

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083119\
 Data File : VU034084.D
 Acq On : 30 Aug 2019 09:42
 Operator : JC/SP
 Sample : VU0831MBL01
 Misc : 5.00g/10mL/100ul/5.0mL/MSVOA_U/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 30 15:25:13 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	448355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	712496	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	675257	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	328527	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	289378	50.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.74%	
35) Dibromofluoromethane	4.86	113	241055	48.78	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.56%	
50) Toluene-d8	7.55	98	904367	48.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.74%	
62) 4-Bromofluorobenzene	10.29	95	310064	43.08	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	86.16%	

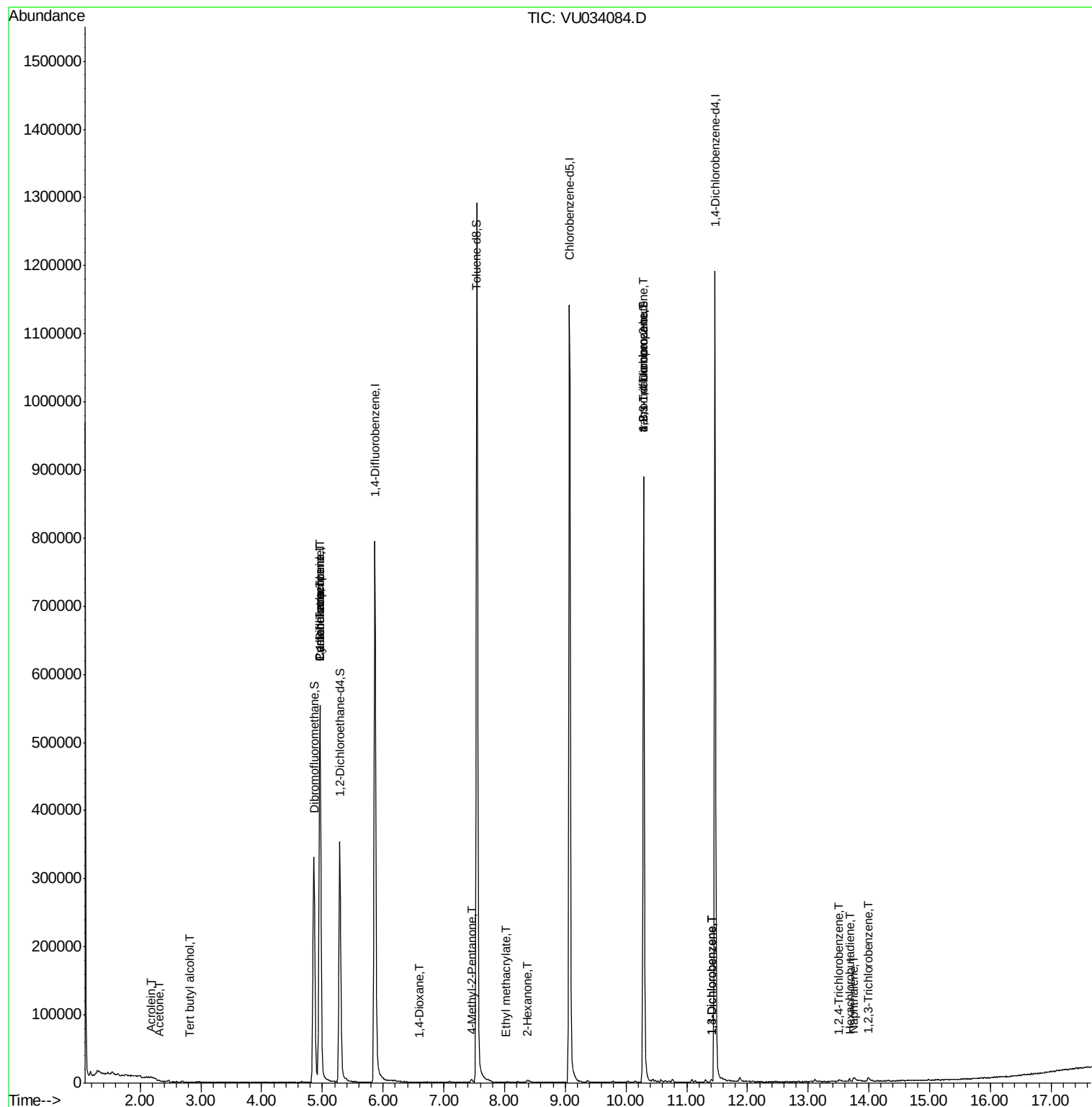
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2422	Below Cal	#	88
5) Bromomethane	1.59	94	66	Below Cal	#	2
11) Tert butyl alcohol	2.81	59	372	0.281	ug/l #	73
13) Acrolein	2.19	56	235	0.422	ug/l #	35
16) Acetone	2.32	43	1446	0.493	ug/l	100
31) Cyclohexane	4.96	56	8702	1.014	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	32697	4.852	ug/l #	48
38) Carbon Tetrachloride	4.96	117	39487	6.070	ug/l #	16
49) 1,4-Dioxane	6.61	88	81	0.584	ug/l #	3
51) 4-Methyl-2-Pentanone	7.45	43	4038	0.509	ug/l	98
56) Ethyl methacrylate	8.03	69	358	1.011	ug/l #	57
59) 2-Hexanone	8.37	43	3260	0.545	ug/l	99
76) 1,2,3-Trichloropropane	10.29	75	145799	19.691	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.29	75	145799	66.304	ug/l #	100
87) 1,3-Dichlorobenzene	11.41	146	2260	0.215	ug/l	91
88) 1,4-Dichlorobenzene	11.41	146	2260	0.213	ug/l	92
93) 1,2,4-Trichlorobenzene	13.51	180	2086	1.399	ug/l	83
94) Hexachlorobutadiene	13.68	225	1321	0.335	ug/l	80
95) Naphthalene	13.76	128	10167	2.268	ug/l #	83
96) 1,2,3-Trichlorobenzene	13.99	180	3625	0.562	ug/l	72

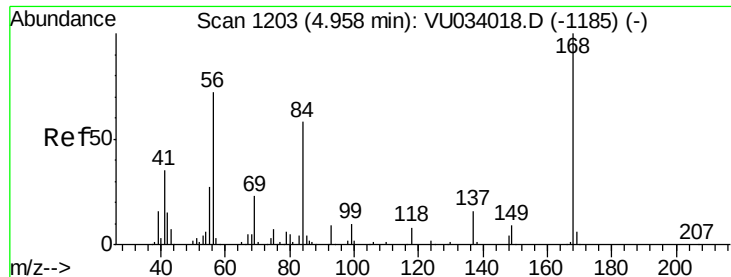
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :

Quant Time: Aug 30 15:25:13 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 29 04:11:12 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034084.D

Acq: 30 Aug 2019 09:42

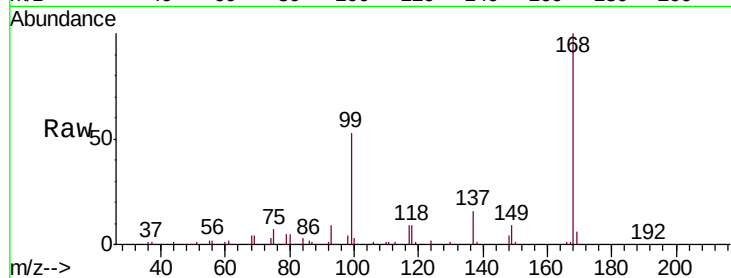
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 448355

Ion Ratio Lower Upper

168 100

99 53.4 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

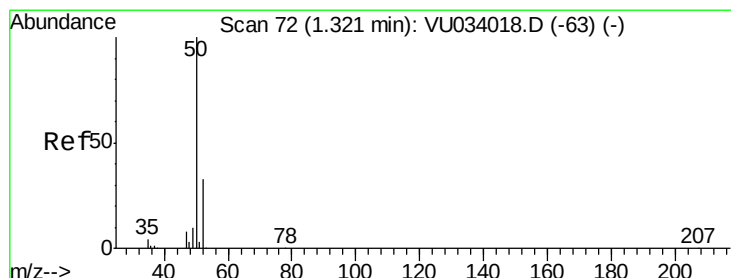
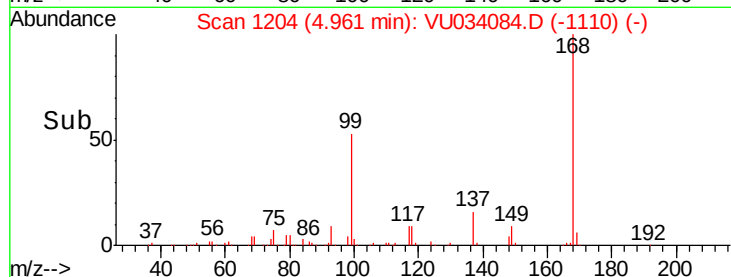
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034084.D

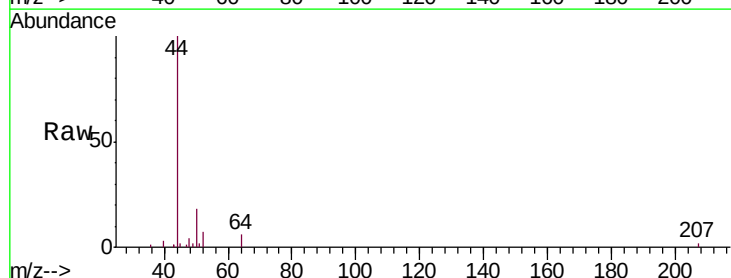
Acq: 30 Aug 2019 09:42

Tgt Ion: 50 Resp: 2422

Ion Ratio Lower Upper

50 100

52 39.6 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

2500

2000

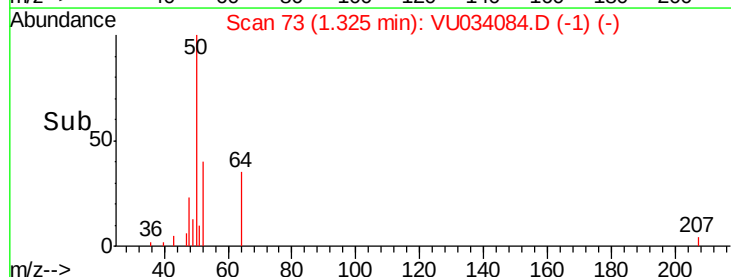
1500

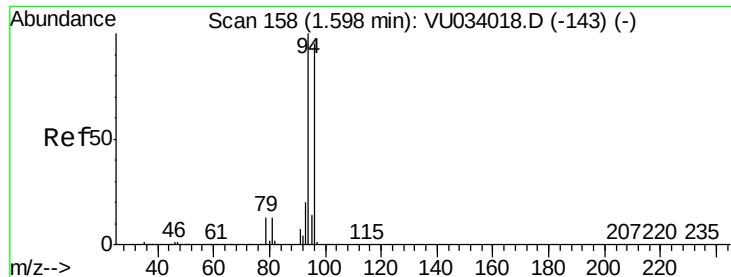
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.59 min Scan# 157

Delta R.T. -0.00 min

Lab File: VU034084.D

Acq: 30 Aug 2019 09:42

Instrument :

MSVOA_U

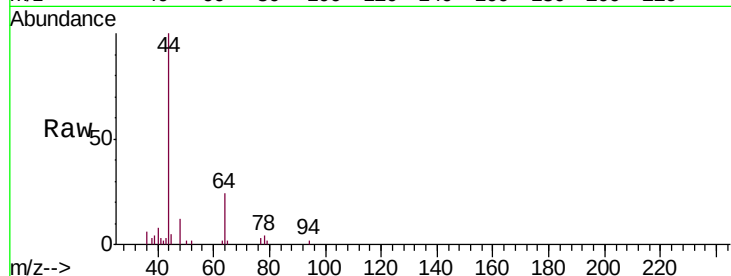
ClientSampleId :

Tot Ion: 94 Resp: 66

Ion Ratio Lower Upper

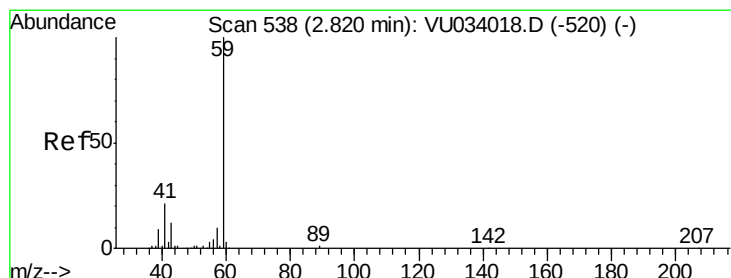
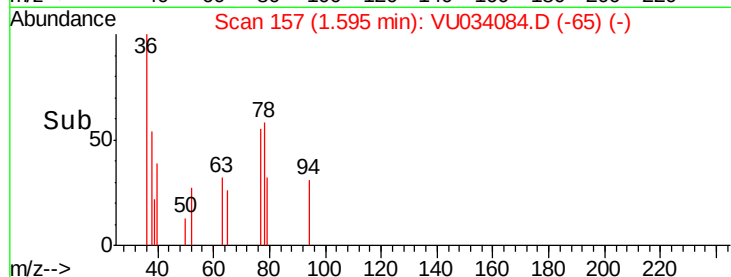
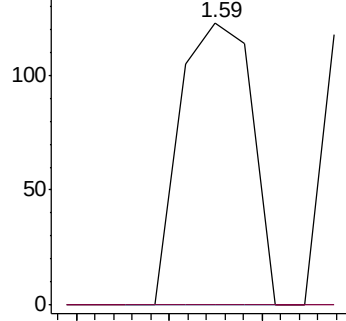
94 100

96 0.0 76.3 114.5#



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#11

Tert butyl alcohol

Concen: 0.281 ug/l

RT: 2.81 min Scan# 536

Delta R.T. -0.01 min

Lab File: VU034084.D

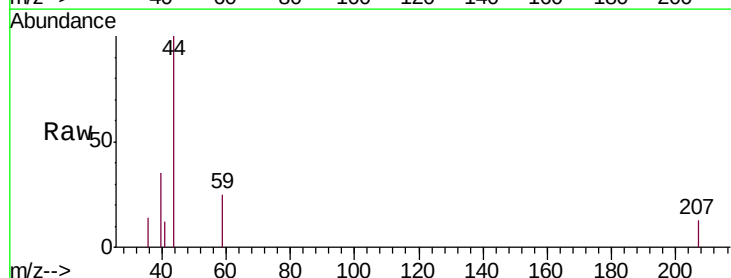
Acq: 30 Aug 2019 09:42

Tgt Ion: 59 Resp: 372

Ion Ratio Lower Upper

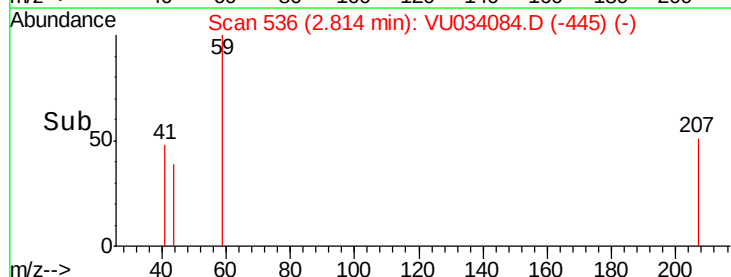
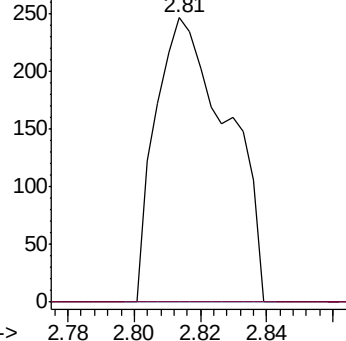
59 100

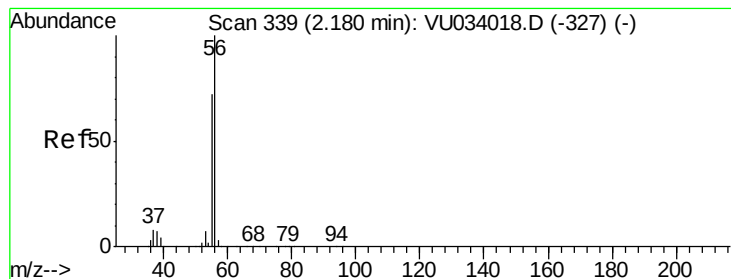
57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#13

Acrolein

Concen: 0.422 ug/l

RT: 2.19 min Scan# 342

Delta R.T. 0.01 min

Lab File: VU034084.D

Acq: 30 Aug 2019 09:42

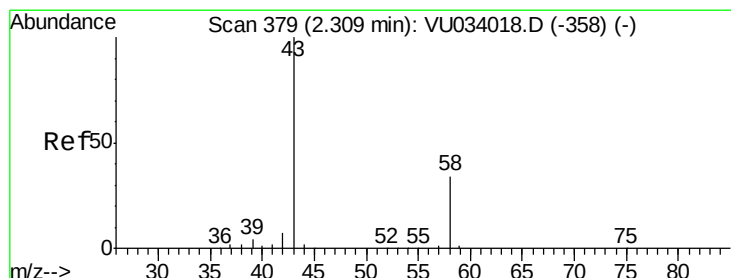
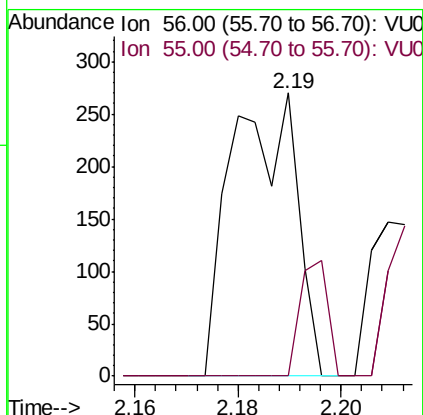
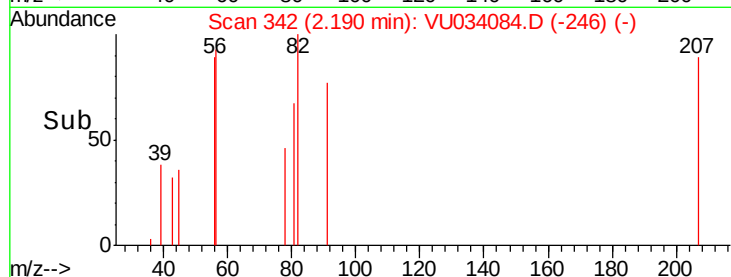
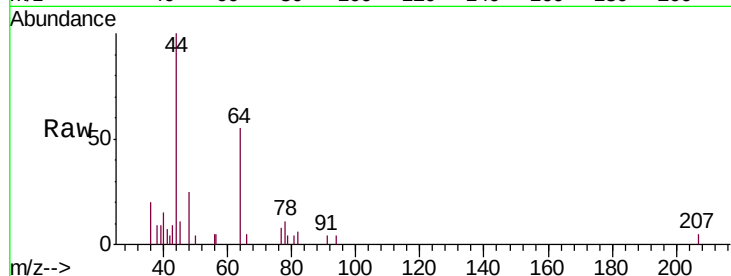
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 235

Ion Ratio Lower Upper

56 100

55 17.4 57.1 85.7#



#16

Acetone

Concen: 0.493 ug/l

RT: 2.32 min Scan# 381

Delta R.T. 0.01 min

Lab File: VU034084.D

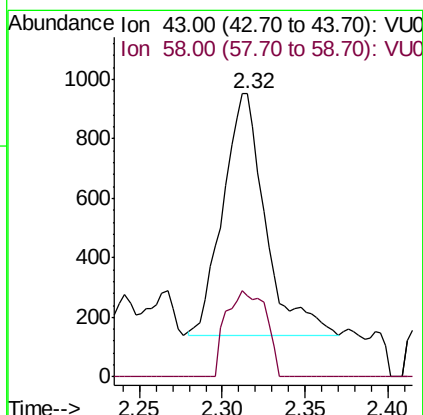
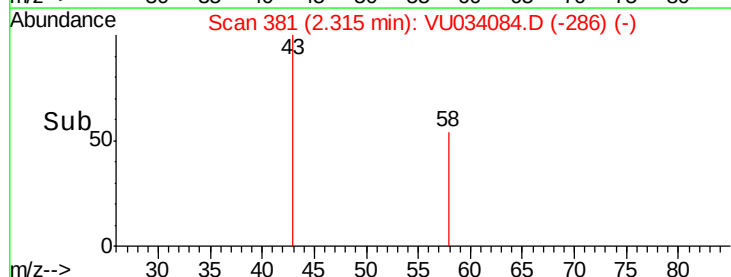
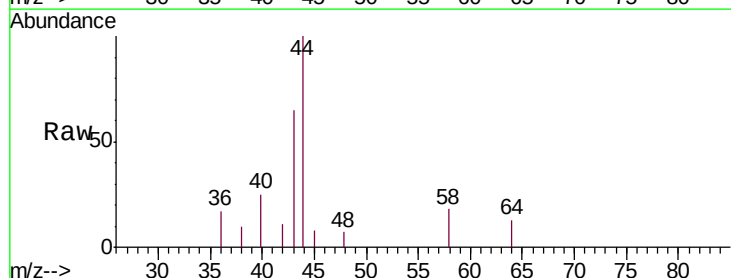
Acq: 30 Aug 2019 09:42

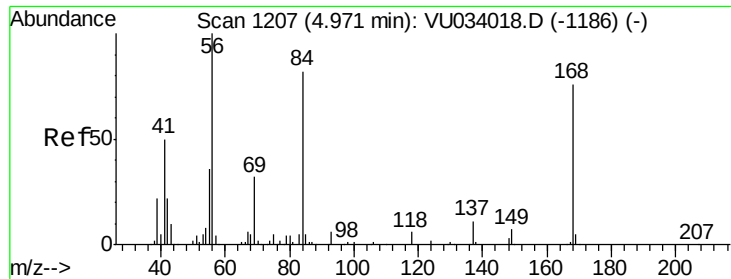
Tgt Ion: 43 Resp: 1446

Ion Ratio Lower Upper

43 100

58 33.5 26.8 40.2

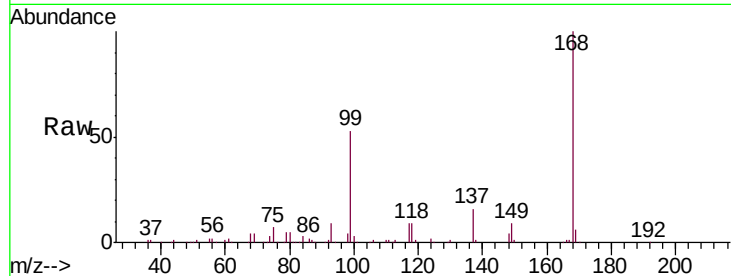




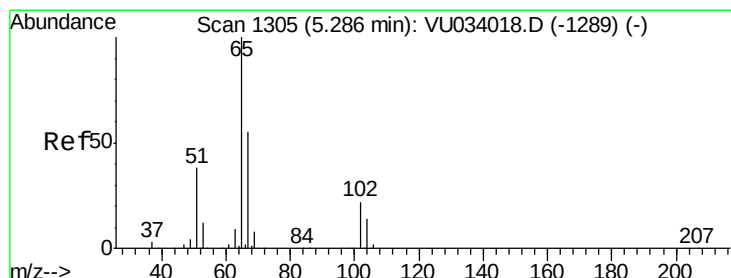
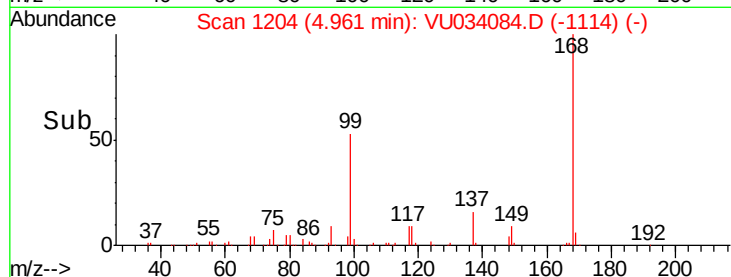
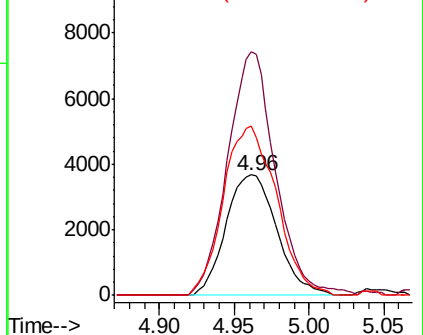
#31
Cyclohexane
Concen: 1.014 ug/l
RT: 4.96 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VU034084.D
Acq: 30 Aug 2019 09:42

Instrument :
MSVOA_U
ClientSampled :

Tot Ion	56	69	84
Resp	8702		
Ratio	100	201.7	140.6
Lower		25.4	65.8
Upper		38.0#	98.8#

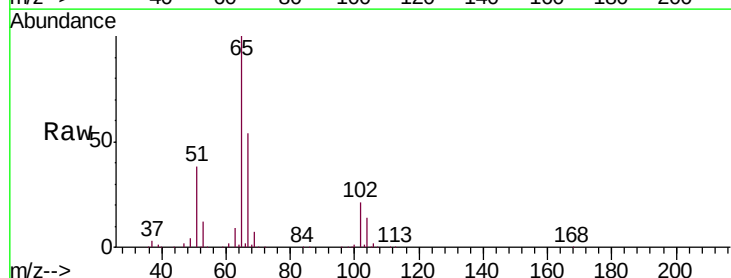


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

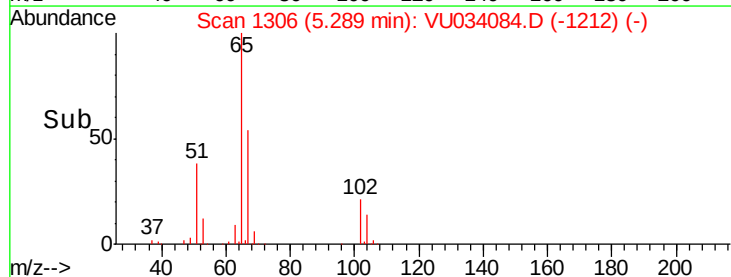
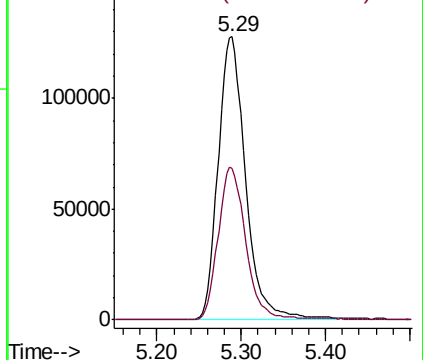


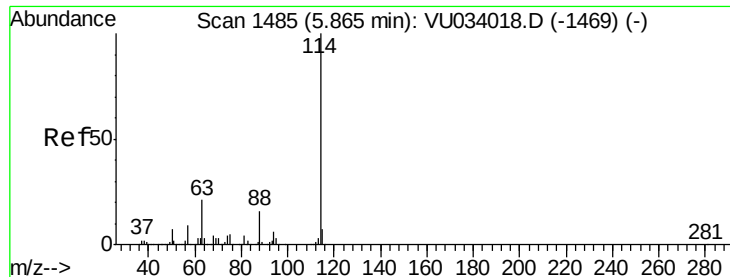
#33
1,2-Dichloroethane-d4
Concen: 50.371 ug/l
RT: 5.29 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VU034084.D
Acq: 30 Aug 2019 09:42

Tgt Ion	65	67
Resp	289378	
Ratio	100	53.9
Lower		0.0
Upper		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: 5.86 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VU034084.D

Acq: 30 Aug 2019 09:42

Instrument :

MSVOA_U

ClientSampleId :

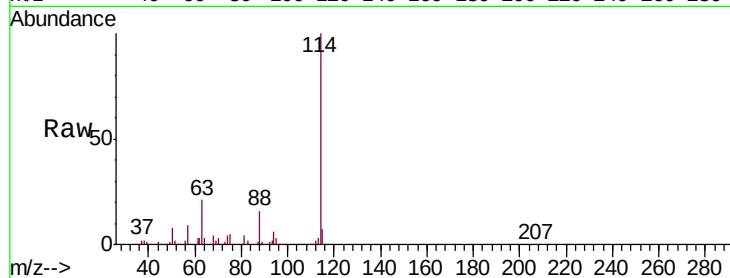
Tot Ion:114 Resp: 712496

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.0

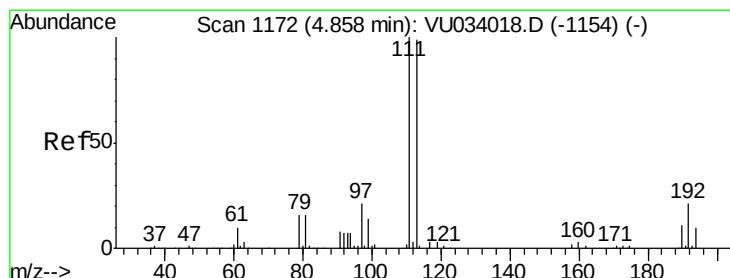
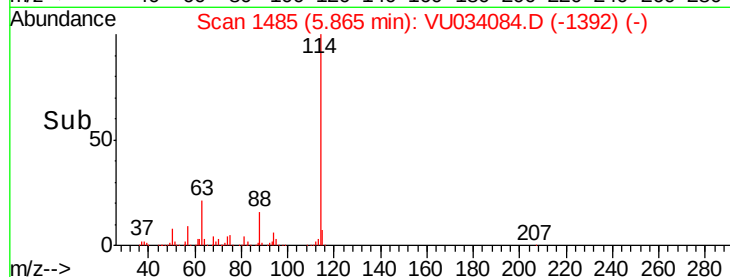
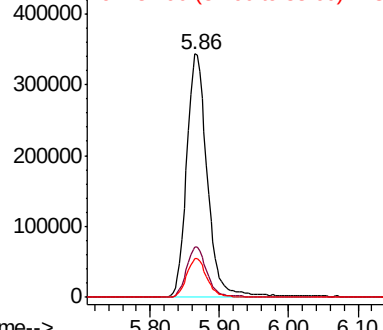
88 15.8 0.0 32.0



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: 48.779 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034084.D

Acq: 30 Aug 2019 09:42

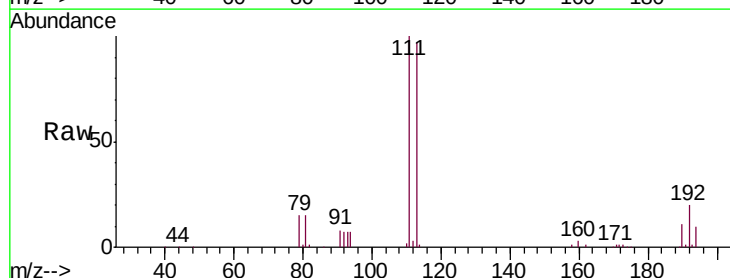
Tgt Ion:113 Resp: 241055

Ion Ratio Lower Upper

113 100

111 103.5 81.7 122.5

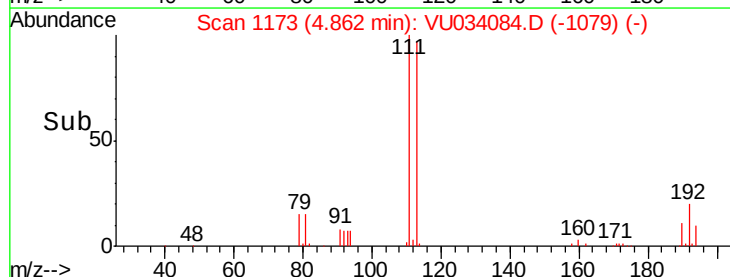
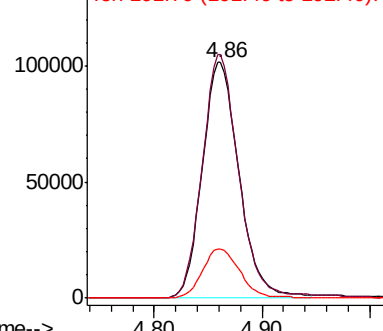
192 21.2 17.1 25.7

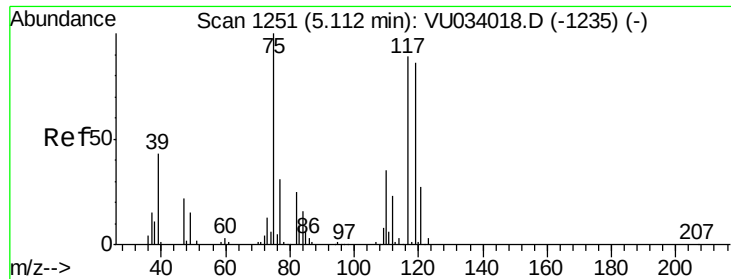


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

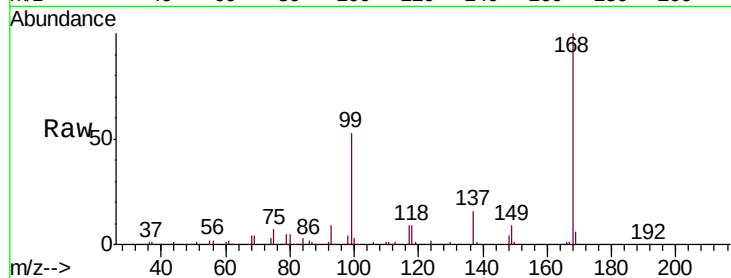




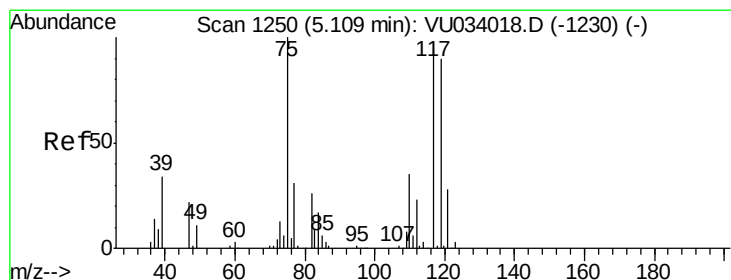
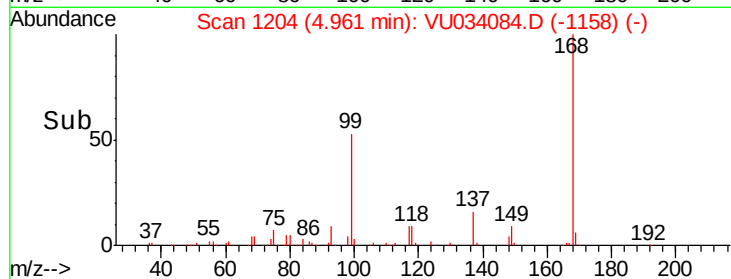
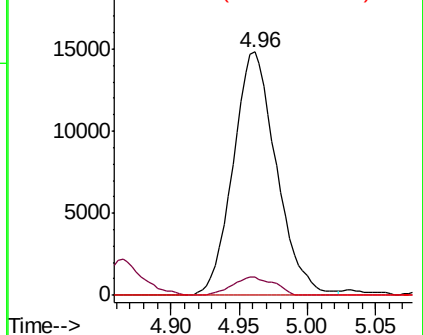
#36
 1,1-Dichloropropene
 Concen: 4.852 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034084.D
 Acq: 30 Aug 2019 09:42

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	75	110	77	Resp	Lower	Upper
32697	100	7.3	0.0		17.8	53.5#
					25.0	37.4#

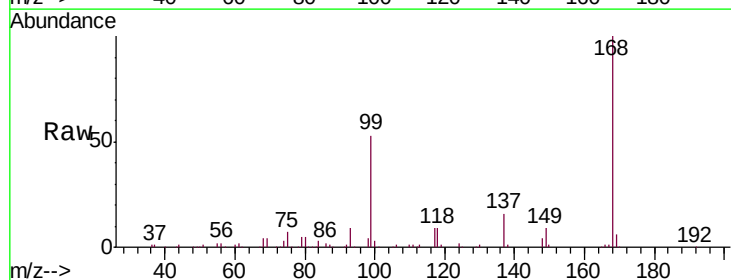


Abundance Ion 74.90 (74.60 to 75.60): VU034018.D (-1235) (-)
 Ion 109.90 (109.60 to 110.60): VU034018.D (-1235) (-)
 Ion 76.90 (76.60 to 77.60): VU034018.D (-1235) (-)

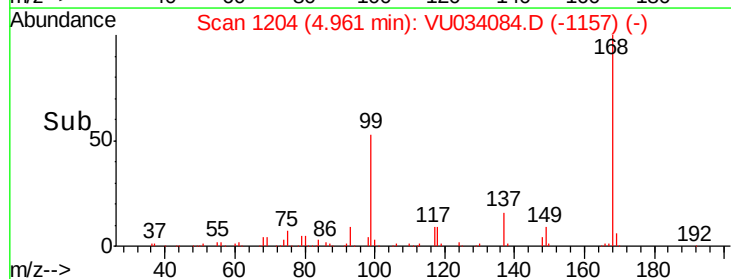
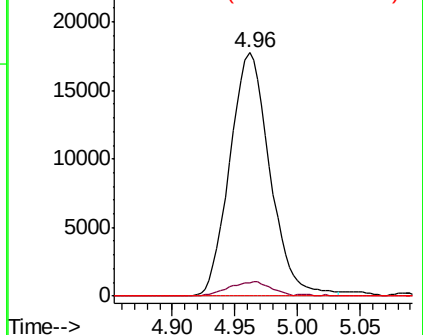


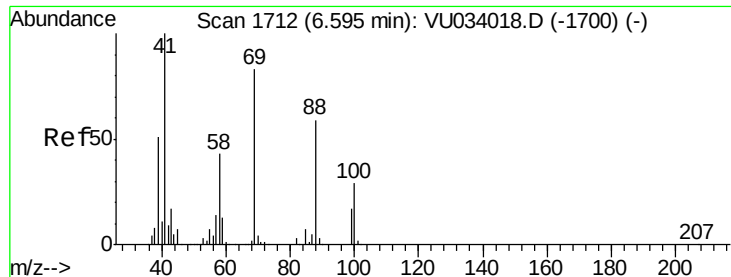
#38
 Carbon Tetrachloride
 Concen: 6.070 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034084.D
 Acq: 30 Aug 2019 09:42

Tgt Ion	117	119	121	Resp	Lower	Upper
39487	100	5.7	0.0		77.0	115.4#
					23.9	35.9#



Abundance Ion 116.80 (116.50 to 117.50): VU034018.D (-1230) (-)
 Ion 118.80 (118.50 to 119.50): VU034018.D (-1230) (-)
 Ion 120.80 (120.50 to 121.50): VU034018.D (-1230) (-)

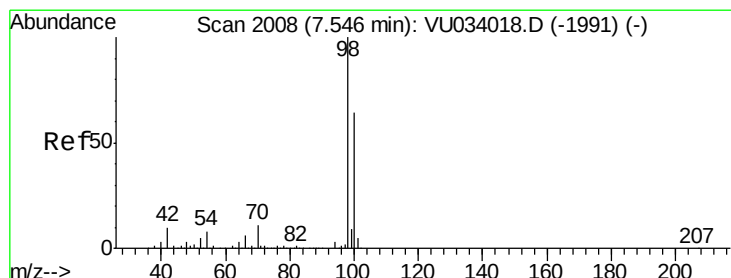
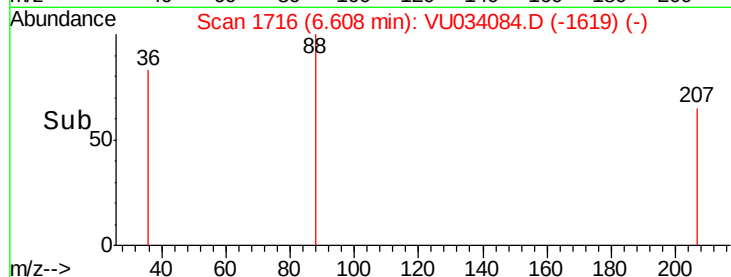
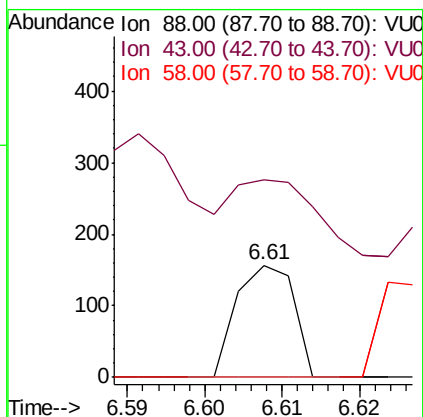
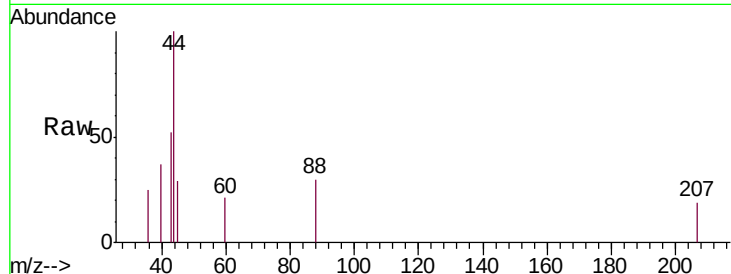




#49
1,4-Dioxane
Concen: 0.584 ug/l
RT: 6.61 min Scan# 1716
Delta R.T. 0.01 min
Lab File: VU034084.D
Acq: 30 Aug 2019 09:42

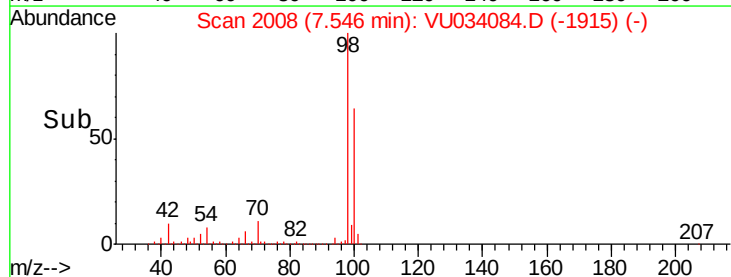
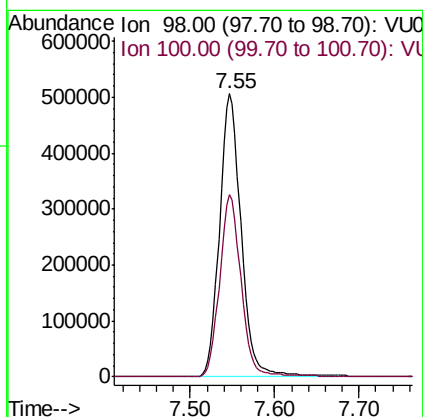
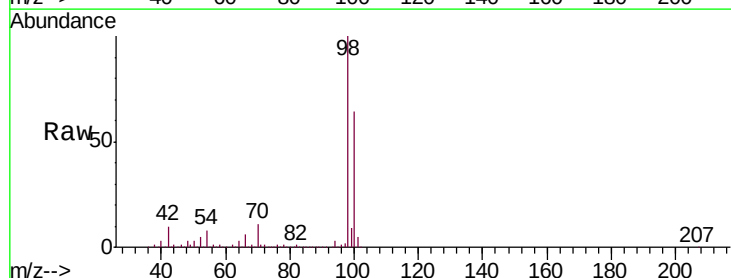
Instrument :
MSVOA_U
ClientSampled :

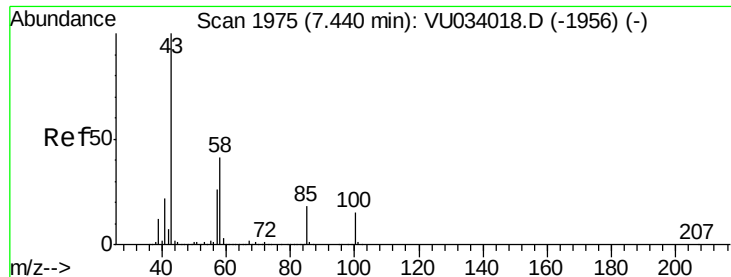
Tot Ion: 88 Resp: 81
Ion Ratio Lower Upper
88 100
43 97.5 24.8 37.2#
58 0.0 59.3 88.9#



#50
Toluene-d8
Concen: 48.874 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034084.D
Acq: 30 Aug 2019 09:42

Tgt Ion: 98 Resp: 904367
Ion Ratio Lower Upper
98 100
100 63.8 50.3 75.5





#51

4-Methyl-2-Pentanone

Concen: 0.509 ug/l

RT: 7.45 min Scan# 1979

Delta R.T. 0.01 min

Lab File: VU034084.D

Acq: 30 Aug 2019 09:42

Instrument :

MSVOA_U

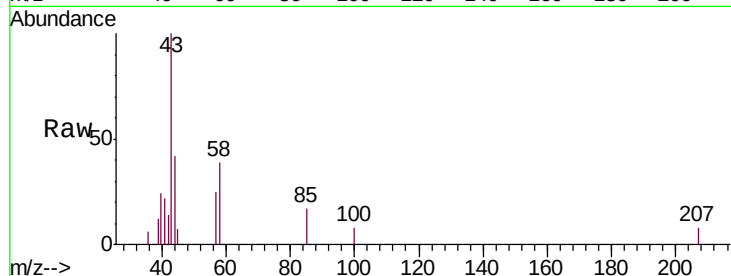
ClientSampleId :

Tot Ion: 43 Resp: 4038

Ion Ratio Lower Upper

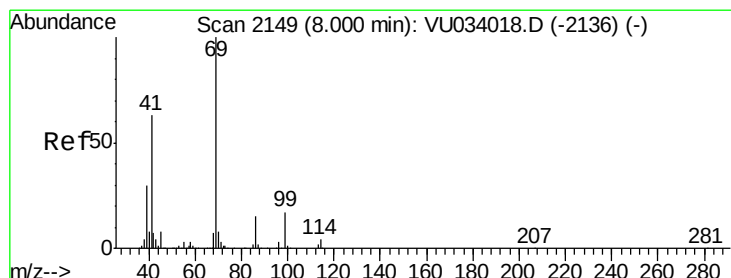
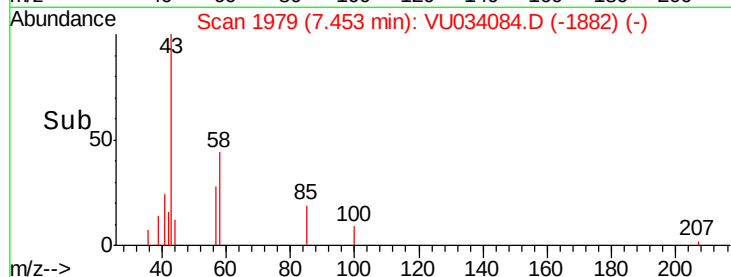
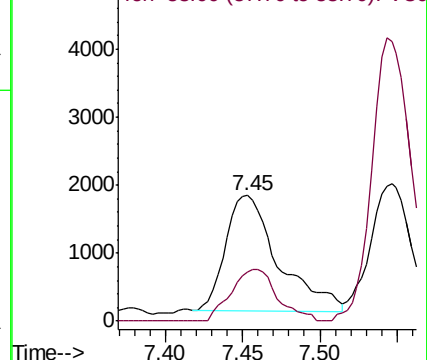
43 100

58 39.3 32.2 48.4



Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-1956) (-)

Ion 58.00 (57.70 to 58.70): VU034018.D (-1956) (-)



#56

Ethyl methacrylate

Concen: 1.011 ug/l

RT: 8.03 min Scan# 2157

Delta R.T. 0.03 min

Lab File: VU034084.D

Acq: 30 Aug 2019 09:42

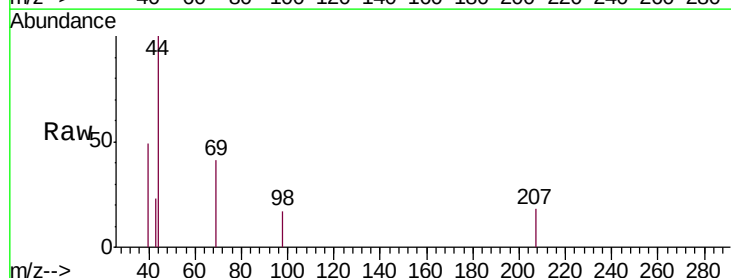
Tgt Ion: 69 Resp: 358

Ion Ratio Lower Upper

69 100

41 34.4 50.7 76.1#

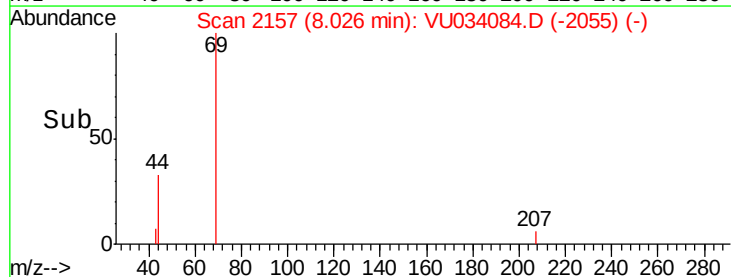
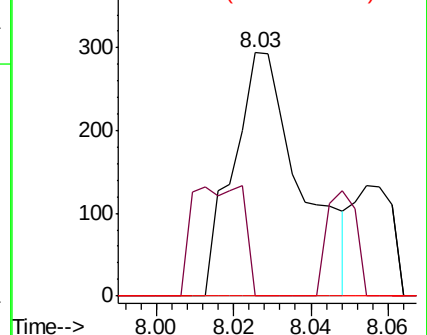
39 0.0 24.2 36.2#

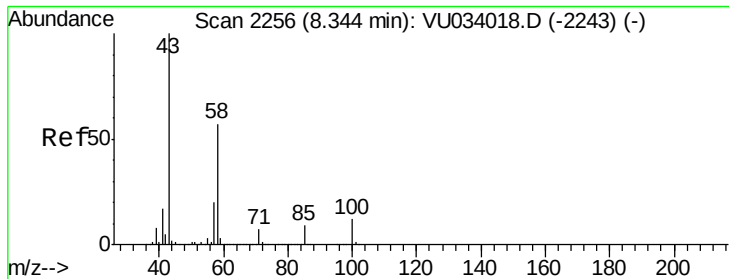


Abundance Ion 69.00 (68.70 to 69.70): VU034018.D (-2136) (-)

Ion 41.00 (40.70 to 41.70): VU034018.D (-2136) (-)

Ion 39.00 (38.70 to 39.70): VU034018.D (-2136) (-)

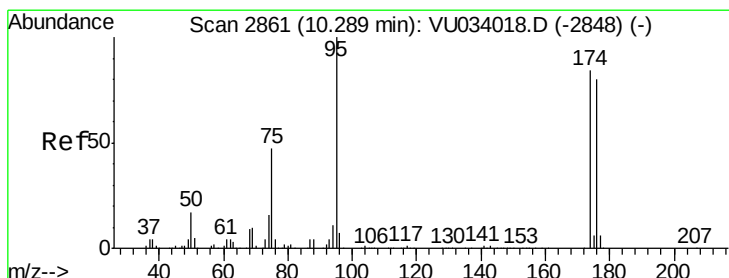
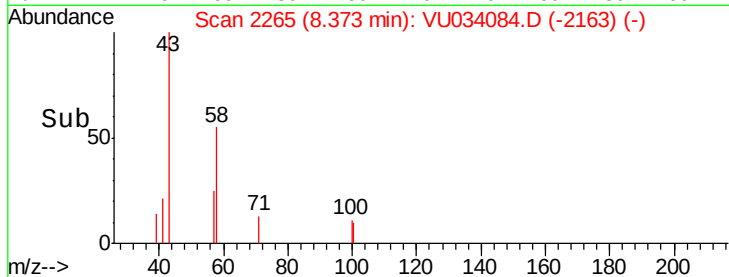
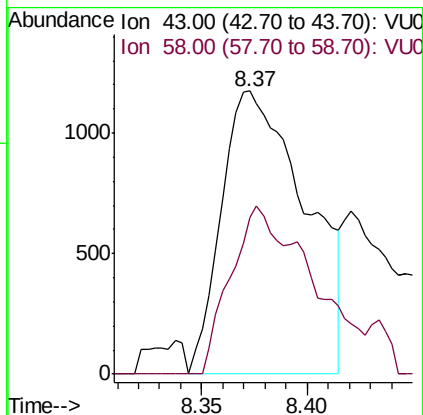
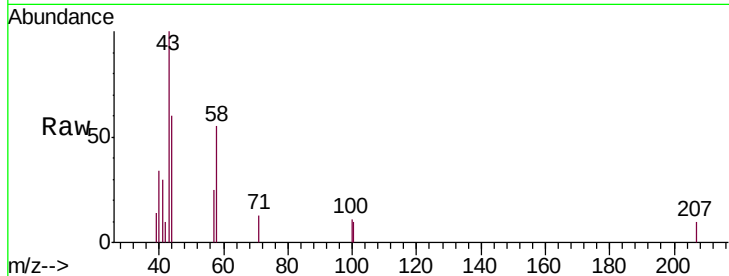




#59
2-Hexanone
Concen: 0.545 ug/l
RT: 8.37 min Scan# 2265
Delta R.T. 0.03 min
Lab File: VU034084.D
Acq: 30 Aug 2019 09:42

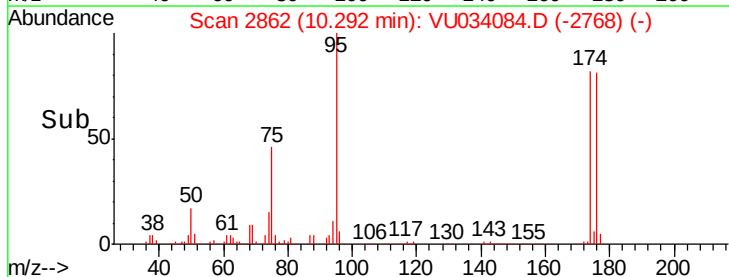
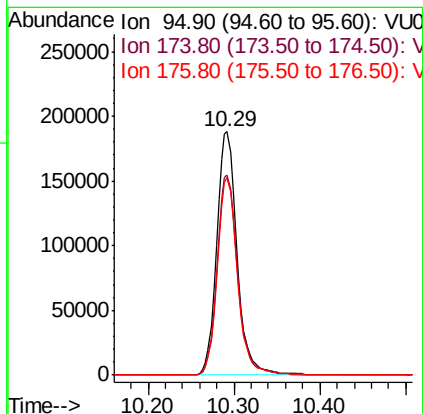
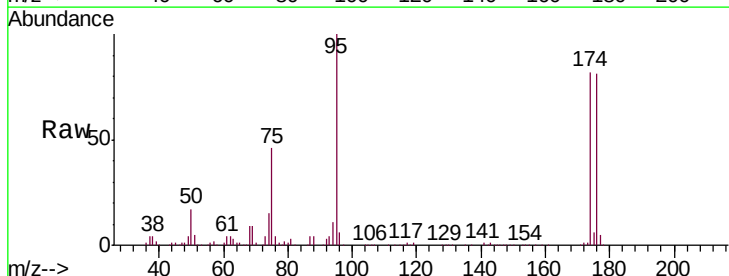
Instrument :
MSVOA_U
ClientSampled :

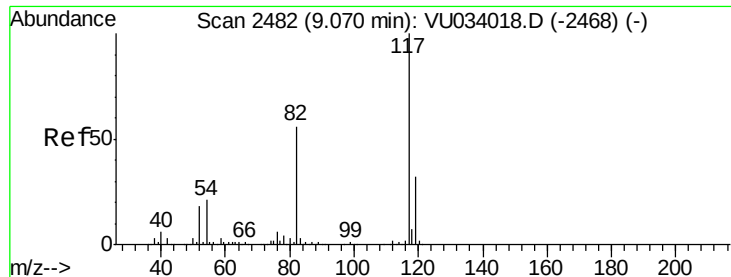
Tot Ion: 43 Resp: 3260
Ion Ratio Lower Upper
43 100
58 57.8 28.4 85.3



#62
4-Bromofluorobenzene
Concen: 43.077 ug/l
RT: 10.29 min Scan# 2862
Delta R.T. 0.00 min
Lab File: VU034084.D
Acq: 30 Aug 2019 09:42

Tgt Ion: 95 Resp: 310064
Ion Ratio Lower Upper
95 100
174 83.8 0.0 168.8
176 80.2 0.0 161.8

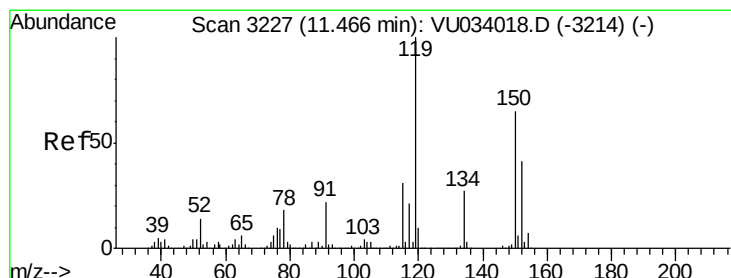
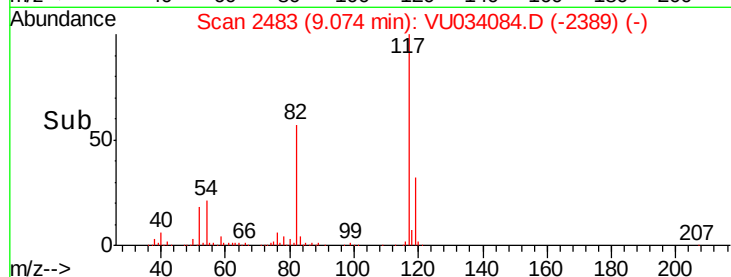
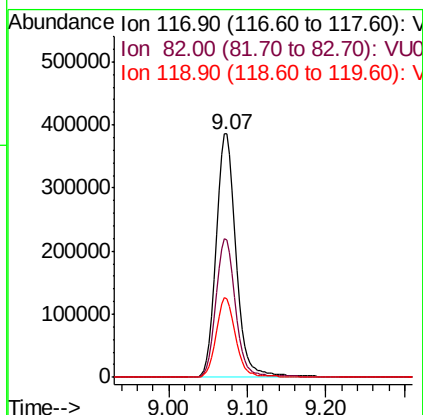
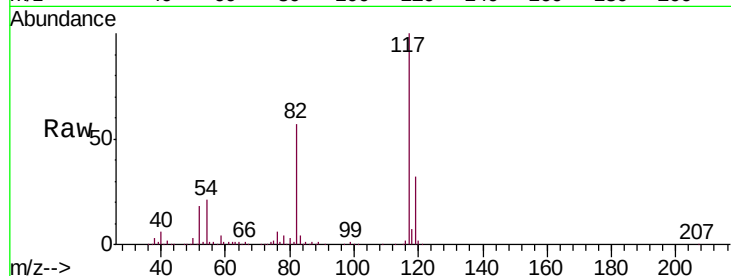




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2483
Delta R.T. 0.00 min
Lab File: VU034084.D
Acq: 30 Aug 2019 09:42

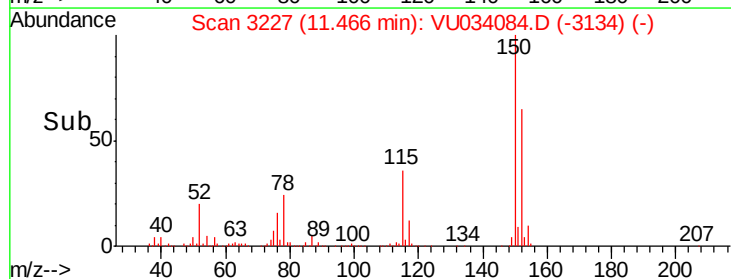
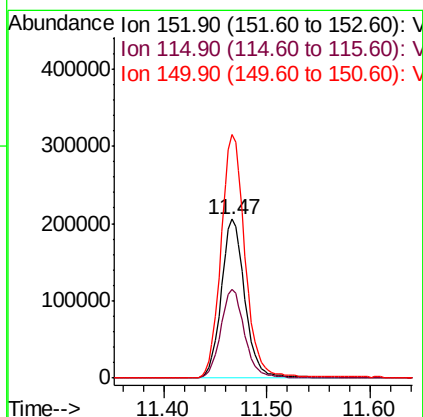
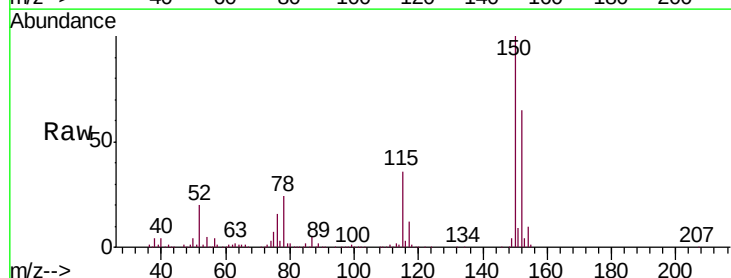
Instrument :
MSVOA_U
ClientSampled :

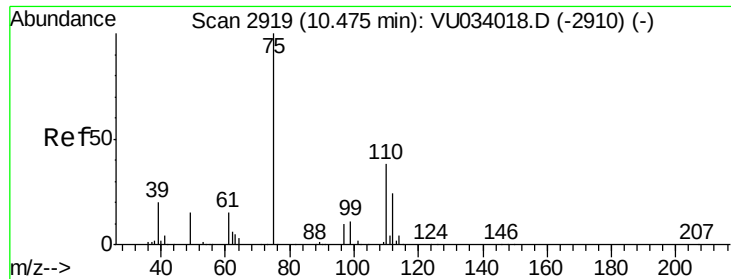
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.6	45.1	67.7
119	32.3	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.47 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VU034084.D
Acq: 30 Aug 2019 09:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	41.1	123.3
150	155.4	0.0	348.8





#76

1,2,3-Trichloropropane

Concen: 19.691 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.19 min

Lab File: VU034084.D

Acq: 30 Aug 2019 09:42

Instrument :

MSVOA_U

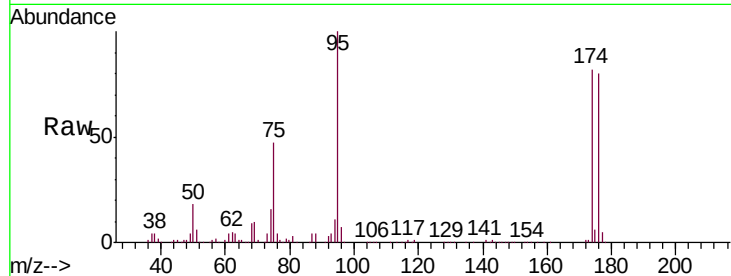
ClientSampleId :

Tot Ion: 75 Resp: 145799

Ion Ratio Lower Upper

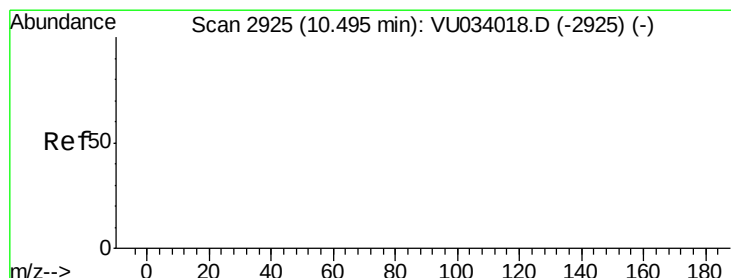
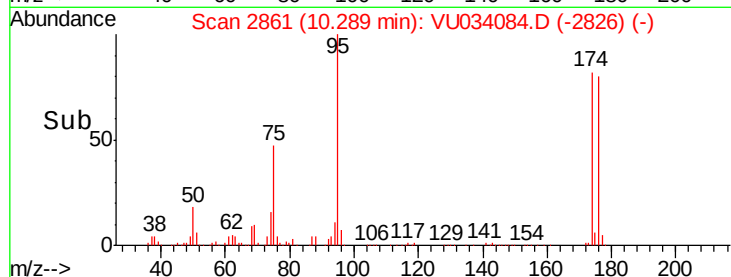
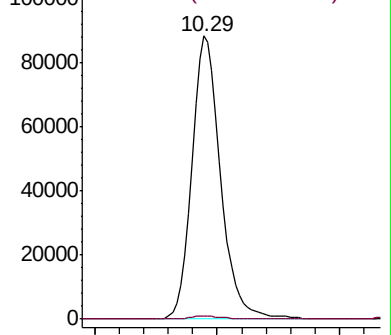
75 100

77 1.2 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: 66.304 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.21 min

Lab File: VU034084.D

Acq: 30 Aug 2019 09:42

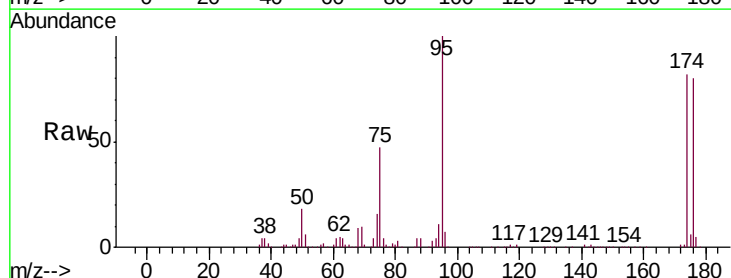
Tgt Ion: 75 Resp: 145799

Ion Ratio Lower Upper

75 100

53 0.3 0.0 0.0#

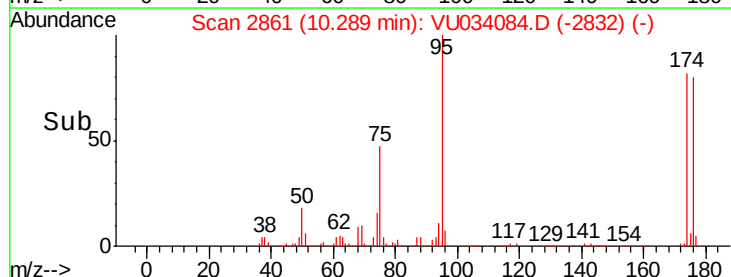
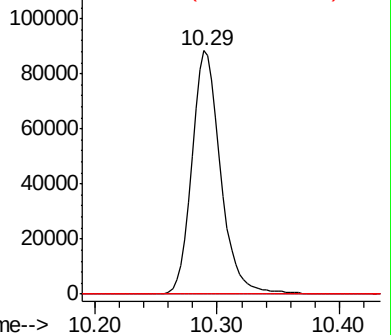
89 0.0 0.0 0.0

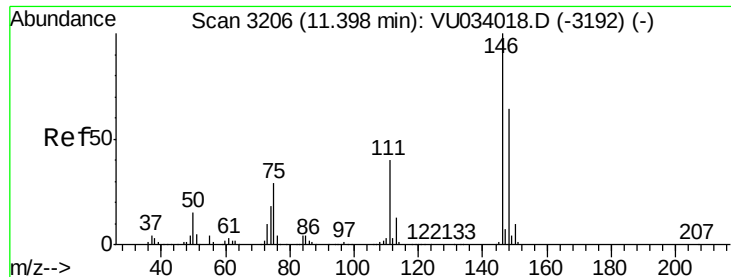


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

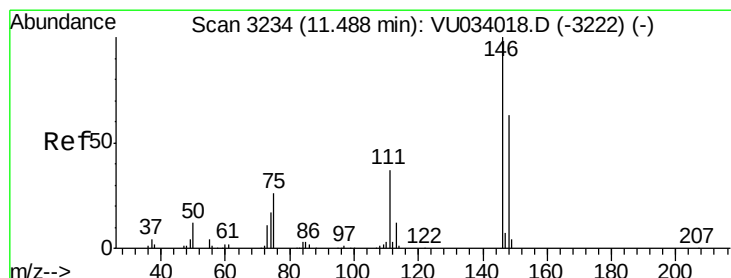
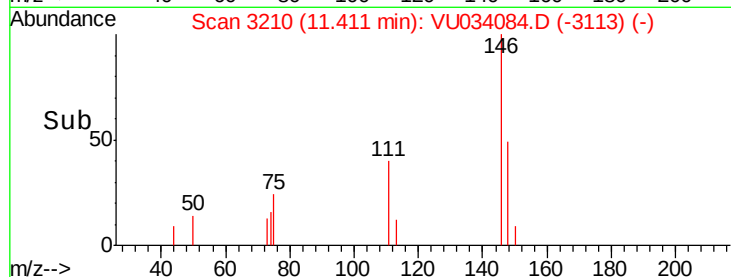
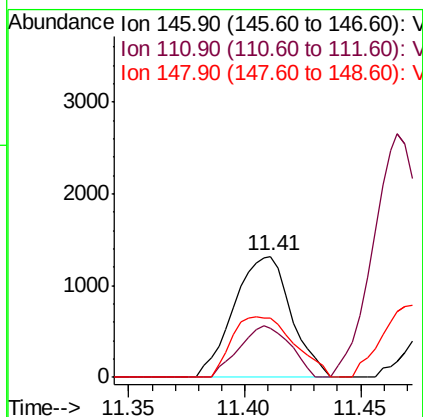
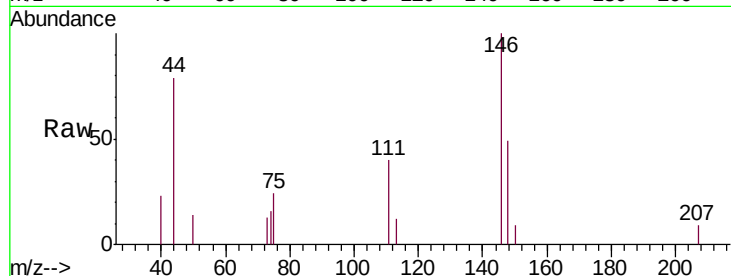




#87
 1,3-Dichlorobenzene
 Concen: 0.215 ug/l
 RT: 11.41 min Scan# 3210
 Delta R.T. 0.01 min
 Lab File: VU034084.D
 Acq: 30 Aug 2019 09:42

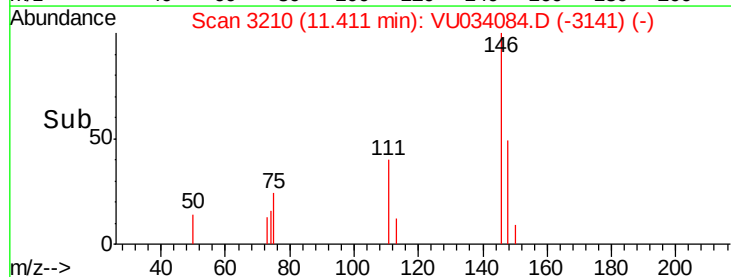
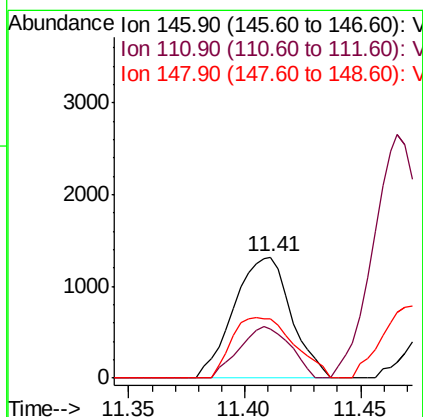
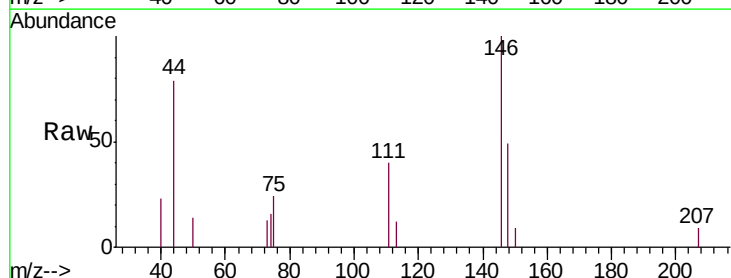
Instrument :
 MSVOA_U
 ClientSampled :

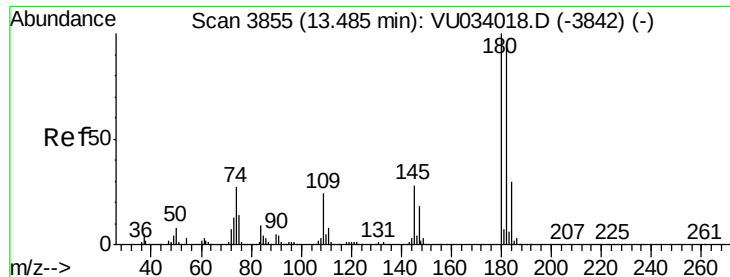
Tot Ion:146 Resp: 2260
 Ion Ratio Lower Upper
 146 100
 111 37.7 19.9 59.6
 148 54.1 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 0.213 ug/l
 RT: 11.41 min Scan# 3210
 Delta R.T. -0.08 min
 Lab File: VU034084.D
 Acq: 30 Aug 2019 09:42

Tgt Ion:146 Resp: 2260
 Ion Ratio Lower Upper
 146 100
 111 37.7 19.2 57.6
 148 54.1 31.9 95.9

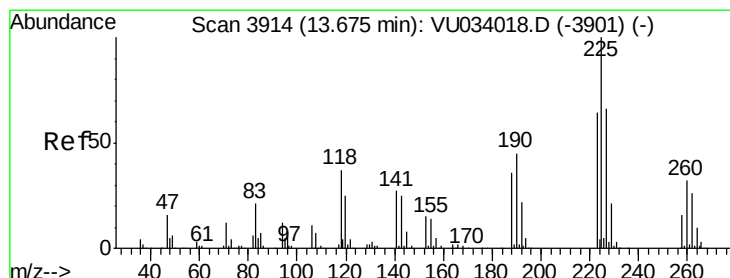
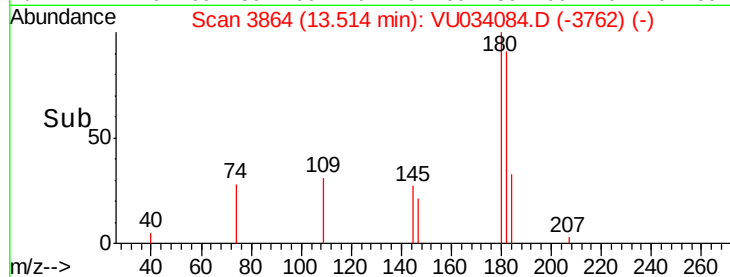
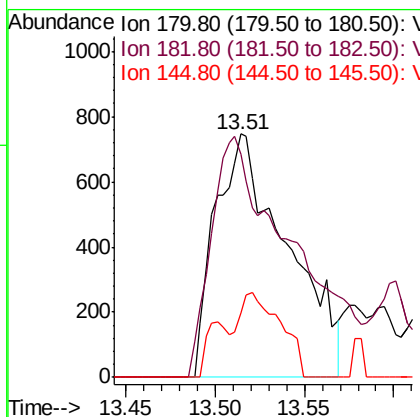
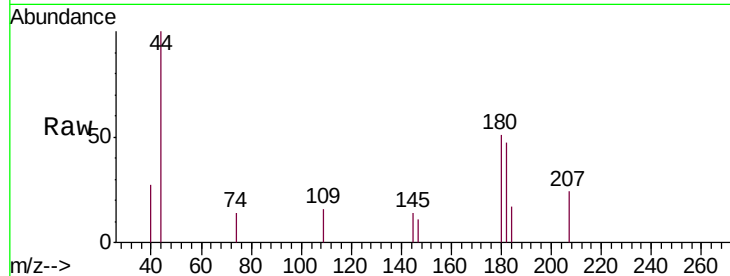




#93
 1,2,4-Trichlorobenzene
 Concen: 1.399 ug/l
 RT: 13.51 min Scan# 3864
 Delta R.T. 0.03 min
 Lab File: VU034084.D
 Acq: 30 Aug 2019 09:42

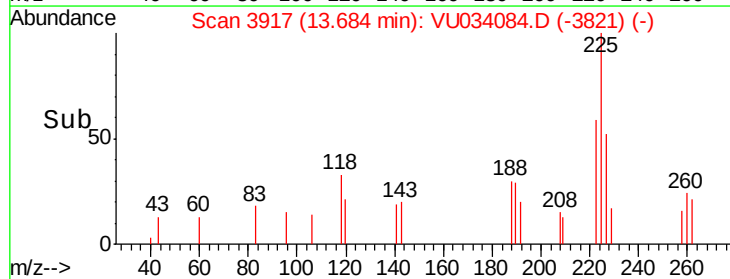
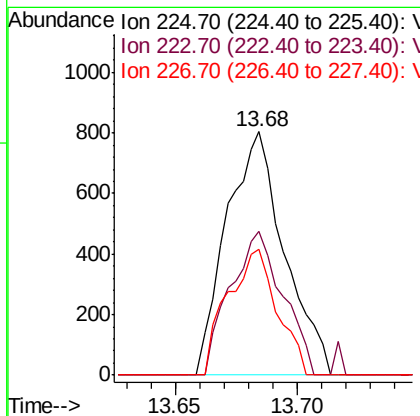
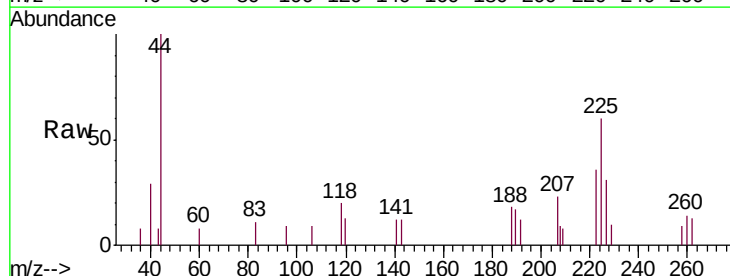
Instrument :
 MSVOA_U
 ClientSampleId :

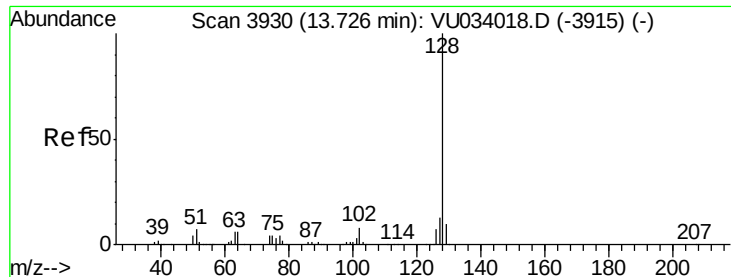
Tot Ion:180 Resp: 2086
 Ion Ratio Lower Upper
 180 100
 182 112.0 47.4 142.2
 145 20.8 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 0.335 ug/l
 RT: 13.68 min Scan# 3917
 Delta R.T. 0.01 min
 Lab File: VU034084.D
 Acq: 30 Aug 2019 09:42

Tgt Ion:225 Resp: 1321
 Ion Ratio Lower Upper
 225 100
 223 53.8 31.8 95.3
 227 44.2 32.6 97.8

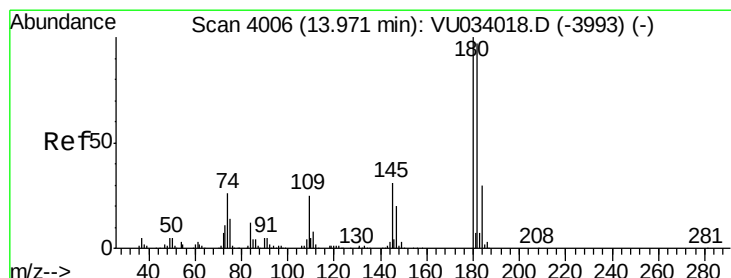
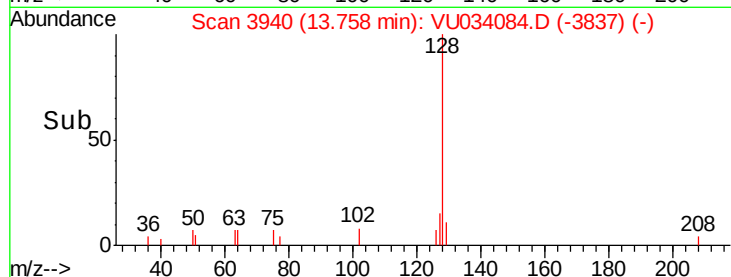
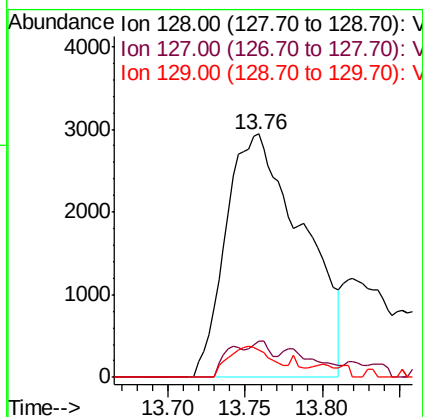
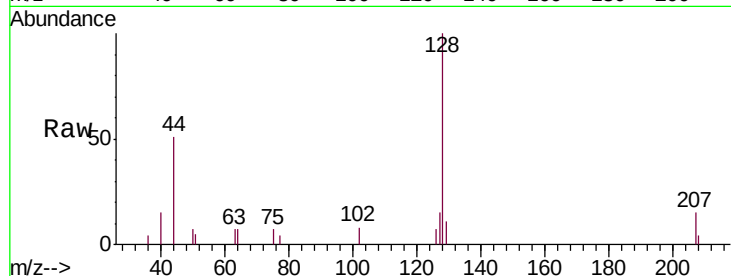




#95
Naphthalene
Concen: 2.268 ug/l
RT: 13.76 min Scan# 3940
Delta R.T. 0.03 min
Lab File: VU034084.D
Acq: 30 Aug 2019 09:42

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	3.4	10.2	15.4#
129	7.3	8.4	12.6#



#96
1,2,3-Trichlorobenzene
Concen: 0.562 ug/l
RT: 13.99 min Scan# 4012
Delta R.T. 0.02 min
Lab File: VU034084.D
Acq: 30 Aug 2019 09:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	66.9	48.2	144.6
145	20.2	15.5	46.5

