

Data File : VW013114.D
Acq On : 18 Sep 2019 15:36
Operator : SY/VA
Sample : K4931-01
Misc : 3.69G/5ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
290-371

Quant Time: Sep 19 07:55:21 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	323349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	482514	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	365567	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	122840	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	147674	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
35) Dibromofluoromethane	7.88	113	138851	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	
50) Toluene-d8	10.32	98	542467	52.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.90%	
62) 4-Bromofluorobenzene	12.62	95	144389	39.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.38%	

Target Compounds

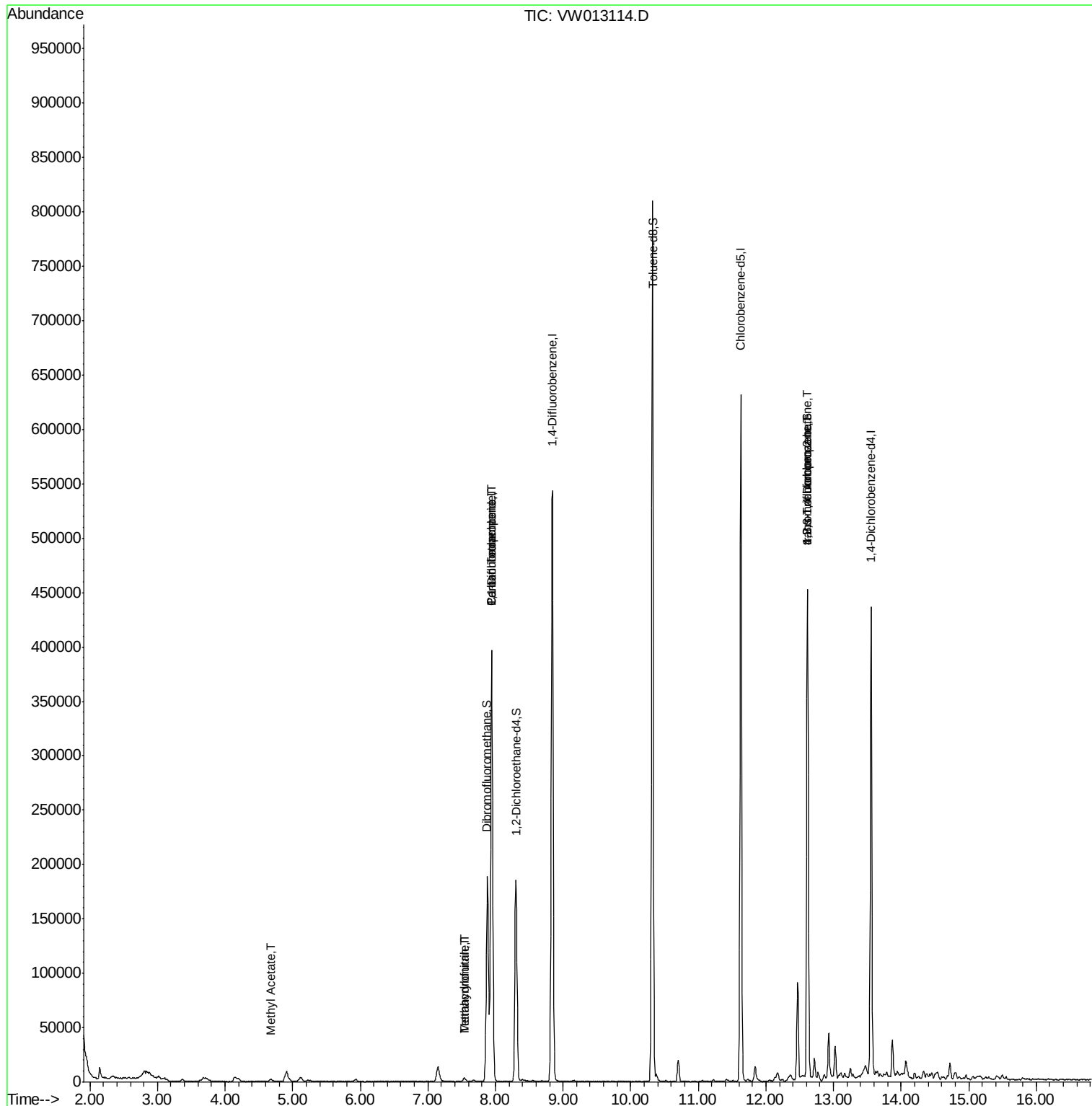
						Qvalue
3) Chloromethane	2.21	50	240	Below Cal	#	41
11) Tert butyl alcohol	5.13	59	3462	Below Cal	#	72
16) Acetone	4.14	43	8470	Below Cal	#	79
18) Methyl Acetate	4.67	43	4294	2.524	ug/l	97
20) Methylene Chloride	4.92	84	7319	Below Cal	#	83
26) 2,2-Dichloropropane	7.15	77	1154	Below Cal	#	55
29) Tetrahydrofuran	7.54	42	2772	5.123	ug/l #	89
31) Cyclohexane	7.94	56	5529	Below Cal	#	1
36) 1,1-Dichloropropene	7.95	75	21457	5.565	ug/l #	51
38) Carbon Tetrachloride	7.95	117	29340	7.425	ug/l #	15
41) Methacrylonitrile	7.53	41	1955	1.451	ug/l #	26
76) 1,2,3-Trichloropropane	12.62	75	70801	65.801	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	70801	149.269	ug/l #	7

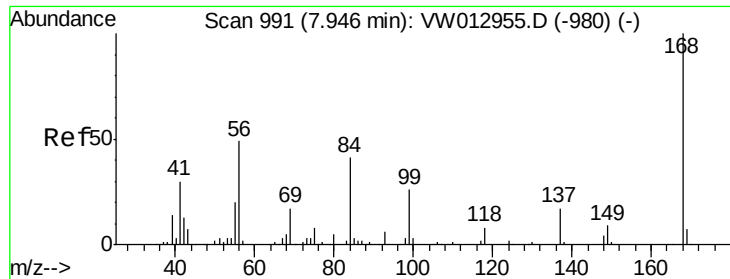
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013114.D

Acq: 18 Sep 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

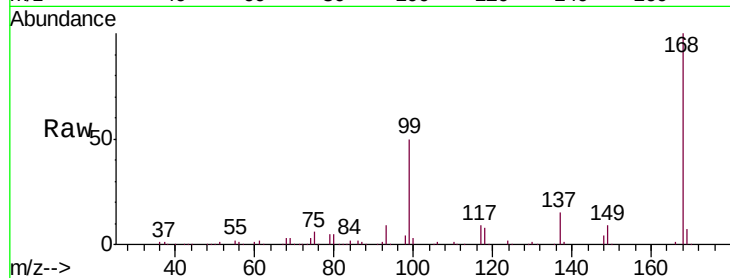
290-371

Tgt Ion:168 Resp: 323349

Ion Ratio Lower Upper

168 100

99 49.7 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

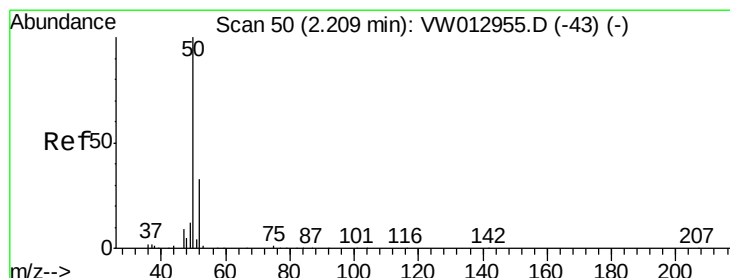
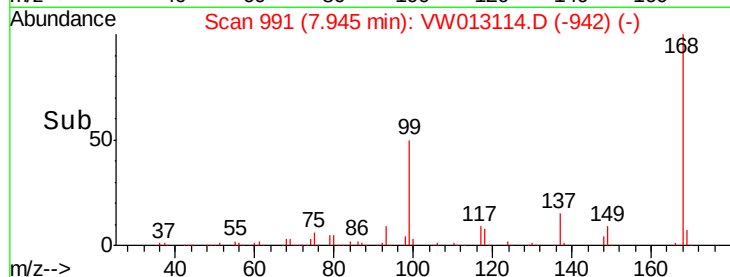
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013114.D

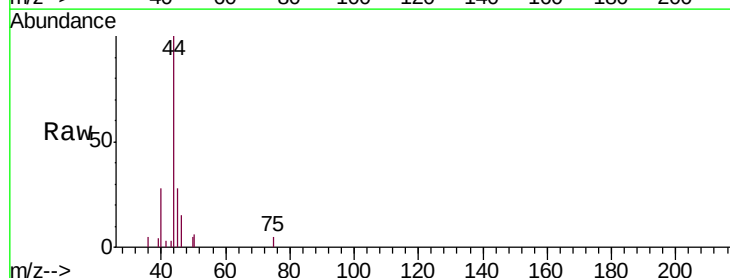
Acq: 18 Sep 2019 15:36

Tgt Ion: 50 Resp: 240

Ion Ratio Lower Upper

50 100

52 0.0 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.21

250

200

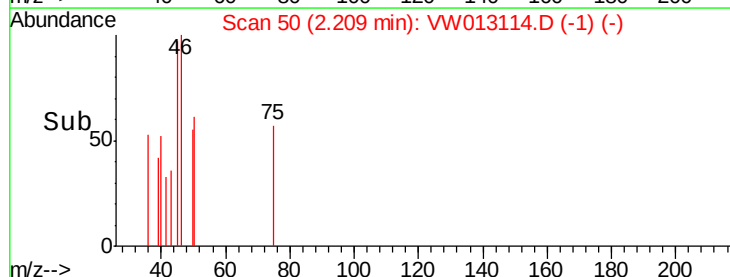
150

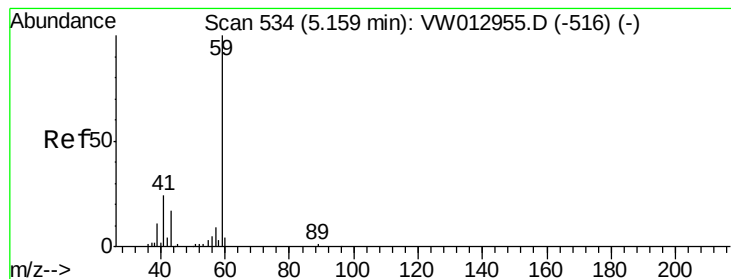
100

50

0

Time--> 2.16 2.18 2.20 2.22 2.24



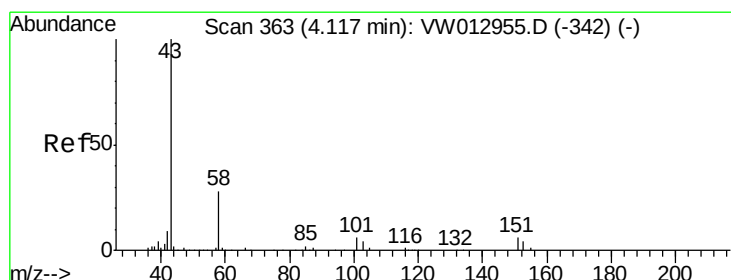
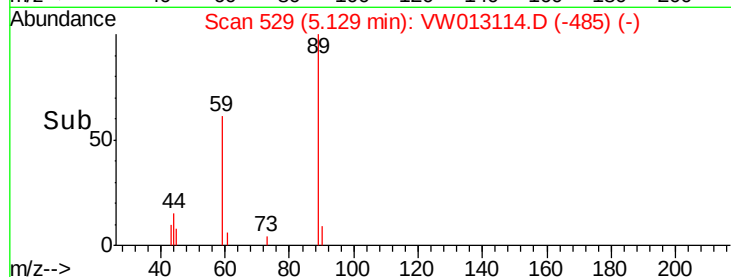
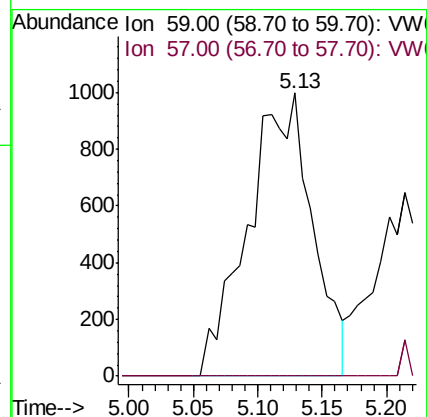
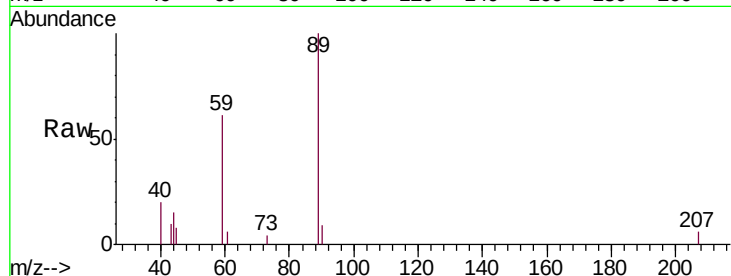


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.13 min Scan# 529
Delta R.T. -0.03 min
Lab File: VW013114.D
Acq: 18 Sep 2019 15:36

Instrument :
MSVOA_W
ClientSampled :
290-371

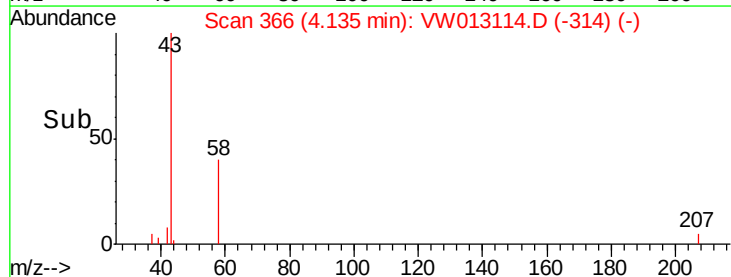
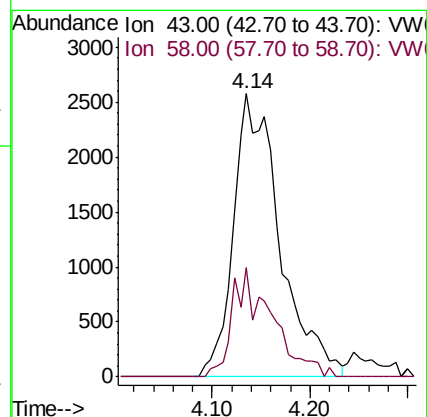
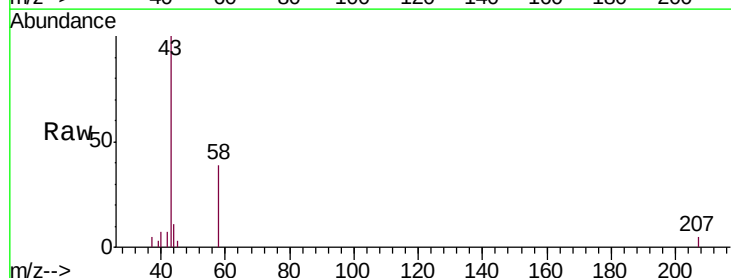
Tgt Ion: 59 Resp: 3462
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

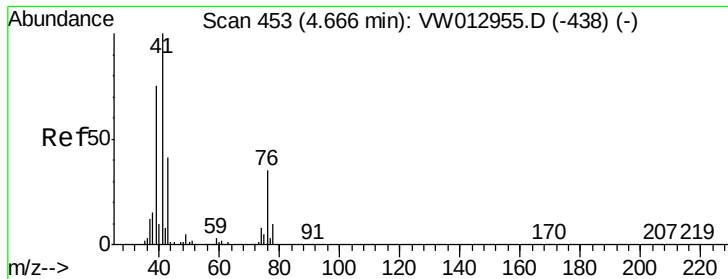


#16

Acetone
Concen: Below Cal
RT: 4.14 min Scan# 366
Delta R.T. 0.02 min
Lab File: VW013114.D
Acq: 18 Sep 2019 15:36

Tgt Ion: 43 Resp: 8470
Ion Ratio Lower Upper
43 100
58 38.8 22.3 33.5#

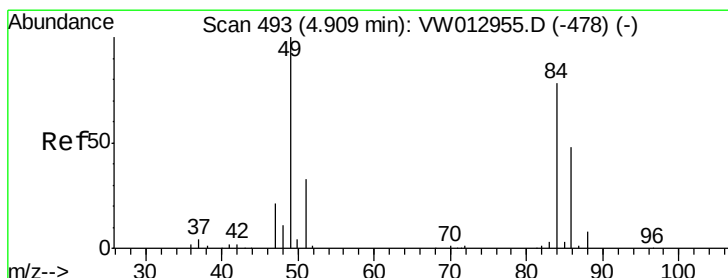
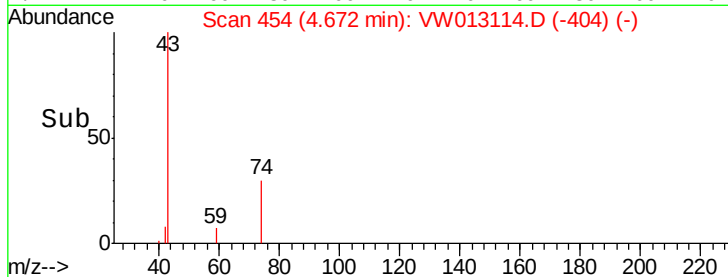
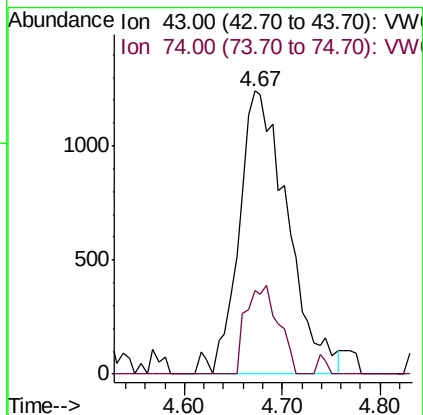
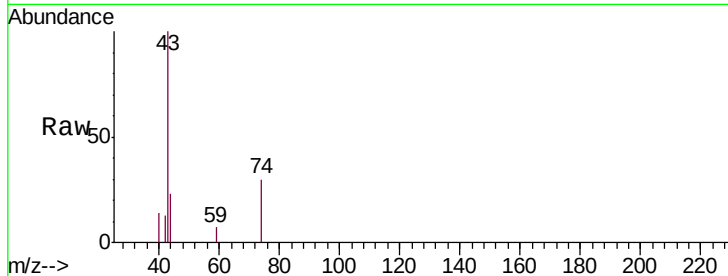




#18
Methyl Acetate
Concen: 2.524 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW013114.D
Acq: 18 Sep 2019 15:36

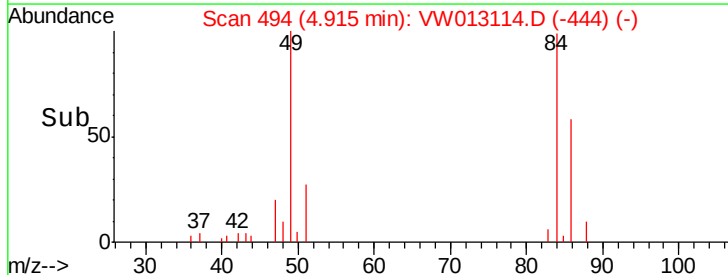
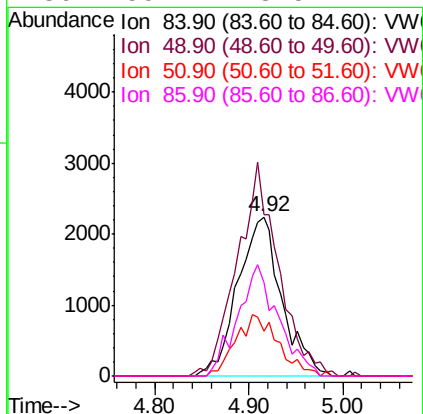
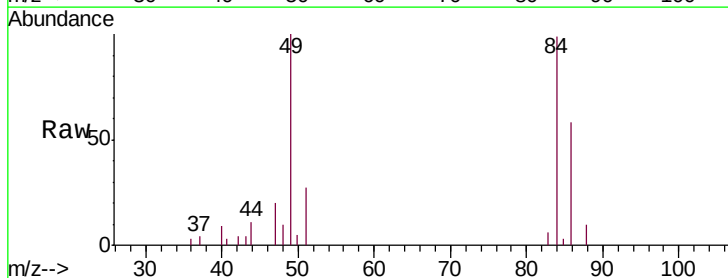
Instrument :
MSVOA_W
ClientSampled :
290-371

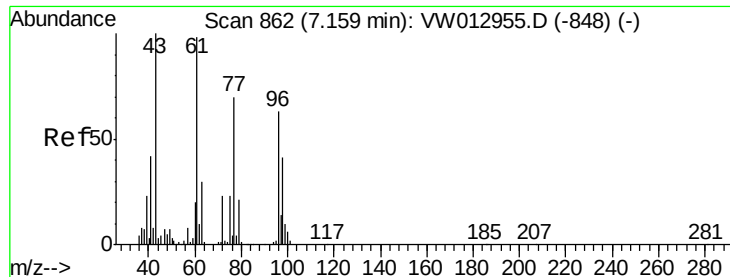
Tgt Ion: 43 Resp: 4294
Ion Ratio Lower Upper
43 100
74 20.7 17.8 26.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013114.D
Acq: 18 Sep 2019 15:36

Tgt Ion: 84 Resp: 7319
Ion Ratio Lower Upper
84 100
49 101.3 102.0 153.0#
51 27.8 34.0 51.0#
86 59.1 48.5 72.7

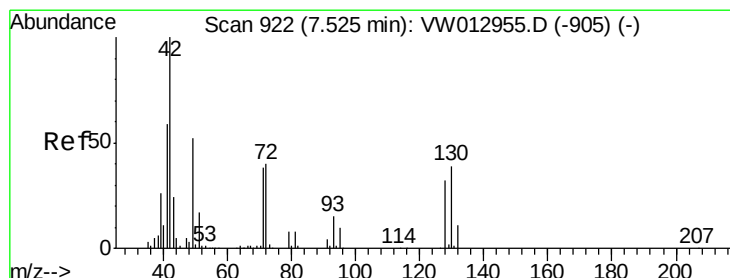
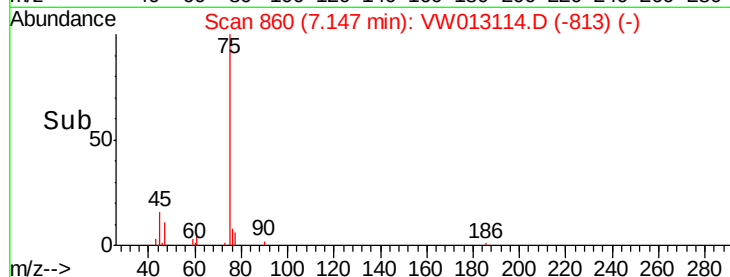
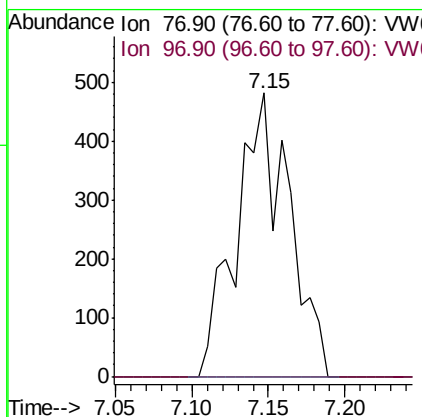
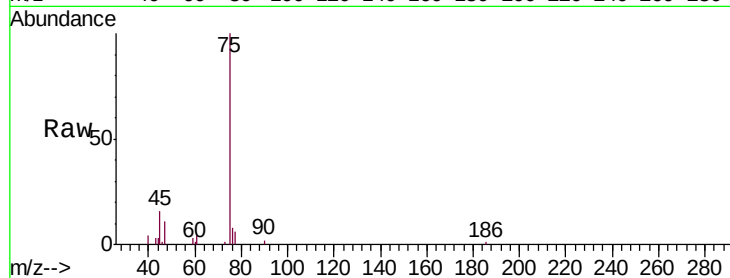




#26
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.15 min Scan# 860
 Delta R.T. -0.01 min
 Lab File: VW013114.D
 Acq: 18 Sep 2019 15:36

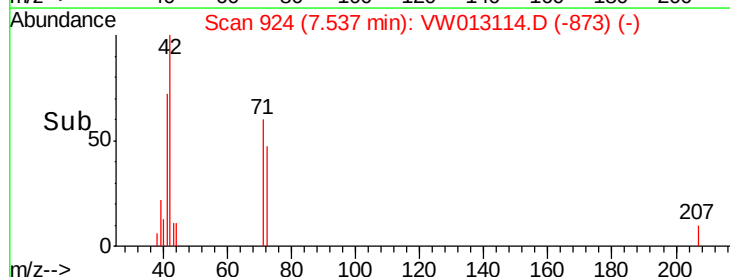
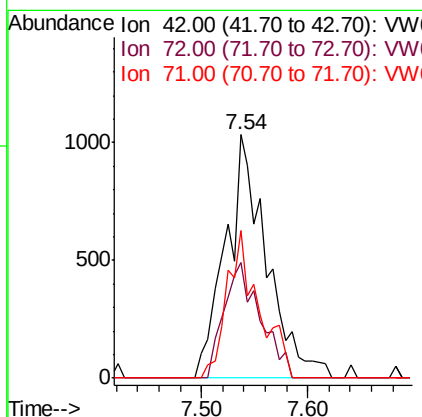
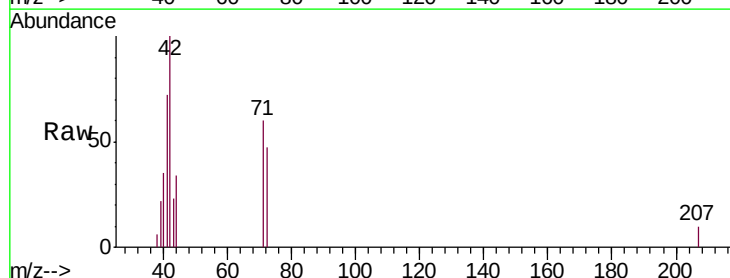
Instrument :
 MSVOA_W
 ClientSampled :
 290-371

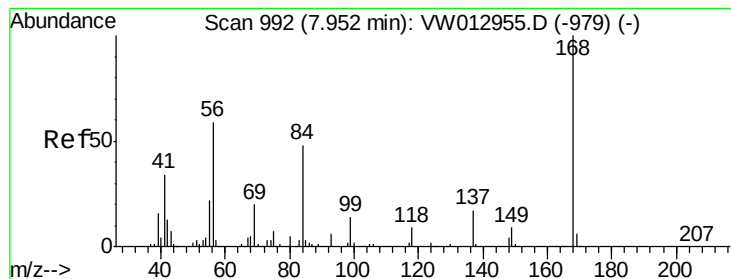
Tgt Ion: 77 Resp: 1154
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.7 32.1#



#29
 Tetrahydrofuran
 Concen: 5.123 ug/l
 RT: 7.54 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VW013114.D
 Acq: 18 Sep 2019 15:36

Tgt Ion: 42 Resp: 2772
 Ion Ratio Lower Upper
 42 100
 72 42.4 31.4 47.0
 71 47.2 29.8 44.8#





#31

Cyclohexane

Concen: Below Cal

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013114.D

Acq: 18 Sep 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

290-371

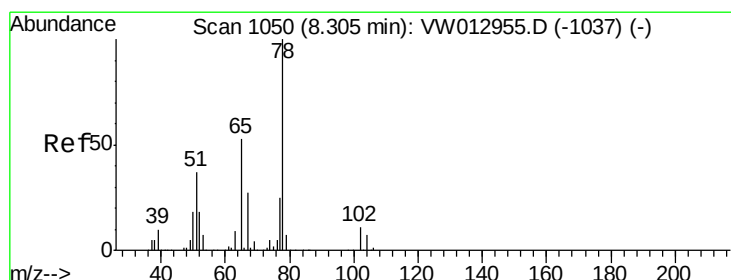
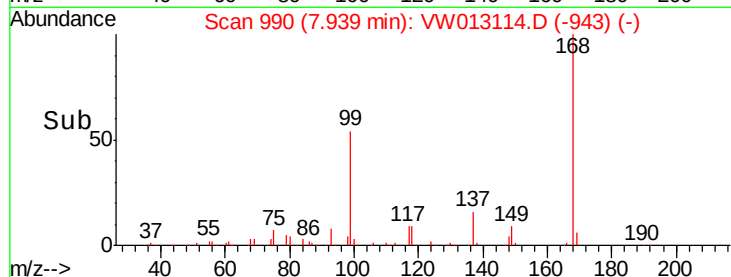
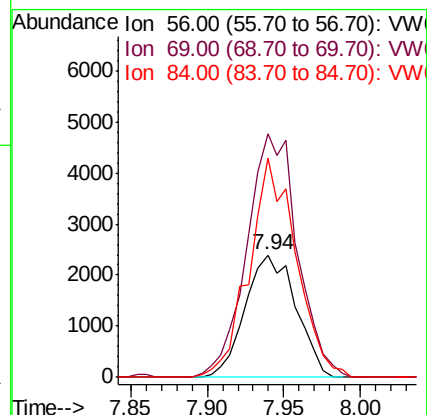
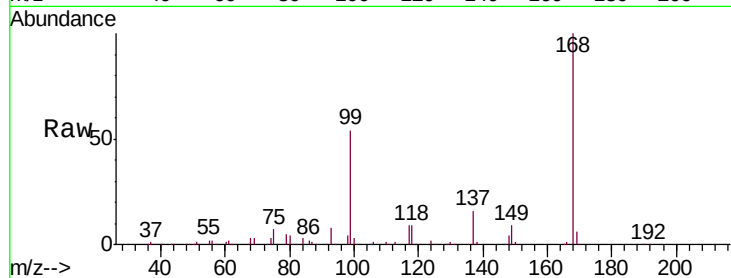
Tgt Ion: 56 Resp: 5529

Ion Ratio Lower Upper

56 100

69 198.9 27.0 40.6#

84 178.8 66.2 99.2#



#33

1,2-Dichloroethane-d4

Concen: 49.450 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013114.D

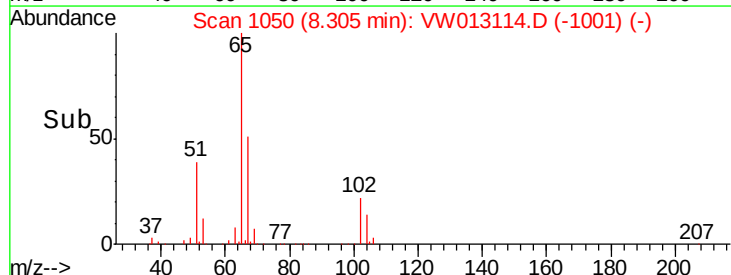
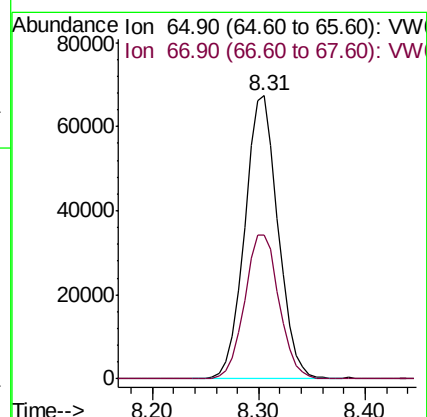
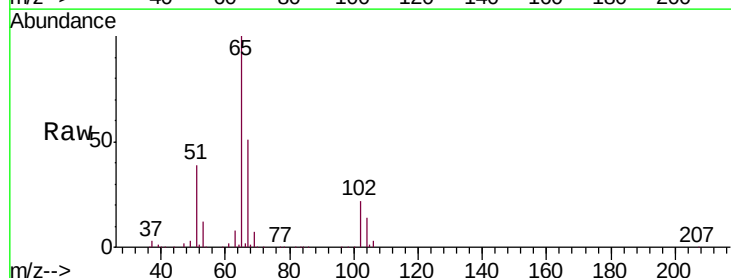
Acq: 18 Sep 2019 15:36

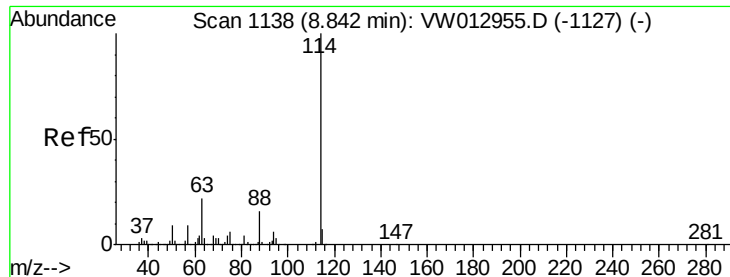
Tgt Ion: 65 Resp: 147674

Ion Ratio Lower Upper

65 100

67 52.9 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: VW013114.D

Acq: 18 Sep 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

290-371

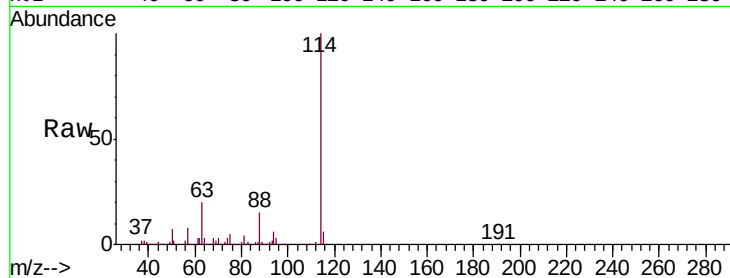
Tgt Ion:114 Resp: 482514

Ion Ratio Lower Upper

114 100

63 19.5 0.0 43.4

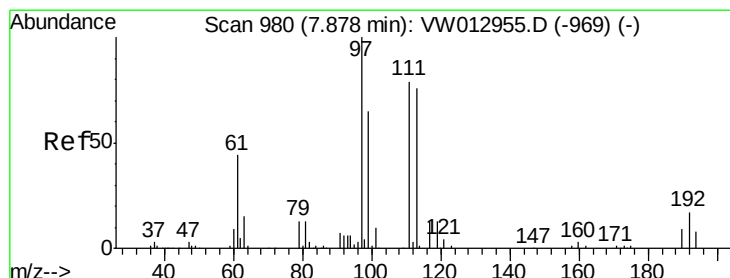
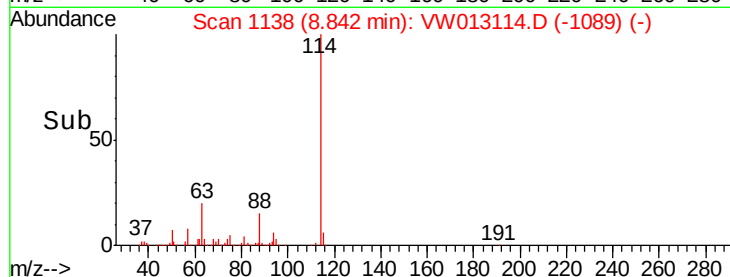
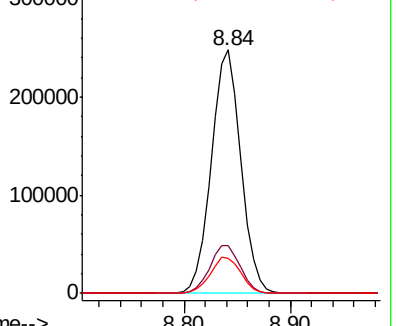
88 14.6 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 53.033 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013114.D

Acq: 18 Sep 2019 15:36

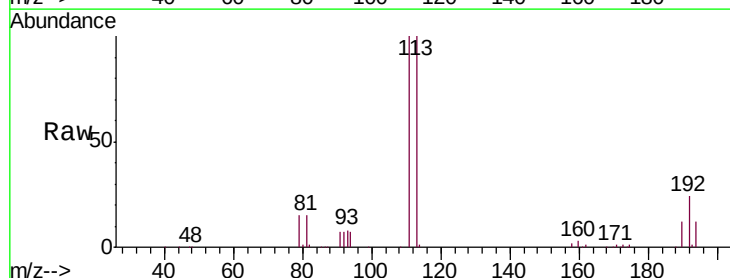
Tgt Ion:113 Resp: 138851

Ion Ratio Lower Upper

113 100

111 102.6 82.8 124.2

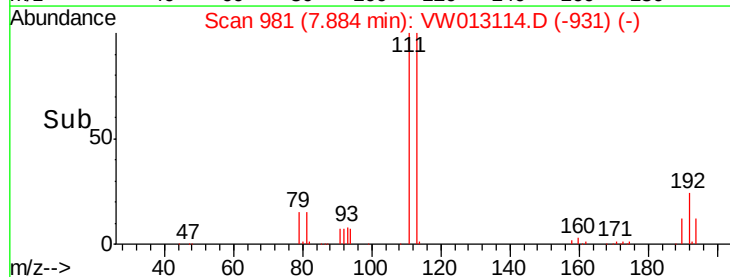
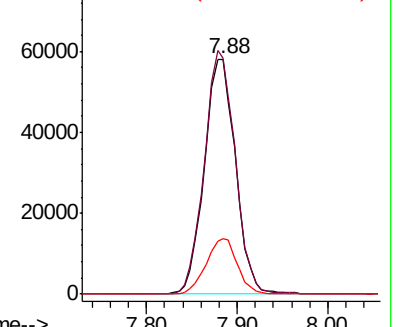
192 23.6 17.8 26.8

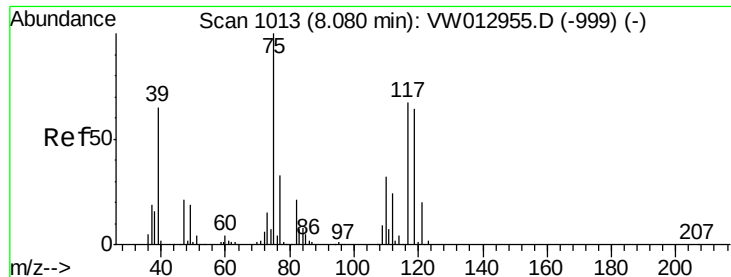


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

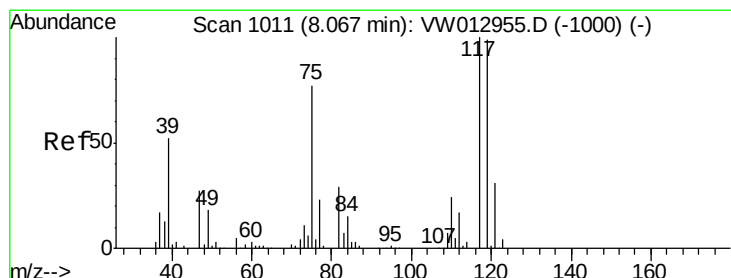
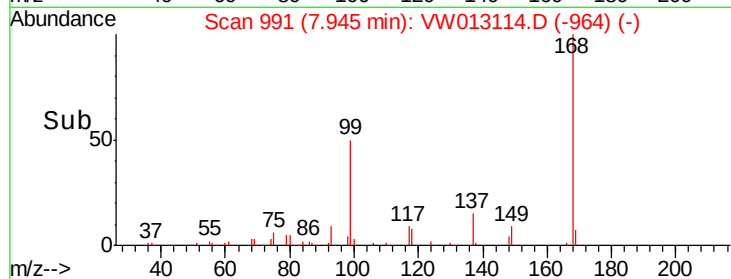
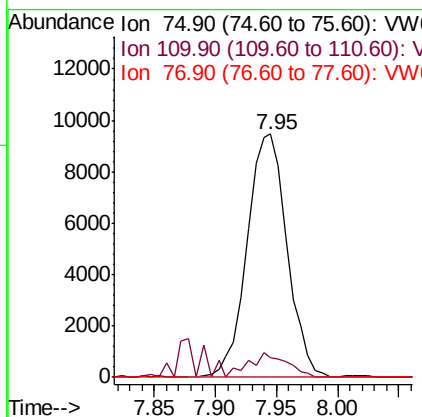
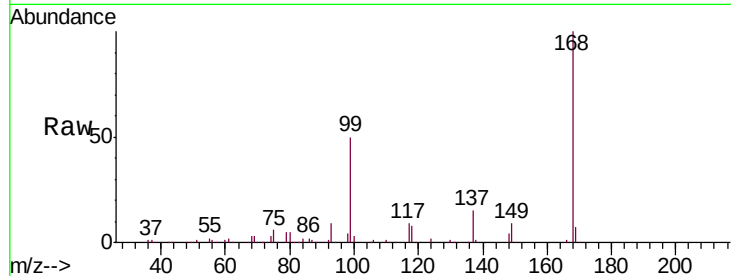




#36
 1,1-Dichloropropene
 Concen: 5.565 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013114.D
 Acq: 18 Sep 2019 15:36

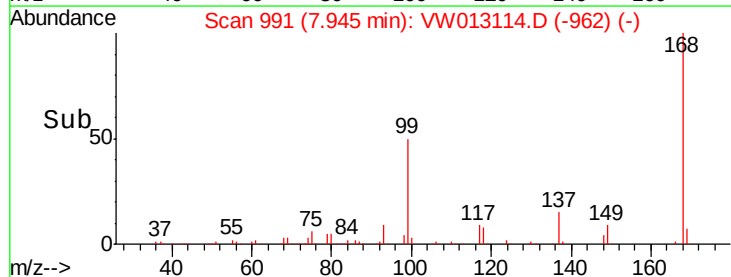
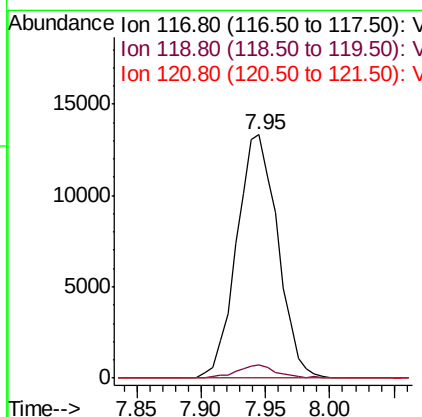
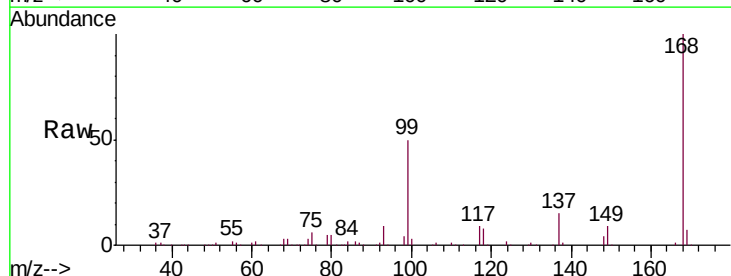
Instrument :
 MSVOA_W
 ClientSampleId :
 290-371

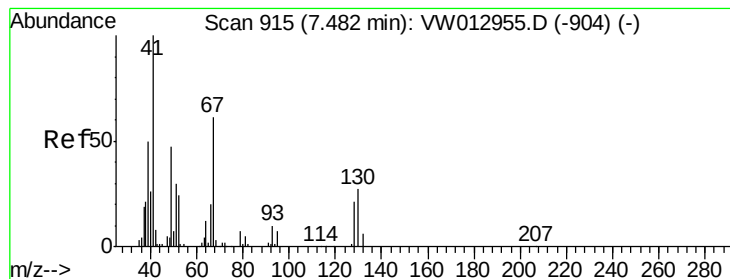
Tgt Ion: 75 Resp: 21457
 Ion Ratio Lower Upper
 75 100
 110 9.6 16.4 49.1#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 7.425 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013114.D
 Acq: 18 Sep 2019 15:36

Tgt Ion: 117 Resp: 29340
 Ion Ratio Lower Upper
 117 100
 119 5.3 79.4 119.0#
 121 0.0 24.6 36.8#





#41

Methacrylonitrile

Concen: 1.451 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.05 min

Lab File: VW013114.D

Acq: 18 Sep 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

290-371

Tgt Ion: 41 Resp: 1955

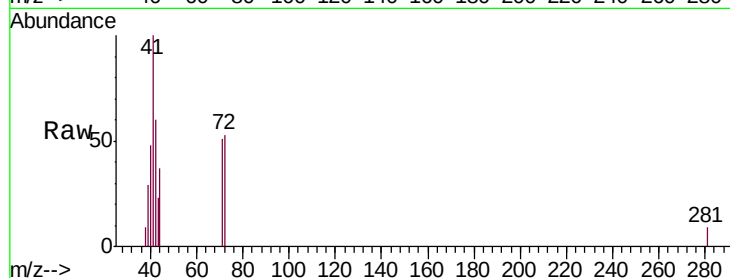
Ion Ratio Lower Upper

41 100

39 0.0 48.2 72.4#

67 0.0 47.5 71.3#

52 0.0 21.0 31.4#

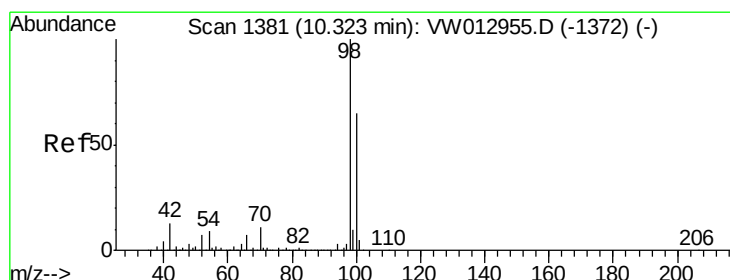
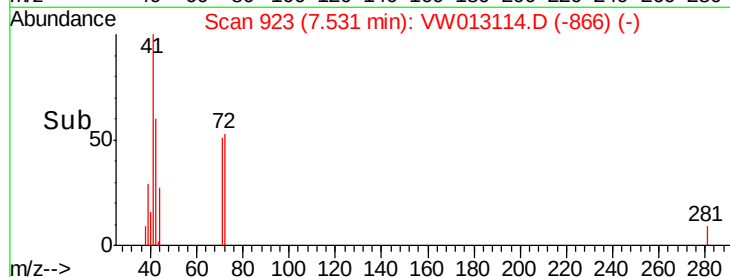
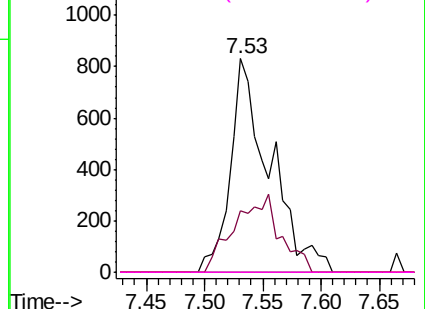


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#50

Toluene-d8

Concen: 52.948 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013114.D

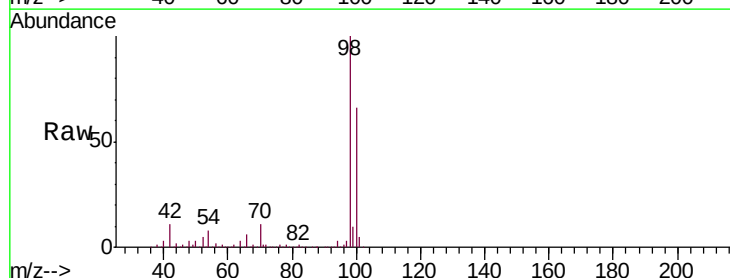
Acq: 18 Sep 2019 15:36

Tgt Ion: 98 Resp: 542467

Ion Ratio Lower Upper

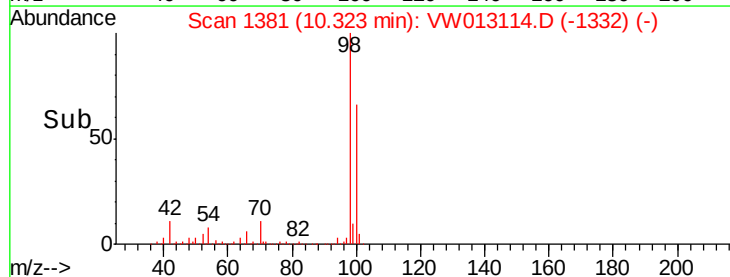
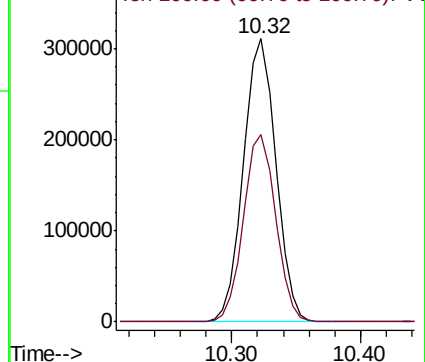
98 100

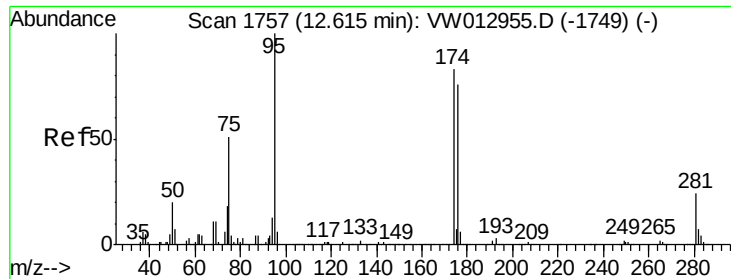
100 65.9 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

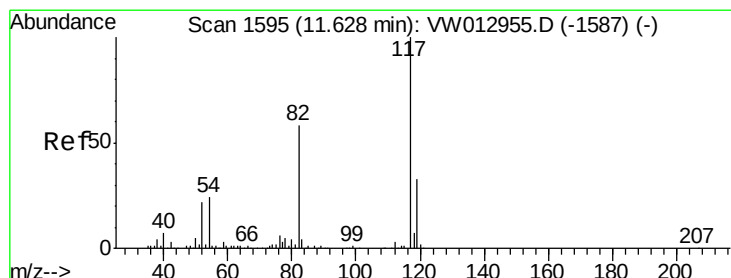
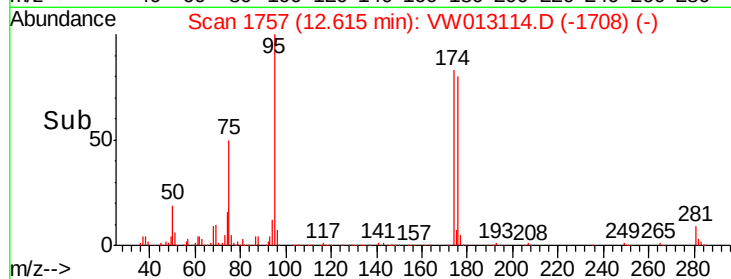
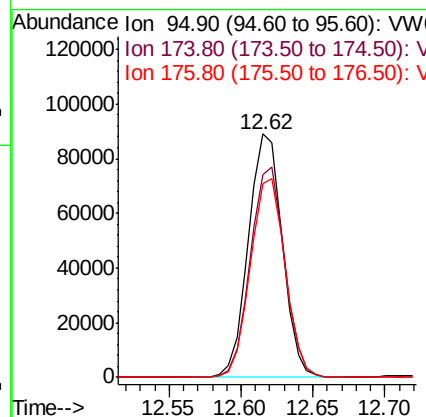
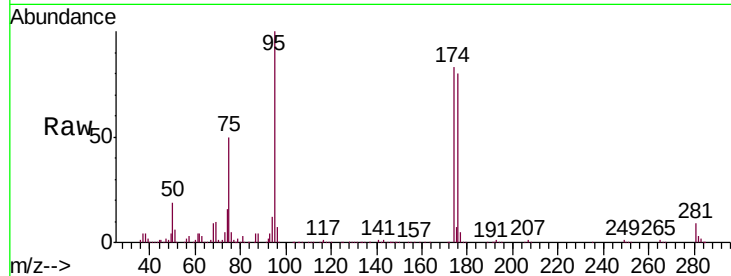




#62
4-Bromofluorobenzene
Concen: 39.194 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013114.D
Acq: 18 Sep 2019 15:36

Instrument :
MSVOA_W
ClientSampleId :
290-371

Tgt Ion: 95 Resp: 144389
Ion Ratio Lower Upper
95 100
174 87.5 0.0 170.4
176 83.9 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: VW013114.D
Acq: 18 Sep 2019 15:36

Tgt Ion: 117 Resp: 365567
Ion Ratio Lower Upper
117 100
82 55.4 46.3 69.5
119 31.0 26.2 39.4

