

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083019\
 Data File : VU034053.D
 Acq On : 29 Aug 2019 11:48
 Operator : JC/SP
 Sample : VU0830MBL01
 Misc : 5.00µ/10mL/100µL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 29 13:47:04 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	438258	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	698939	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	655880	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	309474	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	284759	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
35) Dibromofluoromethane	4.86	113	235673	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
50) Toluene-d8	7.55	98	873418	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	
62) 4-Bromofluorobenzene	10.29	95	292247	41.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.78%	

Target Compounds

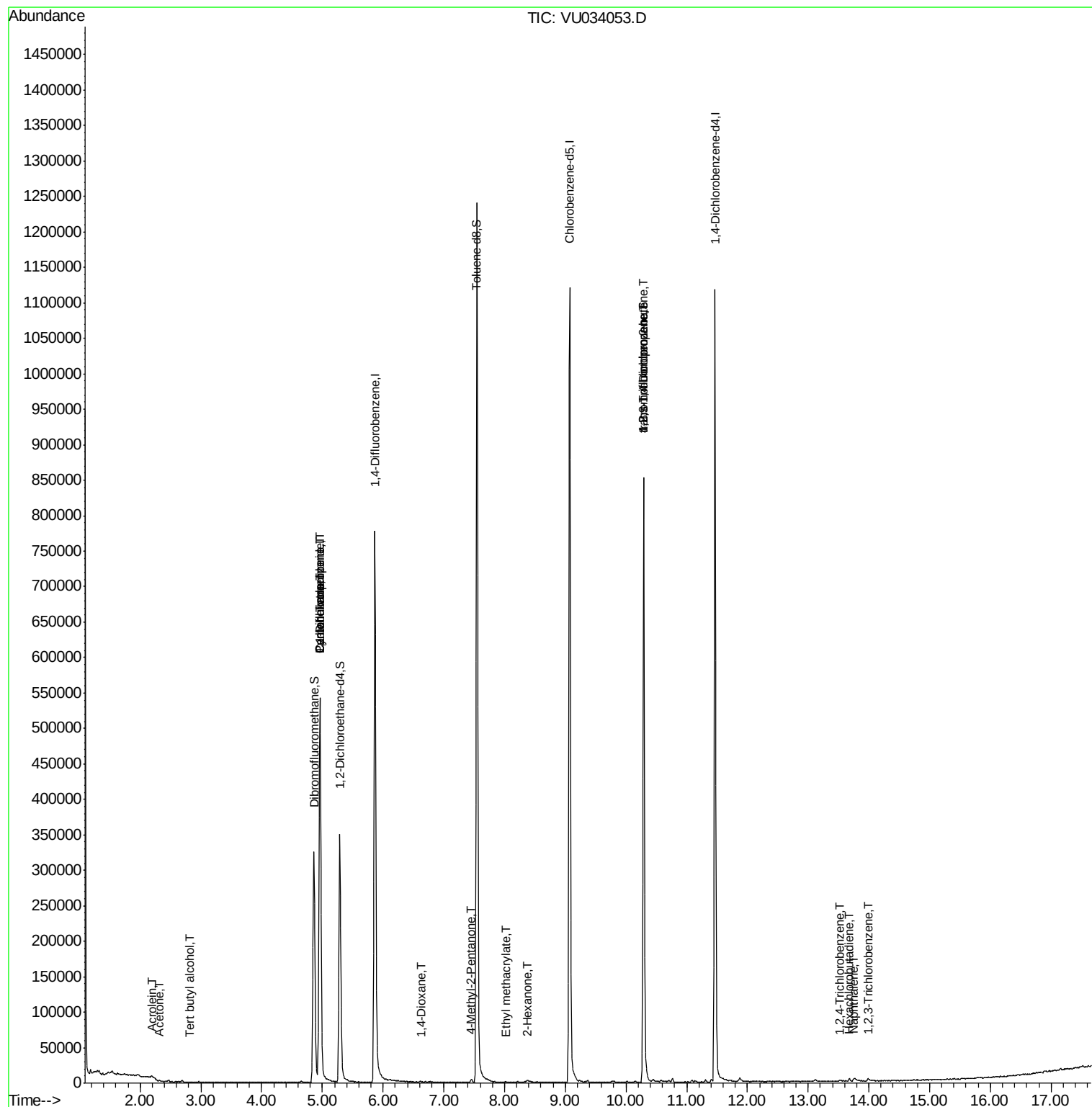
					Qvalue	
3) Chloromethane	1.32	50	2358	Below Cal		94
5) Bromomethane	1.63	94	1549	Below Cal		91
11) Tert butyl alcohol	2.82	59	303	0.234	ug/l #	73
13) Acrolein	2.19	56	315	0.578	ug/l	93
16) Acetone	2.31	43	1387	0.484	ug/l #	84
31) Cyclohexane	4.96	56	8562	1.021	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	32226	4.875	ug/l #	48
38) Carbon Tetrachloride	4.96	117	40823	6.397	ug/l #	16
49) 1,4-Dioxane	6.61	88	67	0.492	ug/l #	1
51) 4-Methyl-2-Pentanone	7.45	43	3643	0.468	ug/l #	85
56) Ethyl methacrylate	8.02	69	299	1.005	ug/l #	82
59) 2-Hexanone	8.38	43	2219	0.378	ug/l	96
76) 1,2,3-Trichloropropane	10.29	75	142478	20.427	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.29	75	142478	68.782	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.52	180	1287	1.300	ug/l	83
94) Hexachlorobutadiene	13.68	225	1103	0.297	ug/l	87
95) Naphthalene	13.76	128	6817	2.130	ug/l #	74
96) 1,2,3-Trichlorobenzene	13.99	180	1517	0.250	ug/l	69

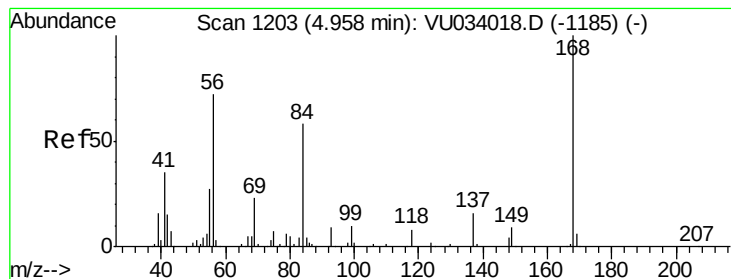
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU034053.D

Acq: 29 Aug 2019 11:48

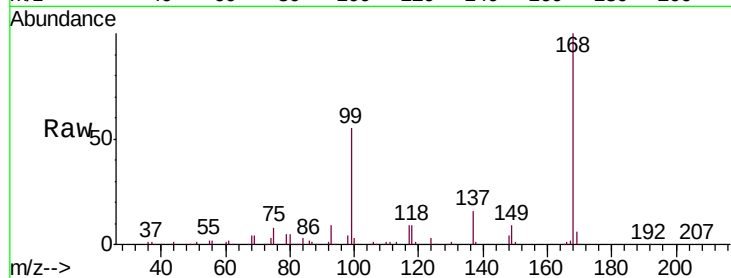
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 438258

Ion Ratio Lower Upper

168 100

99 55.0 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

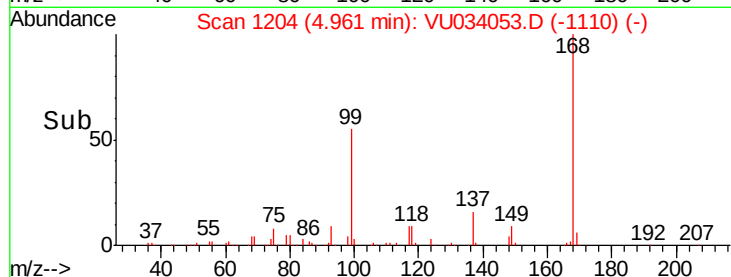
150000

100000

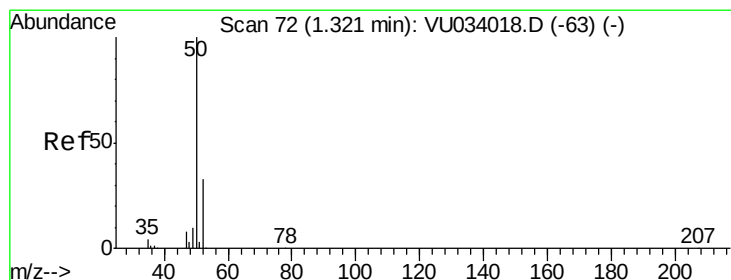
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034053.D

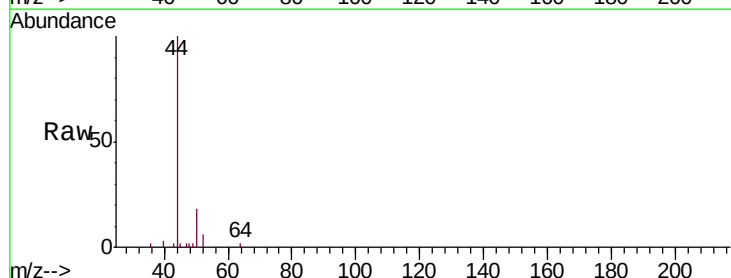
Acq: 29 Aug 2019 11:48

Tgt Ion: 50 Resp: 2358

Ion Ratio Lower Upper

50 100

52 36.0 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

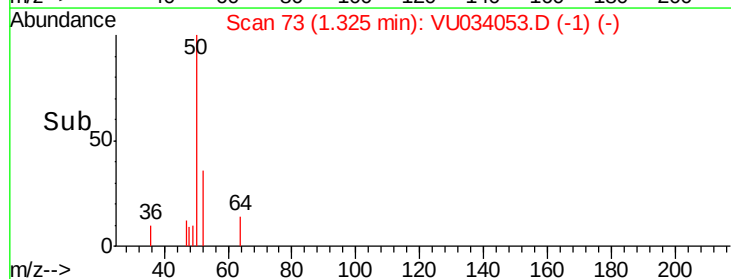
1500

1000

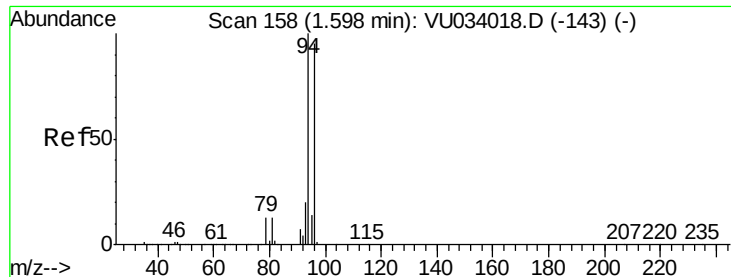
500

0

Time-->



Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 167

Delta R.T. 0.03 min

Lab File: VU034053.D

Acq: 29 Aug 2019 11:48

Instrument :

MSVOA_U

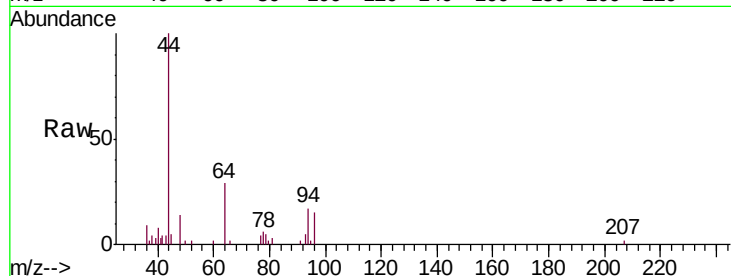
ClientSampled :

Tot Ion: 94 Resp: 1549

Ion Ratio Lower Upper

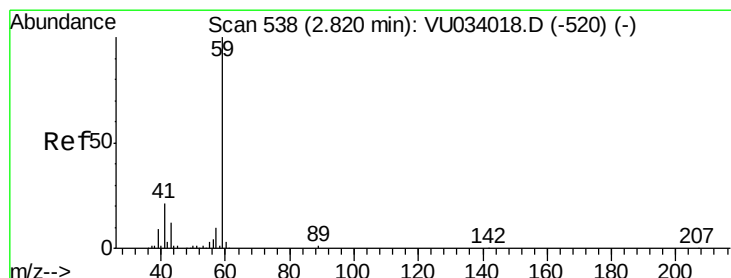
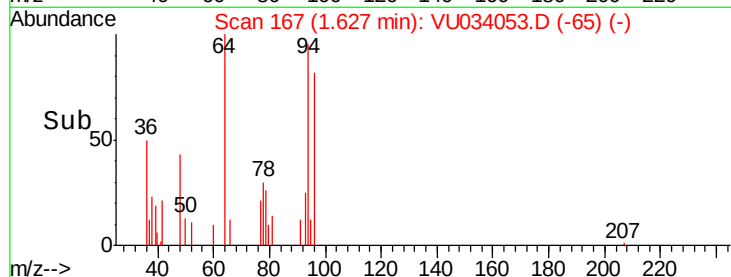
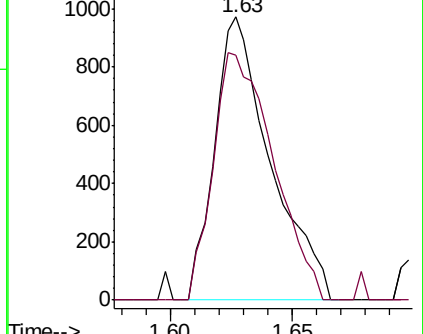
94 100

96 86.5 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: 0.234 ug/l

RT: 2.82 min Scan# 537

Delta R.T. -0.00 min

Lab File: VU034053.D

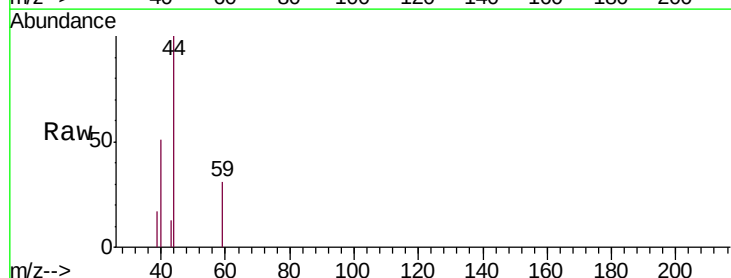
Acq: 29 Aug 2019 11:48

Tgt Ion: 59 Resp: 303

Ion Ratio Lower Upper

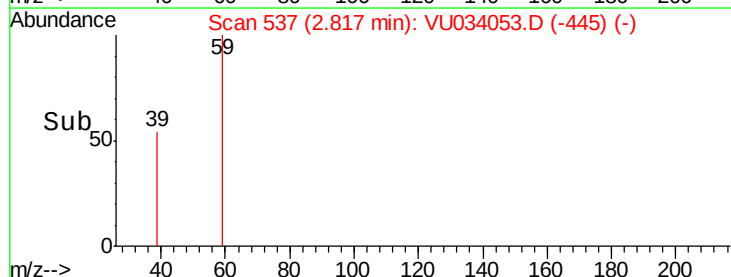
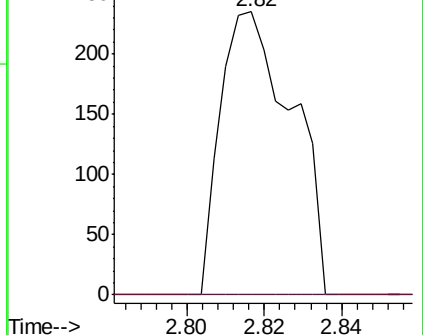
59 100

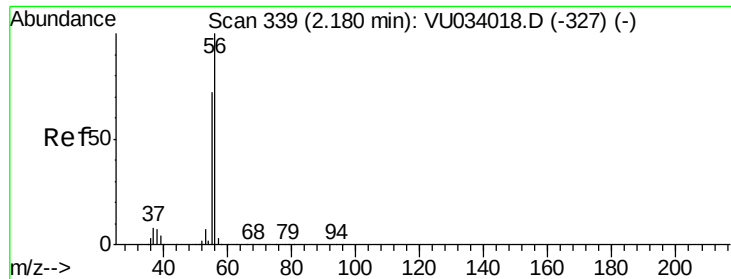
57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

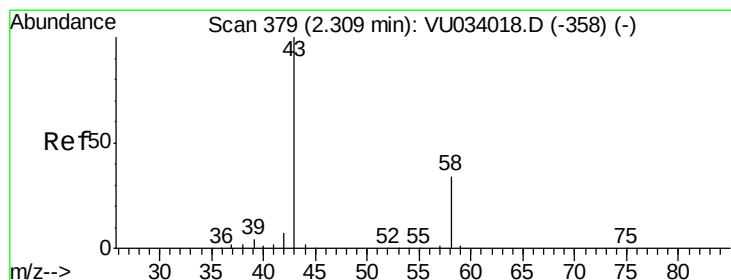
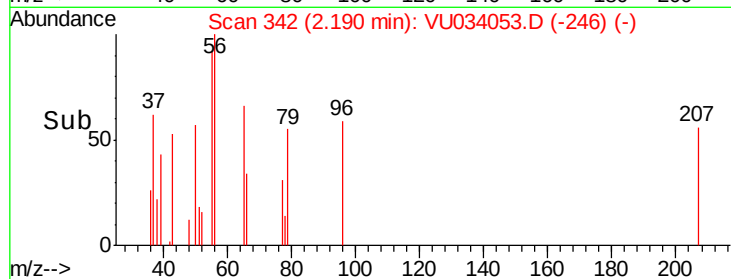
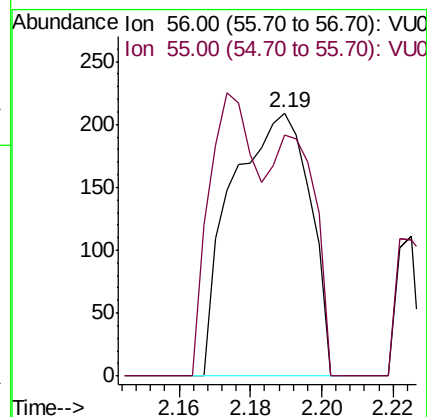
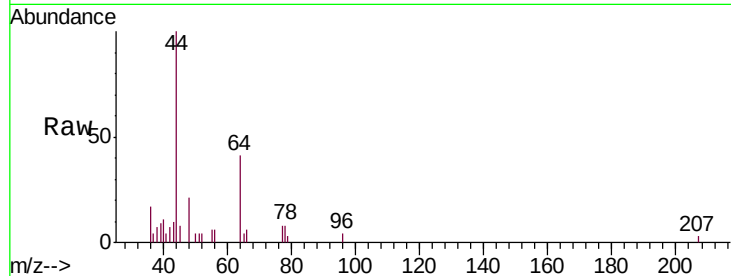




#13
Acrolein
Concen: 0.578 ug/l
RT: 2.19 min Scan# 342
Delta R.T. 0.01 min
Lab File: VU034053.D
Acq: 29 Aug 2019 11:48

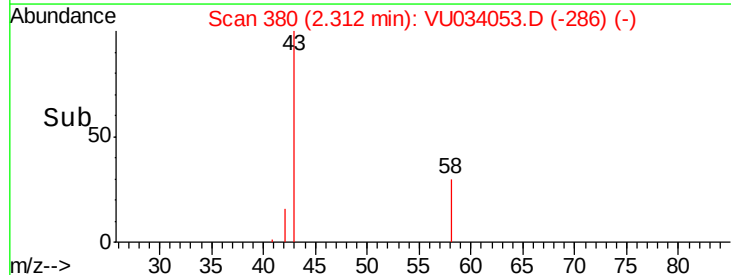
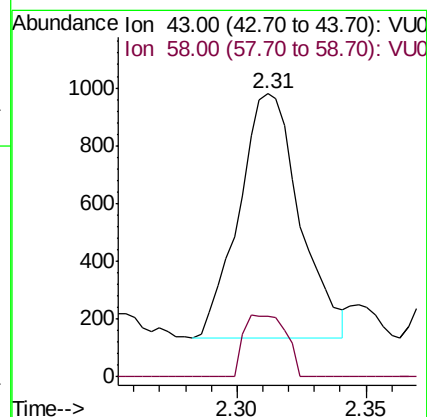
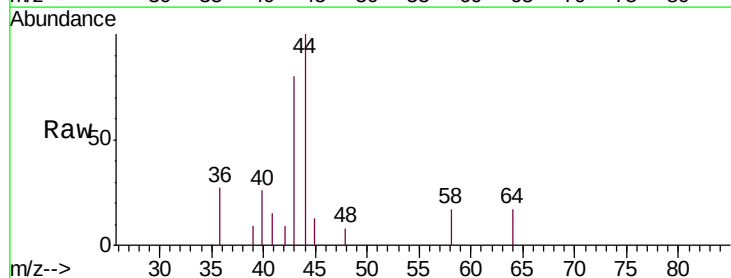
Instrument :
MSVOA_U
ClientSampleId :

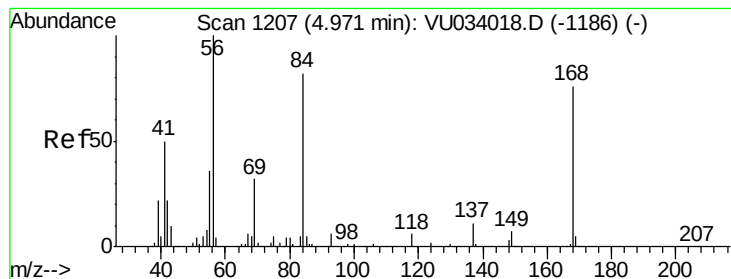
Tot Ion: 56 Resp: 315
Ion Ratio Lower Upper
56 100
55 65.7 57.1 85.7



#16
Acetone
Concen: 0.484 ug/l
RT: 2.31 min Scan# 380
Delta R.T. 0.00 min
Lab File: VU034053.D
Acq: 29 Aug 2019 11:48

Tgt Ion: 43 Resp: 1387
Ion Ratio Lower Upper
43 100
58 24.6 26.8 40.2#





#31

Cyclohexane

Concen: 1.021 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VU034053.D

Acq: 29 Aug 2019 11:48

Instrument :
MSVOA_U
ClientSampled :

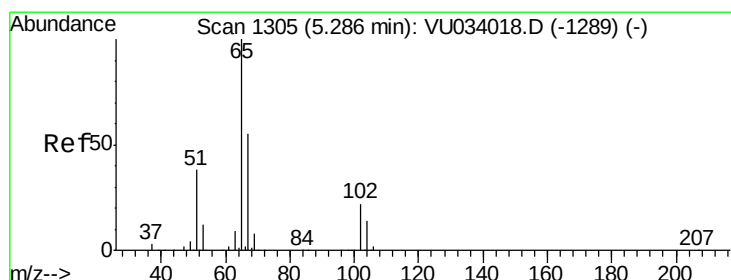
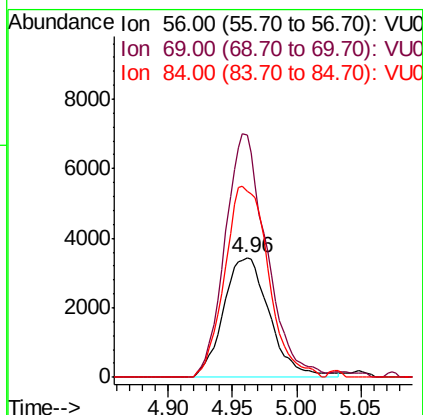
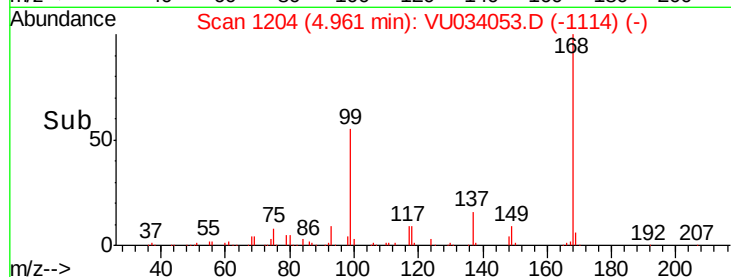
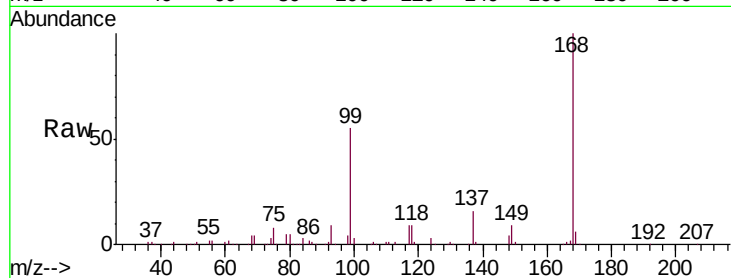
Tot Ion: 56 Resp: 8562

Ion Ratio Lower Upper

56 100

69 202.7 25.4 38.0#

84 155.6 65.8 98.8#



#33

1,2-Dichloroethane-d4

Concen: 50.709 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU034053.D

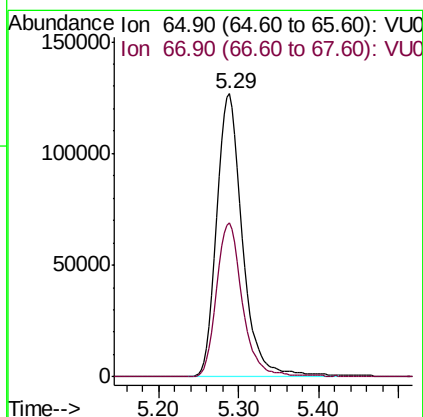
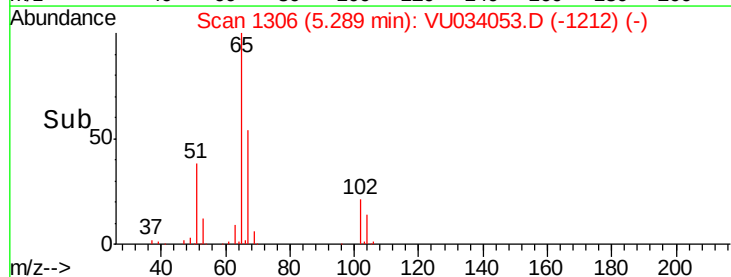
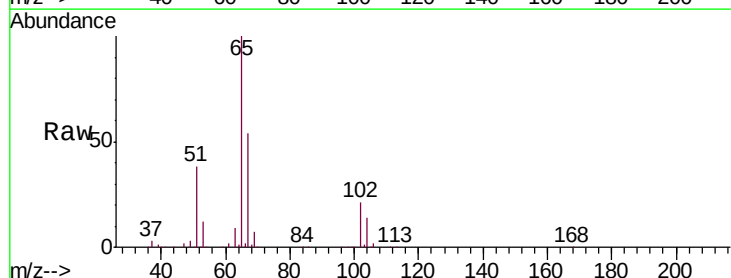
Acq: 29 Aug 2019 11:48

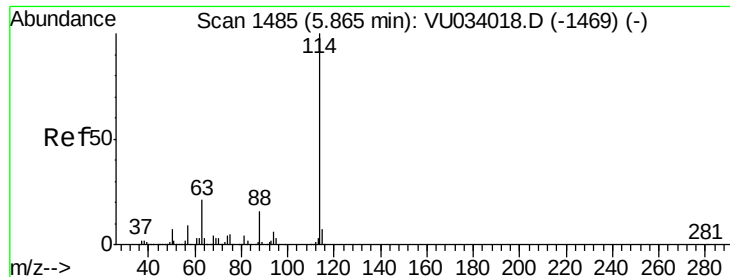
Tgt Ion: 65 Resp: 284759

Ion Ratio Lower Upper

65 100

67 54.5 0.0 110.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VU034053.D

Acq: 29 Aug 2019 11:48

Instrument :

MSVOA_U

ClientSampleId :

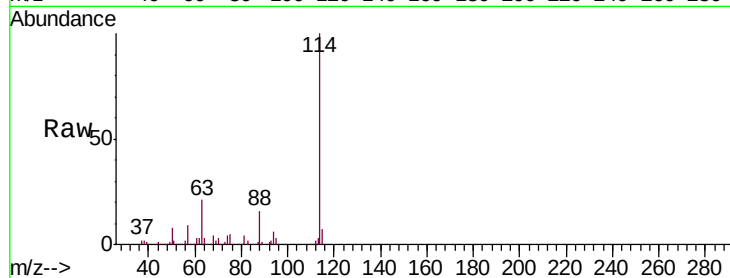
Tot Ion:114 Resp: 698939

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.0

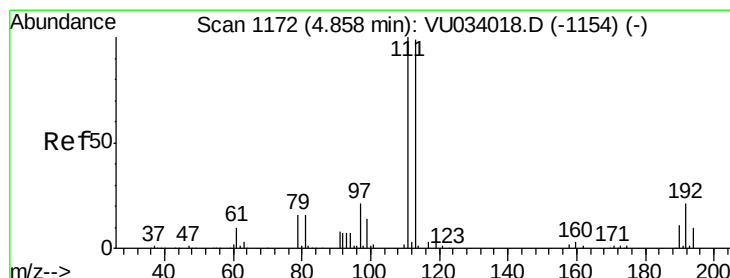
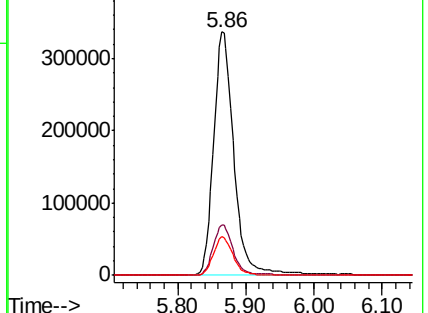
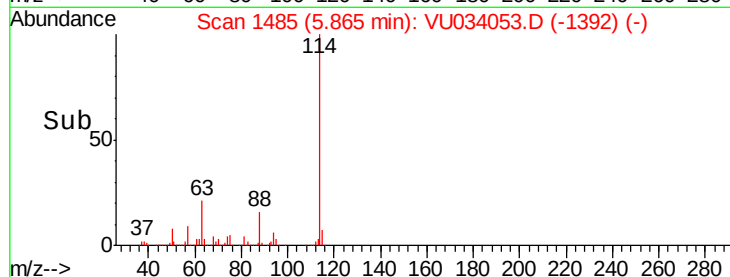
88 15.7 0.0 32.0



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: 48.615 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034053.D

Acq: 29 Aug 2019 11:48

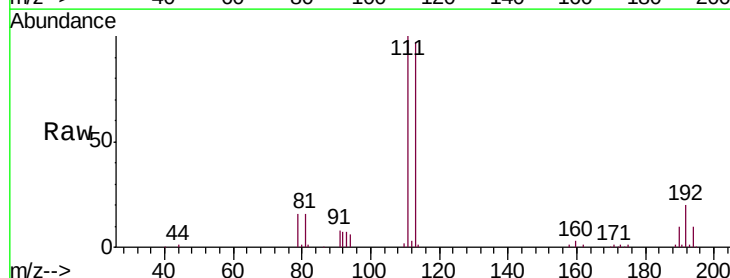
Tgt Ion:113 Resp: 235673

Ion Ratio Lower Upper

113 100

111 101.7 81.7 122.5

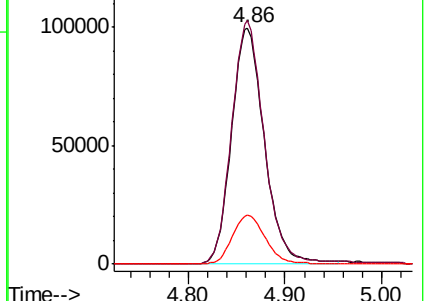
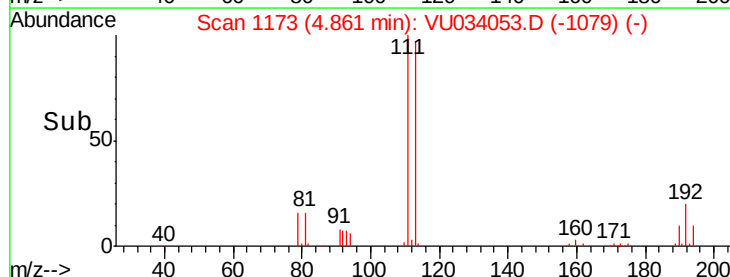
192 20.9 17.1 25.7

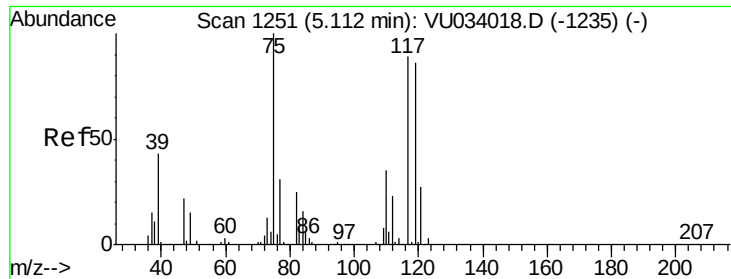


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

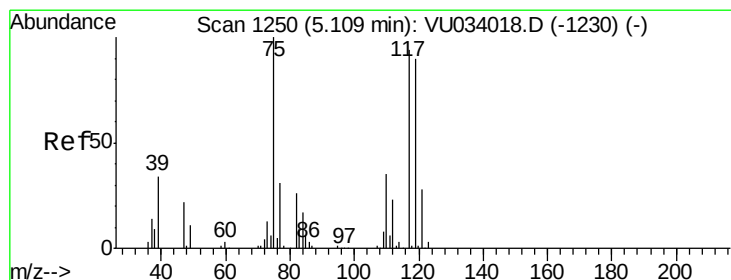
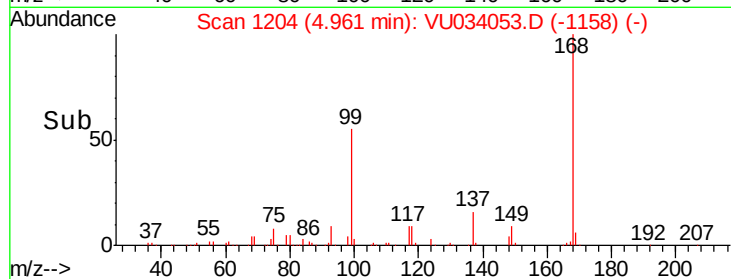
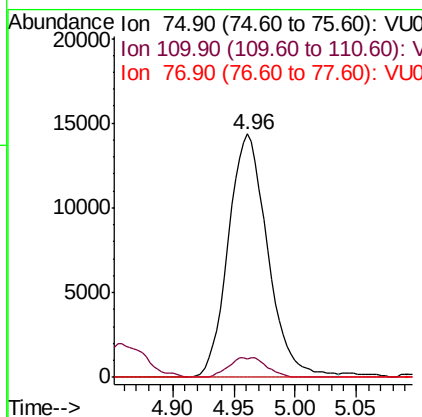
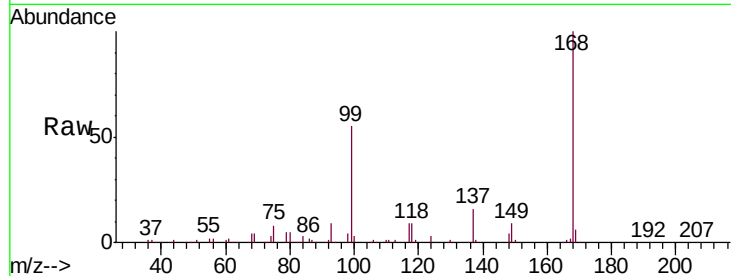




#36
 1,1-Dichloropropene
 Concen: 4.875 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034053.D
 Acq: 29 Aug 2019 11:48

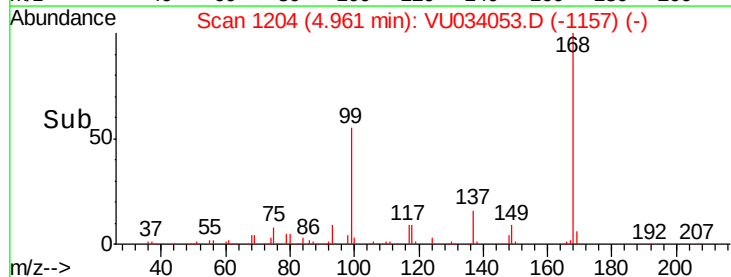
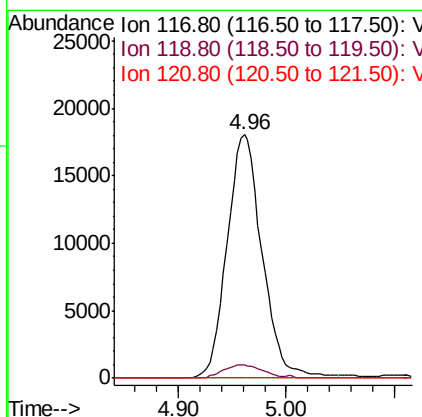
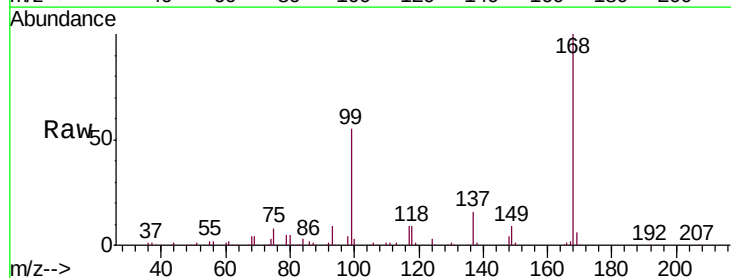
Instrument :
 MSVOA_U
 ClientSampleId :

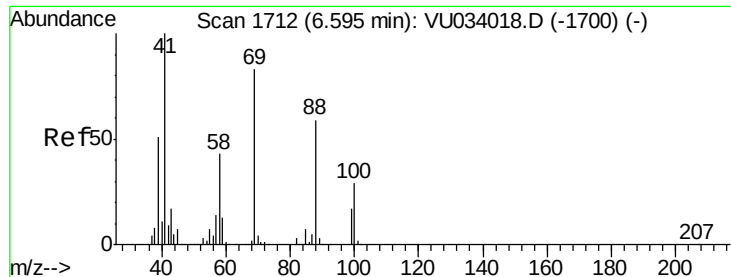
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.8	17.8	53.5#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.397 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034053.D
 Acq: 29 Aug 2019 11:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	77.0	115.4#
121	0.0	23.9	35.9#





#49

1,4-Dioxane

Concen: 0.492 ug/l

RT: 6.61 min Scan# 1718

Delta R.T. 0.02 min

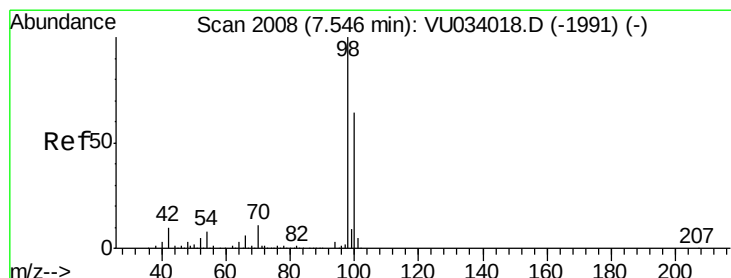
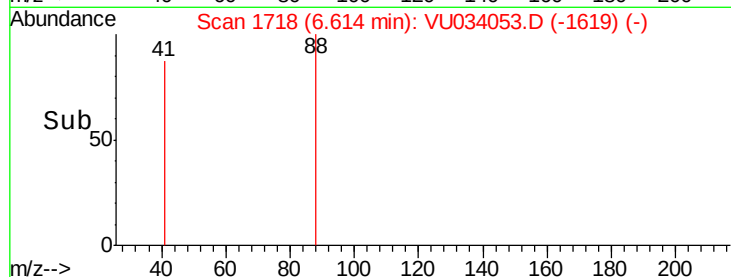
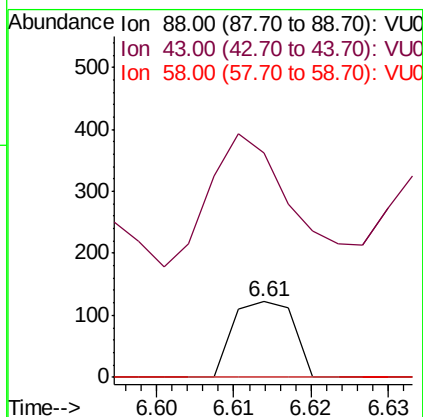
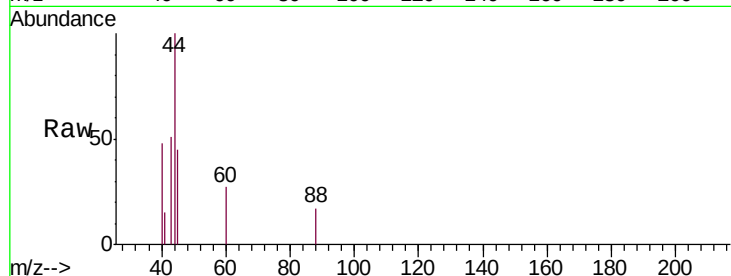
Lab File: VU034053.D

Acq: 29 Aug 2019 11:48

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 88 Resp: 67

Ion	Ratio	Lower	Upper
88	100		
43	232.8	24.8	37.2#
58	0.0	59.3	88.9#



#50

Toluene-d8

Concen: 48.117 ug/l

RT: 7.55 min Scan# 2008

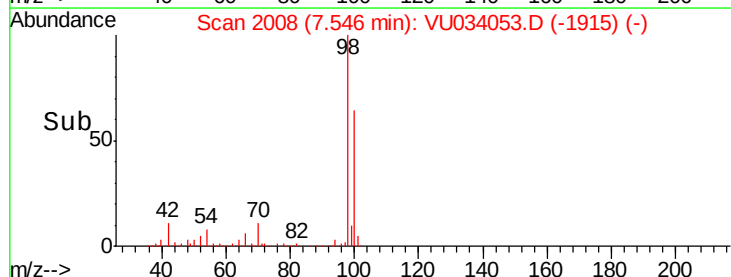
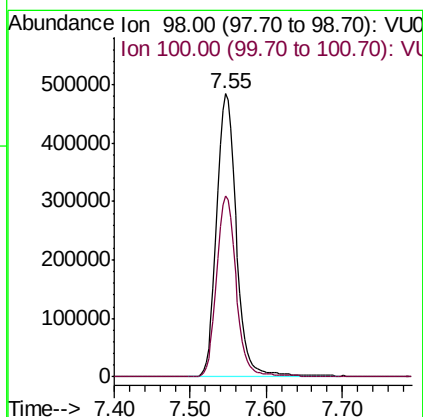
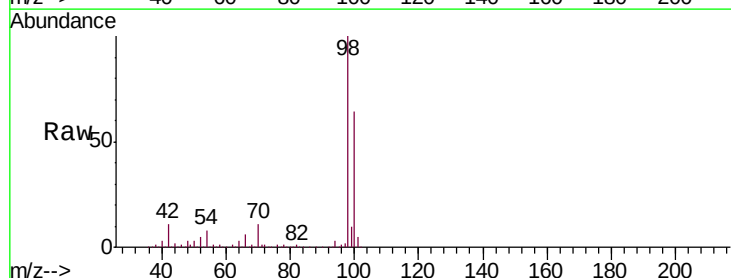
Delta R.T. -0.00 min

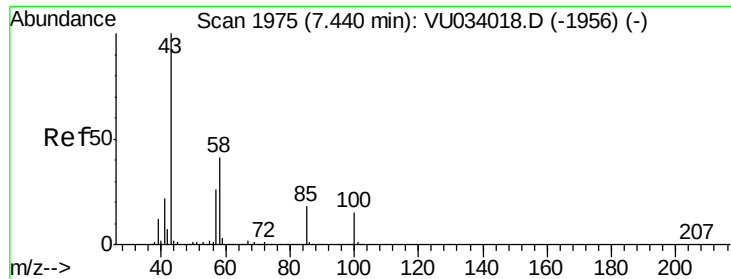
Lab File: VU034053.D

Acq: 29 Aug 2019 11:48

Tgt Ion: 98 Resp: 873418

Ion	Ratio	Lower	Upper
98	100		
100	63.2	50.3	75.5

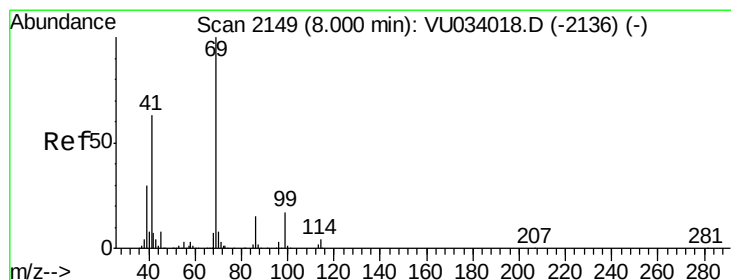
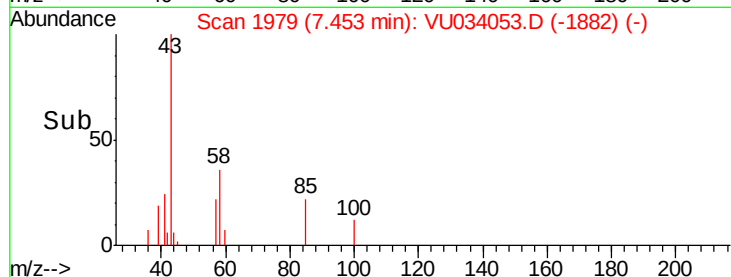
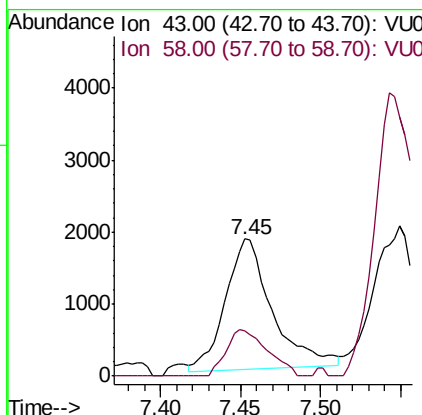
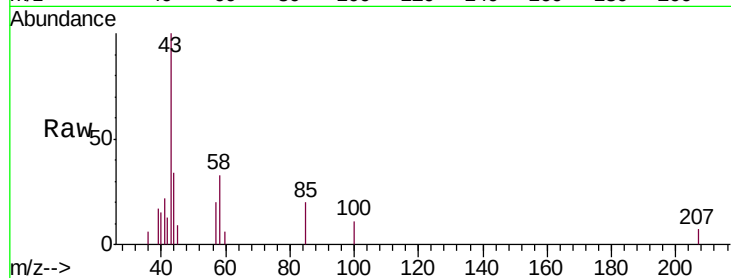




#51
 4-Methyl-2-Pentanone
 Concen: 0.468 ug/l
 RT: 7.45 min Scan# 1979
 Delta R.T. 0.01 min
 Lab File: VU034053.D
 Acq: 29 Aug 2019 11:48

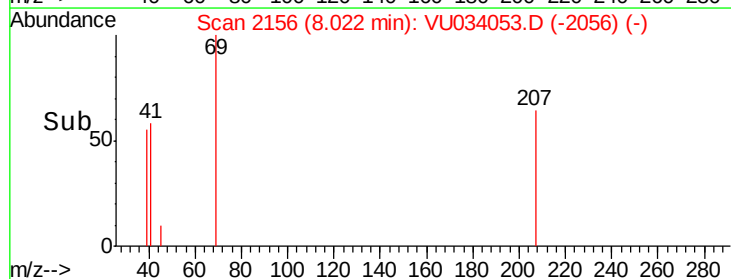
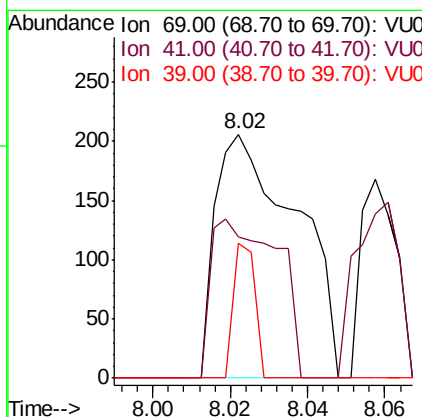
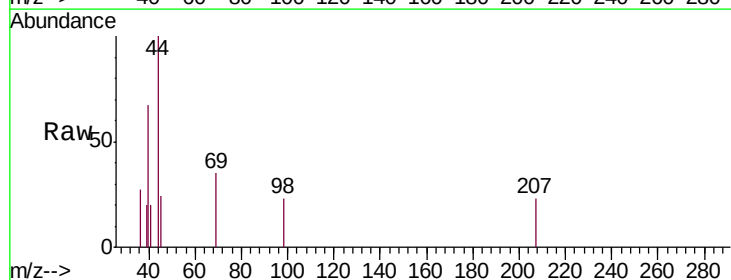
Instrument :
 MSVOA_U
 ClientSampleId :

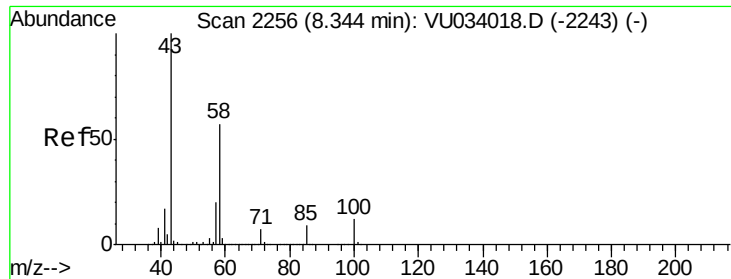
Tot Ion: 43 Resp: 3643
 Ion Ratio Lower Upper
 43 100
 58 31.2 32.2 48.4#



#56
 Ethyl methacrylate
 Concen: 1.005 ug/l
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.02 min
 Lab File: VU034053.D
 Acq: 29 Aug 2019 11:48

Tgt Ion: 69 Resp: 299
 Ion Ratio Lower Upper
 69 100
 41 53.5 50.7 76.1
 39 14.0 24.2 36.2#

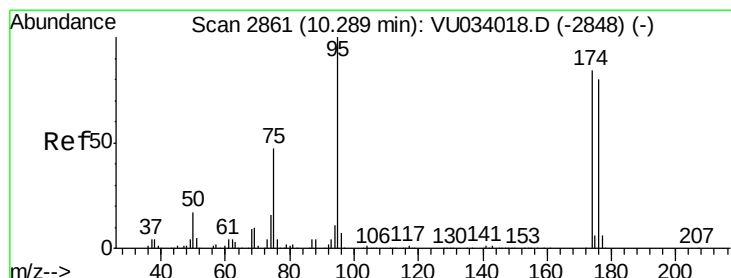
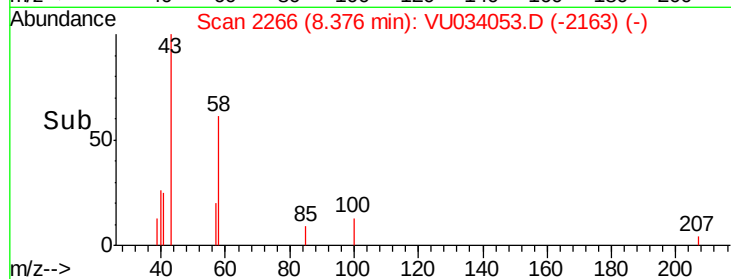
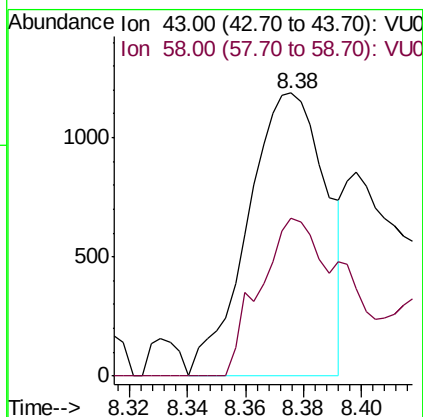
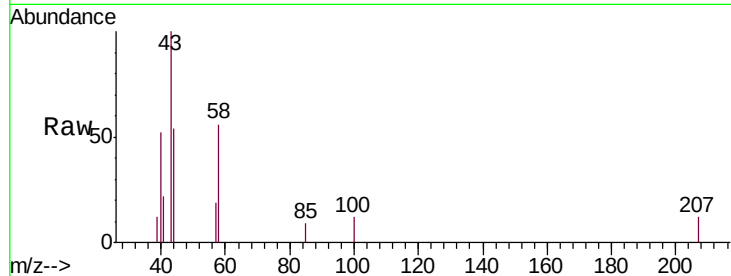




#59
2-Hexanone
Concen: 0.378 ug/l
RT: 8.38 min Scan# 2266
Delta R.T. 0.03 min
Lab File: VU034053.D
Acq: 29 Aug 2019 11:48

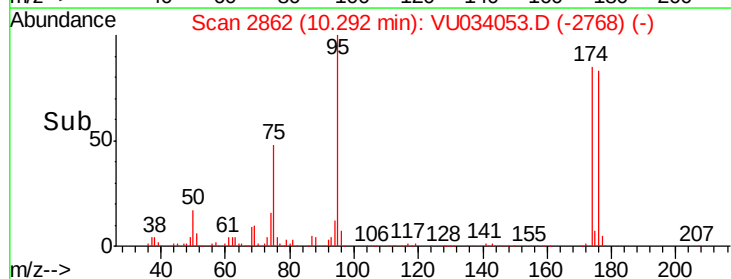
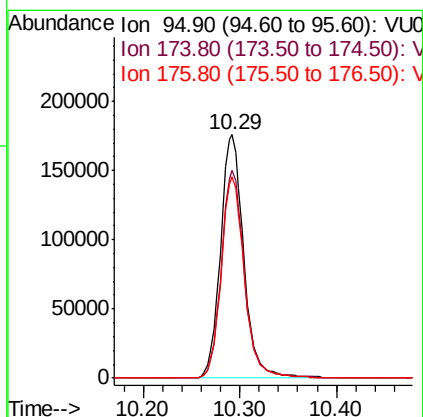
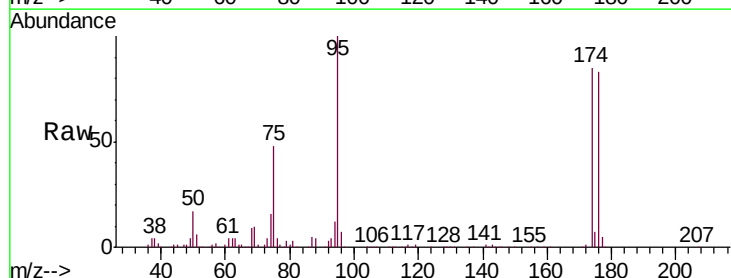
Instrument :
MSVOA_U
ClientSampled :

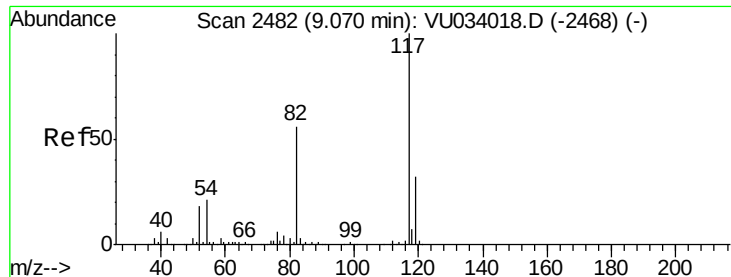
Tot Ion: 43 Resp: 2219
Ion Ratio Lower Upper
43 100
58 60.0 28.4 85.3



#62
4-Bromofluorobenzene
Concen: 41.389 ug/l
RT: 10.29 min Scan# 2862
Delta R.T. 0.00 min
Lab File: VU034053.D
Acq: 29 Aug 2019 11:48

Tgt Ion: 95 Resp: 292247
Ion Ratio Lower Upper
95 100
174 85.1 0.0 168.8
176 82.6 0.0 161.8

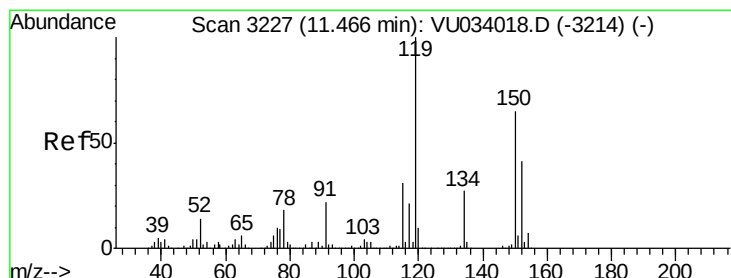
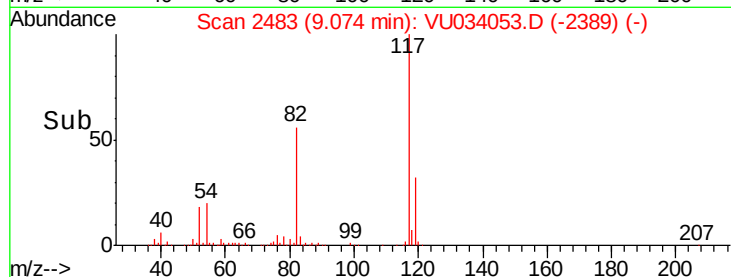
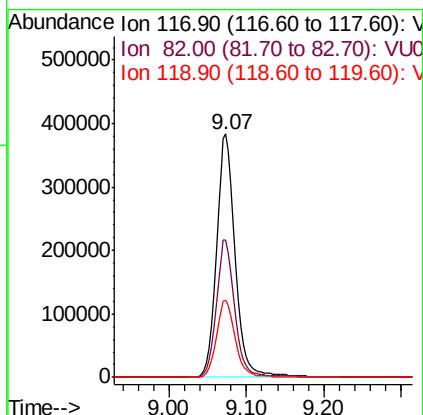
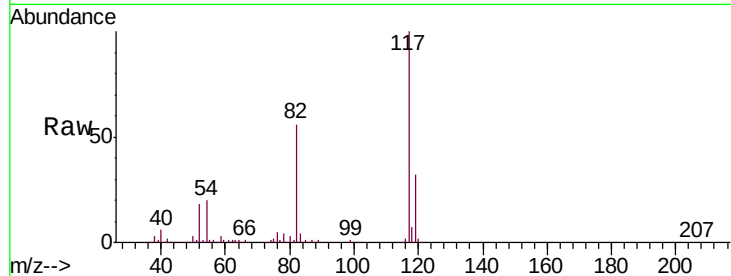




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2483
Delta R.T. 0.00 min
Lab File: VU034053.D
Acq: 29 Aug 2019 11:48

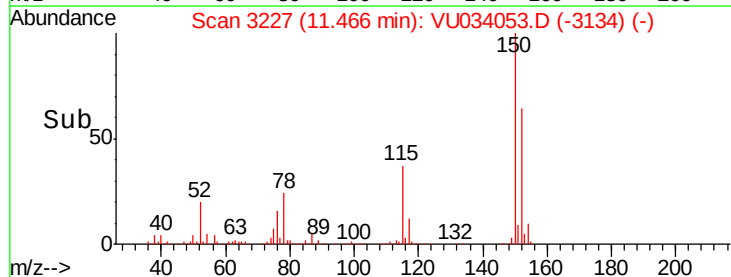
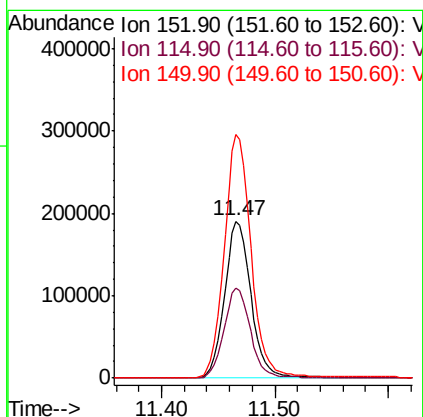
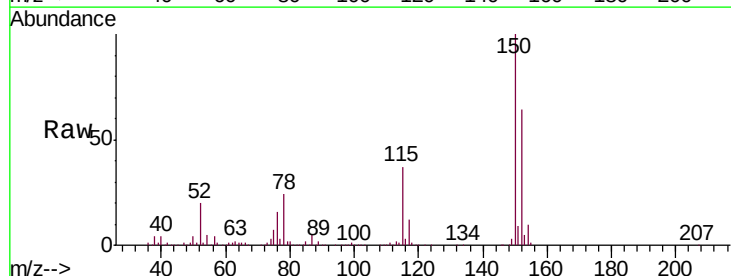
Instrument :
MSVOA_U
ClientSampleId :

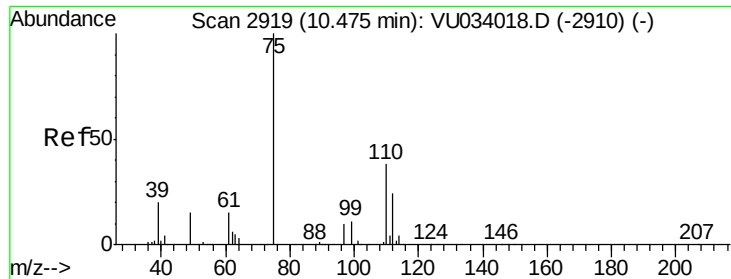
Tot Ion:117 Resp: 655880
Ion Ratio Lower Upper
117 100
82 56.3 45.1 67.7
119 31.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.47 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VU034053.D
Acq: 29 Aug 2019 11:48

Tgt Ion:152 Resp: 309474
Ion Ratio Lower Upper
152 100
115 57.5 41.1 123.3
150 157.2 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 20.427 ug/l

RT: 10.29 min Scan# 2862

Delta R.T. -0.18 min

Lab File: VU034053.D

Acq: 29 Aug 2019 11:48

Instrument :

MSVOA_U

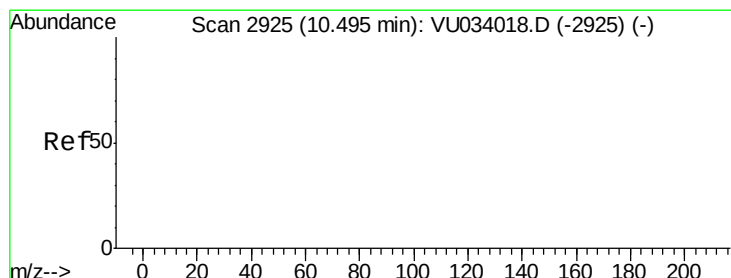
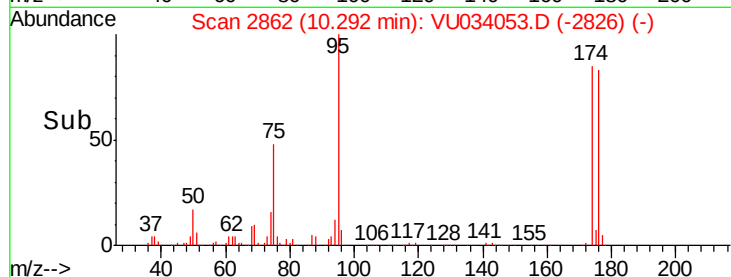
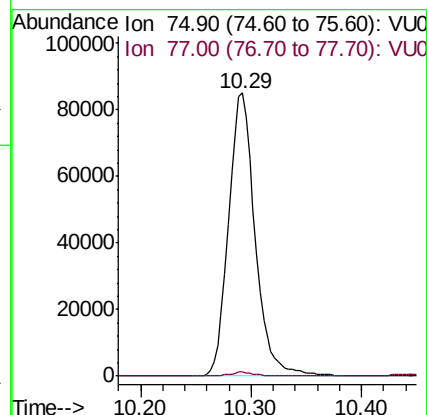
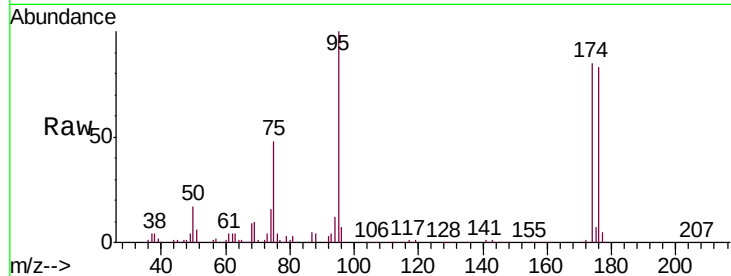
ClientSampled :

Tot Ion: 75 Resp: 142478

Ion Ratio Lower Upper

75 100

77 1.3 20.1 60.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.782 ug/l

RT: 10.29 min Scan# 2862

Delta R.T. -0.20 min

Lab File: VU034053.D

Acq: 29 Aug 2019 11:48

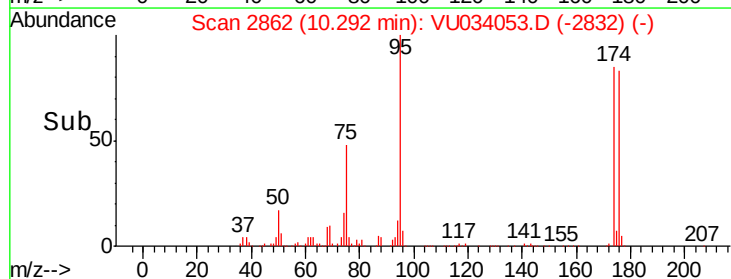
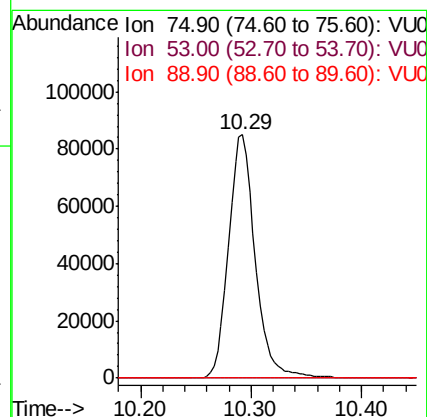
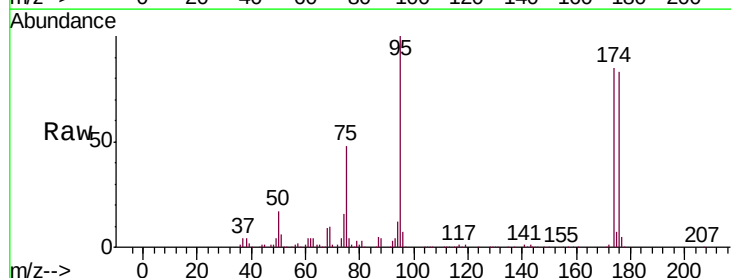
Tgt Ion: 75 Resp: 142478

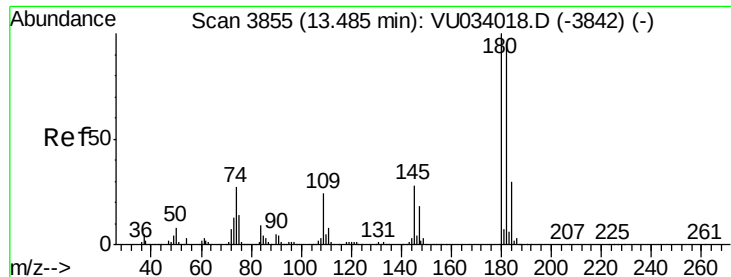
Ion Ratio Lower Upper

75 100

53 0.2 0.0 0.0#

89 0.0 0.0 0.0

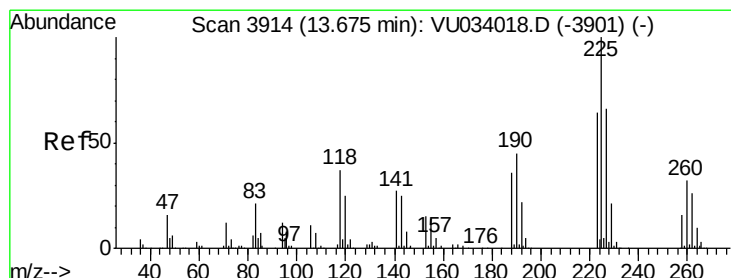
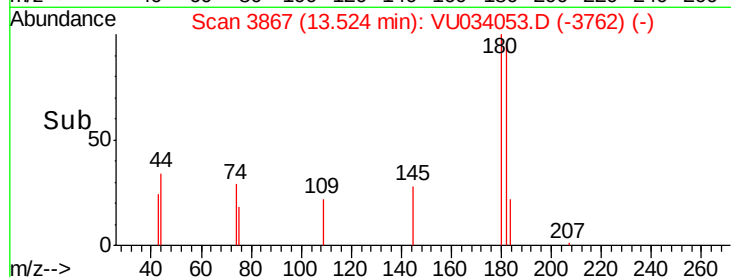
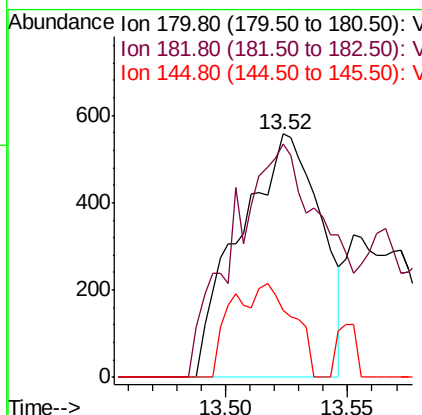
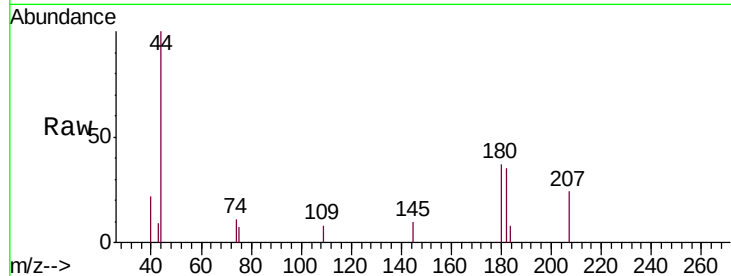




#93
 1,2,4-Trichlorobenzene
 Concen: 1.300 ug/l
 RT: 13.52 min Scan# 3867
 Delta R.T. 0.04 min
 Lab File: VU034053.D
 Acq: 29 Aug 2019 11:48

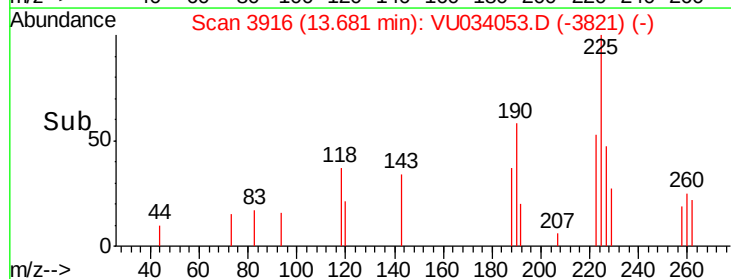
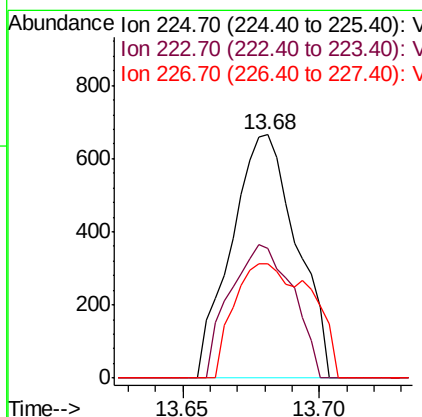
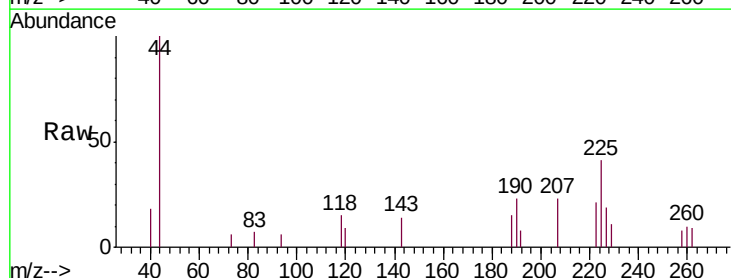
Instrument :
 MSVOA_U
 ClientSampleId :

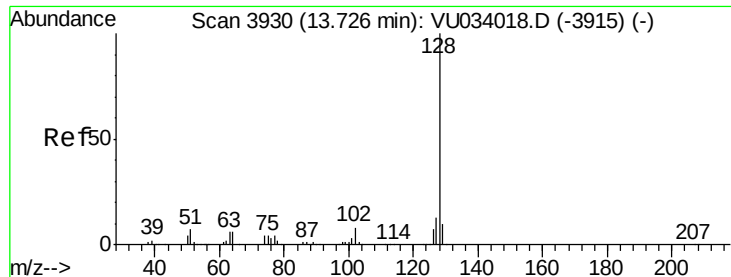
Tot Ion:180 Resp: 1287
 Ion Ratio Lower Upper
 180 100
 182 110.0 47.4 142.2
 145 17.2 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 0.297 ug/l
 RT: 13.68 min Scan# 3916
 Delta R.T. 0.01 min
 Lab File: VU034053.D
 Acq: 29 Aug 2019 11:48

Tgt Ion:225 Resp: 1103
 Ion Ratio Lower Upper
 225 100
 223 52.9 31.8 95.3
 227 55.4 32.6 97.8

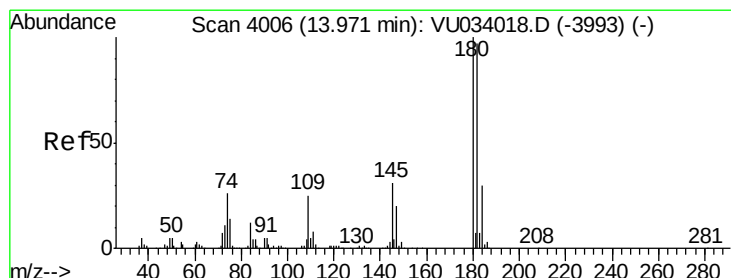
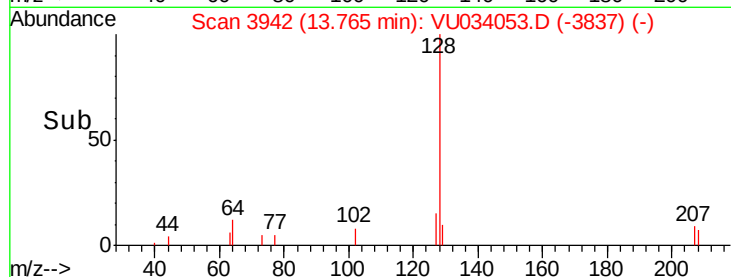
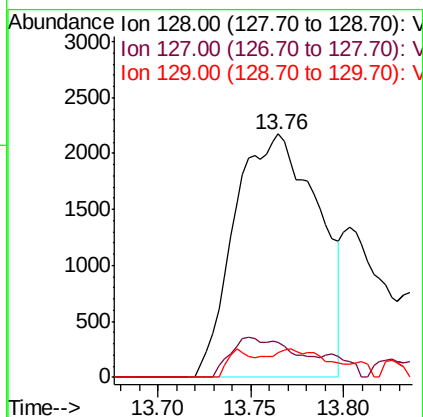
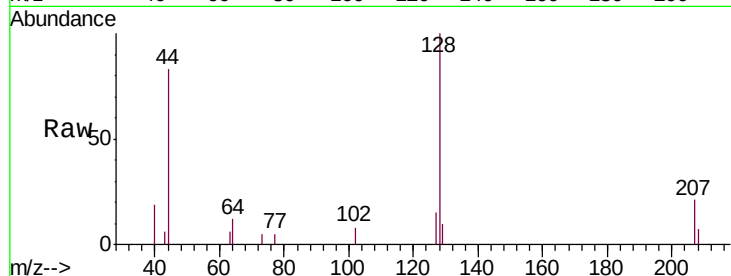




#95
Naphthalene
Concen: 2.130 ug/l
RT: 13.76 min Scan# 3942
Delta R.T. 0.04 min
Lab File: VU034053.D
Acq: 29 Aug 2019 11:48

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 6817
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 3.8 8.4 12.6#



#96
1,2,3-Trichlorobenzene
Concen: 0.250 ug/l
RT: 13.99 min Scan# 4013
Delta R.T. 0.02 min
Lab File: VU034053.D
Acq: 29 Aug 2019 11:48

Tgt Ion:180 Resp: 1517
Ion Ratio Lower Upper
180 100
182 60.1 48.2 144.6
145 38.4 15.5 46.5

