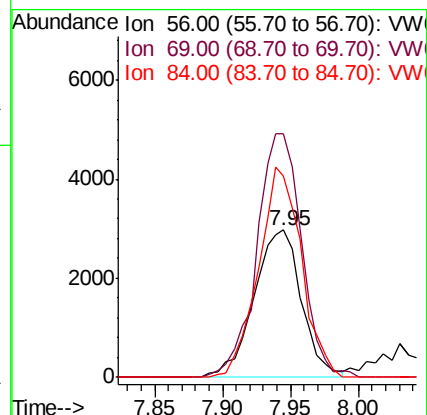
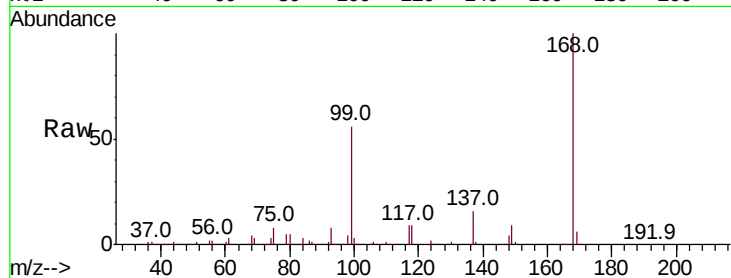
Lab File: VW013005.D

Acq: 14 Sep 2019 20:14

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 7268

Ion	Ratio	Lower	Upper
56	100		
69	165.2	27.0	40.6#
84	137.0	66.2	99.2#



#33

1,2-Dichloroethane-d4

Concen: 56.837 ug/l

RT: 8.30 min Scan# 1049

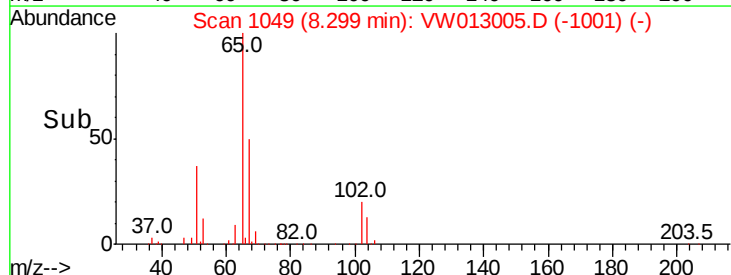
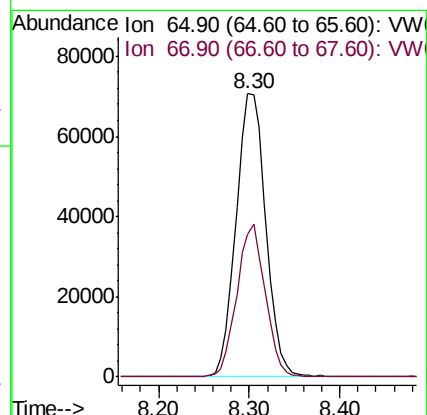
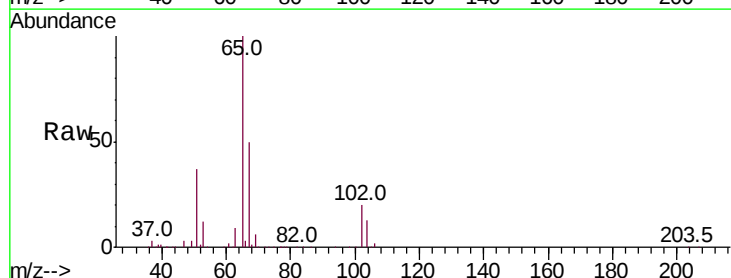
Delta R.T. -0.01 min

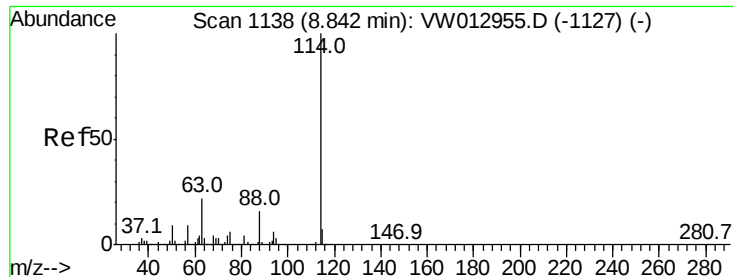
Lab File: VW013005.D

Acq: 14 Sep 2019 20:14

Tgt Ion: 65 Resp: 161208

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	101.2

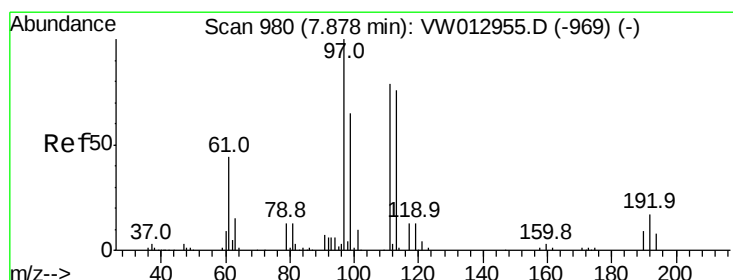
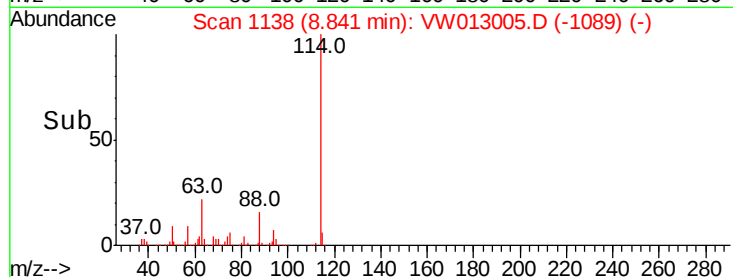
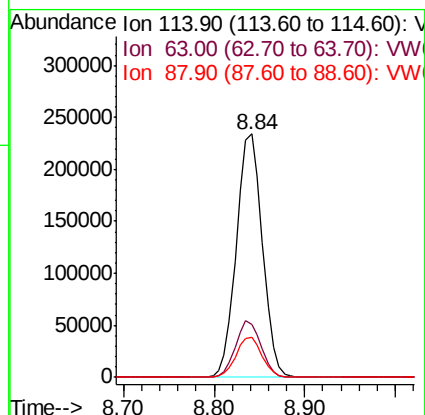
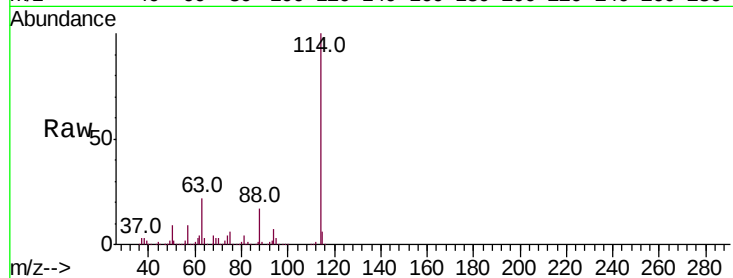




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013005.D
 Acq: 14 Sep 2019 20:14

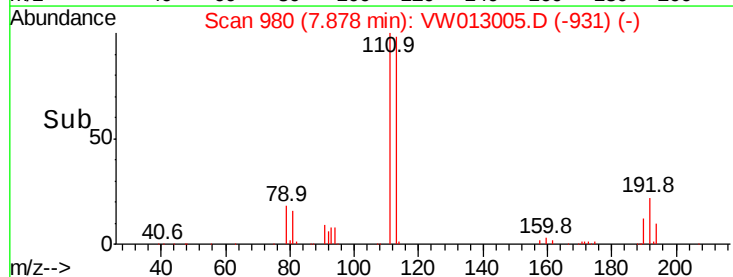
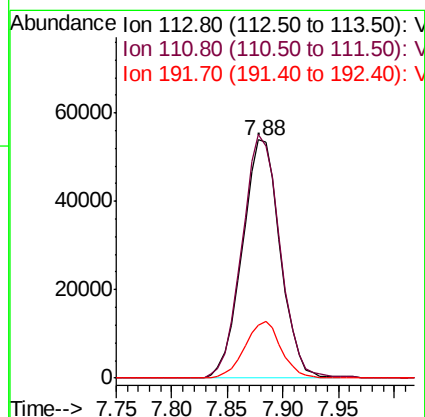
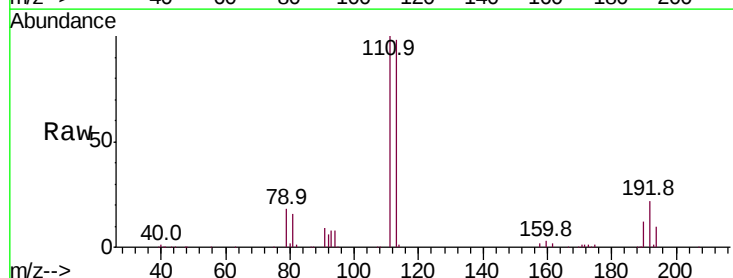
Instrument :
 MSVOA_W
 ClientSampleId :

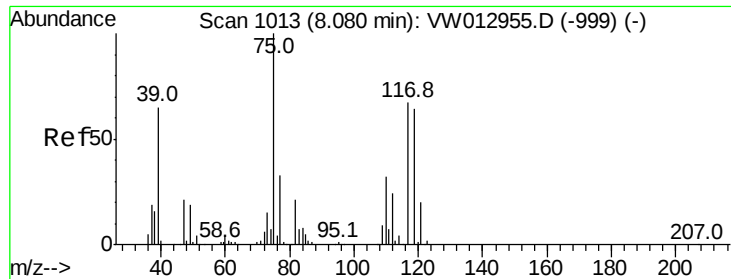
Tot Ion:114 Resp: 466153
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.4
 88 16.5 0.0 31.6



#35
 Dibromofluoromethane
 Concen: 50.424 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013005.D
 Acq: 14 Sep 2019 20:14

Tgt Ion:113 Resp: 127543
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.8 124.2
 192 22.9 17.8 26.8

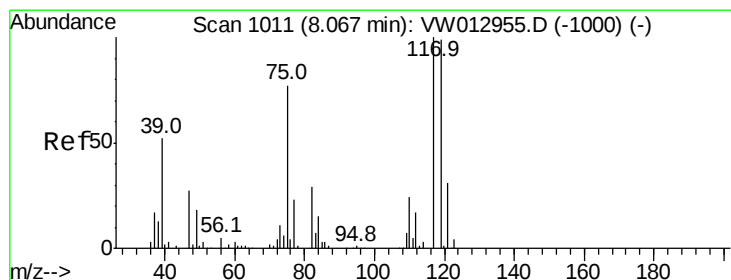
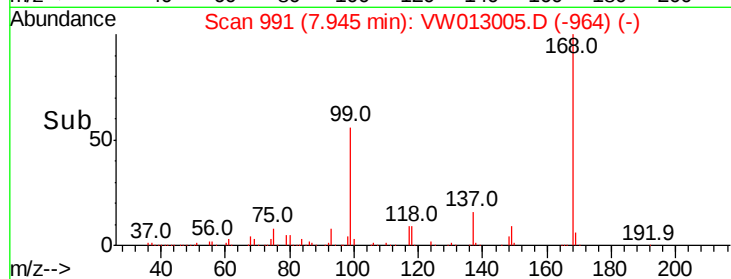
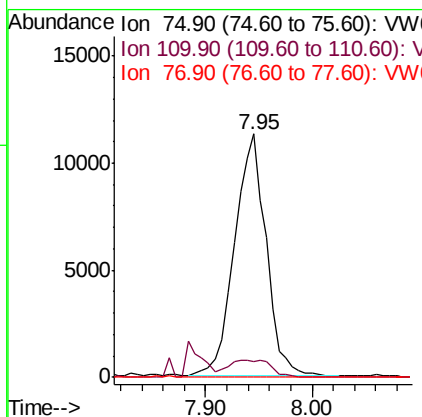
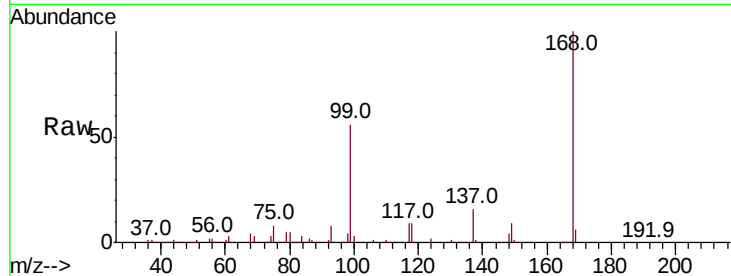




#36
 1,1-Dichloropropene
 Concen: 6.321 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013005.D
 Acq: 14 Sep 2019 20:14

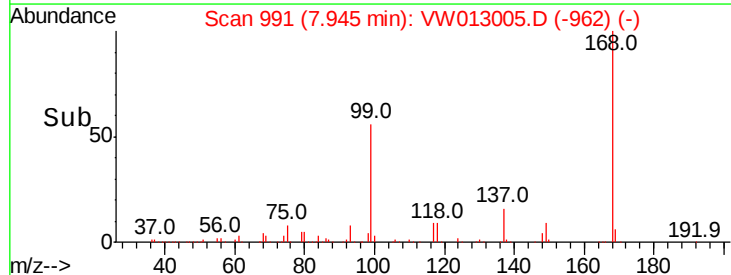
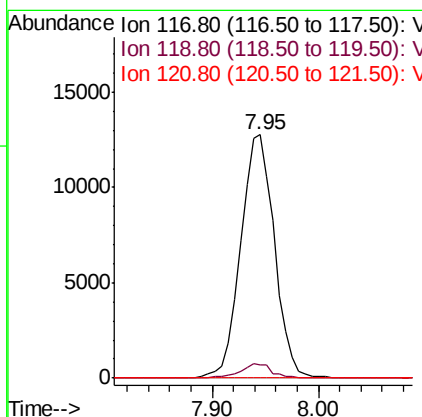
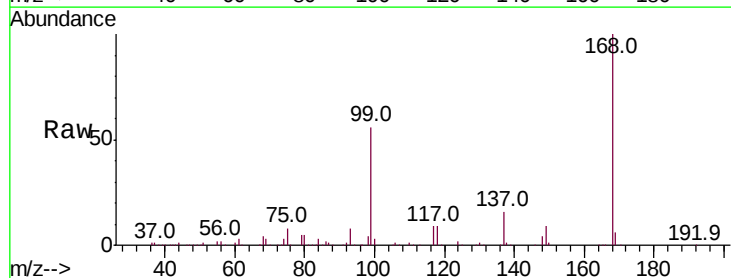
Instrument :
 MSVOA_W
 ClientSampleId :

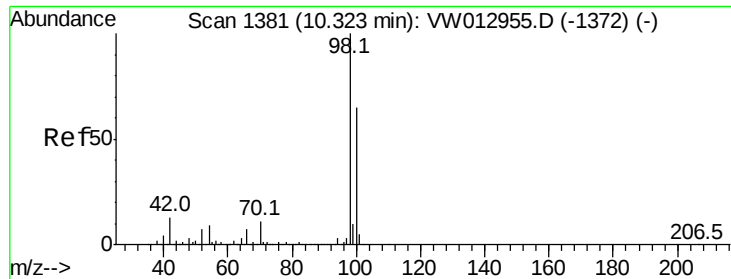
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.9	16.4	49.1#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 7.425 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013005.D
 Acq: 14 Sep 2019 20:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	79.4	119.0#
121	0.0	24.6	36.8#

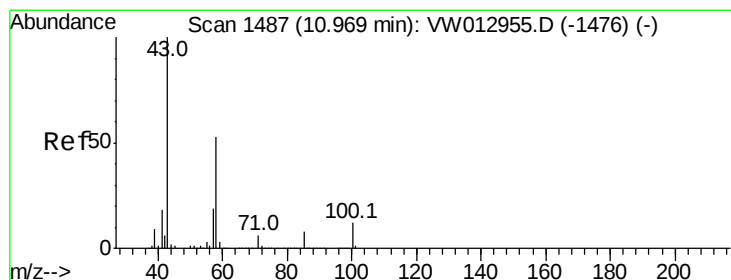
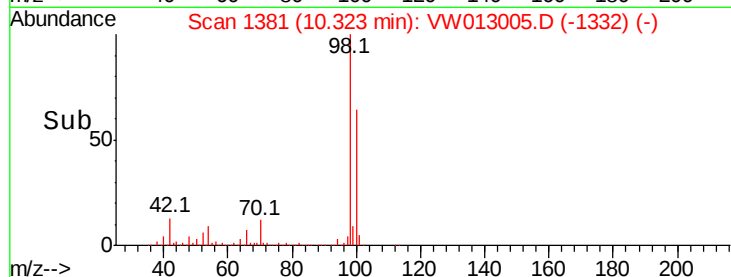
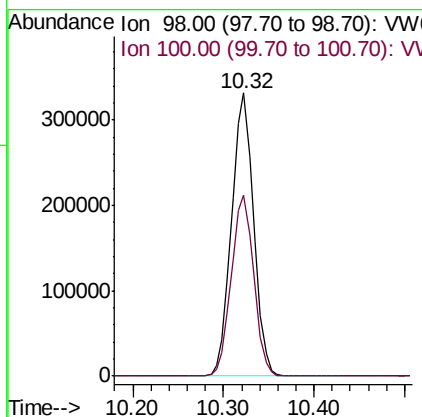
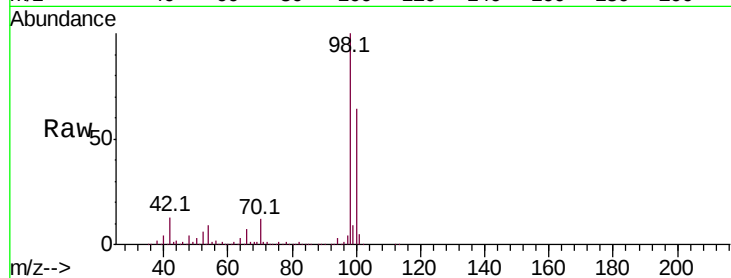




#50
Toluene-d8
Concen: 56.516 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013005.D
Acq: 14 Sep 2019 20:14

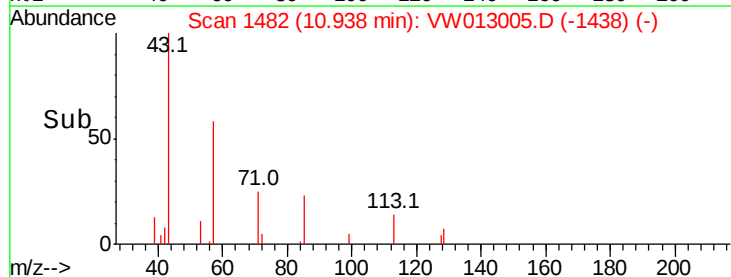
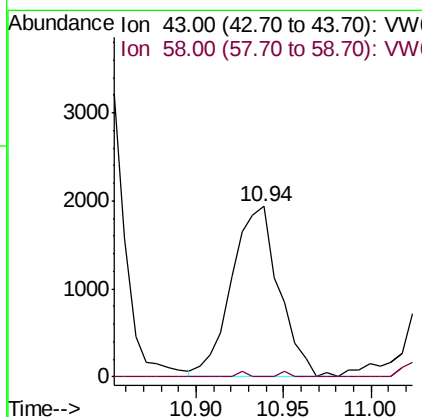
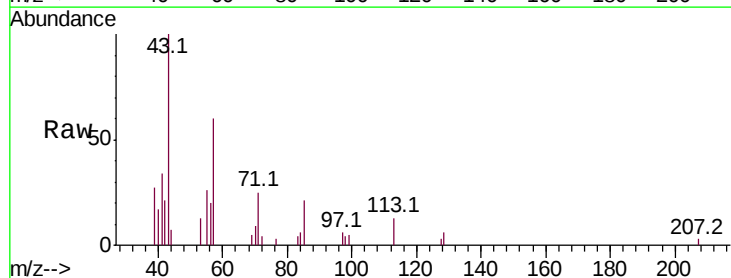
Instrument :
MSVOA_W
ClientSampleId :

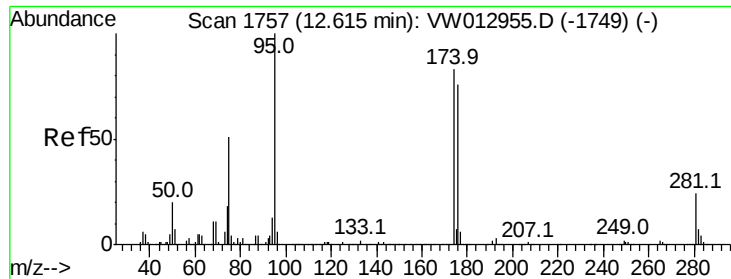
Tot Ion: 98 Resp: 559383
Ion Ratio Lower Upper
98 100
100 65.1 52.1 78.1



#59
2-Hexanone
Concen: 2.699 ug/l
RT: 10.94 min Scan# 1482
Delta R.T. -0.03 min
Lab File: VW013005.D
Acq: 14 Sep 2019 20:14

Tgt Ion: 43 Resp: 3684
Ion Ratio Lower Upper
43 100
58 0.6 25.8 77.3#

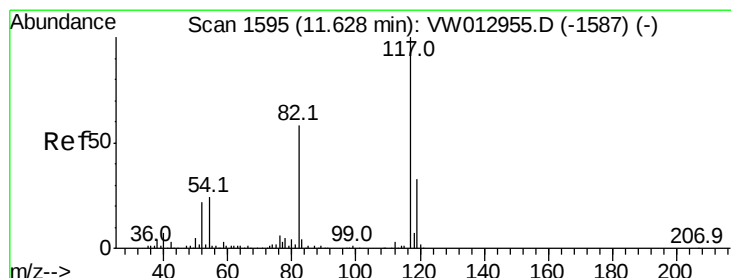
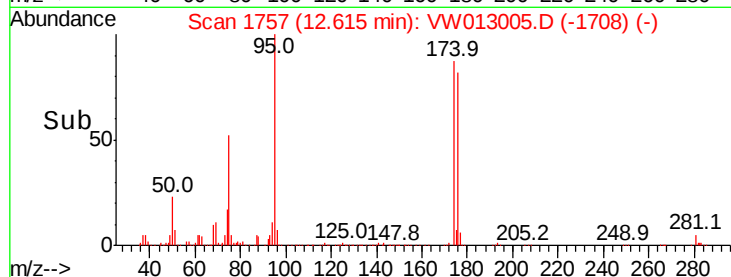
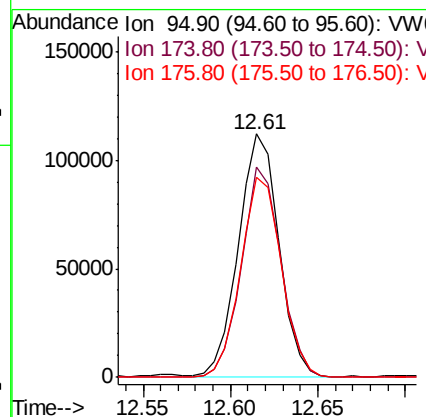
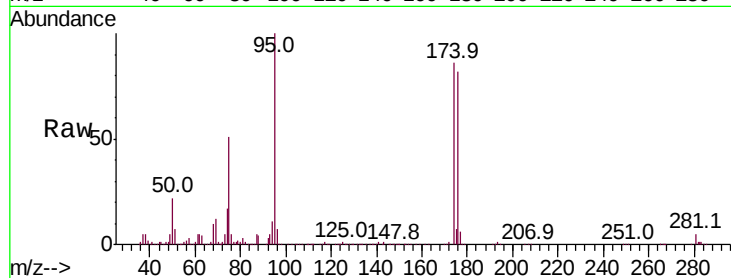




#62
4-Bromofluorobenzene
Concen: 50.230 ug/l
RT: 12.61 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013005.D
Acq: 14 Sep 2019 20:14

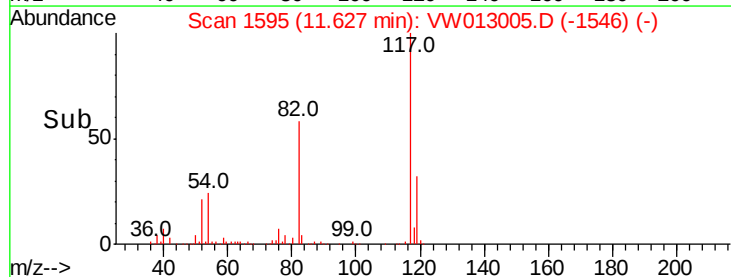
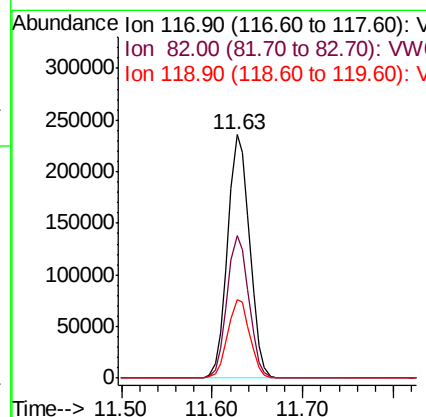
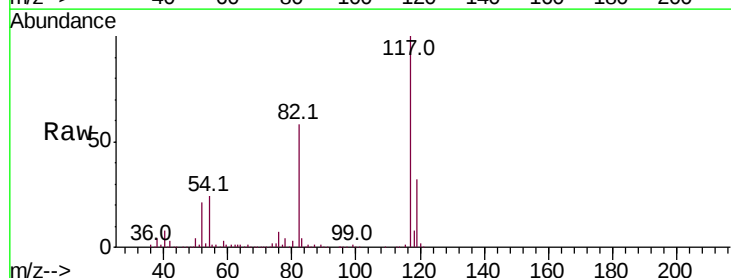
Instrument :
MSVOA_W
ClientSampleId :

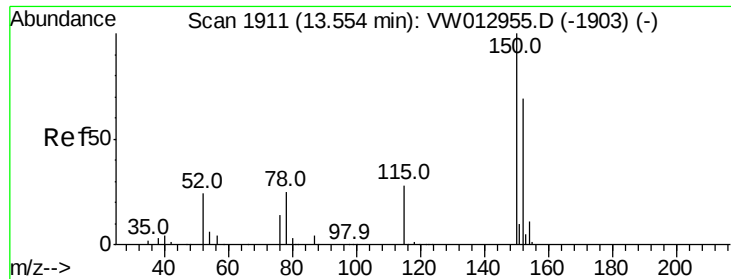
Tot Ion: 95 Resp: 178770
Ion Ratio Lower Upper
95 100
174 85.1 0.0 170.4
176 83.6 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013005.D
Acq: 14 Sep 2019 20:14

Tgt Ion: 117 Resp: 399192
Ion Ratio Lower Upper
117 100
82 58.4 46.3 69.5
119 32.4 26.2 39.4



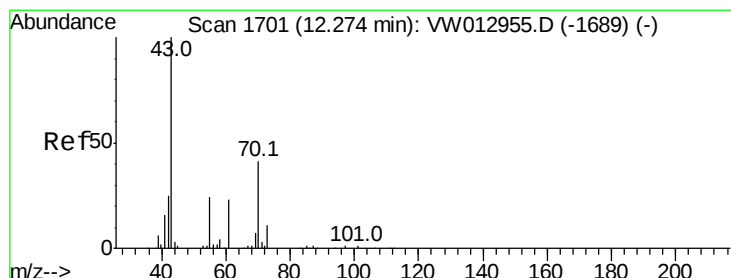
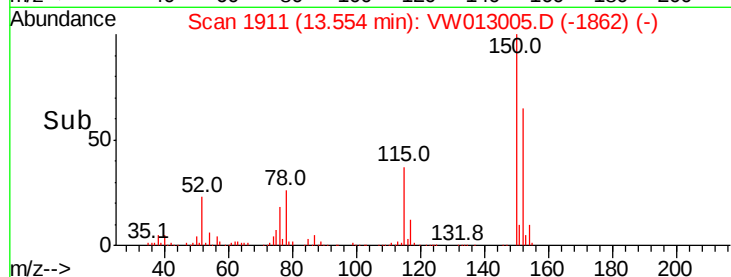
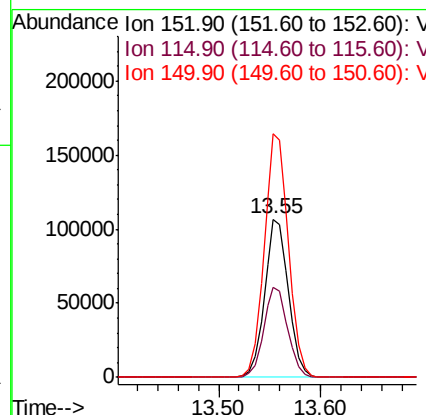
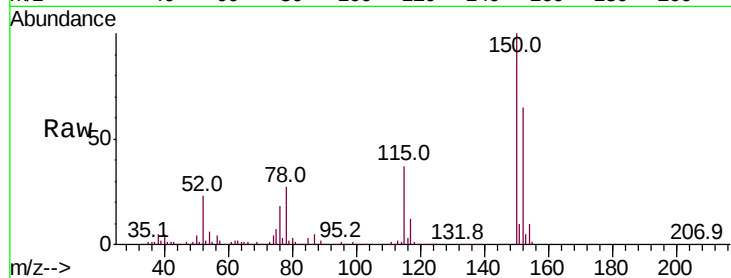


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW013005.D
Acq: 14 Sep 2019 20:14

Instrument :
MSVOA_W
ClientSampleId :

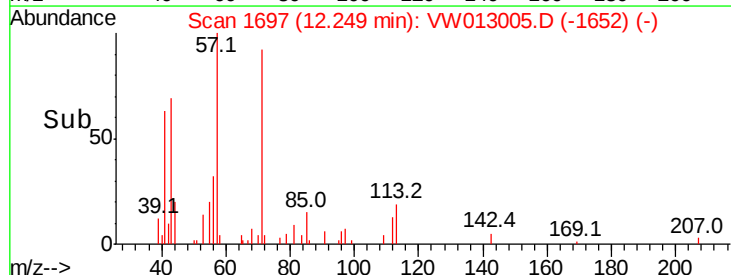
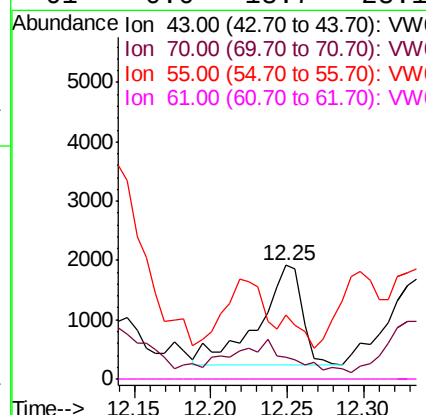
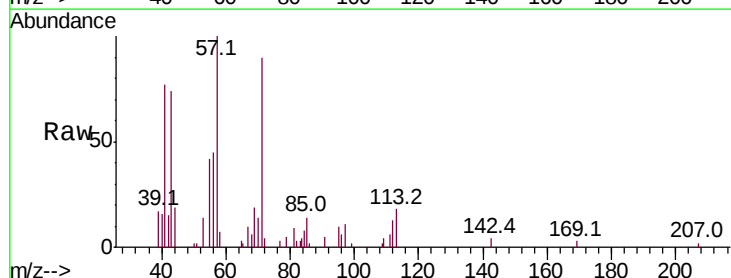
Tot Ion:152 Resp: 173095
Ion Ratio Lower Upper
152 100
115 57.5 28.8 86.4
150 155.8 0.0 340.2

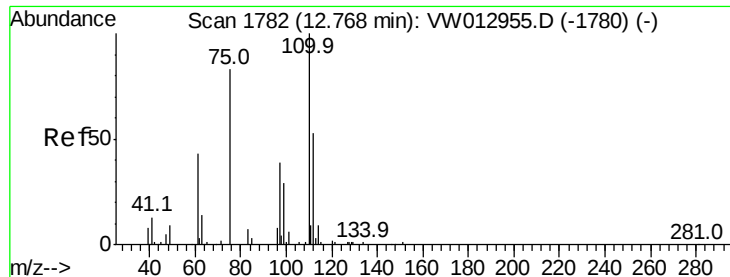


#74

N-ethyl acetate
Concen: 1.125 ug/l
RT: 12.25 min Scan# 1697
Delta R.T. -0.02 min
Lab File: VW013005.D
Acq: 14 Sep 2019 20:14

Tgt Ion: 43 Resp: 3321
Ion Ratio Lower Upper
43 100
70 44.4 31.7 47.5
55 0.0 19.4 29.2#
61 0.0 18.7 28.1#





#76

1,2,3-Trichloropropane

Concen: 62.236 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013005.D

Acq: 14 Sep 2019 20:14

Instrument :

MSVOA_W

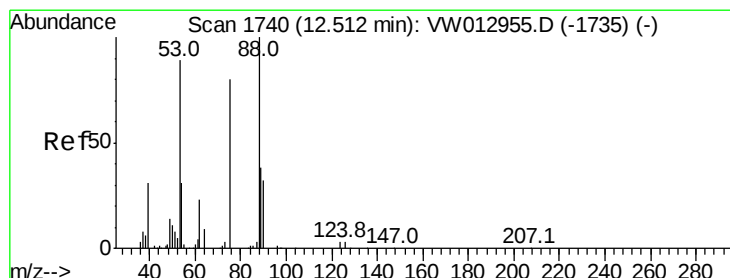
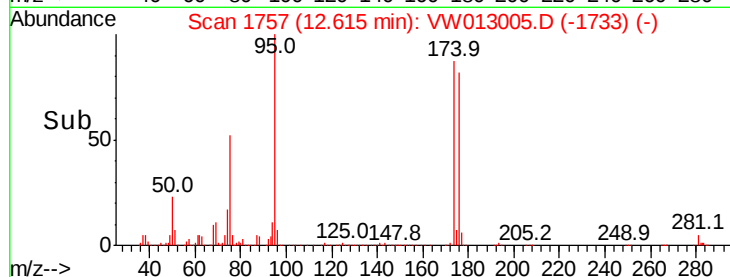
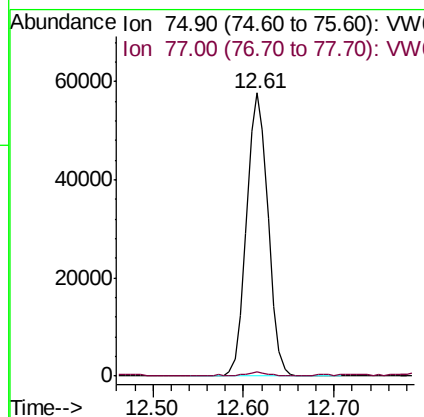
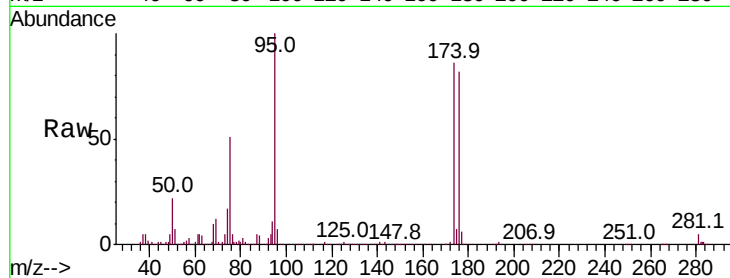
ClientSampleId :

Tot Ion: 75 Resp: 94361

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 141.182 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013005.D

Acq: 14 Sep 2019 20:14

Tgt Ion: 75 Resp: 94361

Ion Ratio Lower Upper

75 100

53 0.4 85.6 128.4#

89 0.1 37.2 55.8#

