

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082919\
 Data File : VU034035.D
 Acq On : 28 Aug 2019 20:01
 Operator : JC/SP
 Sample : K4577-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GW-1

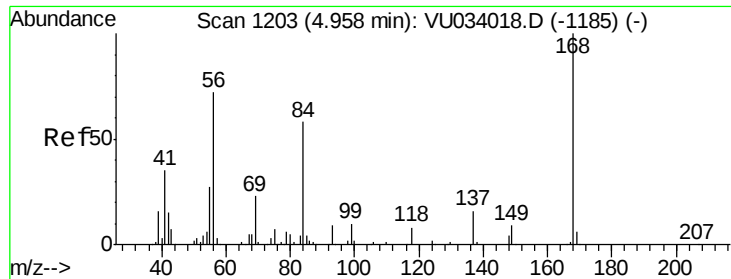
Quant Time: Aug 29 04:19:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	468701	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	743639	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	710261	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	355988	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.29	65	296995	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	
35) Dibromofluoromethane	4.86	113	241728	46.87	ug/l	0.00
Spiked Amount			Recovery	=	93.74%	
50) Toluene-d8	7.55	98	939562	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	
62) 4-Bromofluorobenzene	10.29	95	329993	43.93	ug/l	0.00
Spiked Amount			Recovery	=	87.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1473	Below Cal	#	83
5) Bromomethane	1.63	94	343	Below Cal		83
11) Tert butyl alcohol	2.82	59	4488	3.241	ug/l #	86
13) Acrolein	2.18	56	189	0.324	ug/l #	1
14) Allyl chloride	2.43	41	8341	0.945	ug/l #	60
16) Acetone	2.31	43	8993	2.935	ug/l	95
18) Methyl Acetate	2.43	43	19332	2.441	ug/l #	51
31) Cyclohexane	4.96	56	8600	0.959	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	33974	4.830	ug/l #	49
38) Carbon Tetrachloride	4.96	117	43159	6.357	ug/l #	16
76) 1,2,3-Trichloropropane	10.29	75	159824	19.920	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.29	75	159824	67.075	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.53	180	92	1.126	ug/l #	12
95) Naphthalene	13.78	128	338	1.805	ug/l #	70

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034035.D

Acq: 28 Aug 2019 20:01

Instrument :

MSVOA_U

ClientSampleId :

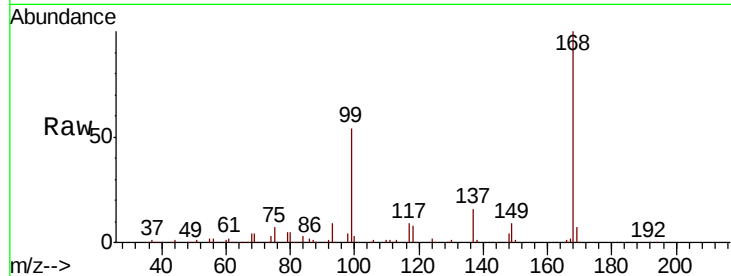
GW-1

Tgt Ion:168 Resp: 468701

Ion Ratio Lower Upper

168 100

99 53.6 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VU034018.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU034018.D (-1185) (-)

4.96

200000

150000

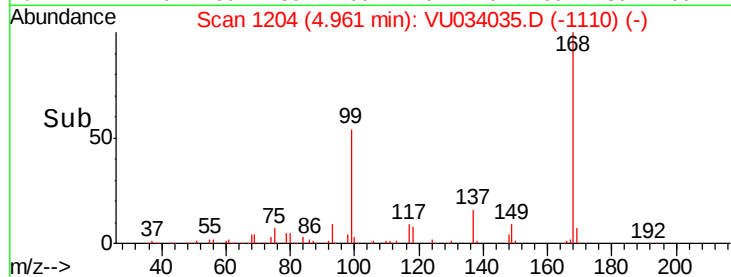
100000

50000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034035.D

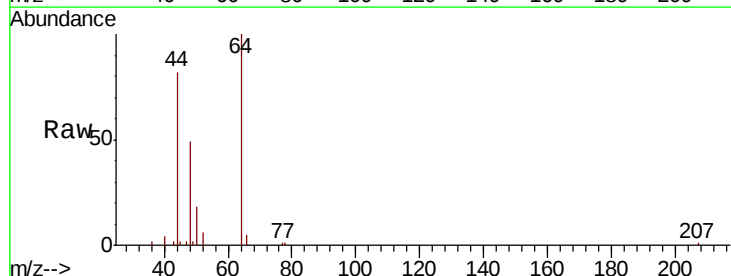
Acq: 28 Aug 2019 20:01

Tgt Ion: 50 Resp: 1473

Ion Ratio Lower Upper

50 100

52 42.6 26.2 39.4#



Abundance Ion 49.90 (49.60 to 50.60): VU034018.D (-63) (-)

Ion 51.90 (51.60 to 52.60): VU034018.D (-63) (-)

1.32

2000

1500

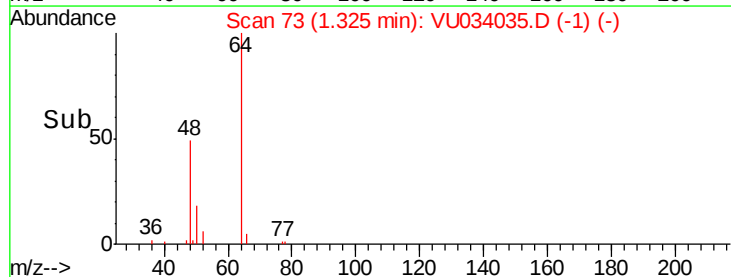
1000

500

0

1.30 1.32 1.34 1.36

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 167

Delta R.T. 0.03 min

Lab File: VU034035.D

Acq: 28 Aug 2019 20:01

Instrument :

MSVOA_U

ClientSampleId :

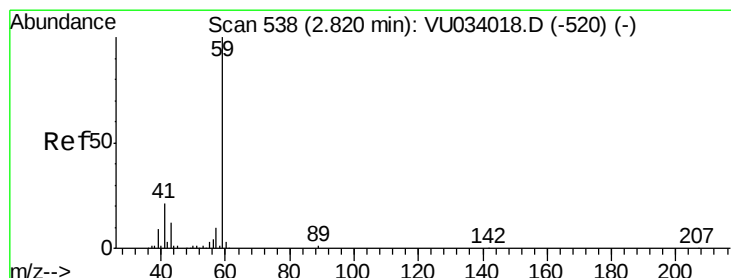
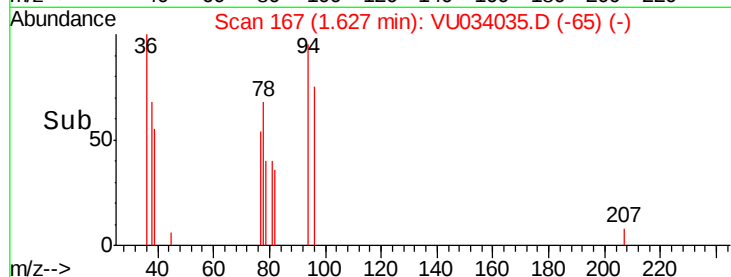
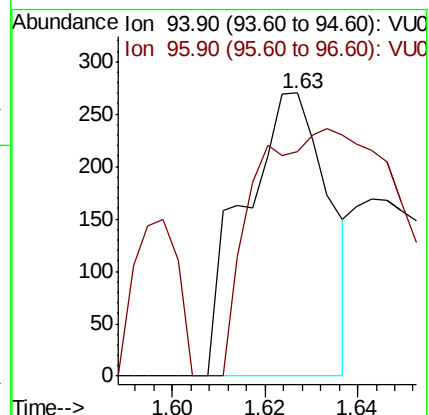
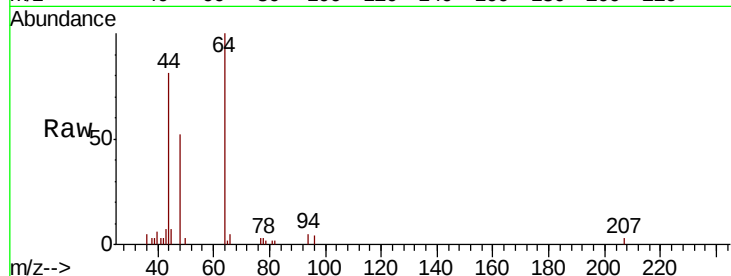
GW-1

Tgt Ion: 94 Resp: 343

Ion Ratio Lower Upper

94 100

96 79.3 76.3 114.5



#11

Tert butyl alcohol

Concen: 3.241 ug/l

RT: 2.82 min Scan# 537

Delta R.T. -0.00 min

Lab File: VU034035.D

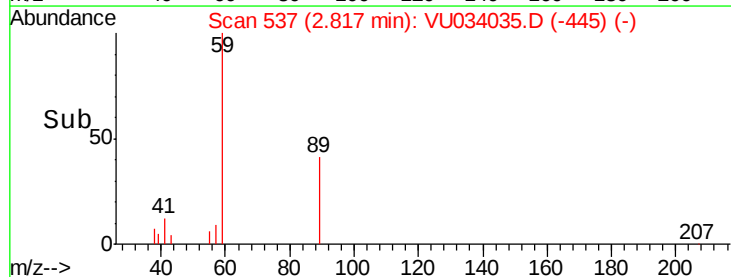
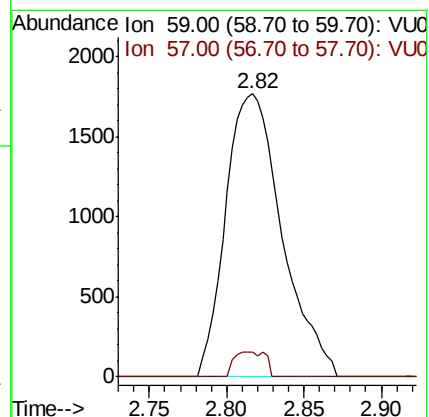
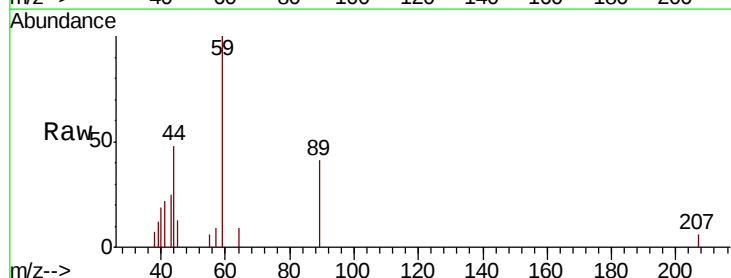
Acq: 28 Aug 2019 20:01

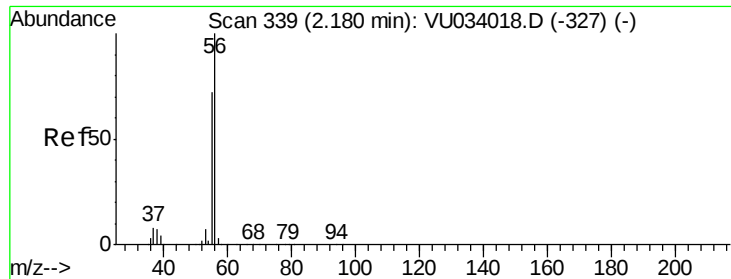
Tgt Ion: 59 Resp: 4488

Ion Ratio Lower Upper

59 100

57 4.8 8.0 12.0#





#13

Acrolein

Concen: 0.324 ug/l

RT: 2.18 min Scan# 339

Delta R.T. 0.00 min

Lab File: VU034035.D

Acq: 28 Aug 2019 20:01

Instrument :

MSVOA_U

ClientSampled :

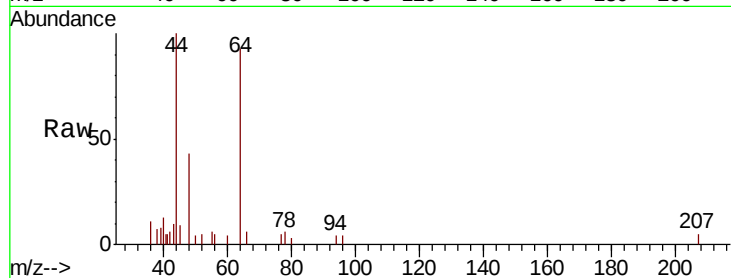
GW-1

Tgt Ion: 56 Resp: 189

Ion Ratio Lower Upper

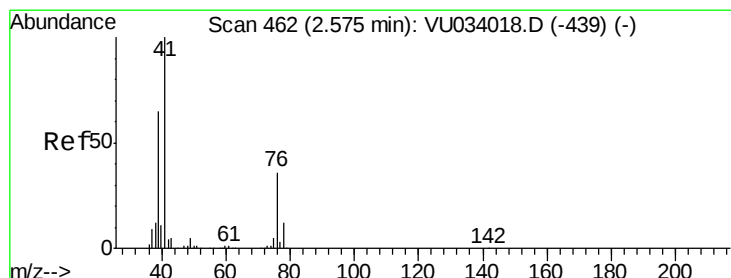
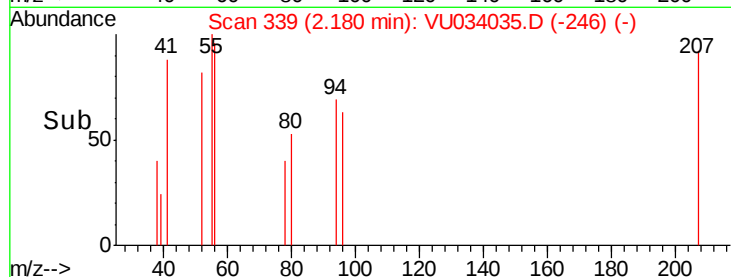
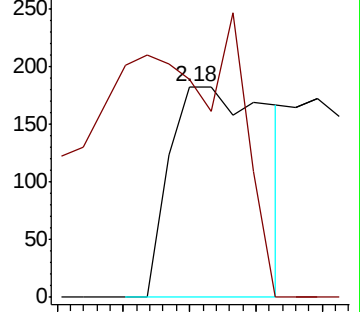
56 100

55 200.5 57.1 85.7#



Abundance Ion 56.00 (55.70 to 56.70): VU034018.D (-327) (-)

Ion 55.00 (54.70 to 55.70): VU034018.D (-327) (-)



#14

Allyl chloride

Concen: 0.945 ug/l

RT: 2.43 min Scan# 417

Delta R.T. -0.14 min

Lab File: VU034035.D

Acq: 28 Aug 2019 20:01

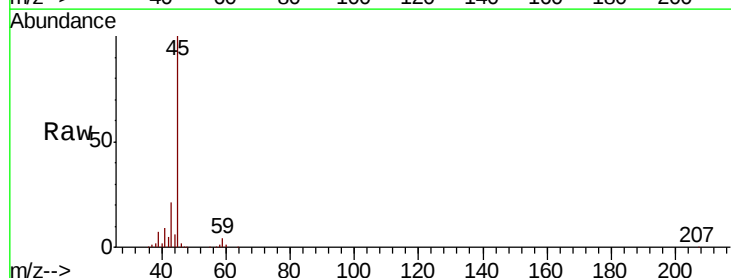
Tgt Ion: 41 Resp: 8341

Ion Ratio Lower Upper

41 100

39 80.5 46.8 70.2#

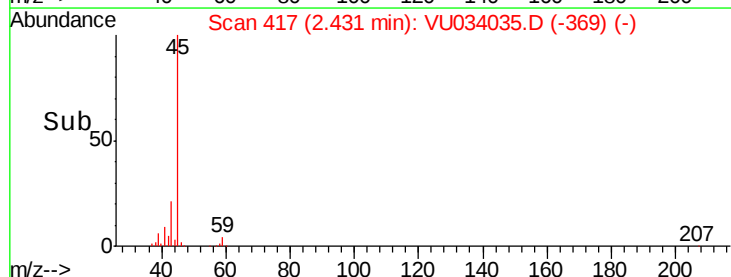
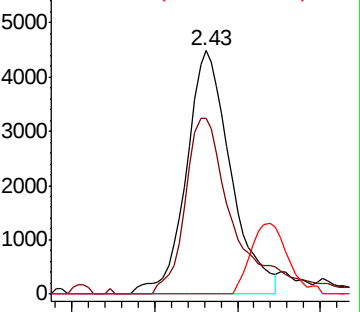
76 0.0 26.6 40.0#

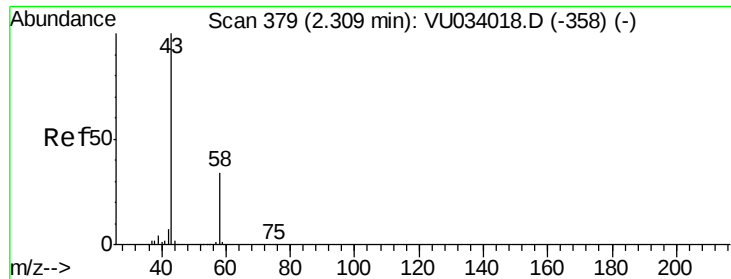


Abundance Ion 41.00 (40.70 to 41.70): VU034018.D (-439) (-)

Ion 39.00 (38.70 to 39.70): VU034018.D (-439) (-)

Ion 75.90 (75.60 to 76.60): VU034018.D (-439) (-)





#16

Acetone

Concen: 2.935 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034035.D

Acq: 28 Aug 2019 20:01

Instrument :

MSVOA_U

ClientSampleId :

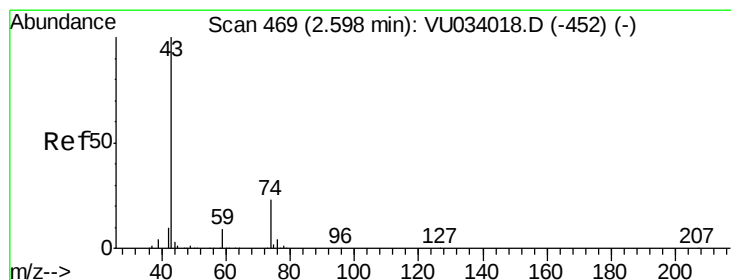
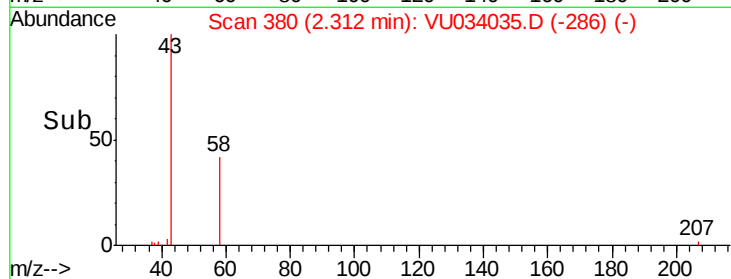
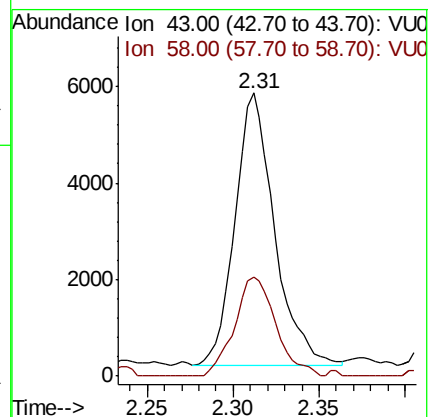
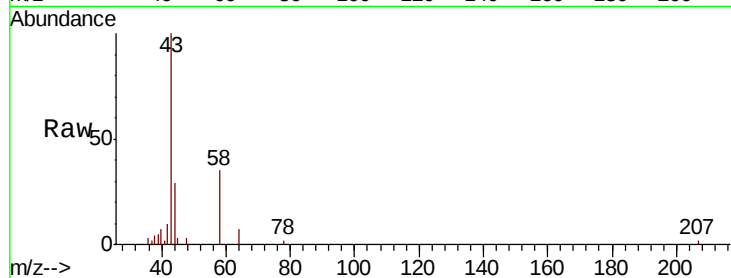
GW-1

Tgt Ion: 43 Resp: 8993

Ion Ratio Lower Upper

43 100

58 36.6 26.8 40.2



#18

Methyl Acetate

Concen: 2.441 ug/l

RT: 2.43 min Scan# 416

Delta R.T. -0.17 min

Lab File: VU034035.D

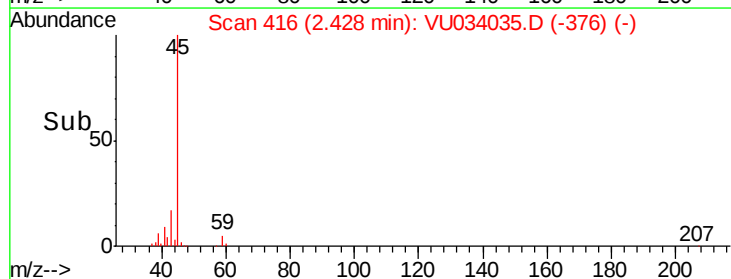
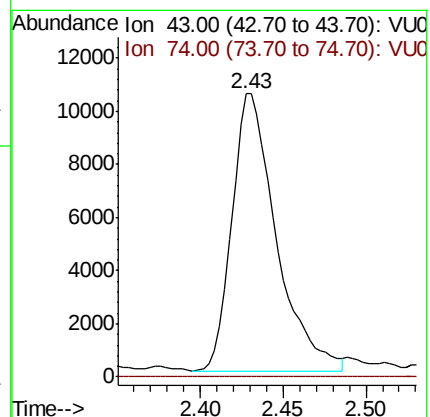
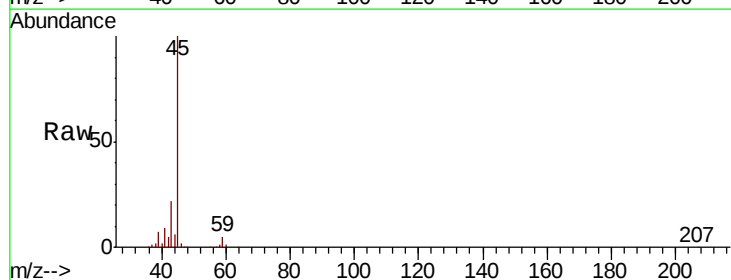
Acq: 28 Aug 2019 20:01

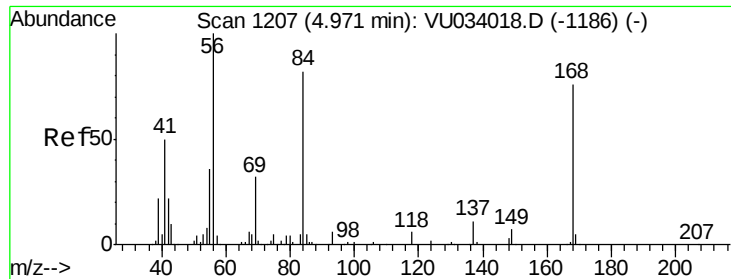
Tgt Ion: 43 Resp: 19332

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#

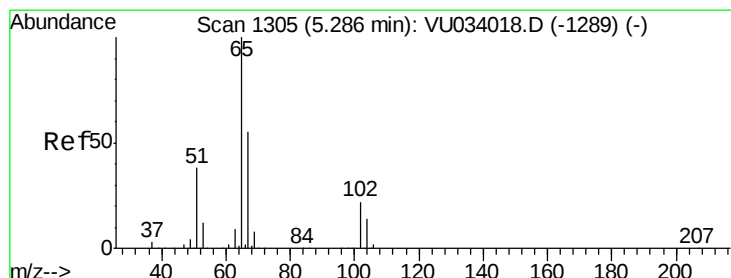
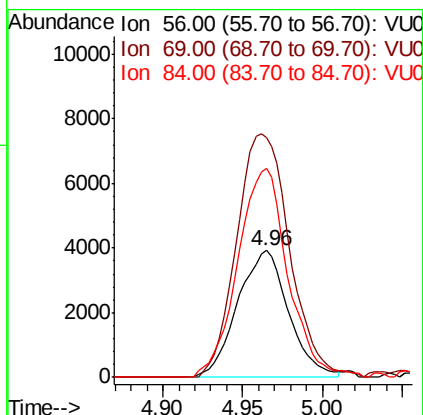
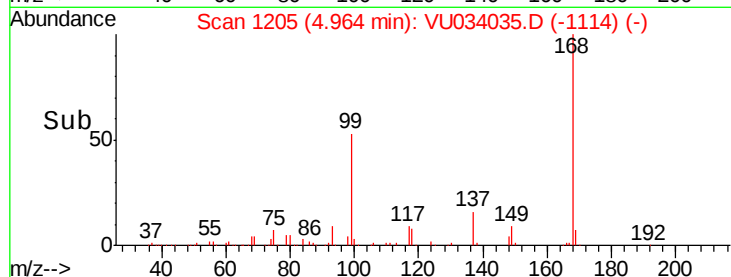
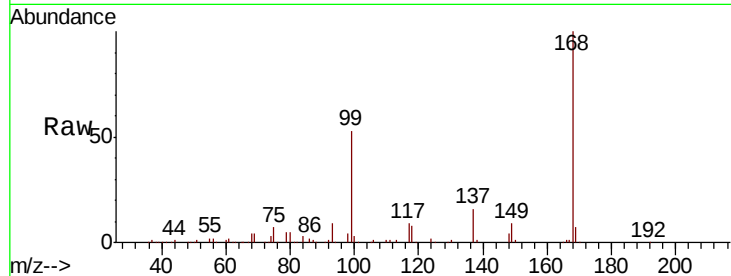




#31
Cyclohexane
Concen: 0.959 ug/l
RT: 4.96 min Scan# 1205
Delta R.T. -0.01 min
Lab File: VU034035.D
Acq: 28 Aug 2019 20:01

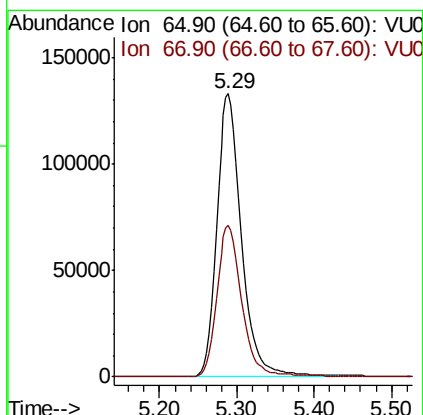
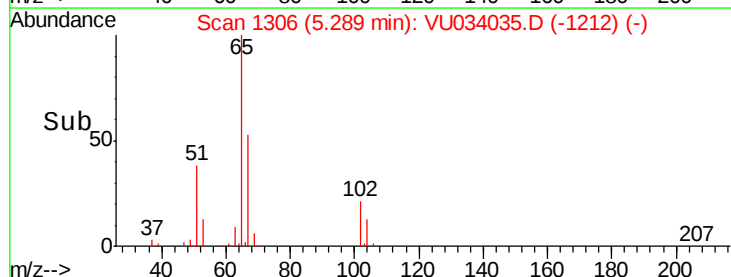
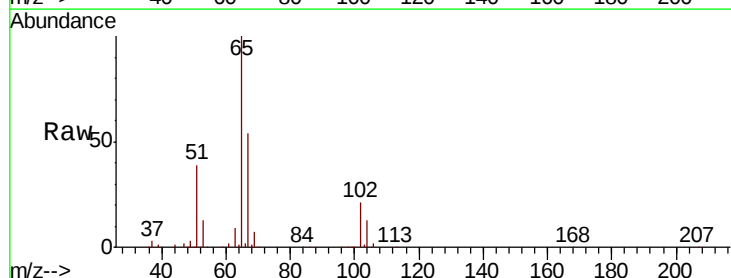
Instrument :
MSVOA_U
ClientSampleID :
GW-1

Tgt Ion: 56 Resp: 8600
Ion Ratio Lower Upper
56 100
69 188.7 25.4 38.0#
84 165.3 65.8 98.8#



#33
1,2-Dichloroethane-d4
Concen: 49.453 ug/l
RT: 5.29 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VU034035.D
Acq: 28 Aug 2019 20:01

Tgt Ion: 65 Resp: 296995
Ion Ratio Lower Upper
65 100
67 53.8 0.0 110.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.87 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VU034035.D

Acq: 28 Aug 2019 20:01

Instrument :

MSVOA_U

ClientSampleId :

GW-1

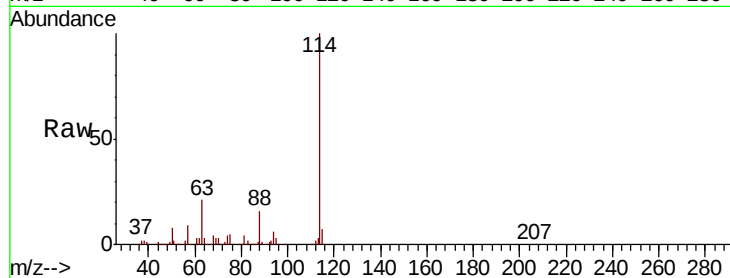
Tgt Ion:114 Resp: 743639

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.0

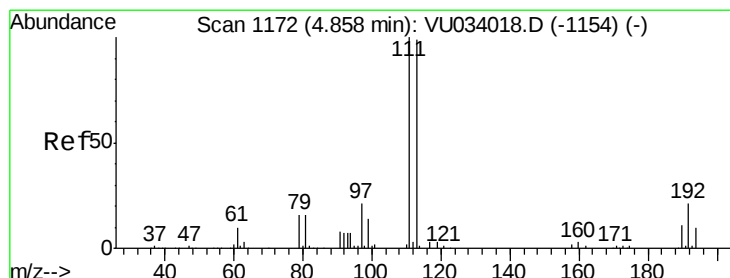
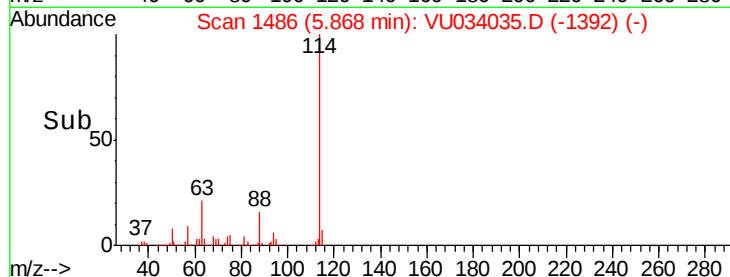
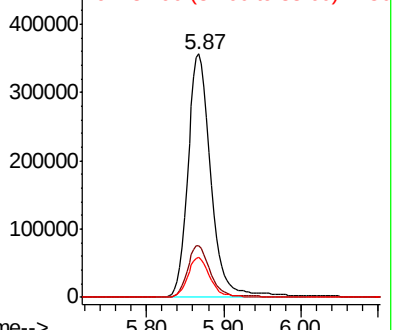
88 16.3 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 46.866 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034035.D

Acq: 28 Aug 2019 20:01

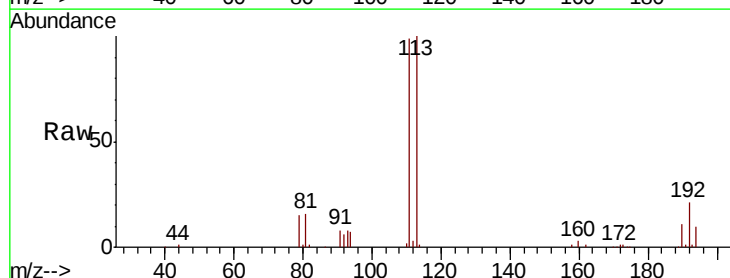
Tgt Ion:113 Resp: 241728

Ion Ratio Lower Upper

113 100

111 103.2 81.7 122.5

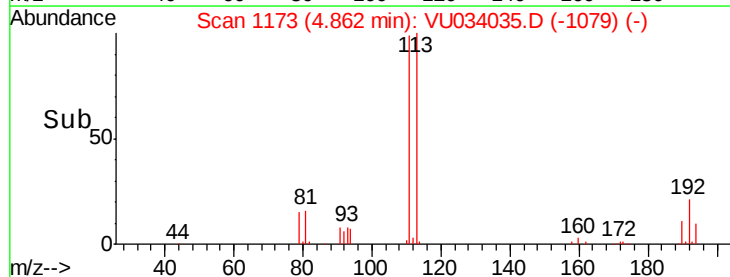
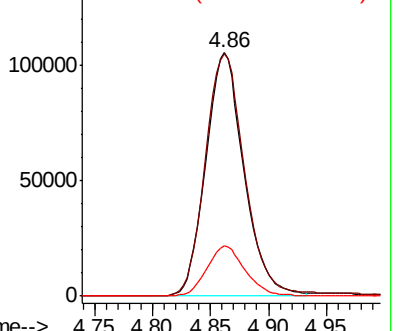
192 21.1 17.1 25.7

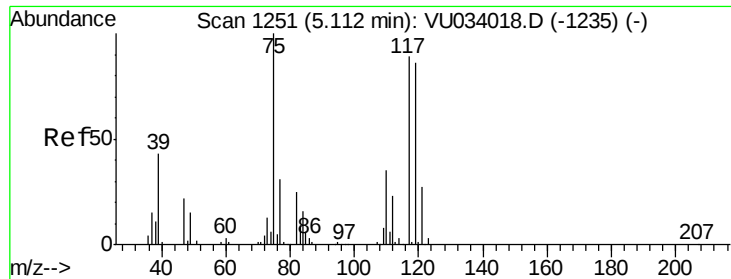


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

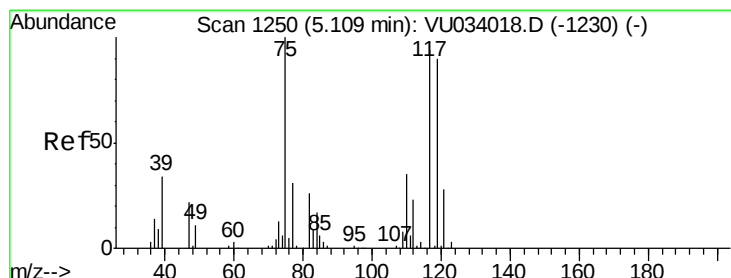
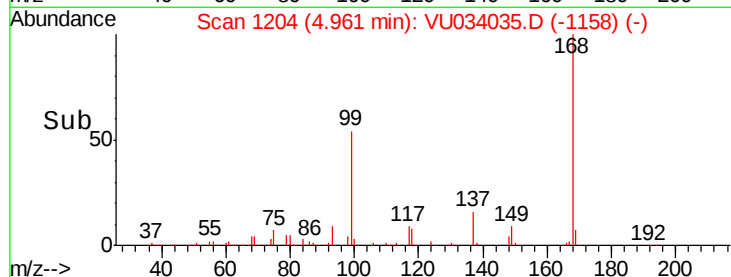
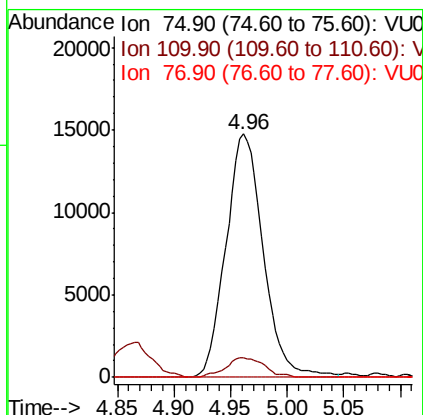
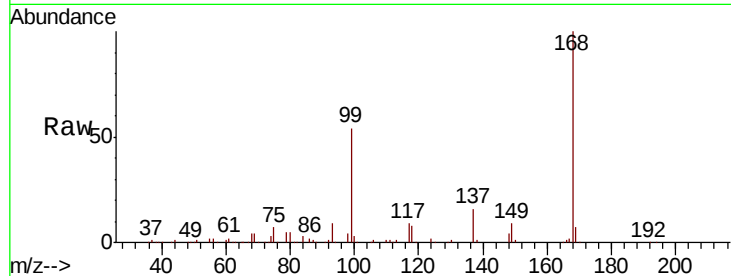




#36
 1,1-Dichloropropene
 Concen: 4.830 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034035.D
 Acq: 28 Aug 2019 20:01

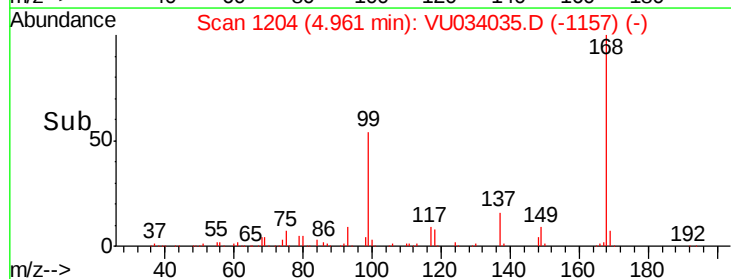
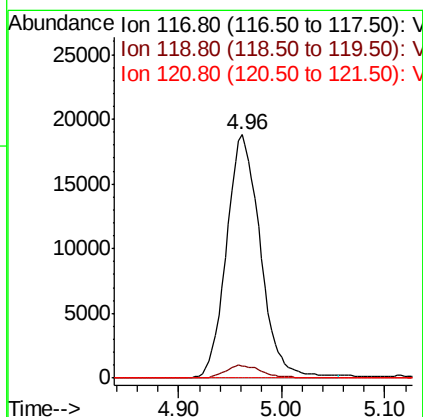
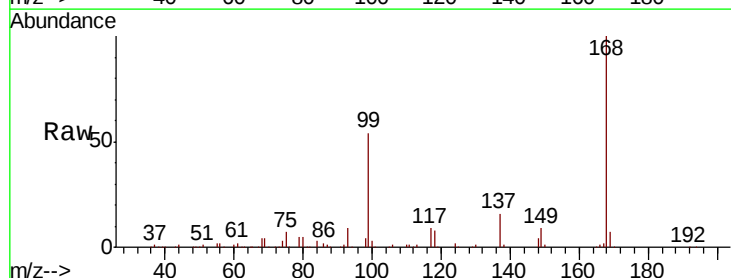
Instrument :
 MSVOA_U
 ClientSampleId :
 GW-1

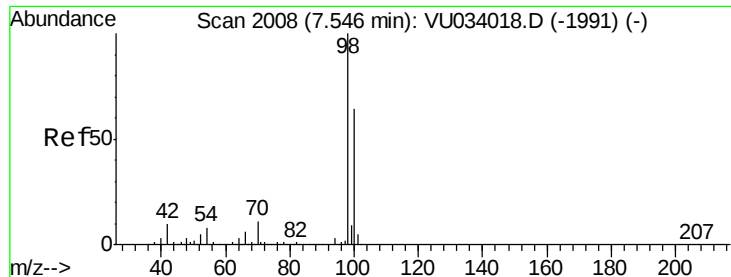
Tgt Ion: 75 Resp: 33974
 Ion Ratio Lower Upper
 75 100
 110 8.3 17.8 53.5#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.357 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034035.D
 Acq: 28 Aug 2019 20:01

Tgt Ion: 117 Resp: 43159
 Ion Ratio Lower Upper
 117 100
 119 5.0 77.0 115.4#
 121 0.0 23.9 35.9#

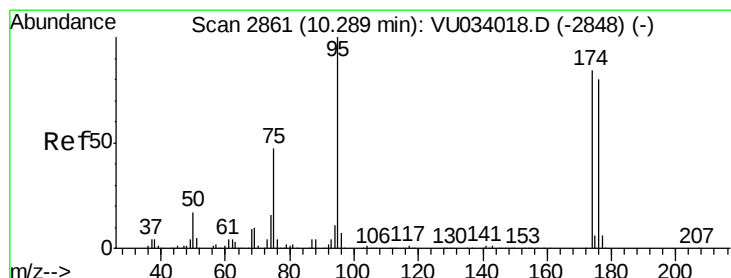
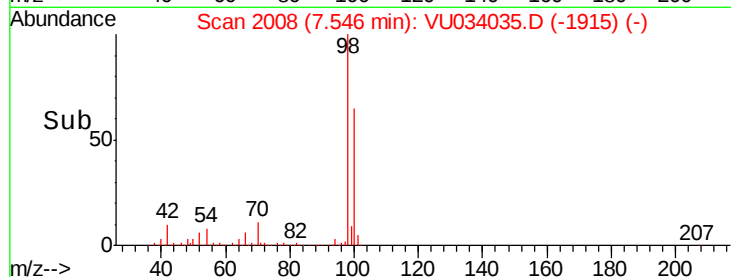
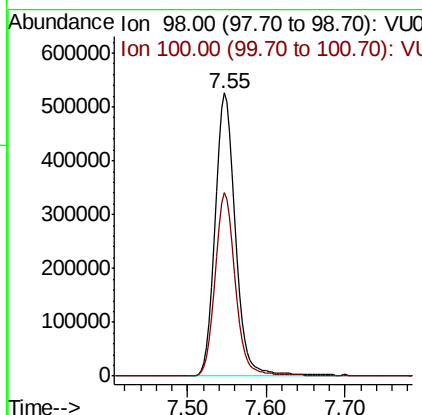
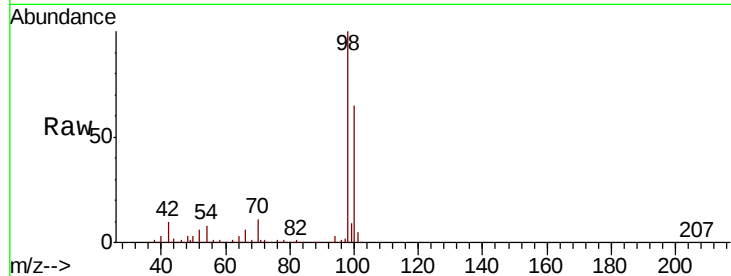




#50
Toluene-d8
Concen: 48.650 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034035.D
Acq: 28 Aug 2019 20:01

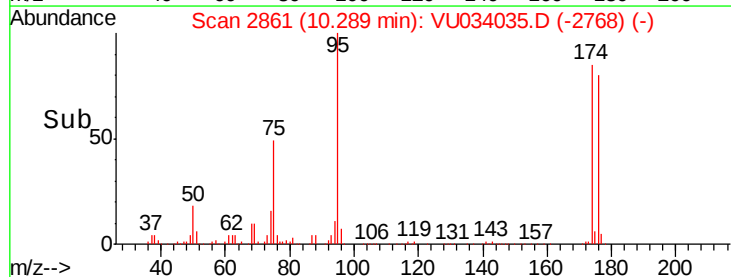
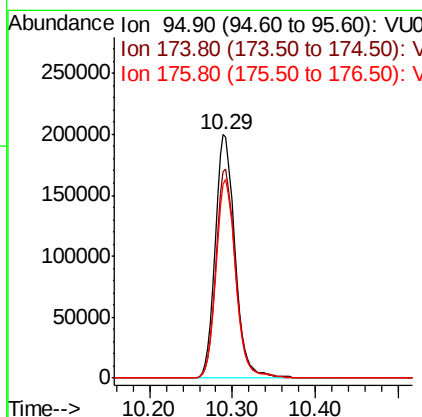
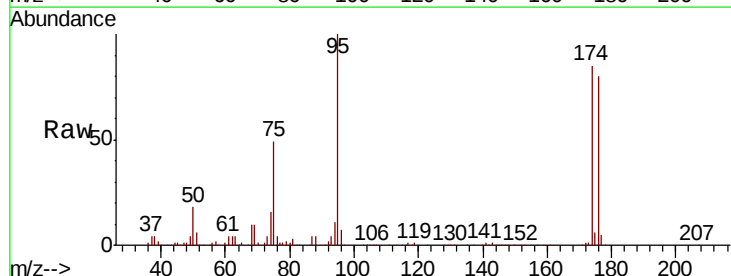
Instrument :
MSVOA_U
ClientSampleId :
GW-1

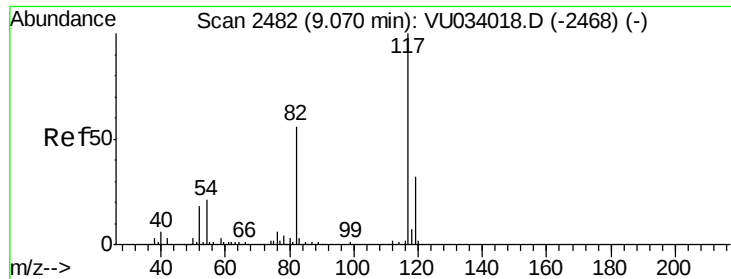
Tgt Ion: 98 Resp: 939562
Ion Ratio Lower Upper
98 100
100 64.2 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 43.926 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. 0.00 min
Lab File: VU034035.D
Acq: 28 Aug 2019 20:01

Tgt Ion: 95 Resp: 329993
Ion Ratio Lower Upper
95 100
174 85.0 0.0 168.8
176 80.6 0.0 161.8

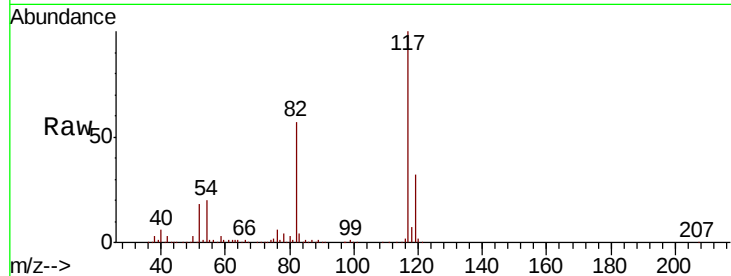




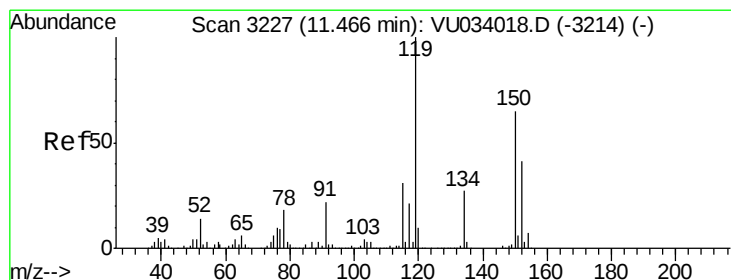
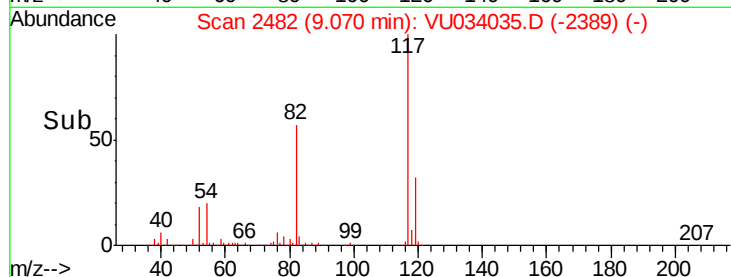
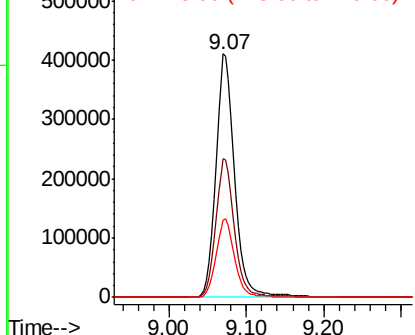
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034035.D
Acq: 28 Aug 2019 20:01

Instrument :
MSVOA_U
ClientSampled :
GW-1

Tgt Ion:117 Resp: 710261
Ion Ratio Lower Upper
117 100
82 56.8 45.1 67.7
119 32.0 25.4 38.0

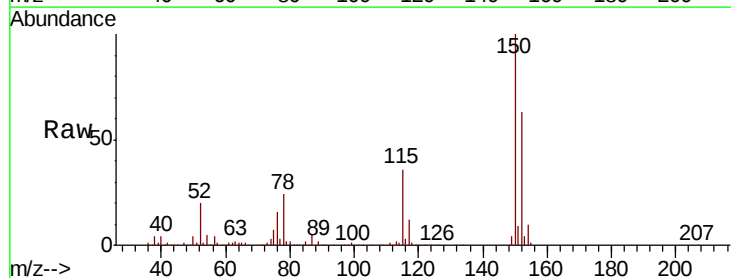


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

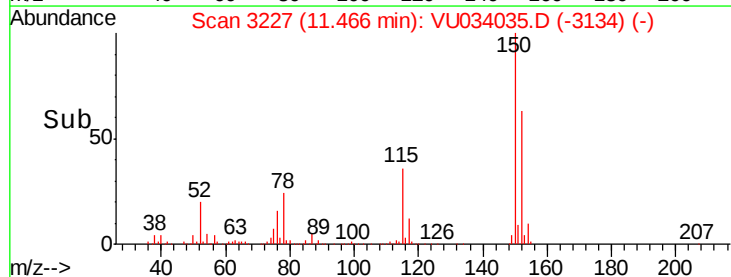
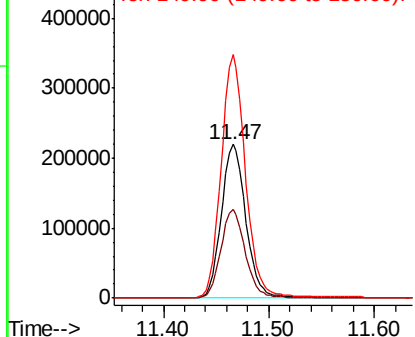


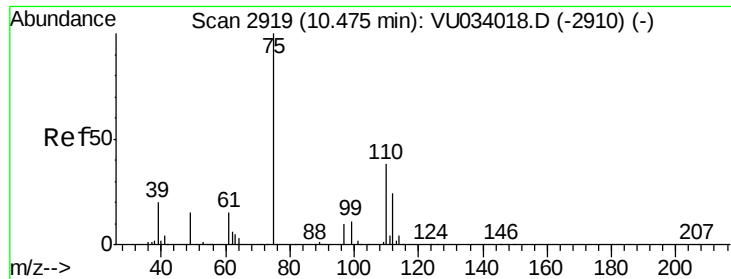
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.47 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VU034035.D
Acq: 28 Aug 2019 20:01

Tgt Ion:152 Resp: 355988
Ion Ratio Lower Upper
152 100
115 57.4 41.1 123.3
150 156.0 0.0 348.8



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

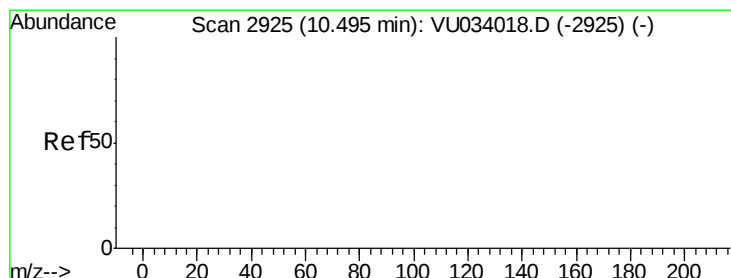
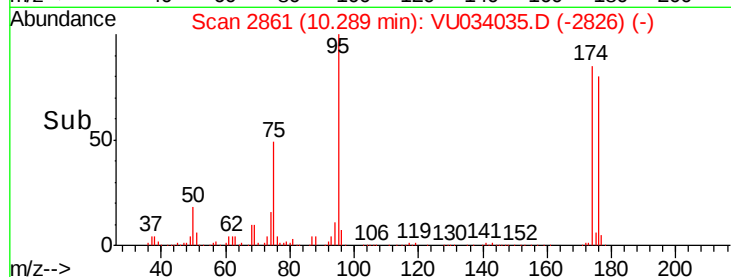
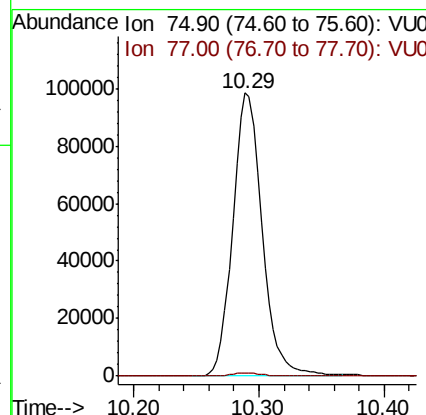
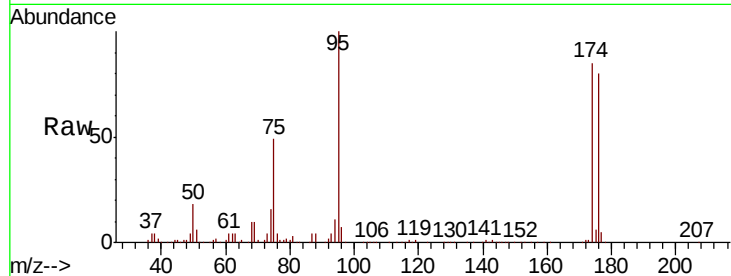




#76
 1,2,3-Trichloropropane
 Concen: 19.920 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. -0.19 min
 Lab File: VU034035.D
 Acq: 28 Aug 2019 20:01

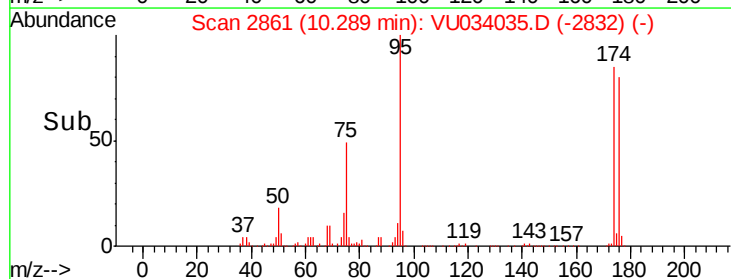
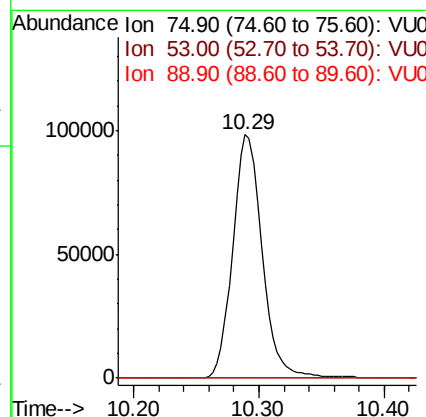
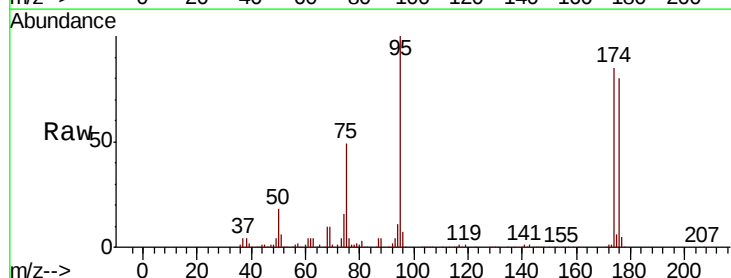
Instrument :
 MSVOA_U
 ClientSampled :
 GW-1

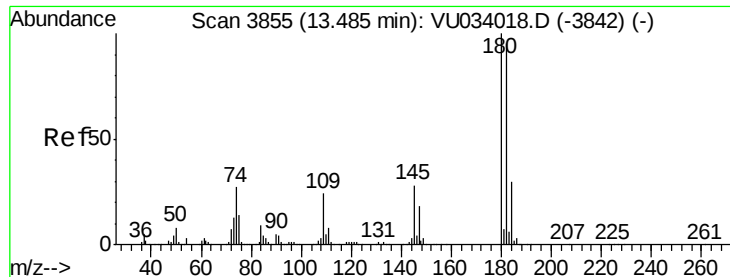
Tgt Ion: 75 Resp: 159824
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.1 60.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.075 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. -0.21 min
 Lab File: VU034035.D
 Acq: 28 Aug 2019 20:01

Tgt Ion: 75 Resp: 159824
 Ion Ratio Lower Upper
 75 100
 53 0.2 0.0 0.0#
 89 0.0 0.0 0.0

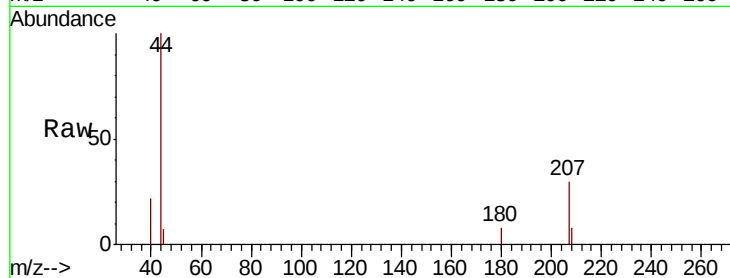




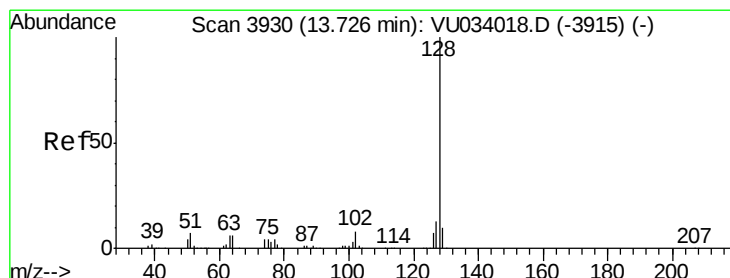
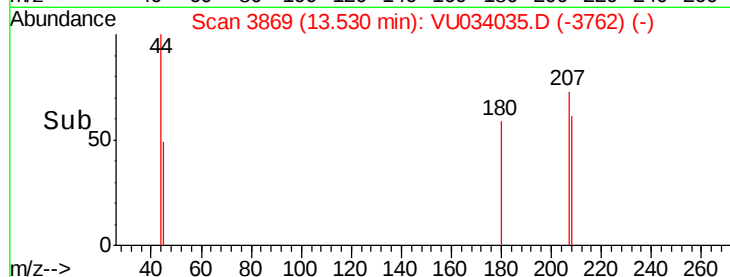
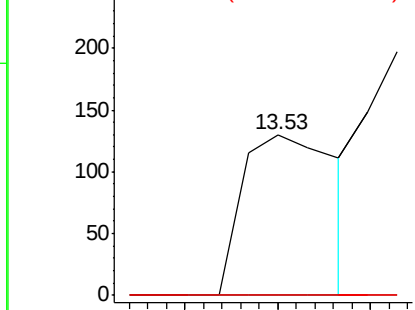
#93
 1,2,4-Trichlorobenzene
 Concen: 1.126 ug/l
 RT: 13.53 min Scan# 3869
 Delta R.T. 0.05 min
 Lab File: VU034035.D
 Acq: 28 Aug 2019 20:01

Instrument :
 MSVOA_U
 ClientSampleId :
 GW-1

Tgt Ion:180 Resp: 92
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.4 142.2#
 145 0.0 14.1 42.3#

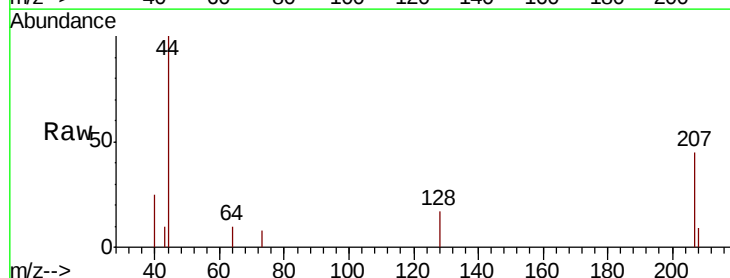


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 1.805 ug/l
 RT: 13.78 min Scan# 3947
 Delta R.T. 0.05 min
 Lab File: VU034035.D
 Acq: 28 Aug 2019 20:01

Tgt Ion:128 Resp: 338
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.2 15.4#
 129 0.0 8.4 12.6#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

