

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU083119\
 Data File : VU034091.D
 Acq On : 30 Aug 2019 12:25
 Operator : JC/SP
 Sample : K4613-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TP-11-GW

Quant Time: Aug 31 03:37:52 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	475379	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	755896	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	712534	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	356052	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	291453	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	
35) Dibromofluoromethane	4.86	113	243498	46.44	ug/l	0.00
Spiked Amount			Recovery	=	92.88%	
50) Toluene-d8	7.55	98	949557	48.37	ug/l	0.00
Spiked Amount			Recovery	=	96.74%	
62) 4-Bromofluorobenzene	10.29	95	332422	43.53	ug/l	0.00
Spiked Amount			Recovery	=	87.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1326	Below Cal		91
5) Bromomethane	1.63	94	1012	Below Cal	#	79
11) Tert butyl alcohol	2.81	59	1232	0.877	ug/l #	73
13) Acrolein	2.19	56	461	0.780	ug/l #	83
16) Acetone	2.31	43	10151	3.266	ug/l	95
31) Cyclohexane	4.96	56	9065	0.997	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	34308	4.798	ug/l #	49
38) Carbon Tetrachloride	4.96	117	42054	6.094	ug/l #	16
49) 1,4-Dioxane	6.61	88	165	1.120	ug/l #	45
51) 4-Methyl-2-Pentanone	7.45	43	3170	0.377	ug/l	89
56) Ethyl methacrylate	8.01	69	164	0.989	ug/l #	27
59) 2-Hexanone	8.38	43	3876	0.610	ug/l	80
76) 1,2,3-Trichloropropane	10.29	75	160122	19.953	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.29	75	160122	67.188	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.50	180	2910	1.481	ug/l	93
94) Hexachlorobutadiene	13.68	225	1711	0.401	ug/l	92
95) Naphthalene	13.74	128	21108	2.706	ug/l	97
96) 1,2,3-Trichlorobenzene	13.98	180	3166	0.453	ug/l	85

(#) = 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

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Instrument :

MSVOA_U

ClientSampleId :

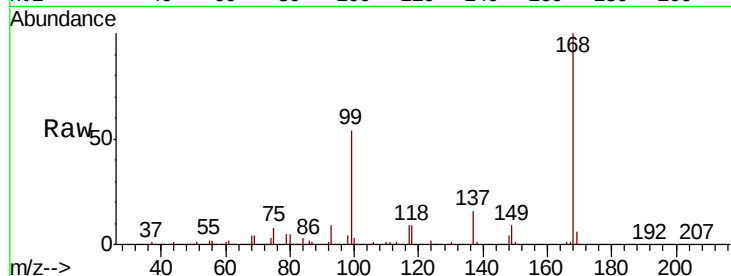
TP-11-GW

Tgt Ion:168 Resp: 475379

Ion Ratio Lower Upper

168 100

99 54.0 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

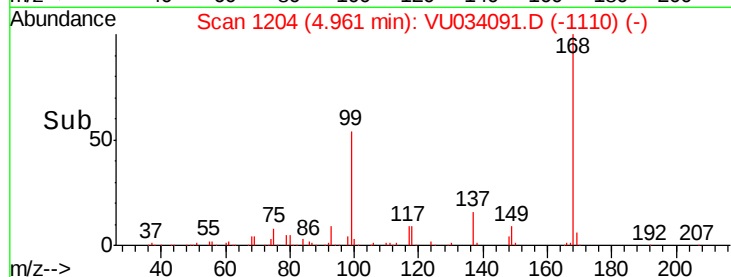
100000

50000

0

4.90 4.96 5.00 5.10

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034091.D

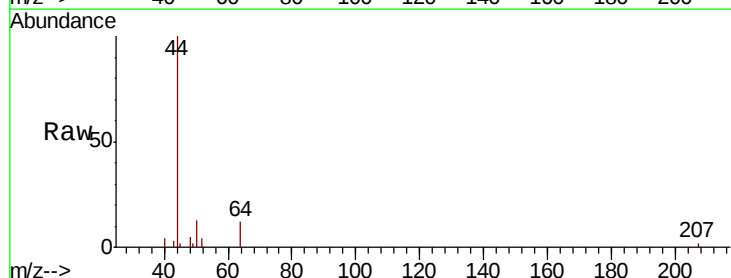
Acq: 30 Aug 2019 12:25

Tgt Ion: 50 Resp: 1326

Ion Ratio Lower Upper

50 100

52 27.8 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

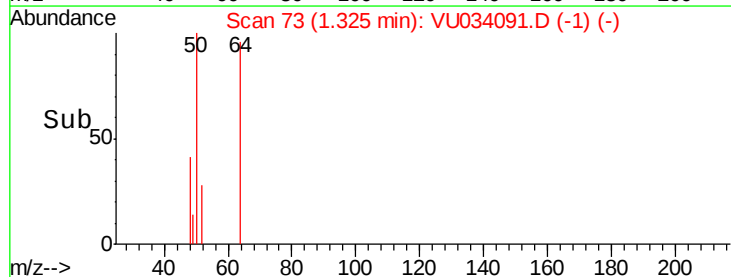
1000

500

0

1.28 1.30 1.32 1.34 1.36

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 168

Delta R.T. 0.03 min

Lab File: VU034091.D

Acq: 30 Aug 2019 12:25

Instrument :

MSVOA_U

ClientSampleId :

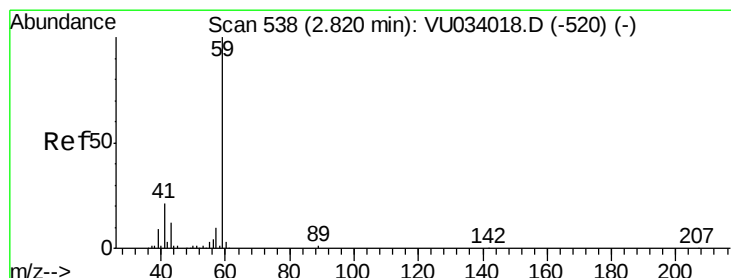
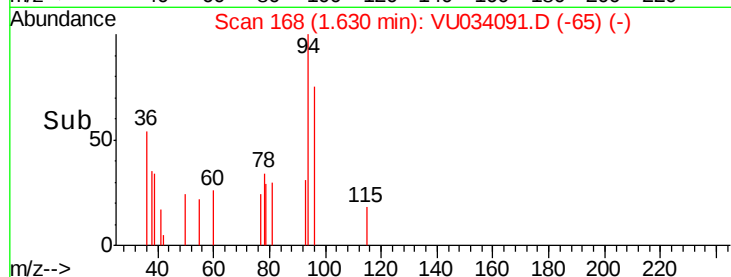
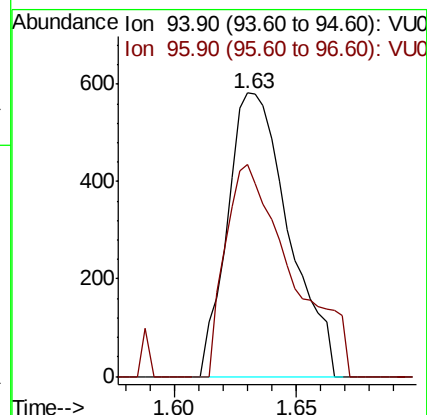
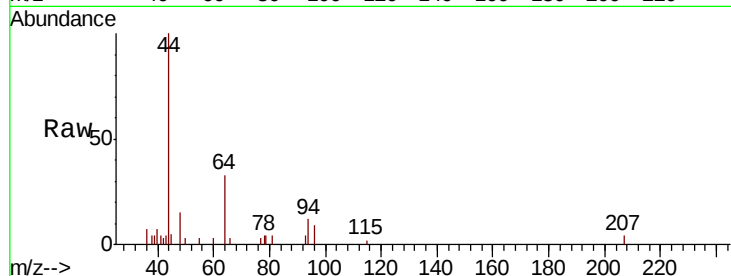
TP-11-GW

Tgt Ion: 94 Resp: 1012

Ion Ratio Lower Upper

94 100

96 74.7 76.3 114.5#



#11

Tert butyl alcohol

Concen: 0.877 ug/l

RT: 2.81 min Scan# 536

Delta R.T. -0.01 min

Lab File: VU034091.D

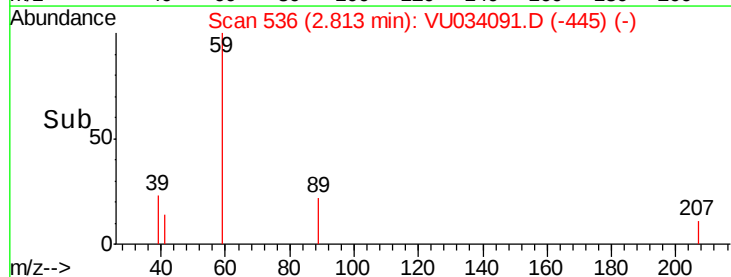
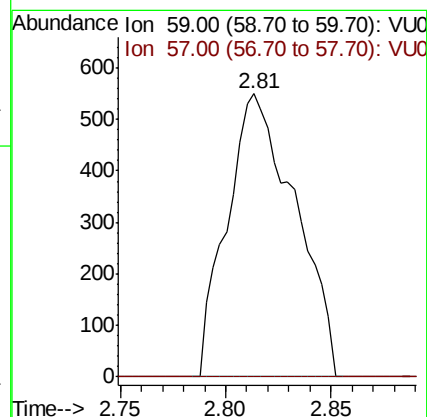
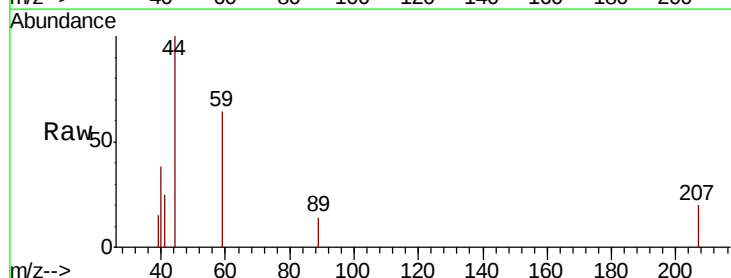
Acq: 30 Aug 2019 12:25

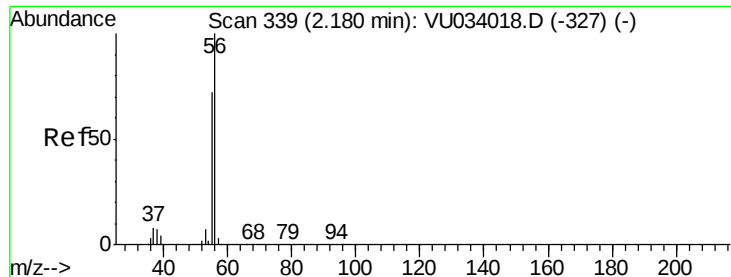
Tgt Ion: 59 Resp: 1232

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#





#13

Acrolein

Concen: 0.780 ug/l

RT: 2.19 min Scan# 341

Delta R.T. 0.01 min

Lab File: VU034091.D

Acq: 30 Aug 2019 12:25

Instrument :

MSVOA_U

ClientSampleId :

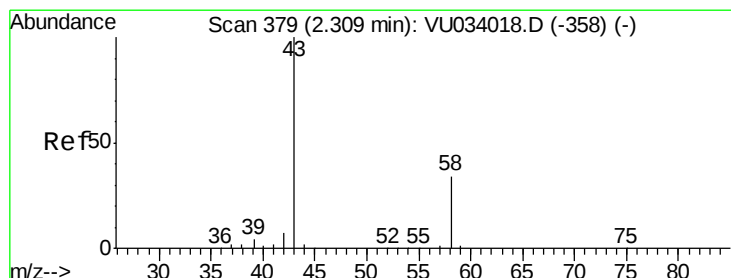
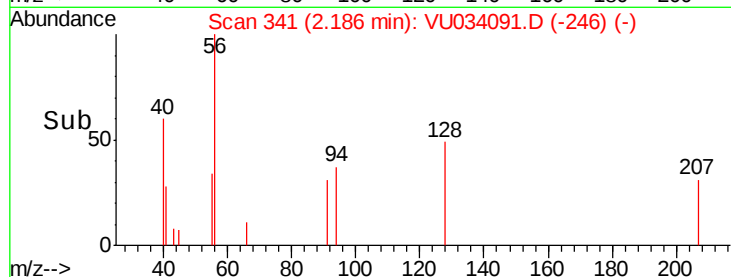
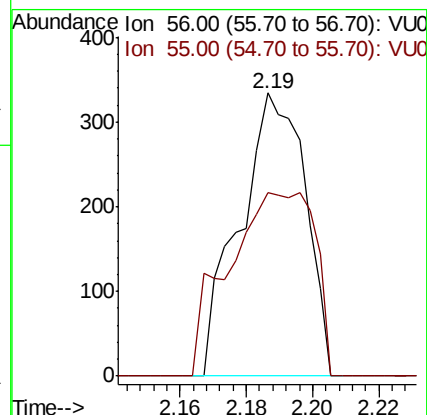
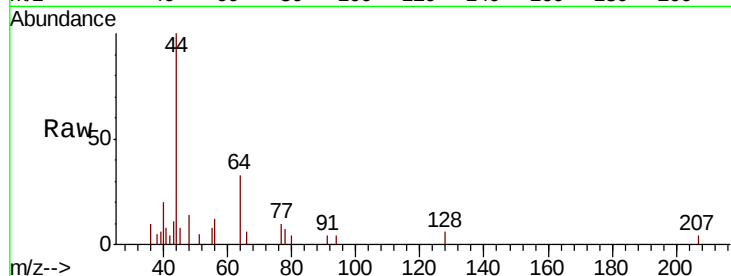
TP-11-GW

Tgt Ion: 56 Resp: 461

Ion Ratio Lower Upper

56 100

55 85.7 57.1 85.7#



#16

Acetone

Concen: 3.266 ug/l

RT: 2.31 min Scan# 381

Delta R.T. 0.01 min

Lab File: VU034091.D

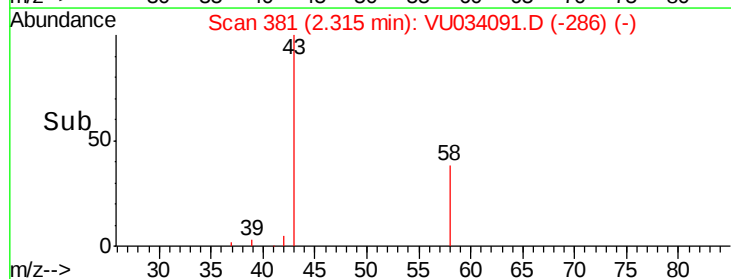
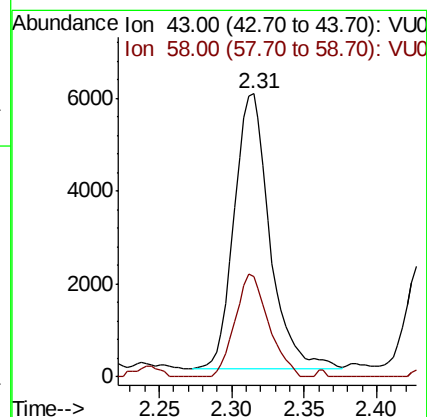
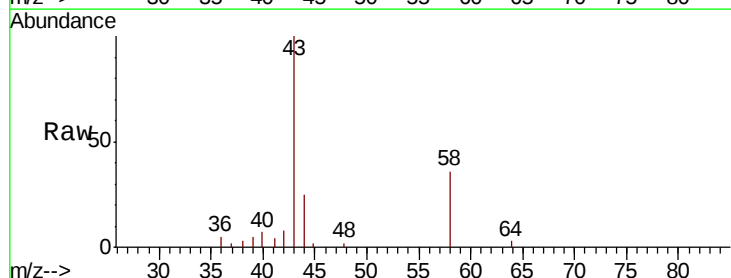
Acq: 30 Aug 2019 12:25

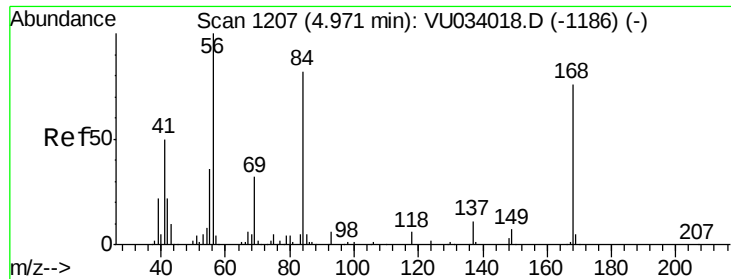
Tgt Ion: 43 Resp: 10151

Ion Ratio Lower Upper

43 100

58 36.6 26.8 40.2

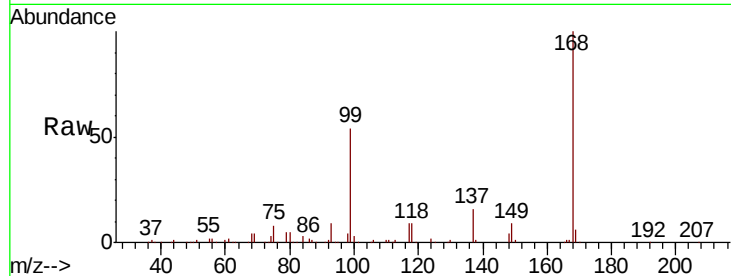




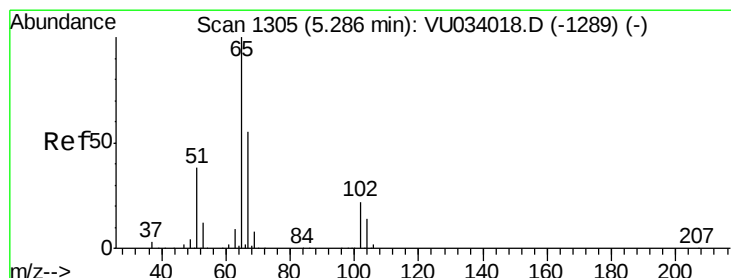
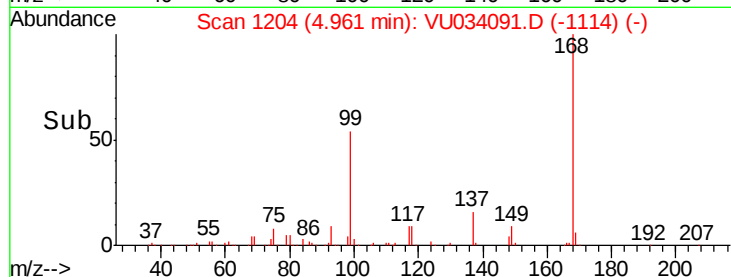
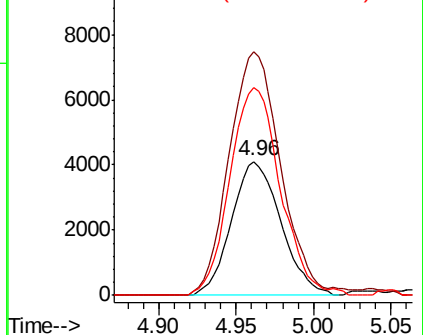
#31
Cyclohexane
Concen: 0.997 ug/l
RT: 4.96 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VU034091.D
Acq: 30 Aug 2019 12:25

Instrument :
MSVOA_U
ClientSampleId :
TP-11-GW

Tgt Ion: 56 Resp: 9065
Ion Ratio Lower Upper
56 100
69 182.0 25.4 38.0#
84 155.5 65.8 98.8#

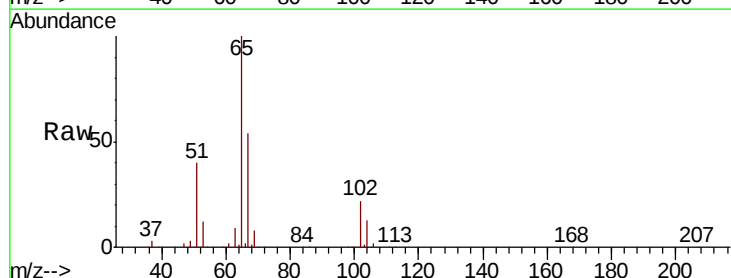


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

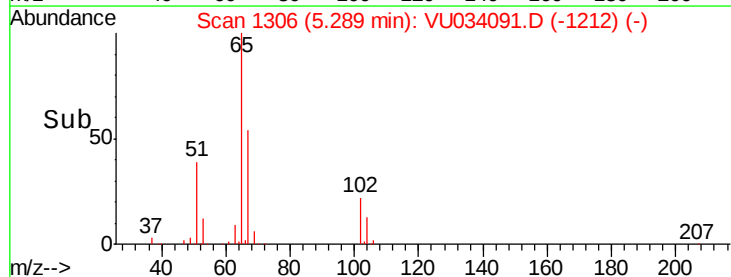
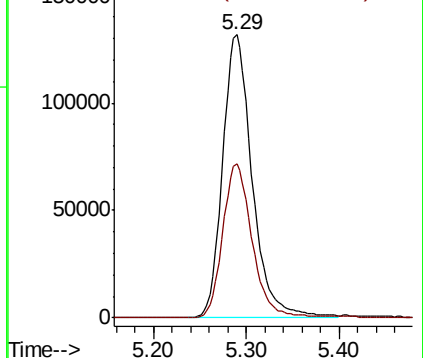


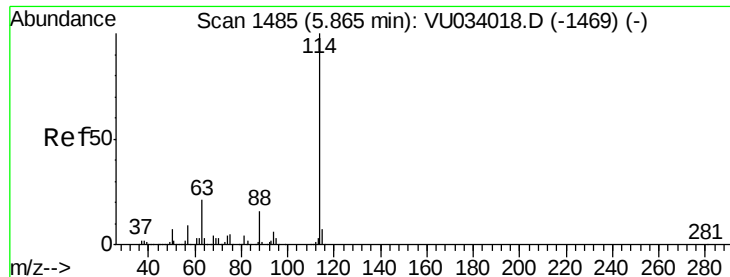
#33
1,2-Dichloroethane-d4
Concen: 47.848 ug/l
RT: 5.29 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VU034091.D
Acq: 30 Aug 2019 12:25

Tgt Ion: 65 Resp: 291453
Ion Ratio Lower Upper
65 100
67 54.1 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

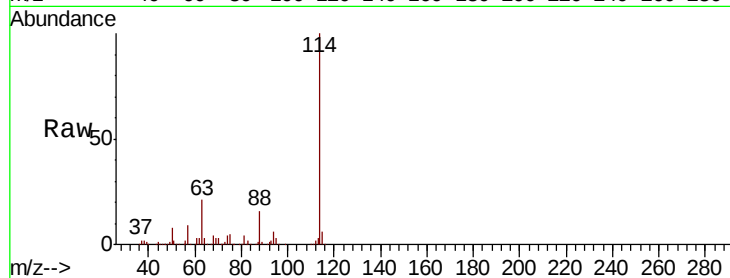




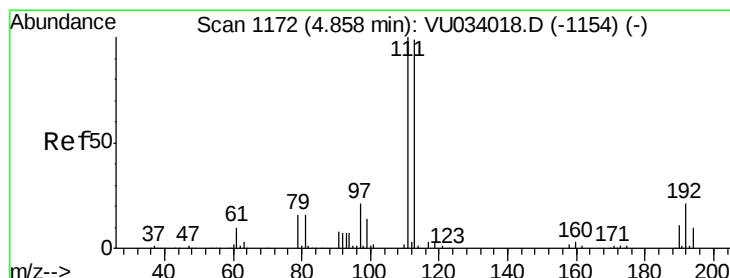
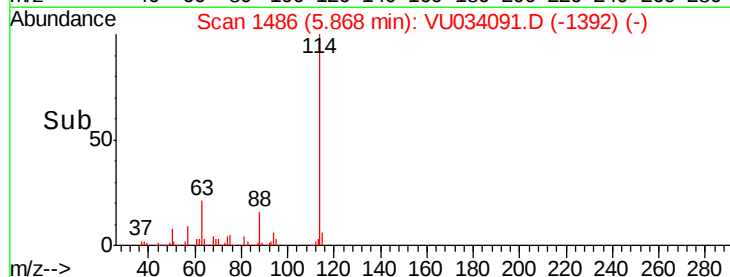
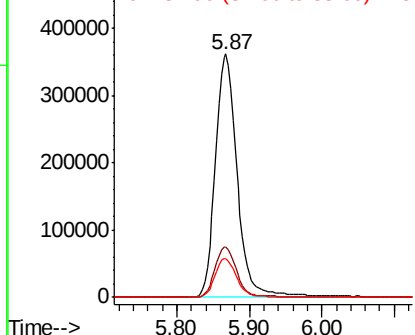
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034091.D
 Acq: 30 Aug 2019 12:25

Instrument :
 MSVOA_U
 ClientSampleId :
 TP-11-GW

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	42.0
88	16.1	0.0	32.0

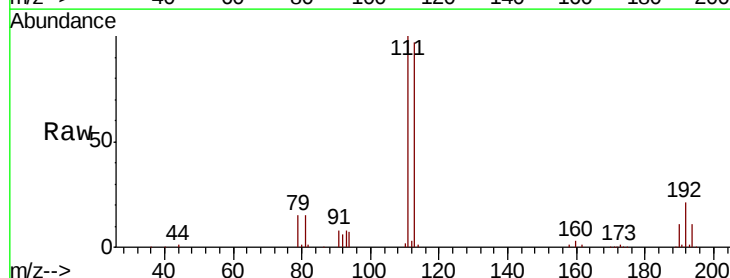


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

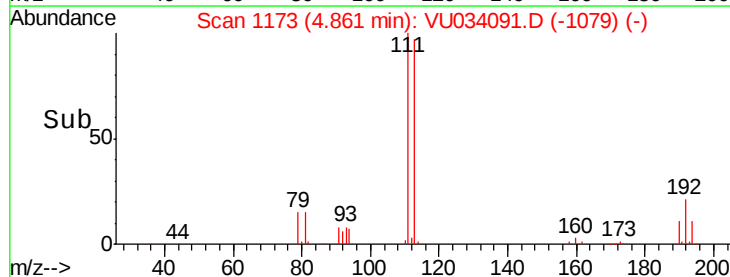
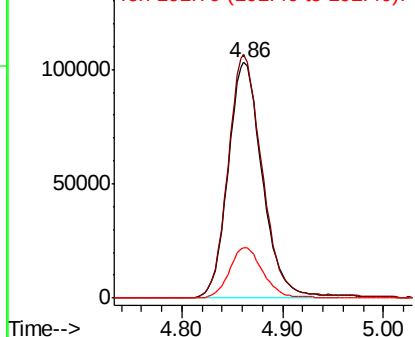


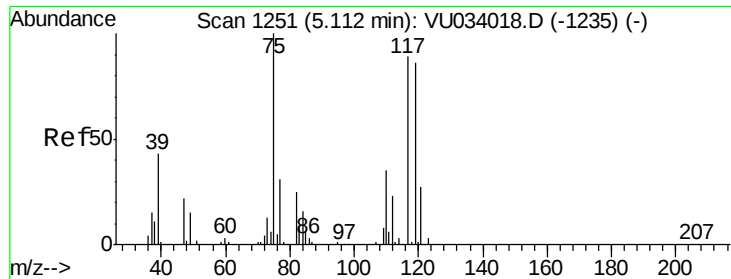
#35
 Dibromofluoromethane
 Concen: 46.444 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034091.D
 Acq: 30 Aug 2019 12:25

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	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

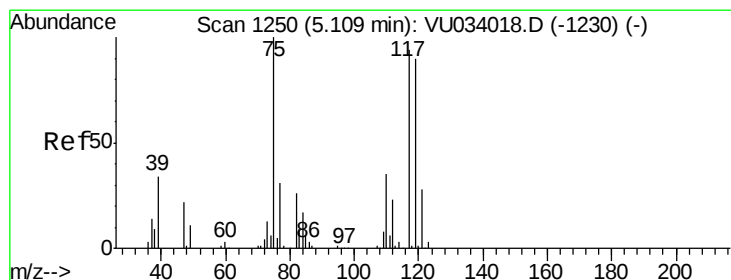
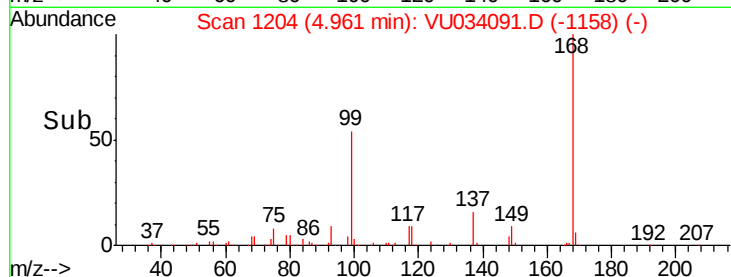
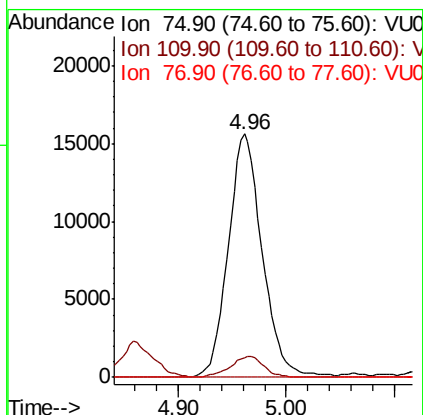
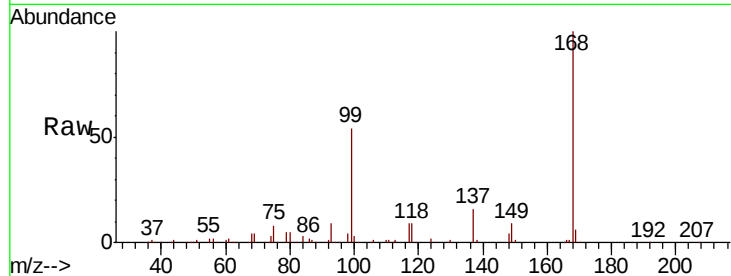




#36
 1,1-Dichloropropene
 Concen: 4.798 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034091.D
 Acq: 30 Aug 2019 12:25

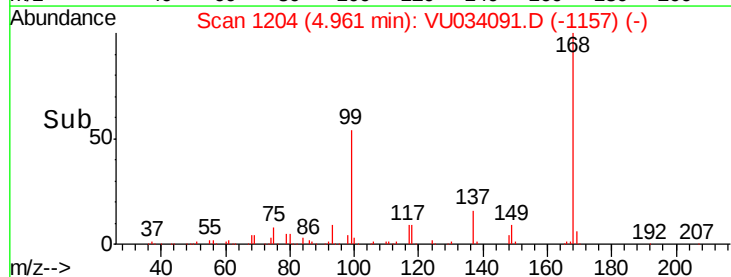
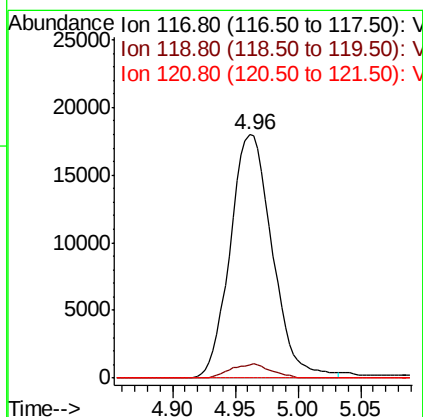
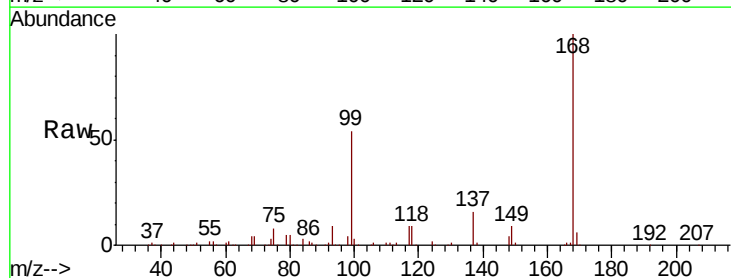
Instrument :
 MSVOA_U
 ClientSampleId :
 TP-11-GW

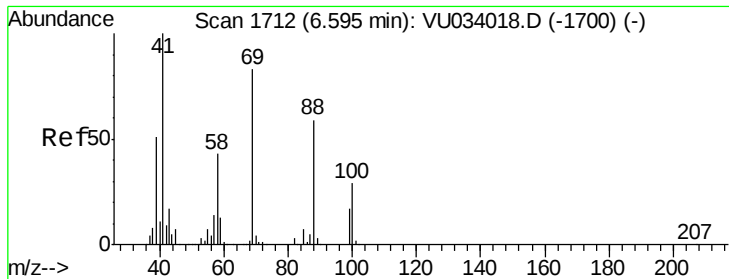
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	17.8	53.5#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.094 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034091.D
 Acq: 30 Aug 2019 12:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	77.0	115.4#
121	0.0	23.9	35.9#

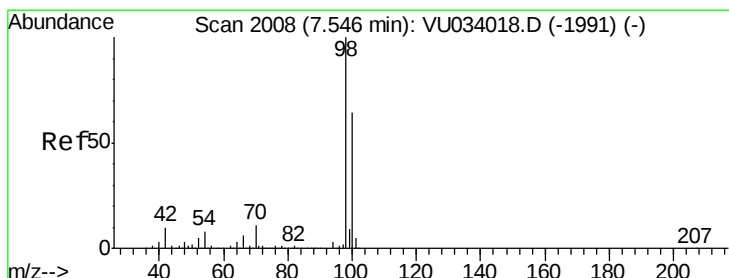
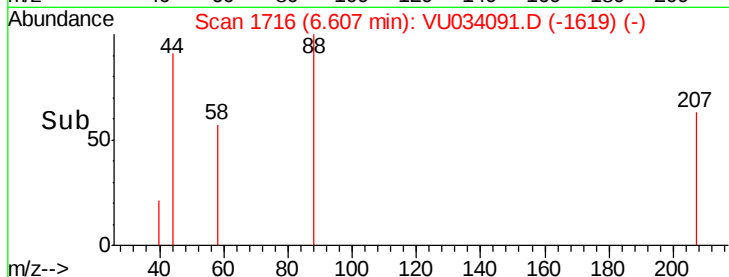
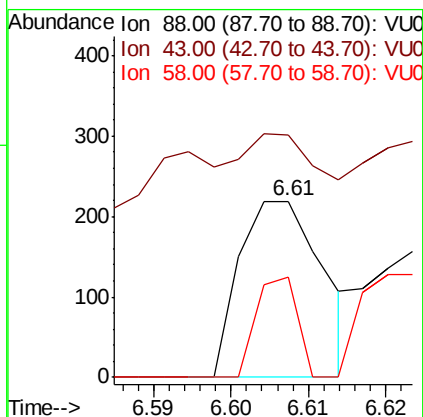
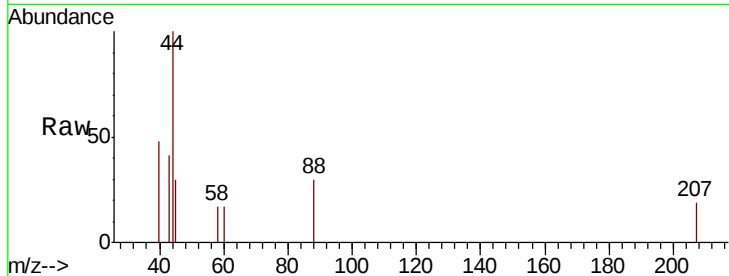




#49
1,4-Dioxane
Concen: 1.120 ug/l
RT: 6.61 min Scan# 1716
Delta R.T. 0.01 min
Lab File: VU034091.D
Acq: 30 Aug 2019 12:25

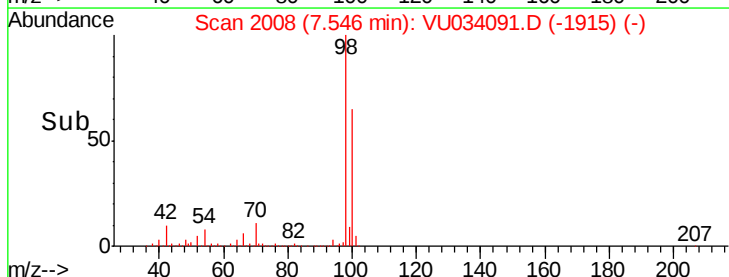
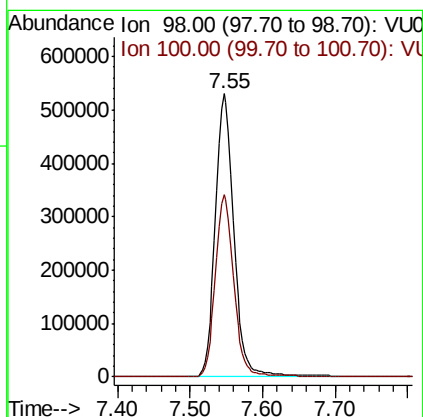
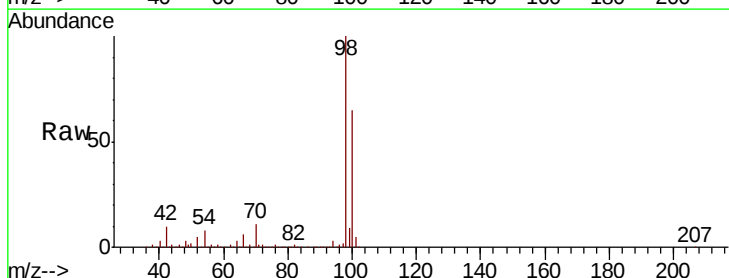
Instrument :
MSVOA_U
ClientSampleId :
TP-11-GW

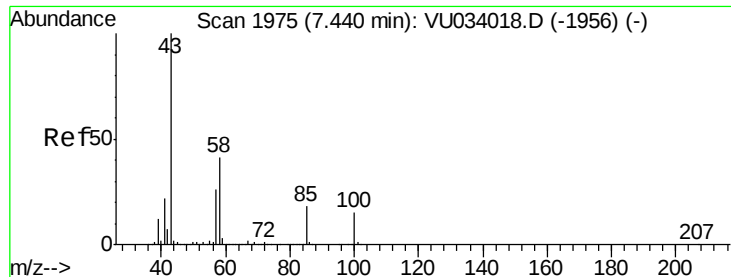
Tgt Ion: 88 Resp: 165
Ion Ratio Lower Upper
88 100
43 0.0 24.8 37.2#
58 27.9 59.3 88.9#



#50
Toluene-d8
Concen: 48.370 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VU034091.D
Acq: 30 Aug 2019 12:25

Tgt Ion: 98 Resp: 949557
Ion Ratio Lower Upper
98 100
100 64.4 50.3 75.5





#51

4-Methyl-2-Pentanone

Concen: 0.377 ug/l

RT: 7.45 min Scan# 1978

Delta R.T. 0.01 min

Lab File: VU034091.D

Acq: 30 Aug 2019 12:25

Instrument :

MSVOA_U

ClientSampleId :

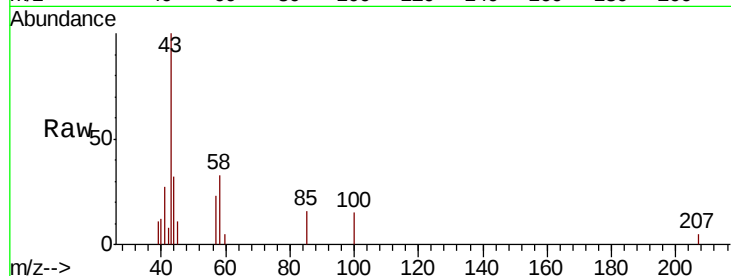
TP-11-GW

Tgt Ion: 43 Resp: 3170

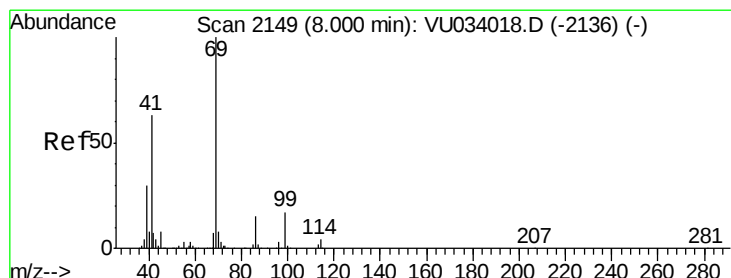
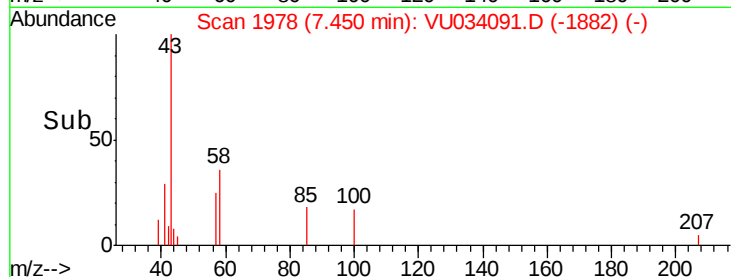
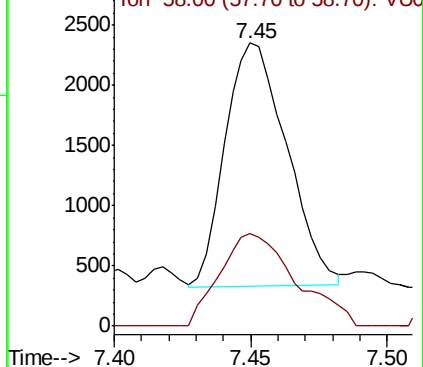
Ion Ratio Lower Upper

43 100

58 47.0 32.2 48.4



Abundance Ion 43.00 (42.70 to 43.70): VU034091.D (-1978) (-)



#56

Ethyl methacrylate

Concen: 0.989 ug/l

RT: 8.01 min Scan# 2153

Delta R.T. 0.01 min

Lab File: VU034091.D

Acq: 30 Aug 2019 12:25

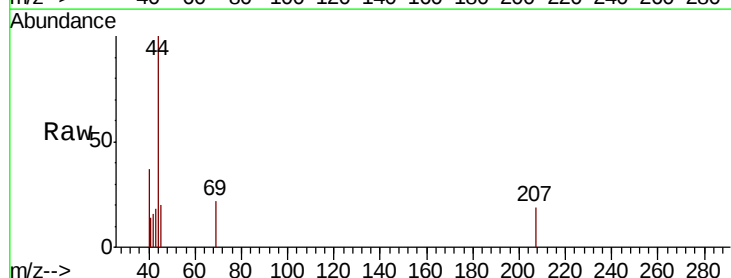
Tgt Ion: 69 Resp: 164

Ion Ratio Lower Upper

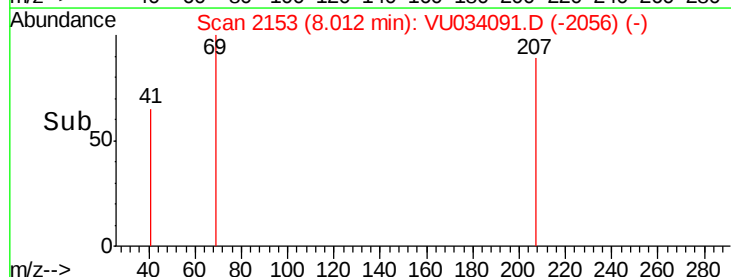
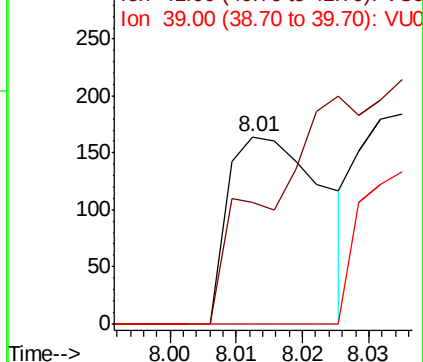
69 100

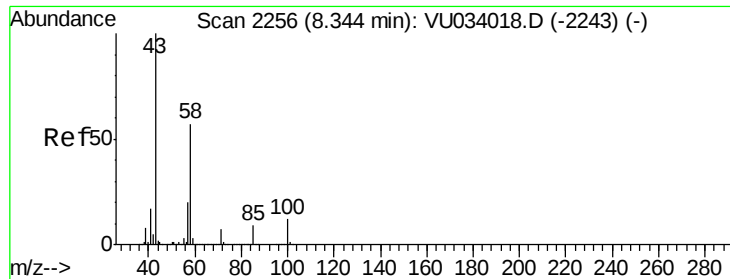
41 0.0 50.7 76.1#

39 0.0 24.2 36.2#



Abundance Ion 69.00 (68.70 to 69.70): VU034091.D (-2153) (-)

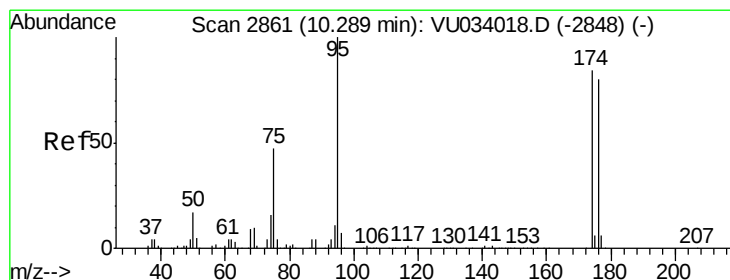
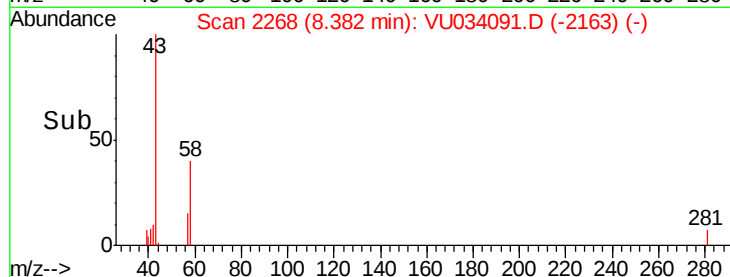
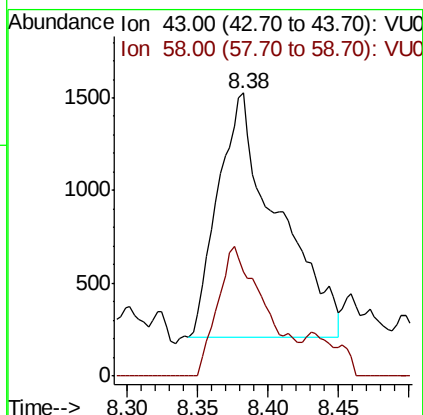
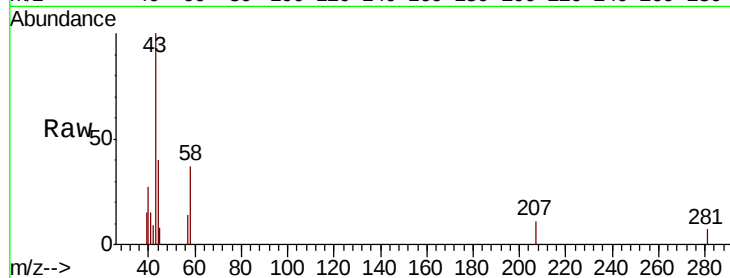




#59
2-Hexanone
Concen: 0.610 ug/l
RT: 8.38 min Scan# 2268
Delta R.T. 0.04 min
Lab File: VU034091.D
Acq: 30 Aug 2019 12:25

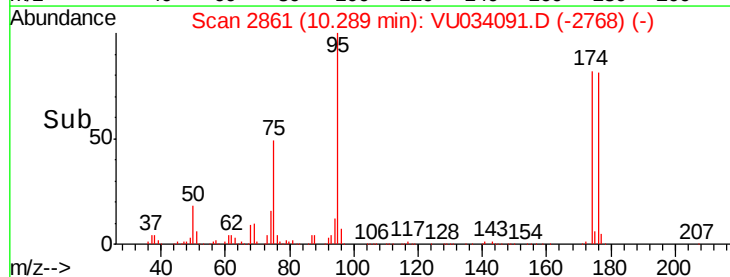
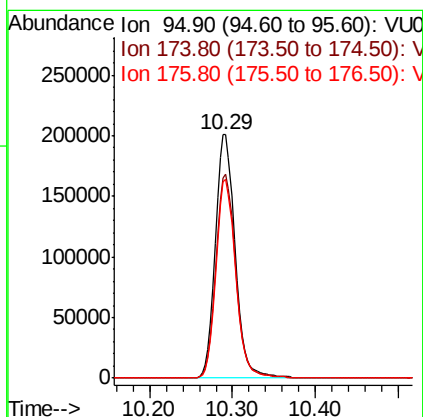
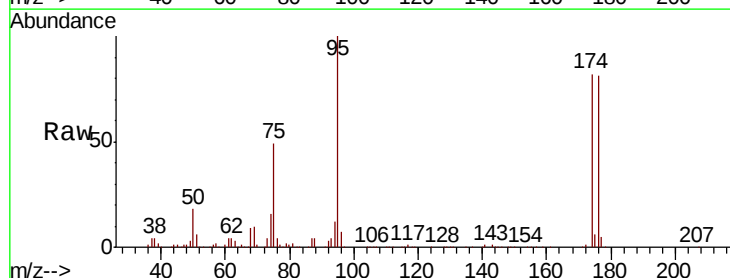
Instrument :
MSVOA_U
ClientSampleId :
TP-11-GW

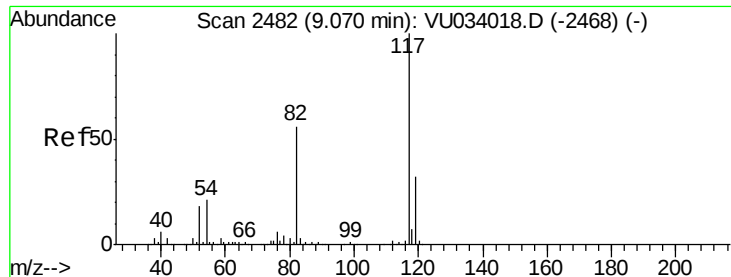
Tgt Ion: 43 Resp: 3876
Ion Ratio Lower Upper
43 100
58 42.2 28.4 85.3



#62
4-Bromofluorobenzene
Concen: 43.532 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. -0.00 min
Lab File: VU034091.D
Acq: 30 Aug 2019 12:25

Tgt Ion: 95 Resp: 332422
Ion Ratio Lower Upper
95 100
174 84.3 0.0 168.8
176 80.9 0.0 161.8

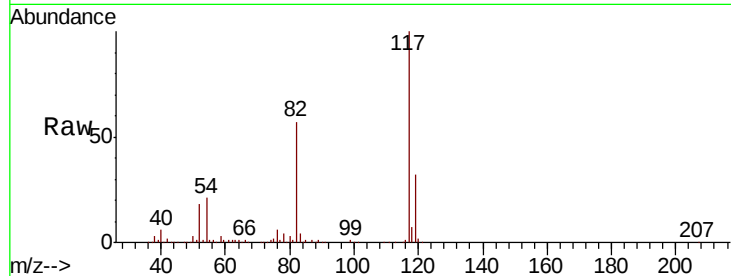




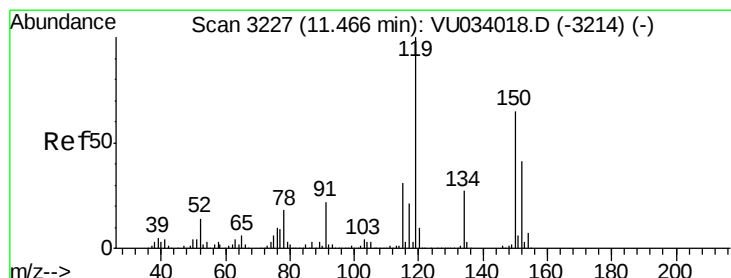
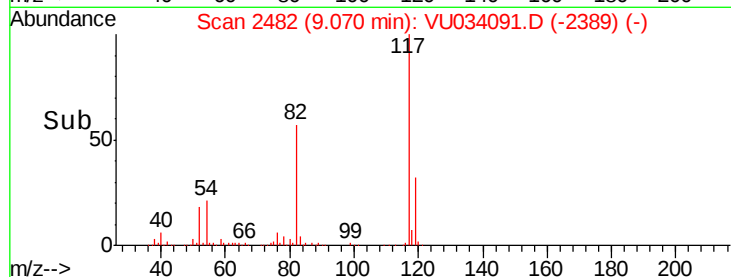
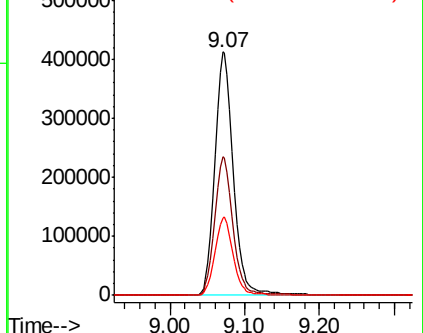
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU034091.D
Acq: 30 Aug 2019 12:25

Instrument :
MSVOA_U
ClientSampleId :
TP-11-GW

Tgt Ion:117 Resp: 712534
Ion Ratio Lower Upper
117 100
82 56.9 45.1 67.7
119 31.9 25.4 38.0

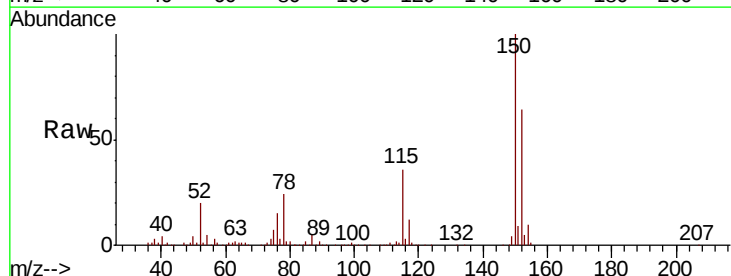


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

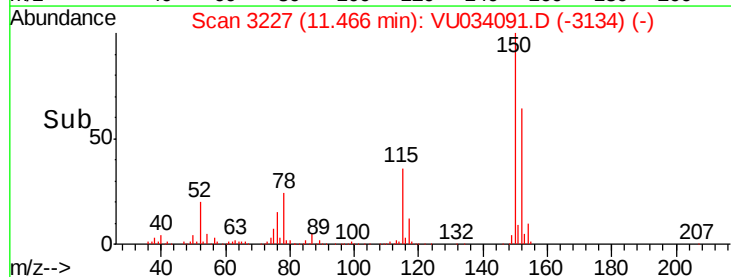
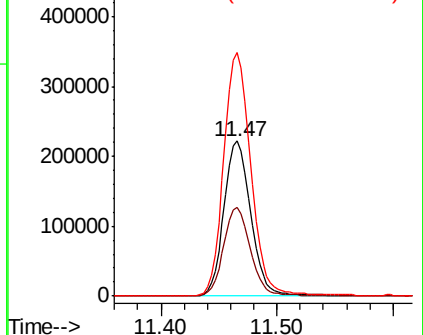


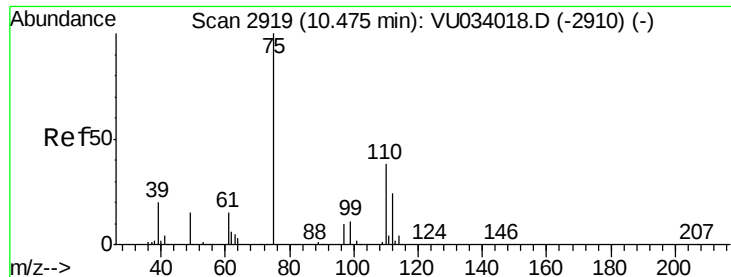
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.47 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VU034091.D
Acq: 30 Aug 2019 12:25

Tgt Ion:152 Resp: 356052
Ion Ratio Lower Upper
152 100
115 57.3 41.1 123.3
150 159.5 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: 19.953 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.19 min

Lab File: VU034091.D

Acq: 30 Aug 2019 12:25

Instrument :

MSVOA_U

ClientSampleId :

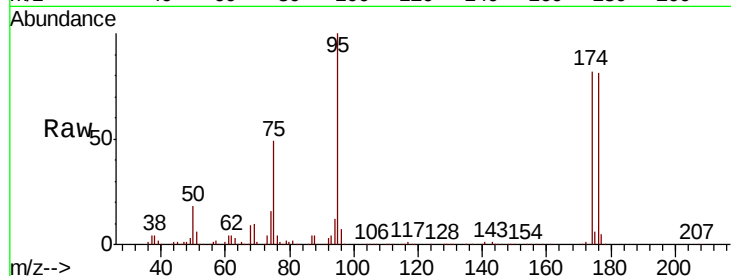
TP-11-GW

Tgt Ion: 75 Resp: 160122

Ion Ratio Lower Upper

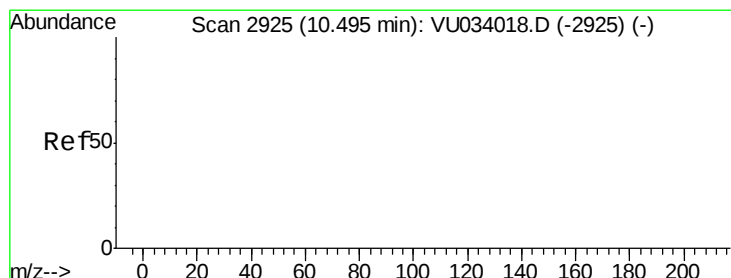
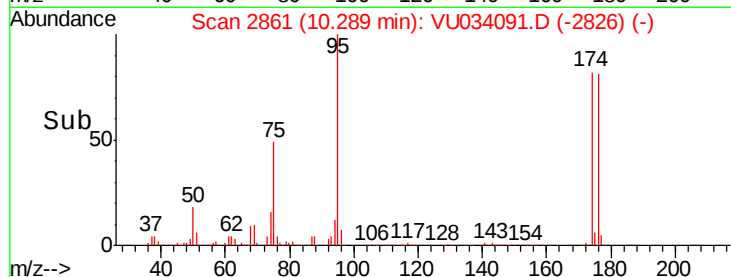
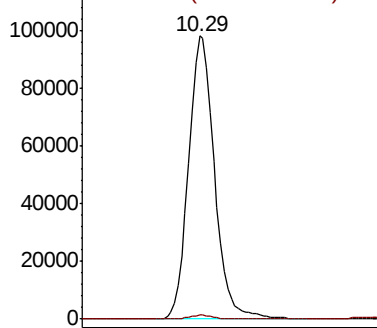
75 100

77 1.3 20.1 60.2#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0



#81

trans-1,4-Dichloro-2-butene

Concen: 67.188 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.21 min

Lab File: VU034091.D

Acq: 30 Aug 2019 12:25

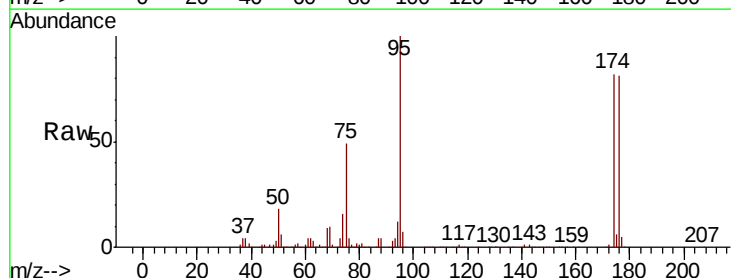
Tgt Ion: 75 Resp: 160122

Ion Ratio Lower Upper

75 100

53 0.1 0.0 0.0#

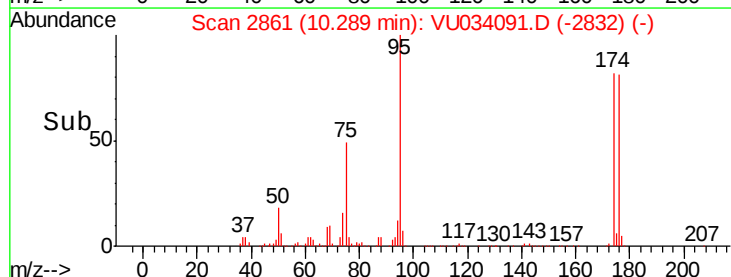
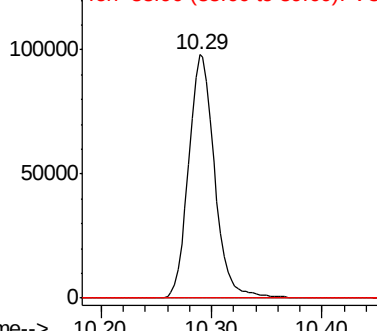
89 0.0 0.0 0.0

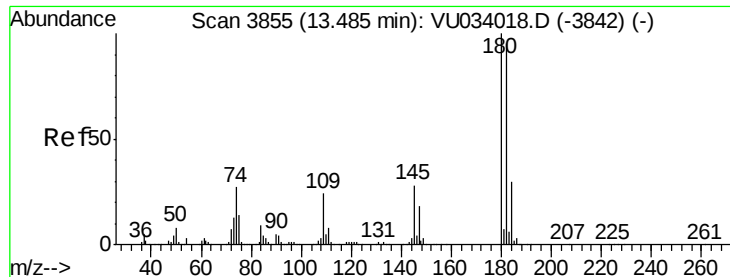


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

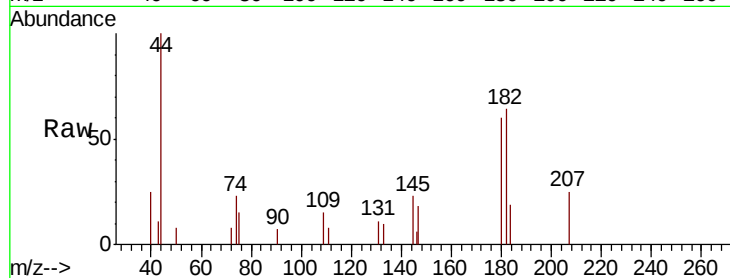




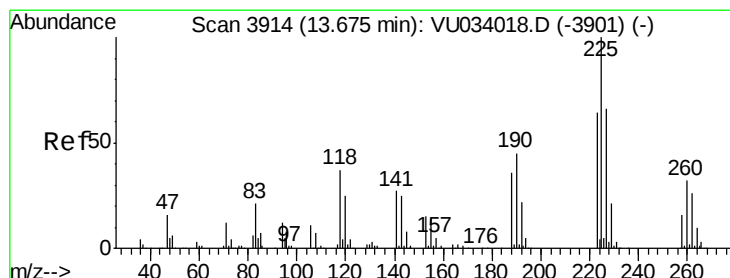
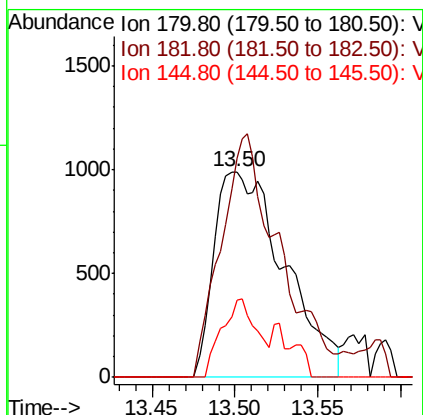
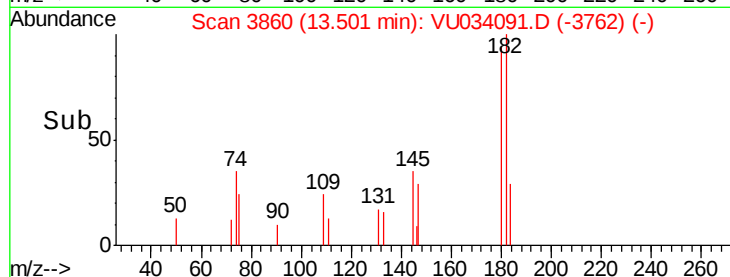
#93
 1,2,4-Trichlorobenzene
 Concen: 1.481 ug/l
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.02 min
 Lab File: VU034091.D
 Acq: 30 Aug 2019 12:25

Instrument :
 MSVOA_U
 ClientSampleId :
 TP-11-GW

Tgt Ion:180 Resp: 2910
 Ion Ratio Lower Upper
 180 100
 182 98.6 47.4 142.2
 145 19.3 14.1 42.3

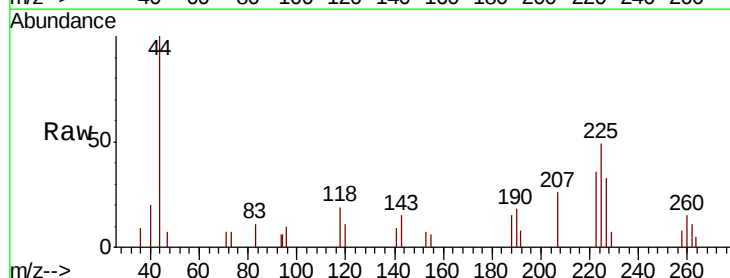


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

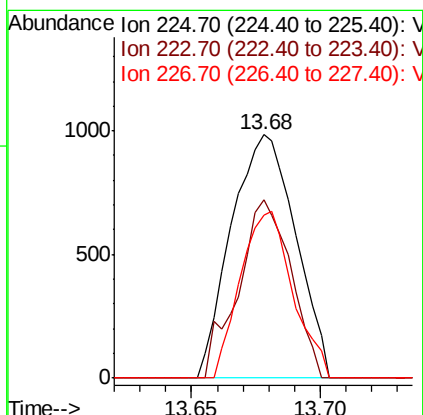
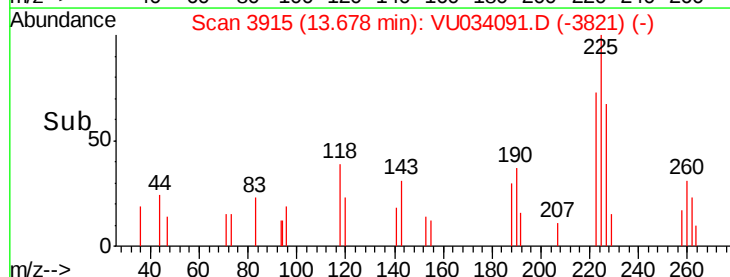


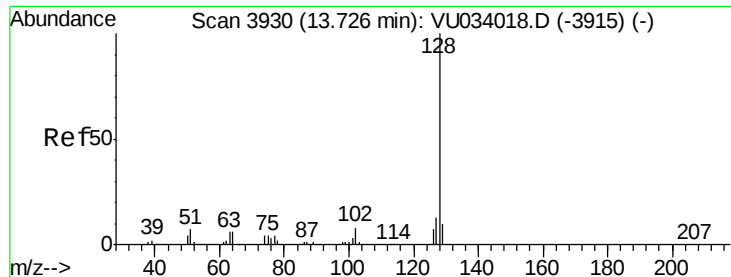
#94
 Hexachlorobutadiene
 Concen: 0.401 ug/l
 RT: 13.68 min Scan# 3915
 Delta R.T. 0.00 min
 Lab File: VU034091.D
 Acq: 30 Aug 2019 12:25

Tgt Ion:225 Resp: 1711
 Ion Ratio Lower Upper
 225 100
 223 60.1 31.8 95.3
 227 55.7 32.6 97.8



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

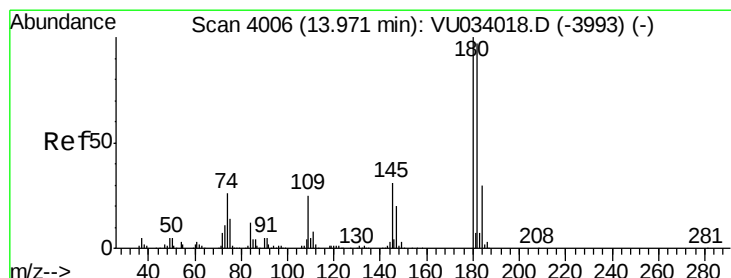
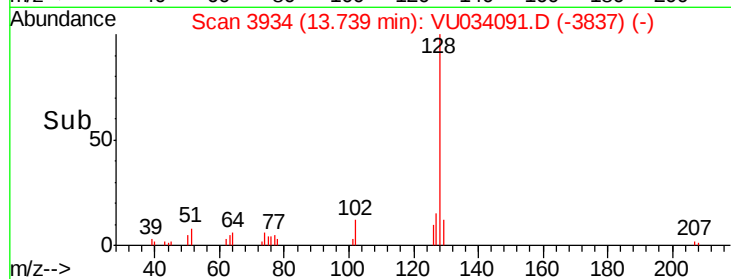
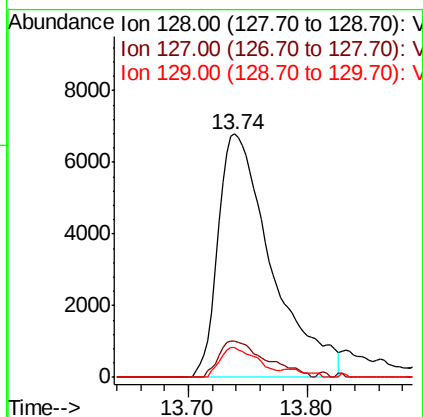
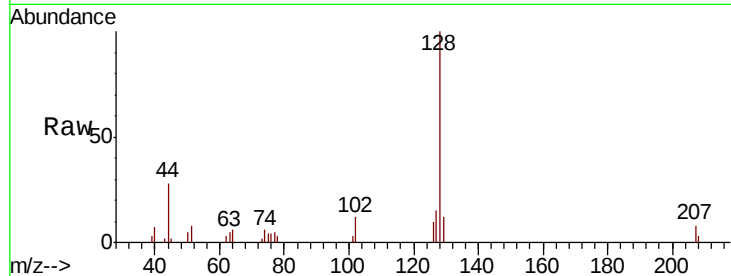




#95
Naphthalene
Concen: 2.706 ug/l
RT: 13.74 min Scan# 3934
Delta R.T. 0.01 min
Lab File: VU034091.D
Acq: 30 Aug 2019 12:25

Instrument :
MSVOA_U
ClientSampleId :
TP-11-GW

Tgt Ion:128 Resp: 21108
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.4
129 8.7 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 0.453 ug/l
RT: 13.98 min Scan# 4008
Delta R.T. 0.01 min
Lab File: VU034091.D
Acq: 30 Aug 2019 12:25

Tgt Ion:180 Resp: 3166
Ion Ratio Lower Upper
180 100
182 111.1 48.2 144.6
145 23.3 15.5 46.5

