

Data File : VU034214.D
Acq On : 03 Sep 2019 09:59
Operator : JC/SP
Sample : VU0904MBL01
Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0904MBL01

Quant Time: Sep 04 04:17:48 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	427664	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	680500	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	648426	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	310588	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	271596	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
35) Dibromofluoromethane	4.86	113	228376	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
50) Toluene-d8	7.55	98	872263	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
62) 4-Bromofluorobenzene	10.29	95	288268	41.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.86%	

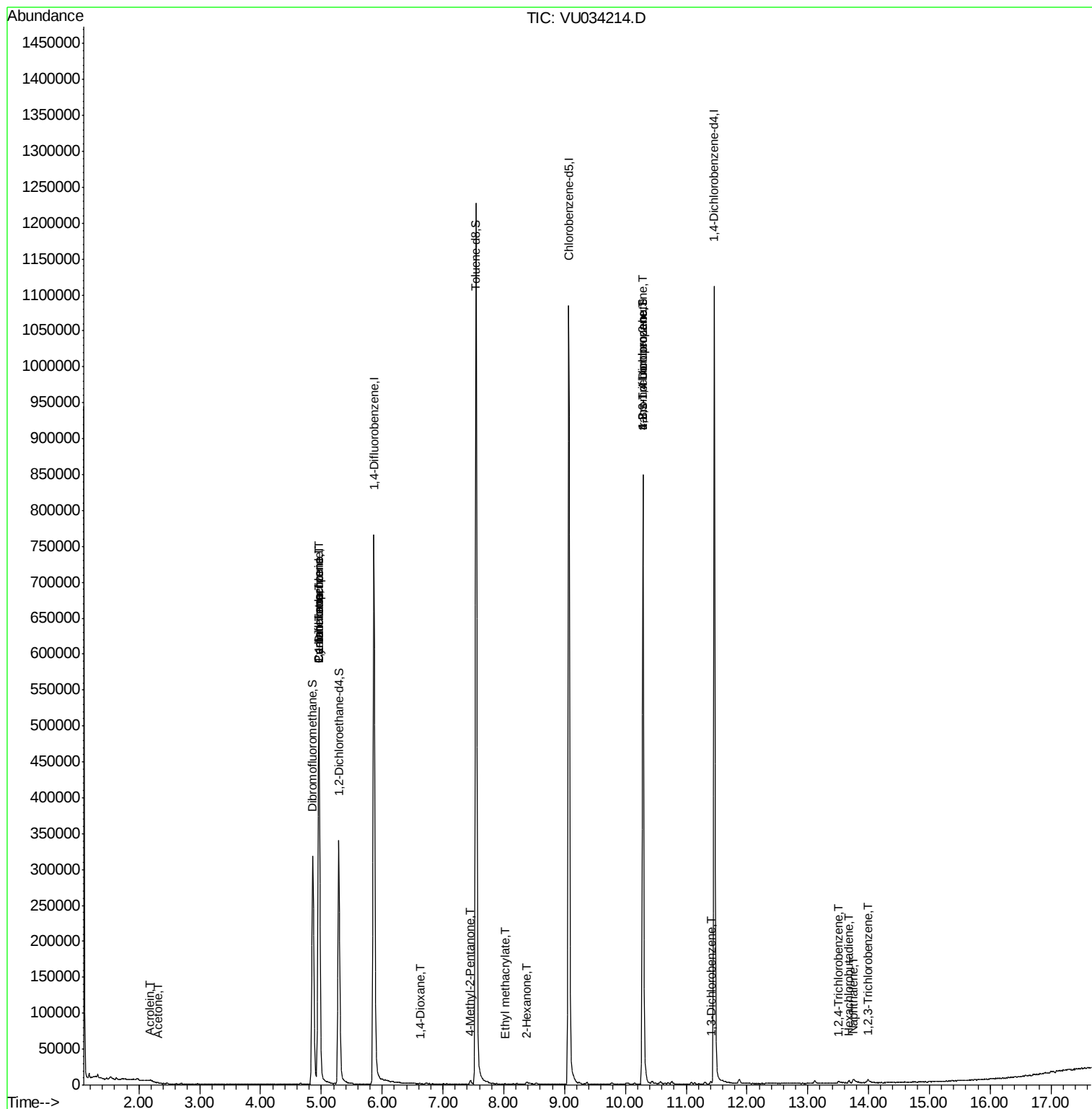
Target Compounds				Qvalue		
3) Chloromethane	1.32	50	2365	Below Cal		94
5) Bromomethane	1.59	94	129	Below Cal	#	2
13) Acrolein	2.18	56	247	0.465	ug/l #	63
16) Acetone	2.32	43	1530	0.547	ug/l	100
31) Cyclohexane	4.95	56	7871	0.962	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	30792	4.784	ug/l #	49
38) Carbon Tetrachloride	4.96	117	39642	6.380	ug/l #	17
49) 1,4-Dioxane	6.62	88	159	1.199	ug/l #	72
51) 4-Methyl-2-Pentanone	7.45	43	4709	0.622	ug/l #	81
56) Ethyl methacrylate	8.02	69	228	0.998	ug/l #	80
59) 2-Hexanone	8.37	43	1713	0.300	ug/l	63
76) 1,2,3-Trichloropropane	10.29	75	139483	19.926	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.29	75	139483	67.095	ug/l #	100
87) 1,3-Dichlorobenzene	11.40	146	1995	0.201	ug/l	98
93) 1,2,4-Trichlorobenzene	13.51	180	1506	1.331	ug/l	66
94) Hexachlorobutadiene	13.68	225	961	0.258	ug/l	92
95) Naphthalene	13.75	128	8777	2.226	ug/l #	85
96) 1,2,3-Trichlorobenzene	13.99	180	2820	0.463	ug/l #	60

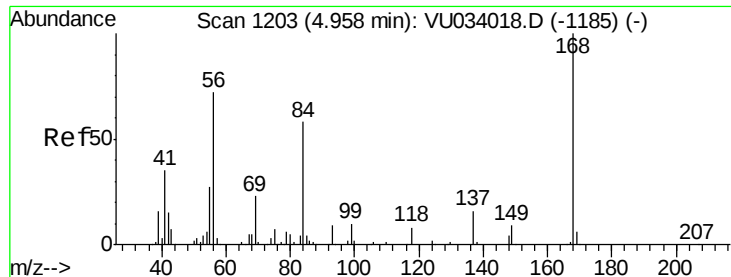
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034214.D

Acq: 03 Sep 2019 09:59

Instrument :

MSVOA_U

ClientSampleId :

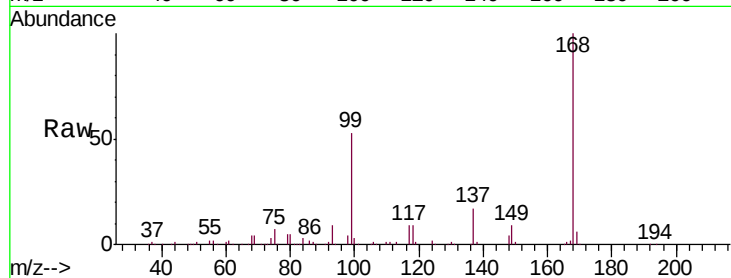
VU0904MBL01

Tgt Ion:168 Resp: 427664

Ion Ratio Lower Upper

168 100

99 53.3 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

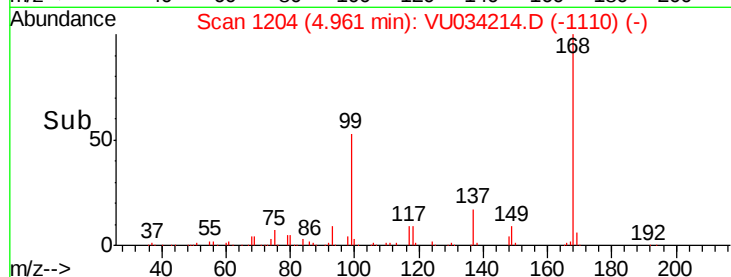
100000

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: VU034214.D

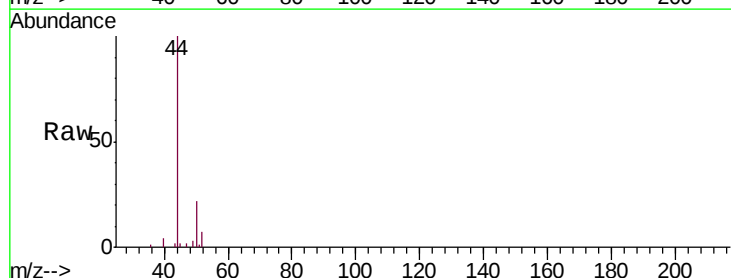
Acq: 03 Sep 2019 09:59

Tgt Ion: 50 Resp: 2365

Ion Ratio Lower Upper

50 100

52 29.6 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

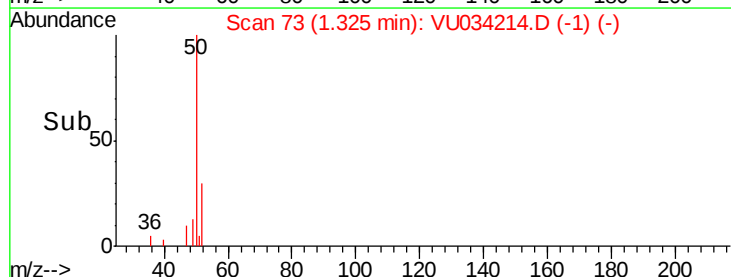
1000

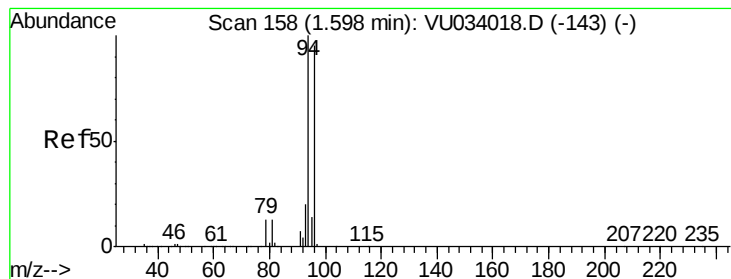
500

0

1.30 1.32 1.34 1.36

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.59 min Scan# 157

Delta R.T. -0.00 min

Lab File: VU034214.D

Acq: 03 Sep 2019 09:59

Instrument :

MSVOA_U

ClientSampleId :

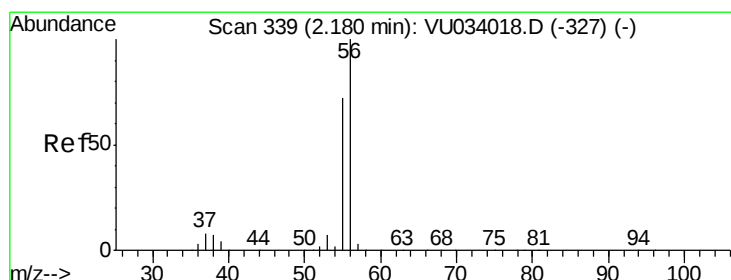
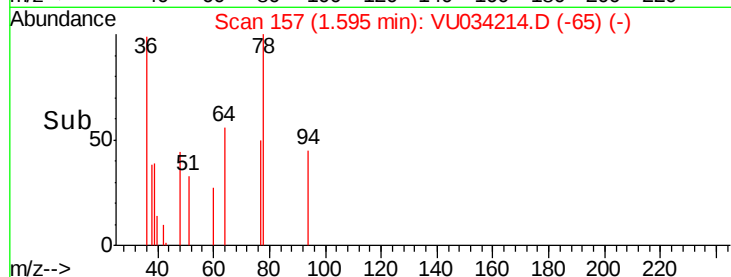
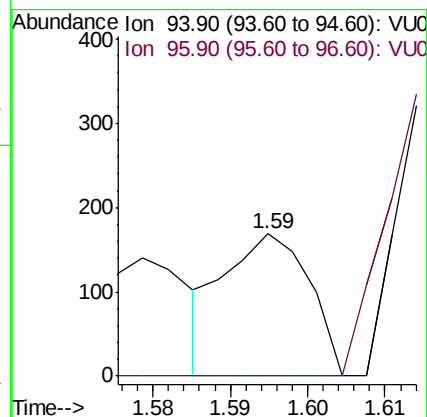
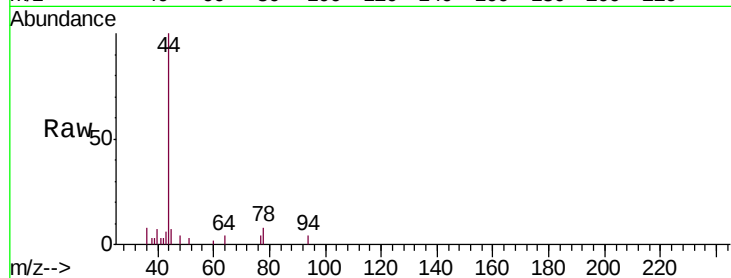
VU0904MBL01

Tgt Ion: 94 Resp: 129

Ion Ratio Lower Upper

94 100

96 0.0 76.3 114.5#



#13

Acrolein

Concen: 0.465 ug/l

RT: 2.18 min Scan# 339

Delta R.T. -0.00 min

Lab File: VU034214.D

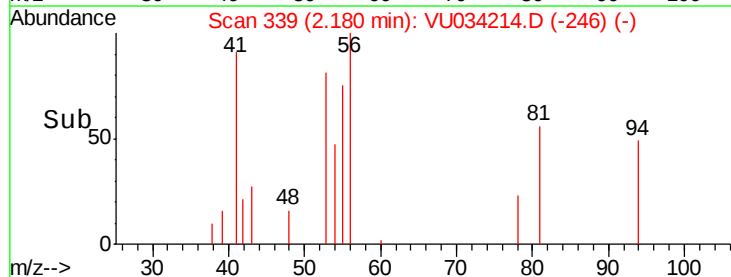
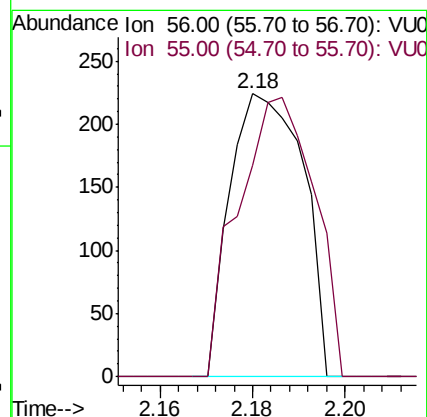
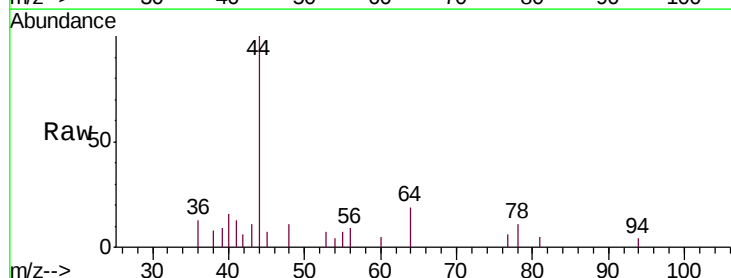
Acq: 03 Sep 2019 09:59

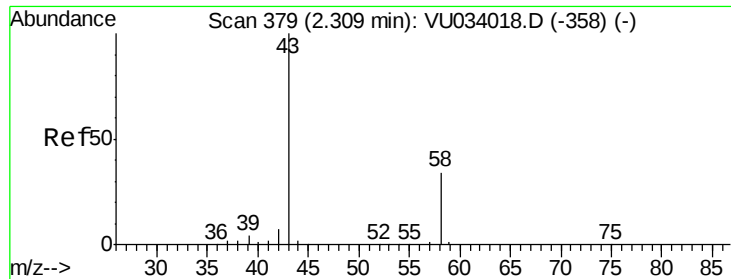
Tgt Ion: 56 Resp: 247

Ion Ratio Lower Upper

56 100

55 102.4 57.1 85.7#

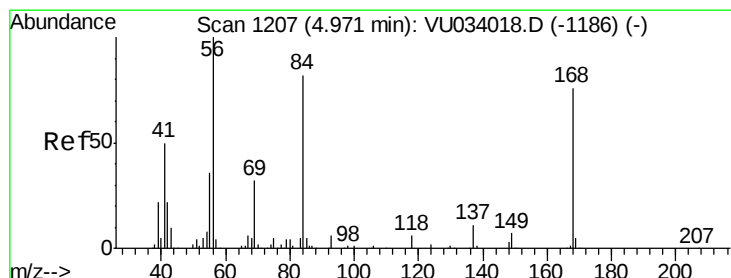
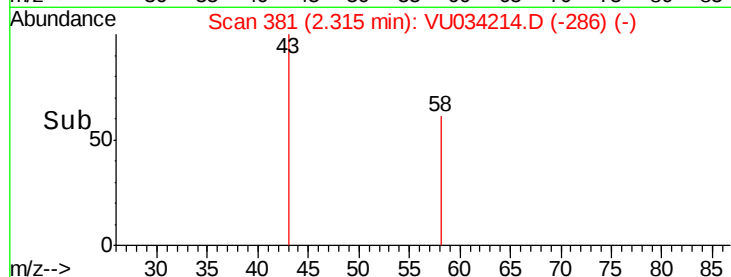
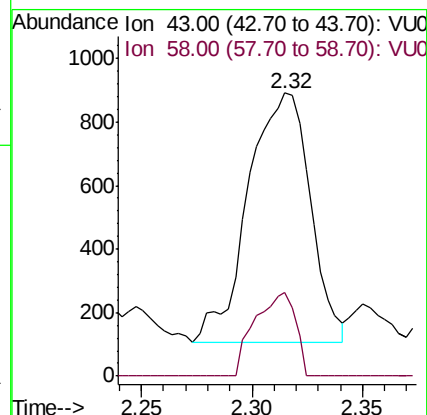
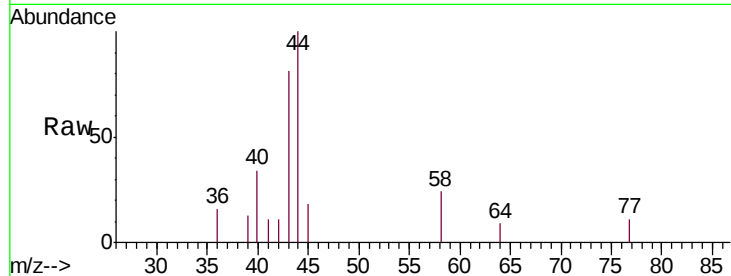




#16
Acetone
Concen: 0.547 ug/l
RT: 2.32 min Scan# 381
Delta R.T. 0.01 min
Lab File: VU034214.D
Acq: 03 Sep 2019 09:59

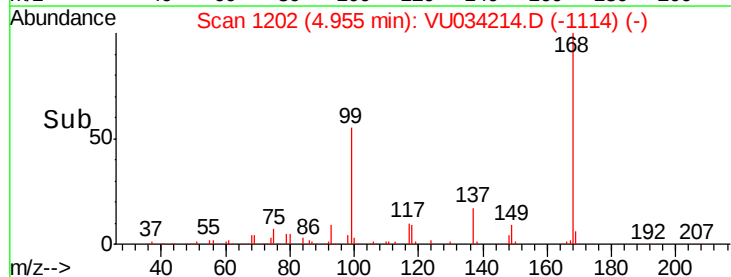
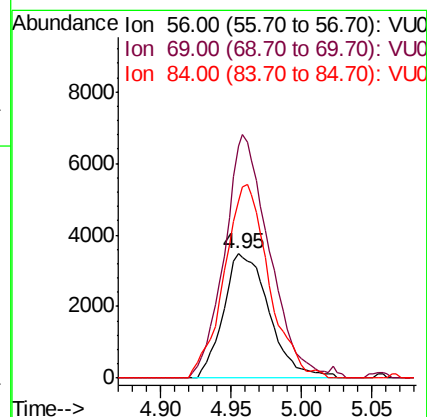
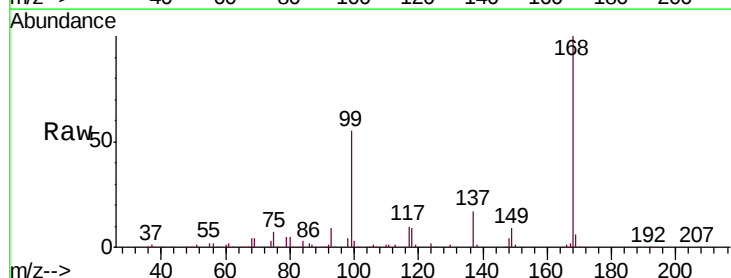
Instrument :
MSVOA_U
ClientSampleId :
VU0904MBL01

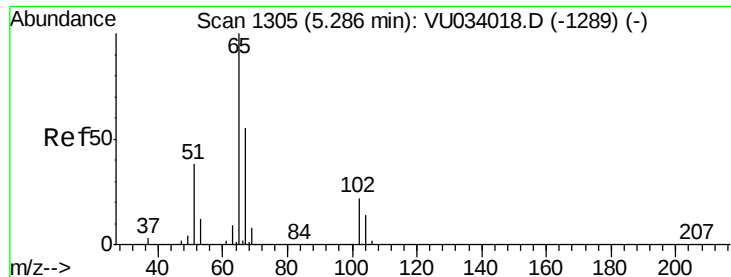
Tgt Ion: 43 Resp: 1530
Ion Ratio Lower Upper
43 100
58 33.6 26.8 40.2



#31
Cyclohexane
Concen: 0.962 ug/l
RT: 4.95 min Scan# 1202
Delta R.T. -0.02 min
Lab File: VU034214.D
Acq: 03 Sep 2019 09:59

Tgt Ion: 56 Resp: 7871
Ion Ratio Lower Upper
56 100
69 183.7 25.4 38.0#
84 142.7 65.8 98.8#





#33

1,2-Dichloroethane-d4

Concen: 49.563 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VU034214.D

Acq: 03 Sep 2019 09:59

Instrument :

MSVOA_U

ClientSampleId :

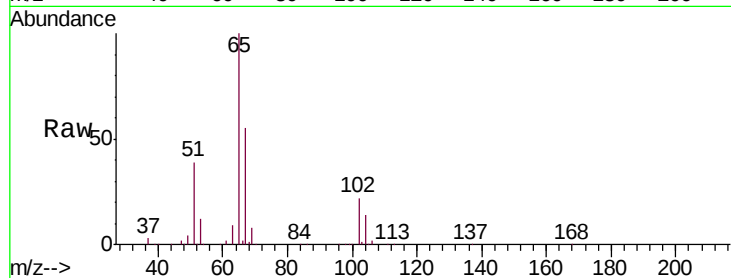
VU0904MBL01

Tgt Ion: 65 Resp: 271596

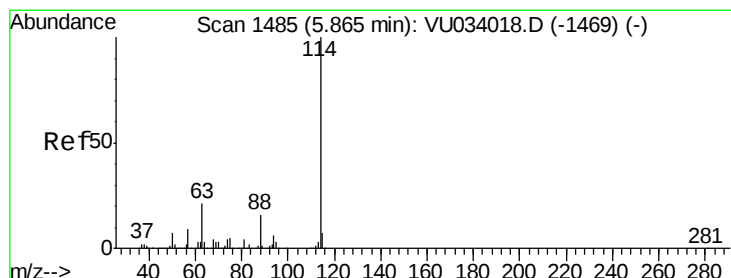
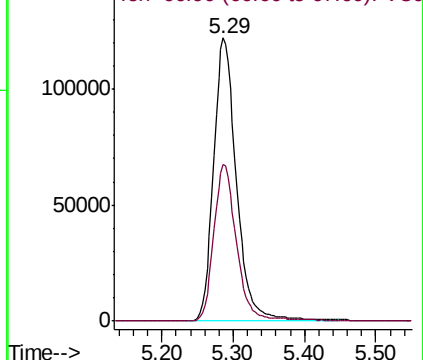
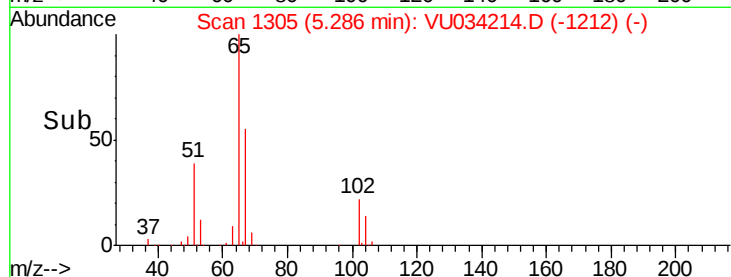
Ion Ratio Lower Upper

65 100

67 54.9 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU034214.D (-1212) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VU034214.D

Acq: 03 Sep 2019 09:59

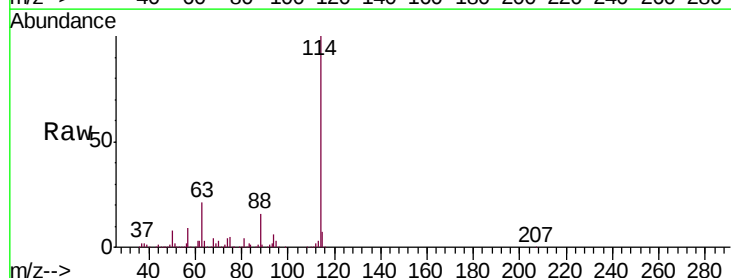
Tgt Ion: 114 Resp: 680500

Ion Ratio Lower Upper

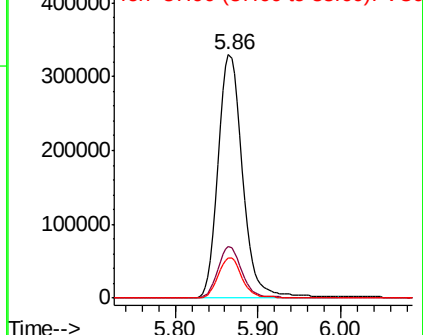
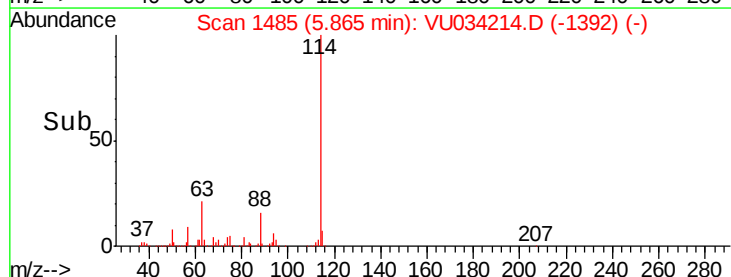
114 100

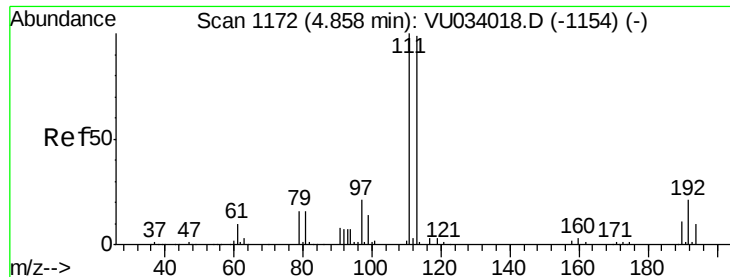
63 21.2 0.0 42.0

88 16.4 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): VU034214.D (-1392) (-)

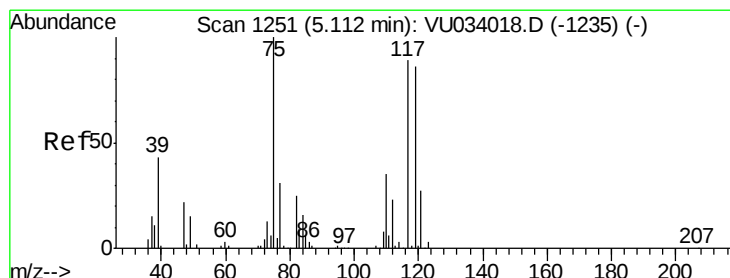
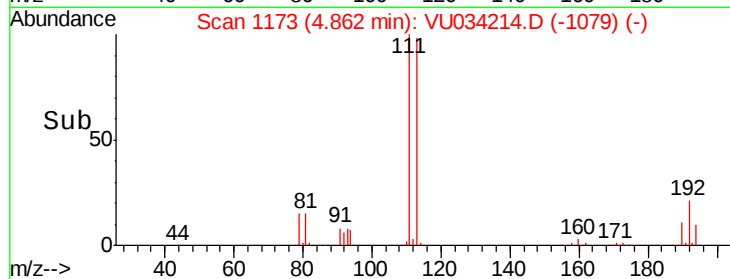
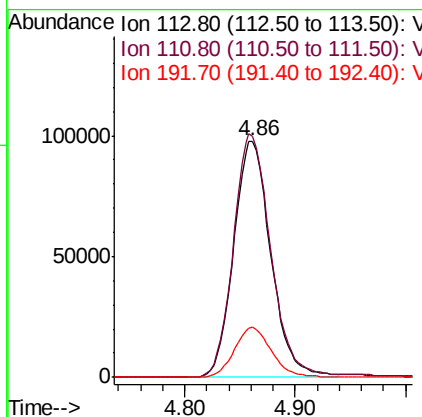
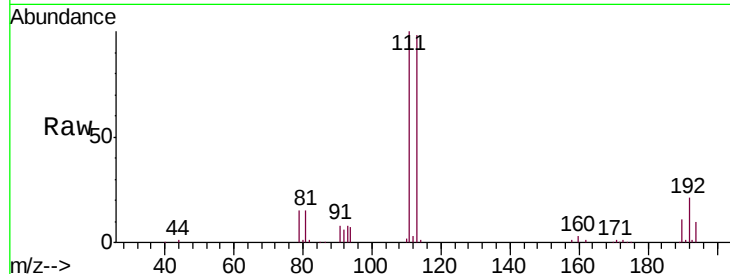




#35
 Dibromofluoromethane
 Concen: 48.386 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034214.D
 Acq: 03 Sep 2019 09:59

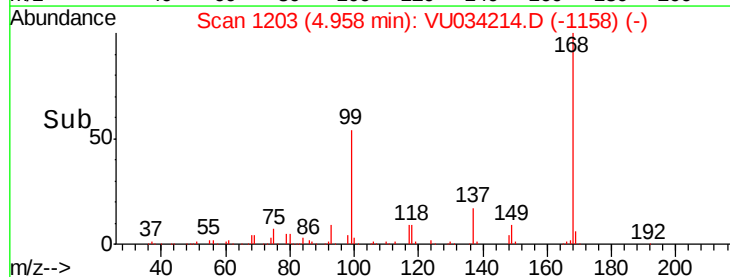
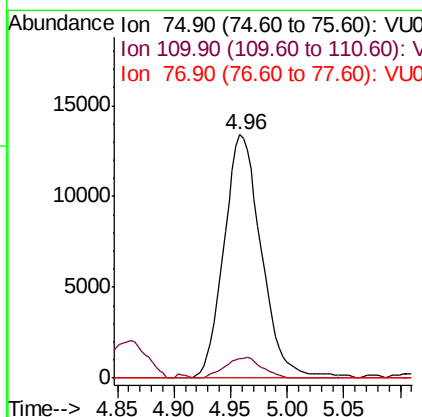
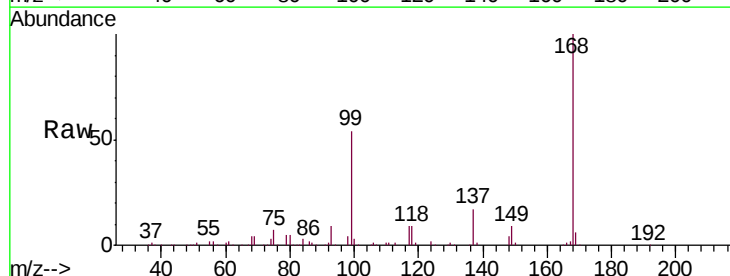
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0904MBL01

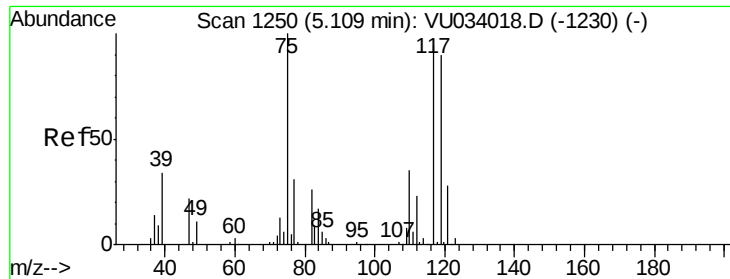
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.7	122.5
192	21.3	17.1	25.7



#36
 1,1-Dichloropropene
 Concen: 4.784 ug/l
 RT: 4.96 min Scan# 1203
 Delta R.T. -0.15 min
 Lab File: VU034214.D
 Acq: 03 Sep 2019 09:59

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





#38

Carbon Tetrachloride

Concen: 6.380 ug/l

RT: 4.96 min Scan# 1203

Delta R.T. -0.15 min

Lab File: VU034214.D

Acq: 03 Sep 2019 09:59

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBL01

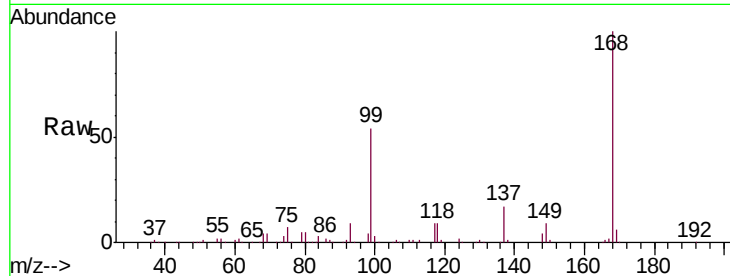
Tgt Ion:117 Resp: 39642

Ion Ratio Lower Upper

117 100

119 6.9 77.0 115.4#

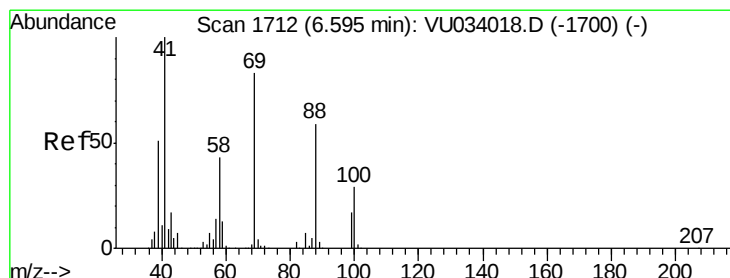
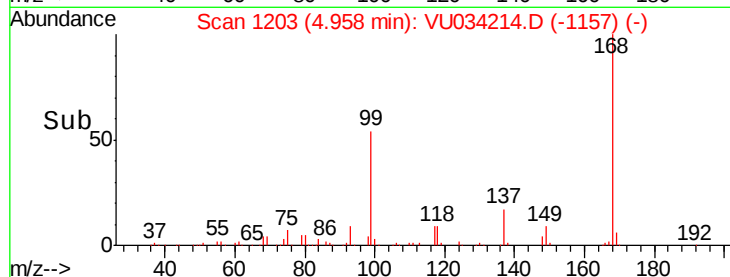
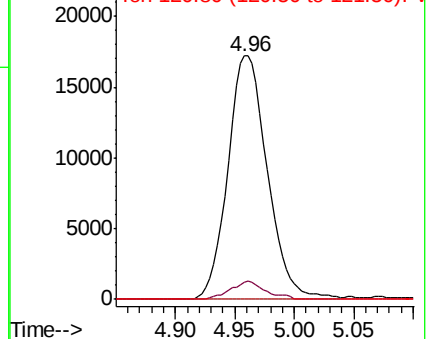
121 0.0 23.9 35.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 1.199 ug/l

RT: 6.62 min Scan# 1719

Delta R.T. 0.02 min

Lab File: VU034214.D

Acq: 03 Sep 2019 09:59

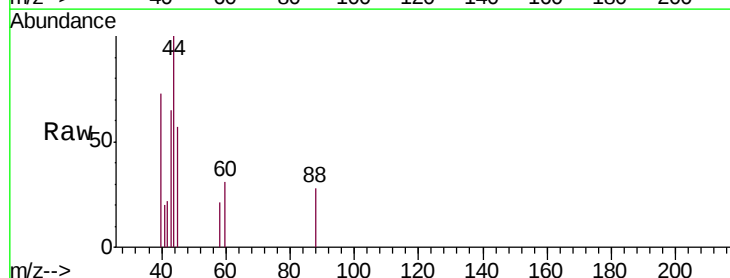
Tgt Ion: 88 Resp: 159

Ion Ratio Lower Upper

88 100

43 50.9 24.8 37.2#

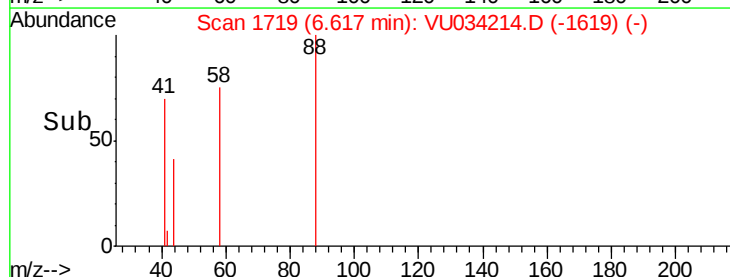
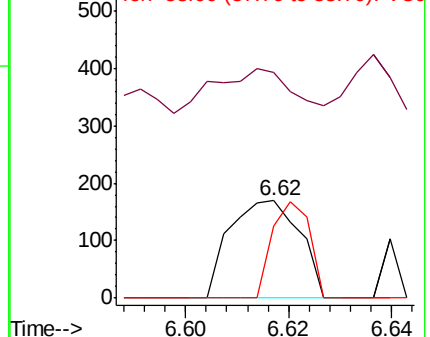
58 52.8 59.3 88.9#

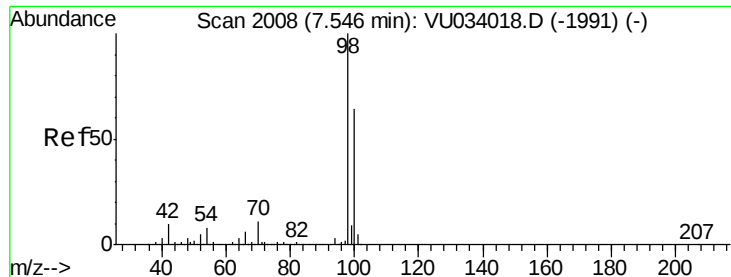


Abundance Ion 88.00 (87.70 to 88.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

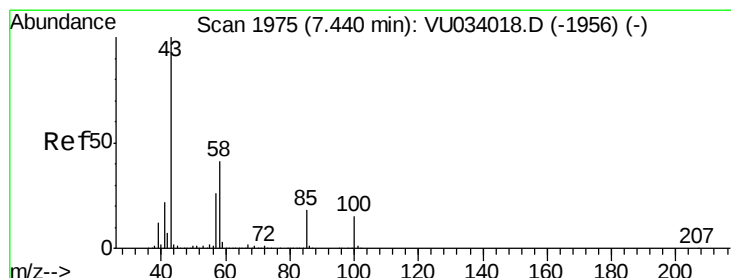
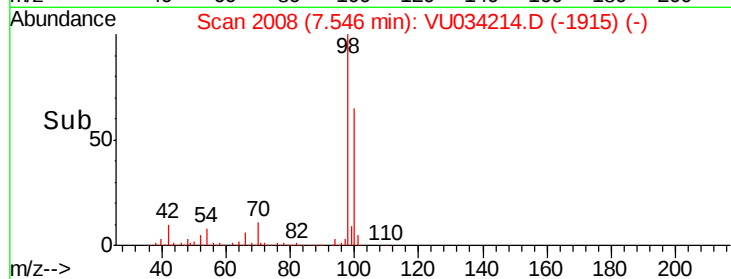
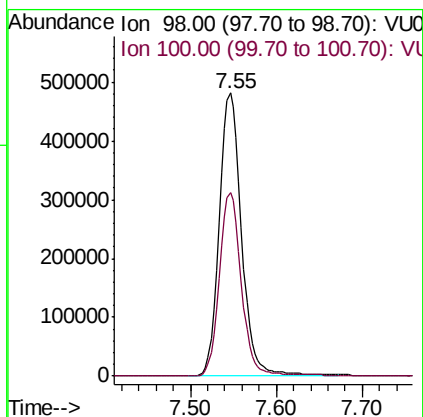
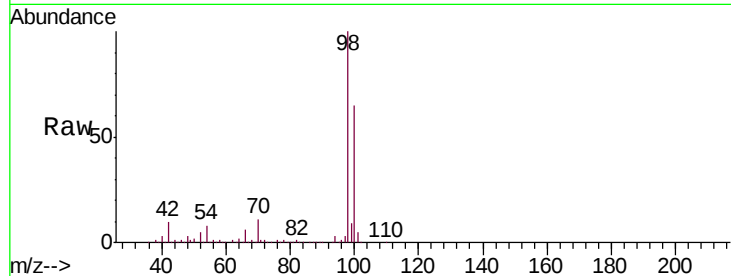




#50
Toluene-d8
Concen: 49.356 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VU034214.D
Acq: 03 Sep 2019 09:59

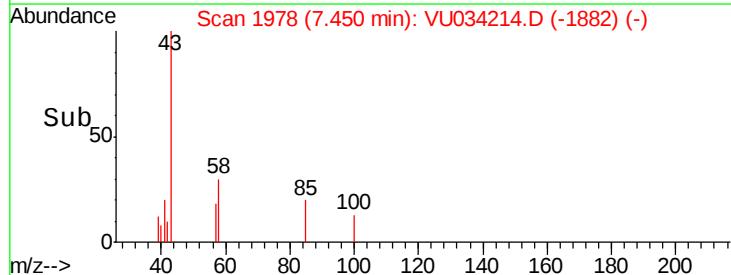
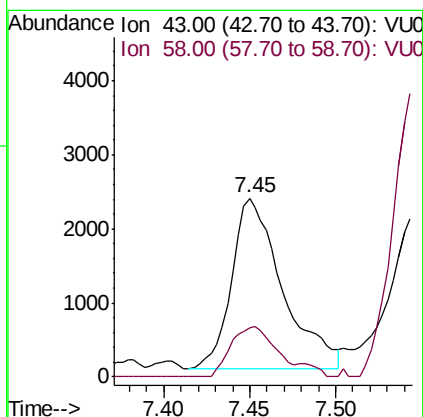
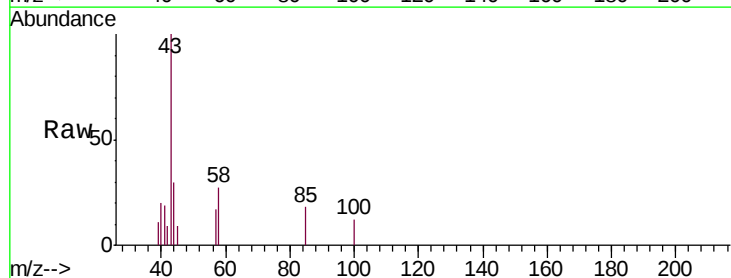
Instrument :
MSVOA_U
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VU0904MBL01

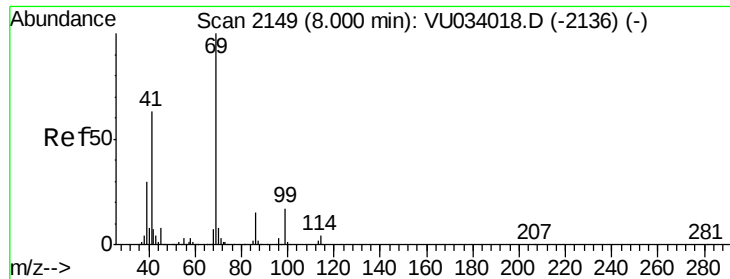
Tgt Ion: 98 Resp: 872263
Ion Ratio Lower Upper
98 100
100 63.9 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 0.622 ug/l
RT: 7.45 min Scan# 1978
Delta R.T. 0.01 min
Lab File: VU034214.D
Acq: 03 Sep 2019 09:59

Tgt Ion: 43 Resp: 4709
Ion Ratio Lower Upper
43 100
58 28.7 32.2 48.4#





#56

Ethyl methacrylate

Concen: 0.998 ug/l

RT: 8.02 min Scan# 2156

Delta R.T. 0.02 min

Lab File: VU034214.D

Acq: 03 Sep 2019 09:59

Instrument :

MSVOA_U

ClientSampleId :

VU0904MBL01

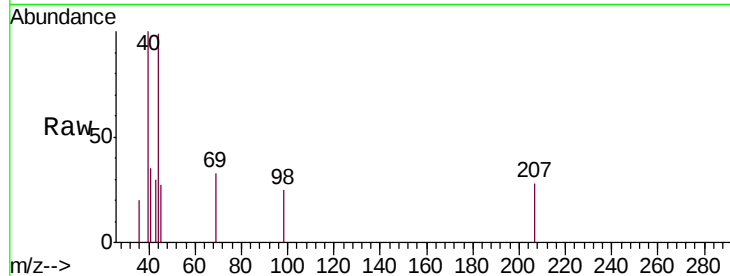
Tgt Ion: 69 Resp: 228

Ion Ratio Lower Upper

69 100

41 65.4 50.7 76.1

39 0.0 24.2 36.2#



Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

250

200

150

100

50

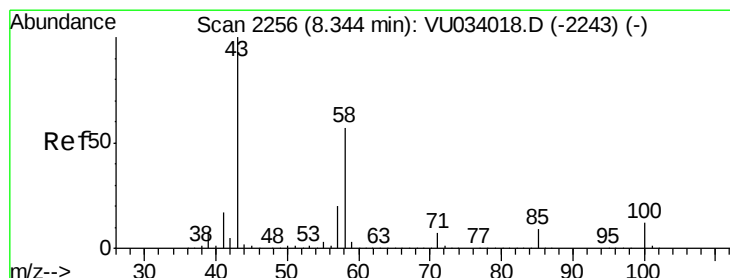
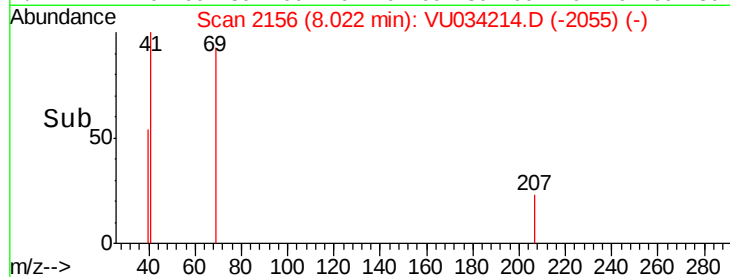
0

8.02

8.04

8.06

Time-->



#59

2-Hexanone

Concen: 0.300 ug/l

RT: 8.37 min Scan# 2263

Delta R.T. 0.02 min

Lab File: VU034214.D

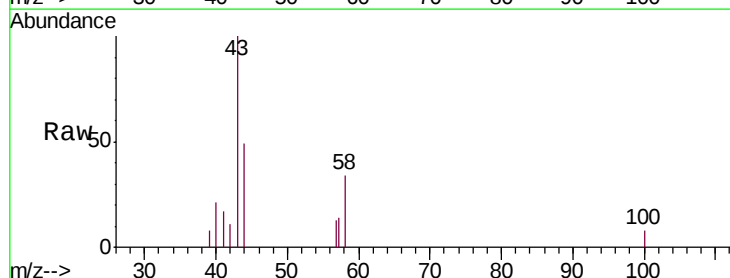
Acq: 03 Sep 2019 09:59

Tgt Ion: 43 Resp: 1713

Ion Ratio Lower Upper

43 100

58 83.8 28.4 85.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

1500

1000

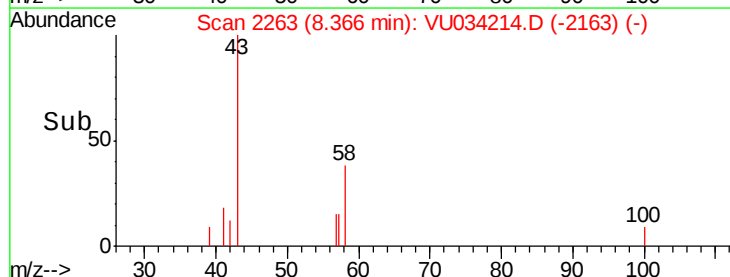
500

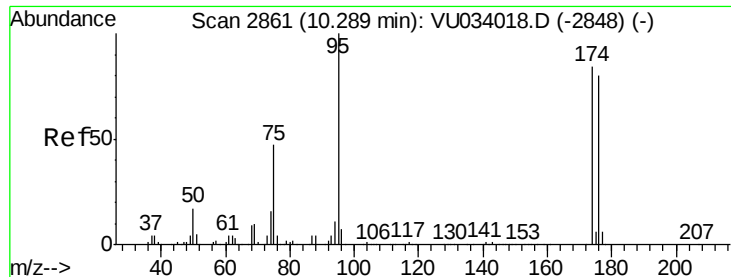
0

8.37

8.38

Time-->

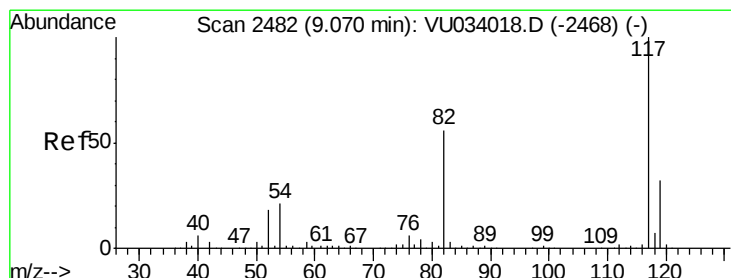
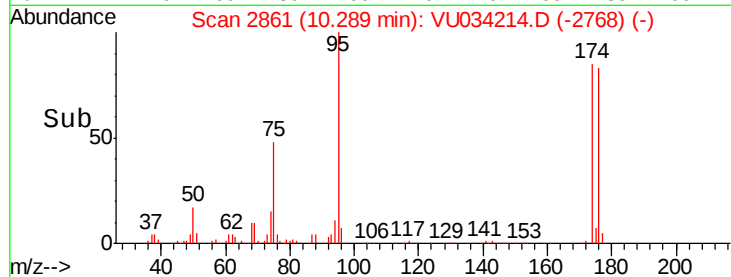
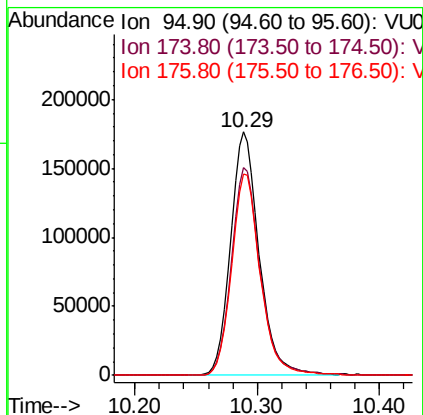
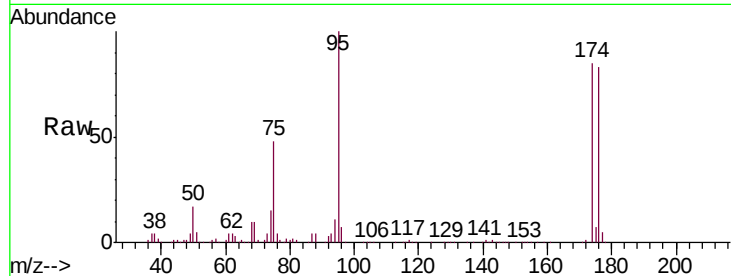




#62
4-Bromofluorobenzene
Concen: 41.932 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. -0.00 min
Lab File: VU034214.D
Acq: 03 Sep 2019 09:59

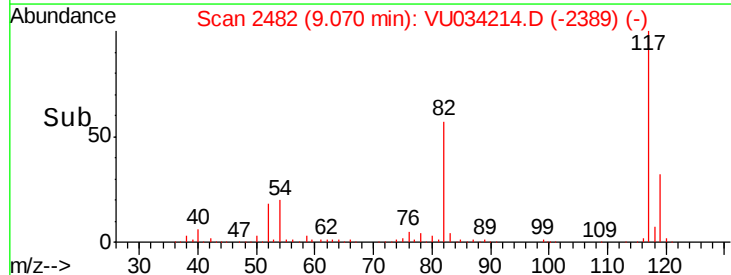
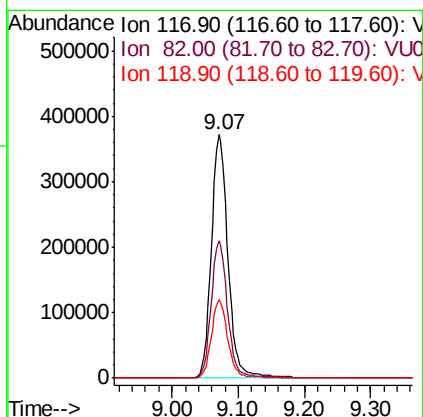
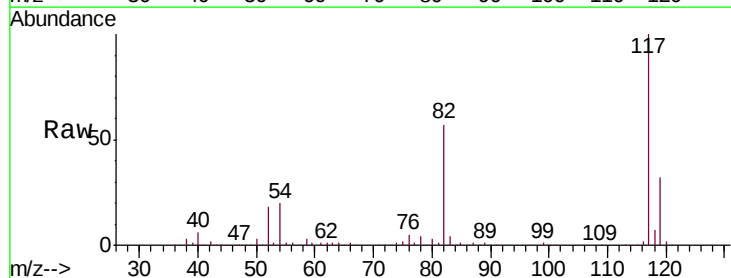
Instrument :
MSVOA_U
ClientSampleId :
VU0904MBL01

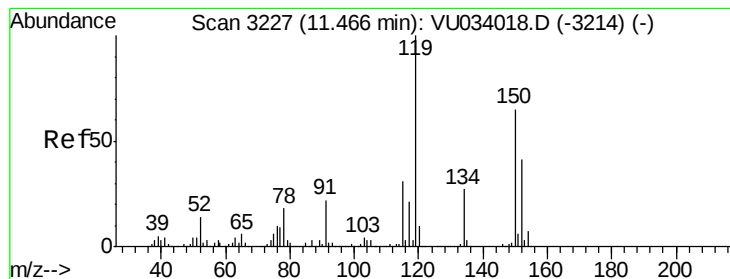
Tgt Ion: 95 Resp: 288268
Ion Ratio Lower Upper
95 100
174 86.6 0.0 168.8
176 83.2 0.0 161.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU034214.D
Acq: 03 Sep 2019 09:59

Tgt Ion: 117 Resp: 648426
Ion Ratio Lower Upper
117 100
82 56.5 45.1 67.7
119 32.2 25.4 38.0



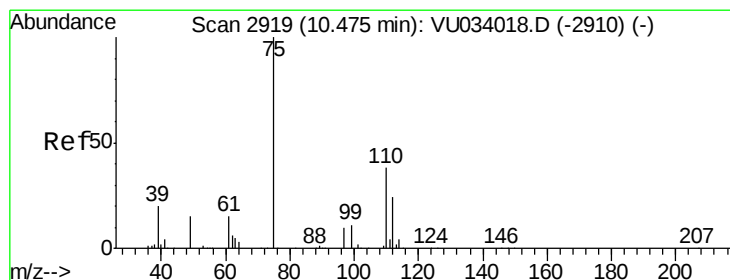
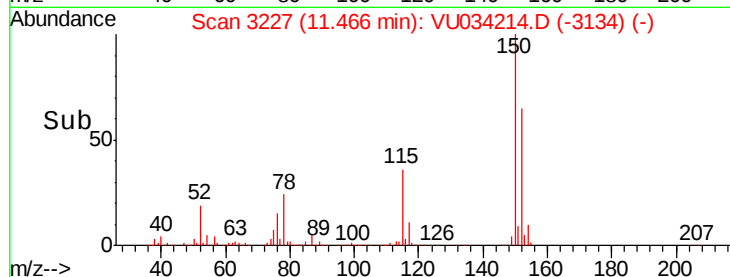
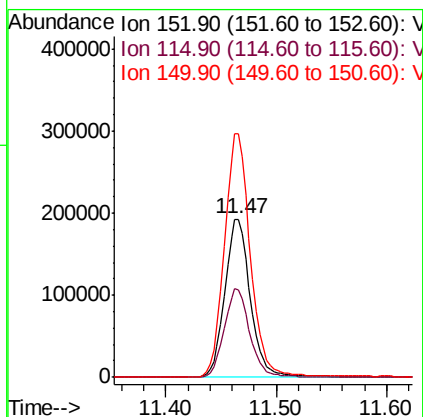
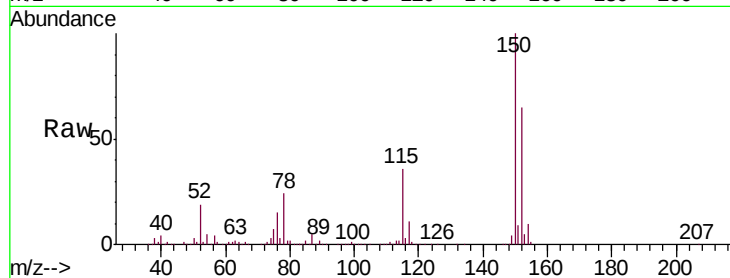


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.47 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VU034214.D
Acq: 03 Sep 2019 09:59

Instrument :
MSVOA_U
ClientSampleId :
VU0904MBL01

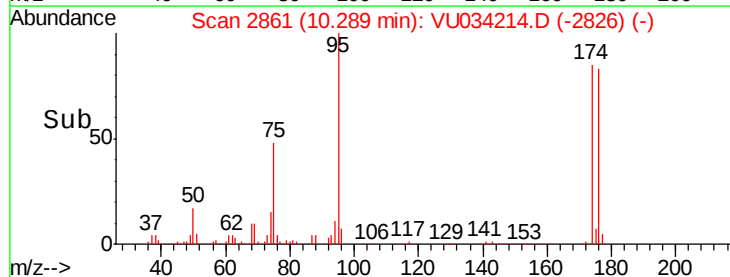
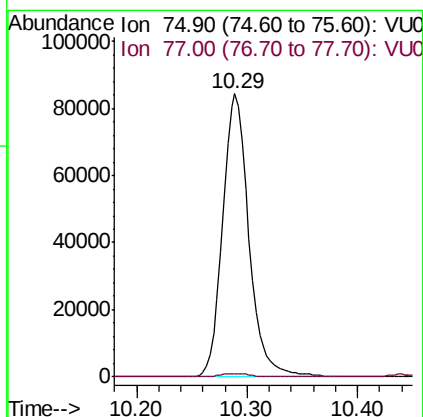
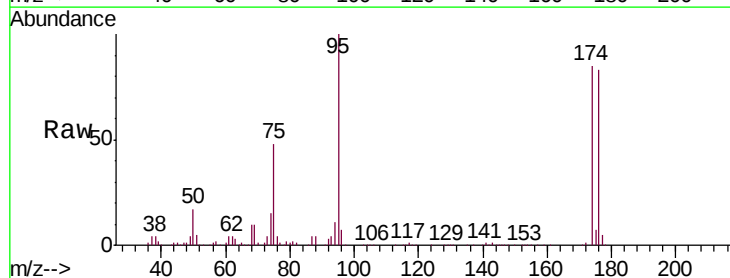
Tgt Ion:152 Resp: 310588
Ion Ratio Lower Upper
152 100
115 56.1 41.1 123.3
150 156.0 0.0 348.8

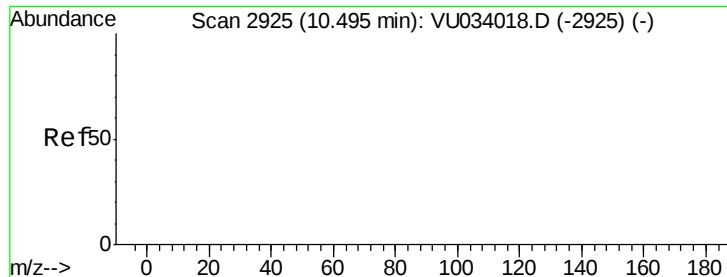


#76

1,2,3-Trichloropropane
Concen: 19.926 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. -0.19 min
Lab File: VU034214.D
Acq: 03 Sep 2019 09:59

Tgt Ion: 75 Resp: 139483
Ion Ratio Lower Upper
75 100
77 1.3 20.1 60.2#

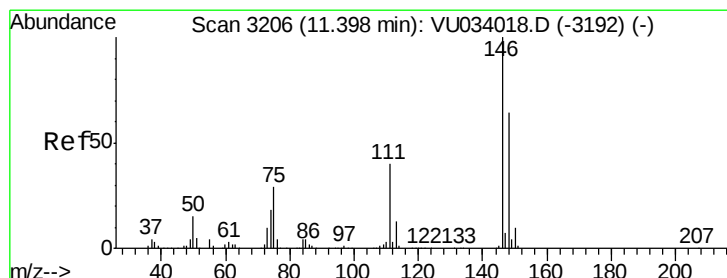
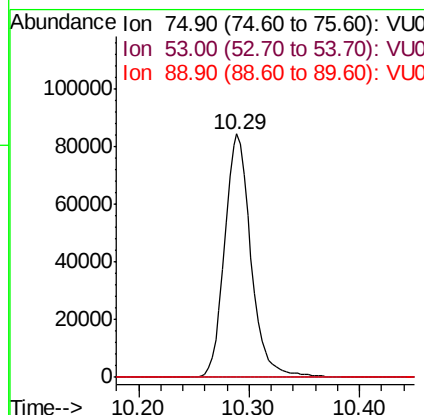
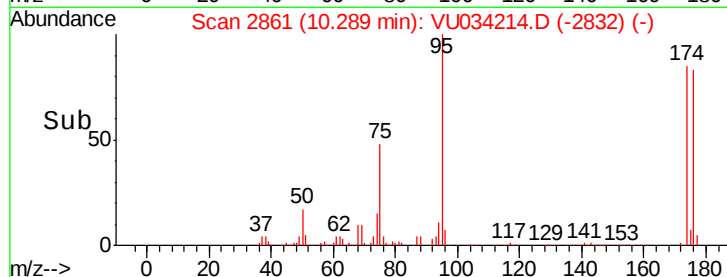
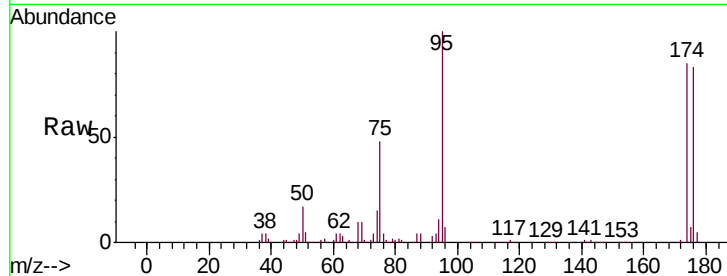




#81
trans-1,4-Dichloro-2-butene
Concen: 67.095 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. -0.21 min
Lab File: VU034214.D
Acq: 03 Sep 2019 09:59

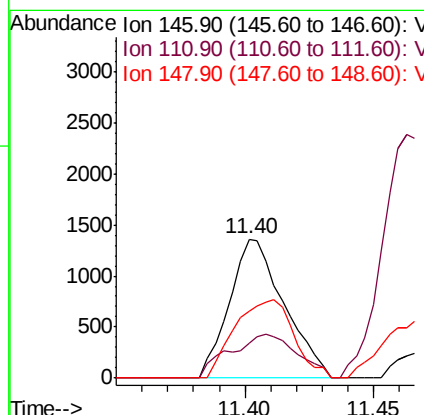
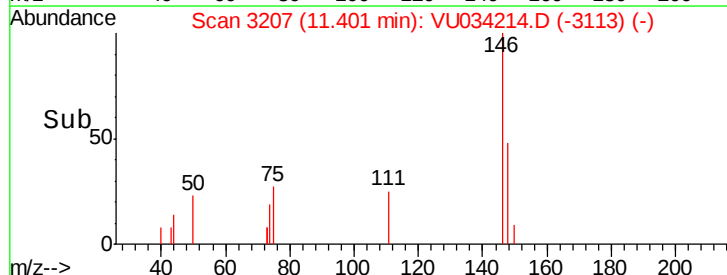
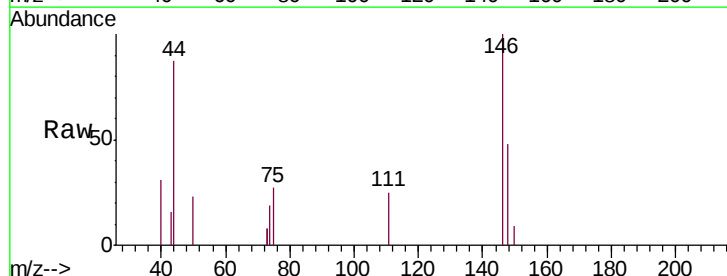
Instrument :
MSVOA_U
ClientSampleId :
VU0904MBL01

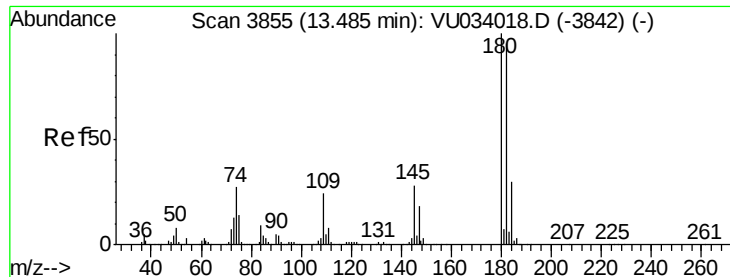
Tgt Ion: 75 Resp: 139483
Ion Ratio Lower Upper
75 100
53 0.2 0.0 0.0#
89 0.0 0.0 0.0



#87
1,3-Dichlorobenzene
Concen: 0.201 ug/l
RT: 11.40 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU034214.D
Acq: 03 Sep 2019 09:59

Tgt Ion: 146 Resp: 1995
Ion Ratio Lower Upper
146 100
111 39.1 19.9 59.6
148 61.1 31.9 95.5

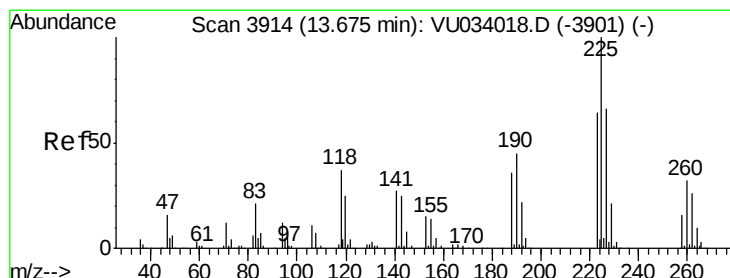
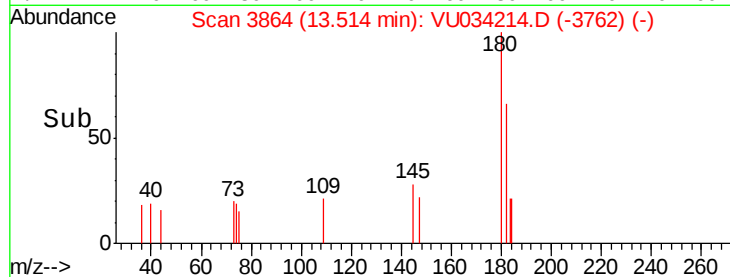
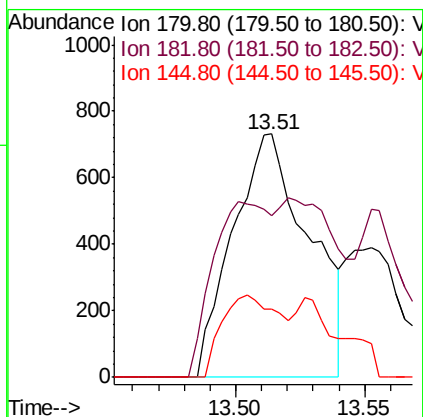
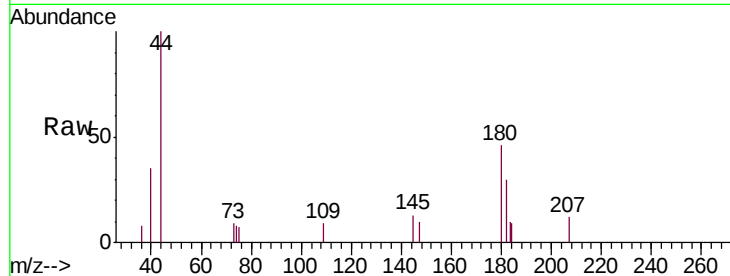




#93
 1,2,4-Trichlorobenzene
 Concen: 1.331 ug/l
 RT: 13.51 min Scan# 3864
 Delta R.T. 0.03 min
 Lab File: VU034214.D
 Acq: 03 Sep 2019 09:59

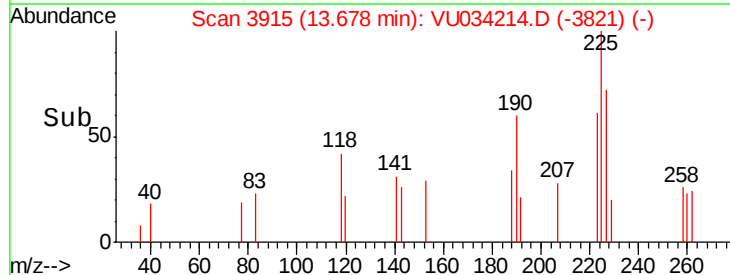
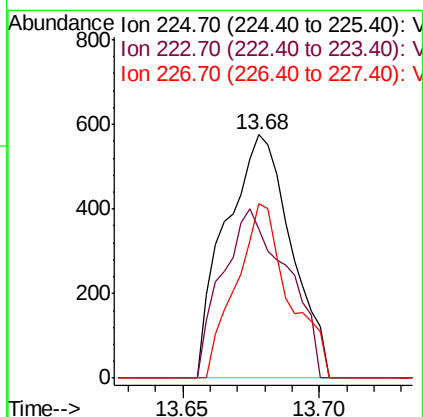
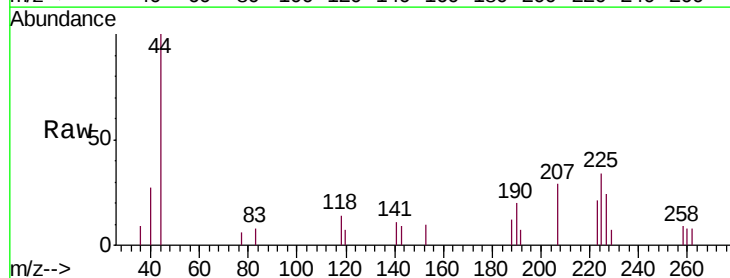
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0904MBL01

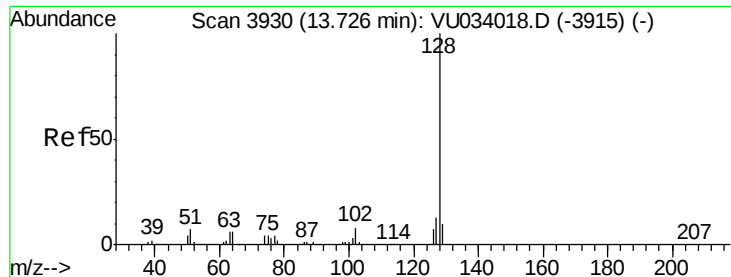
Tgt Ion:180 Resp: 1506
 Ion Ratio Lower Upper
 180 100
 182 54.1 47.4 142.2
 145 25.4 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 0.258 ug/l
 RT: 13.68 min Scan# 3915
 Delta R.T. 0.00 min
 Lab File: VU034214.D
 Acq: 03 Sep 2019 09:59

Tgt Ion:225 Resp: 961
 Ion Ratio Lower Upper
 225 100
 223 69.1 31.8 95.3
 227 58.0 32.6 97.8

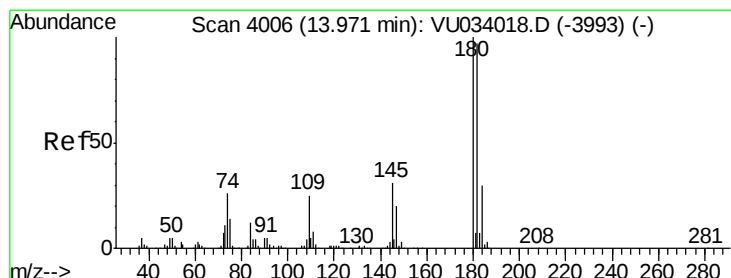
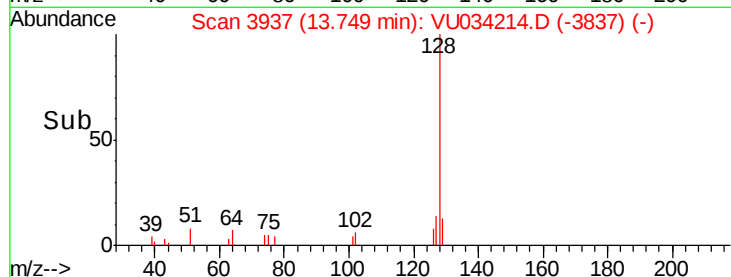
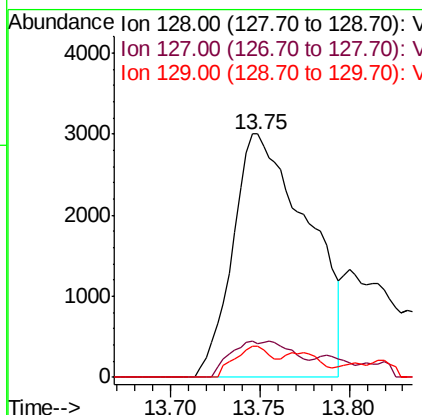
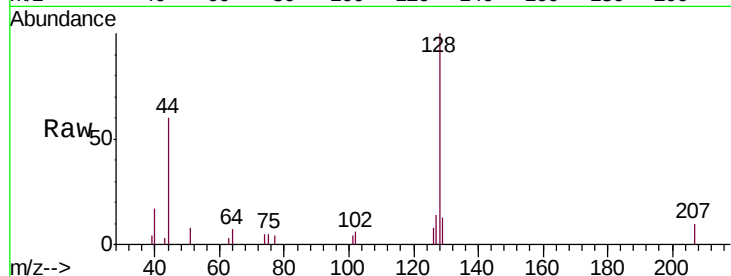




#95
Naphthalene
Concen: 2.226 ug/l
RT: 13.75 min Scan# 3937
Delta R.T. 0.02 min
Lab File: VU034214.D
Acq: 03 Sep 2019 09:59

Instrument :
MSVOA_U
ClientSampleId :
VU0904MBL01

Tgt Ion:128 Resp: 8777
Ion Ratio Lower Upper
128 100
127 5.8 10.2 15.4#
129 6.0 8.4 12.6#



#96
1,2,3-Trichlorobenzene
Concen: 0.463 ug/l
RT: 13.99 min Scan# 4012
Delta R.T. 0.02 min
Lab File: VU034214.D
Acq: 03 Sep 2019 09:59

Tgt Ion:180 Resp: 2820
Ion Ratio Lower Upper
180 100
182 44.5 48.2 144.6#
145 31.9 15.5 46.5

