

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083119\
 Data File : VU034099.D
 Acq On : 30 Aug 2019 15:30
 Operator : JC/SP
 Sample : K4620-01ME
 Misc : 6.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

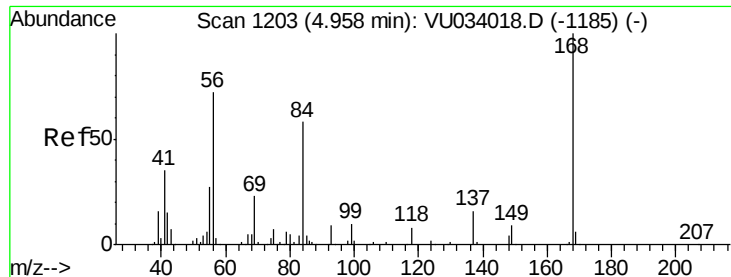
Quant Time: Aug 30 17:21:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.95	168	472174	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	749766	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	764826	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	400348	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.28	65	292684	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
35) Dibromofluoromethane	4.86	113	239000	45.96	ug/l	0.00
Spiked Amount			Recovery	=	91.92%	
50) Toluene-d8	7.55	98	952276	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	
62) 4-Bromofluorobenzene	10.29	95	374604	49.46	ug/l	0.00
Spiked Amount			Recovery	=	98.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2791	Below Cal	#	86
5) Bromomethane	1.59	94	2186	Below Cal		87
10) Methyl Iodide	2.38	142	1621	0.246	ug/l #	95
11) Tert butyl alcohol	2.82	59	642	0.460	ug/l #	73
16) Acetone	2.33	43	1340	0.434	ug/l	91
18) Methyl Acetate	2.62	43	3606	0.452	ug/l #	83
31) Cyclohexane	4.96	56	8346	0.924	ug/l #	1
36) 1,1-Dichloropropene	4.95	75	35334	4.982	ug/l #	49
38) Carbon Tetrachloride	4.95	117	43758	6.392	ug/l #	16
44) Trichloroethene	6.16	130	39899	7.081	ug/l	93
76) 1,2,3-Trichloropropane	10.29	75	181864	20.155	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.29	75	181864	67.868	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.55	180	69	1.122	ug/l #	82
95) Naphthalene	13.80	128	575	1.812	ug/l #	70

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.95 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VU034099.D

Acq: 30 Aug 2019 15:30

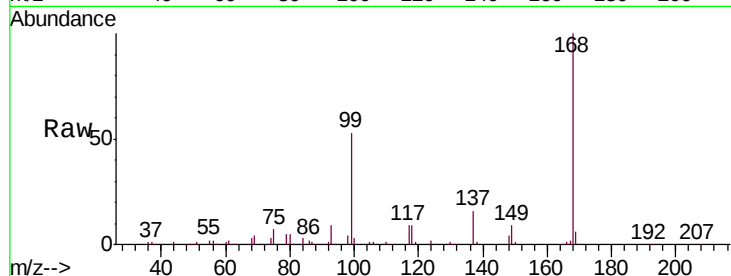
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 472174

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) (-)

4.95

200000

150000

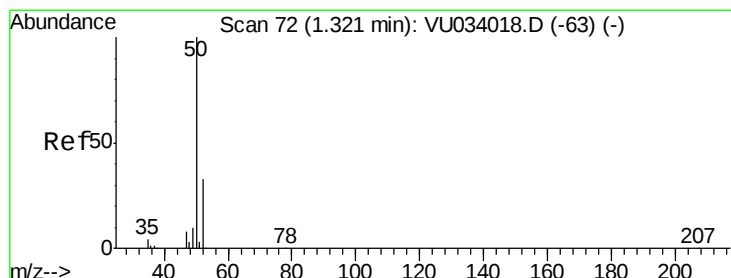
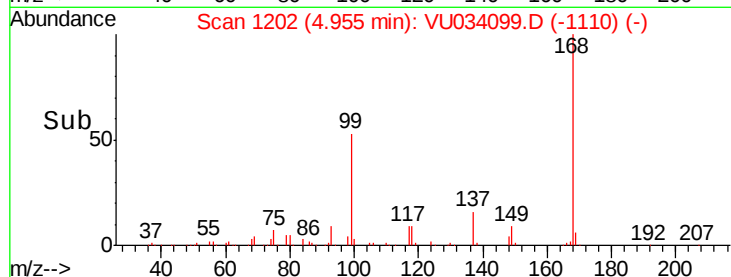
100000

50000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU034099.D

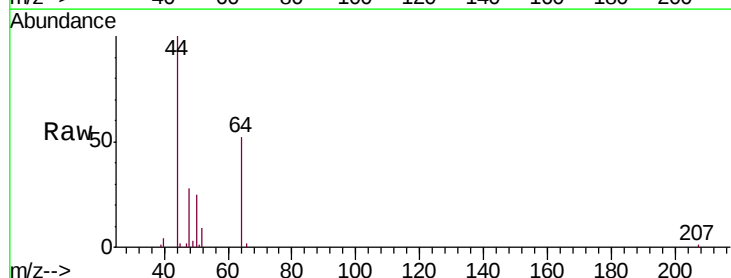
Acq: 30 Aug 2019 15:30

Tgt Ion: 50 Resp: 2791

Ion Ratio Lower Upper

50 100

52 40.7 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

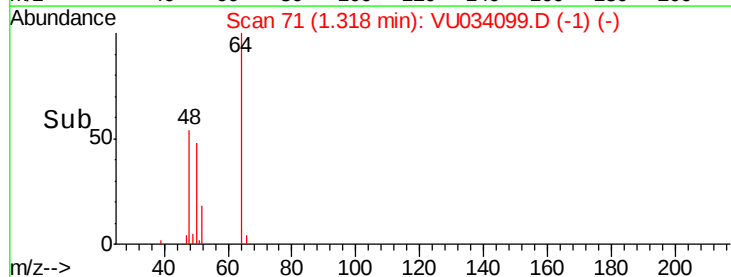
1000

500

0

1.30 1.35

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.59 min Scan# 156

Delta R.T. -0.01 min

Lab File: VU034099.D

Acq: 30 Aug 2019 15:30

Instrument :

MSVOA_U

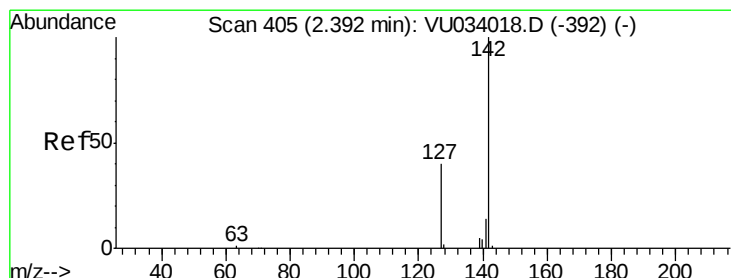
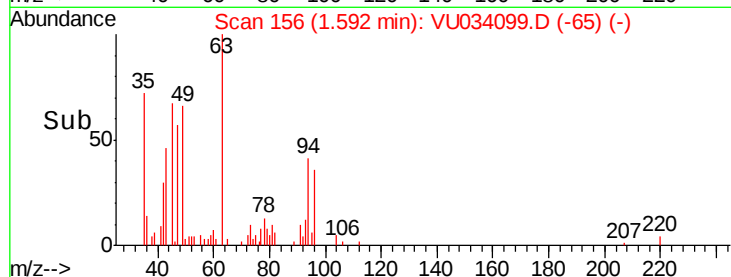
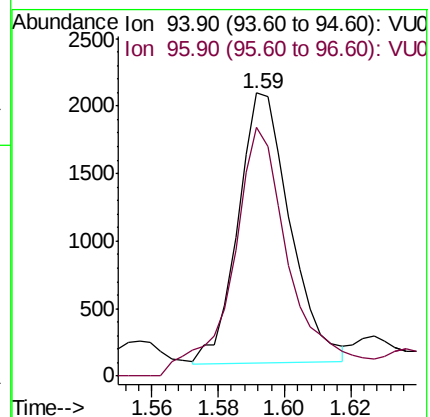
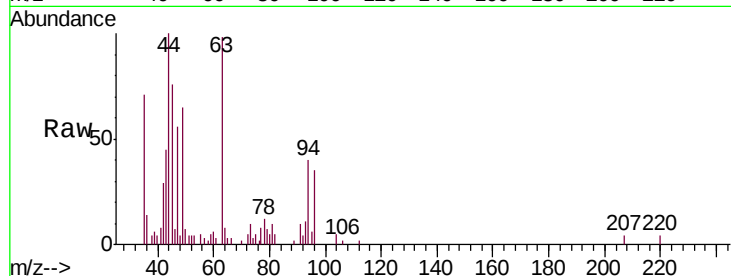
ClientSampleId :

Tot Ion: 94 Resp: 2186

Ion Ratio Lower Upper

94 100

96 83.2 76.3 114.5



#10

Methyl Iodide

Concen: 0.246 ug/l

RT: 2.38 min Scan# 400

Delta R.T. -0.02 min

Lab File: VU034099.D

Acq: 30 Aug 2019 15:30

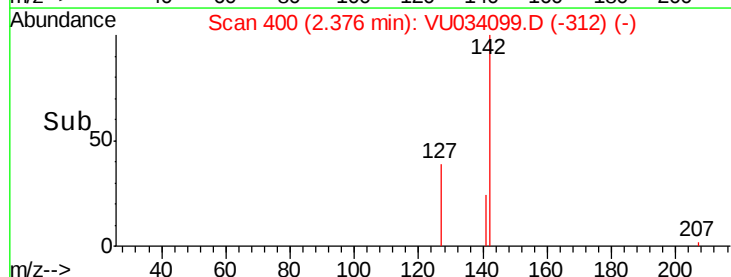
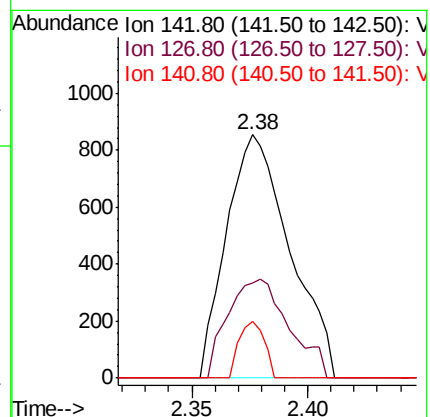
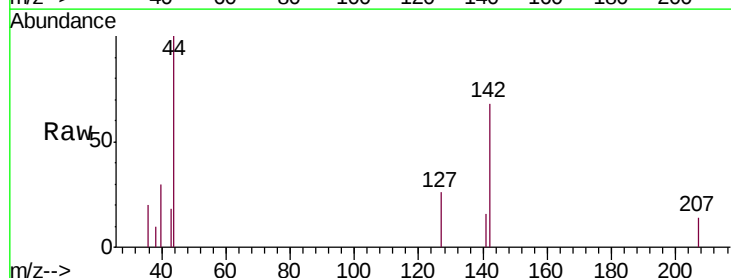
Tgt Ion: 142 Resp: 1621

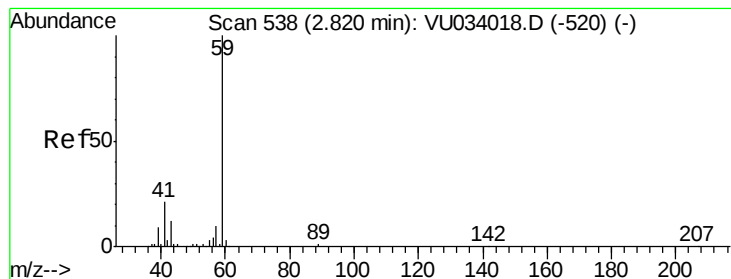
Ion Ratio Lower Upper

142 100

127 39.3 32.6 48.8

141 9.1 11.3 16.9#



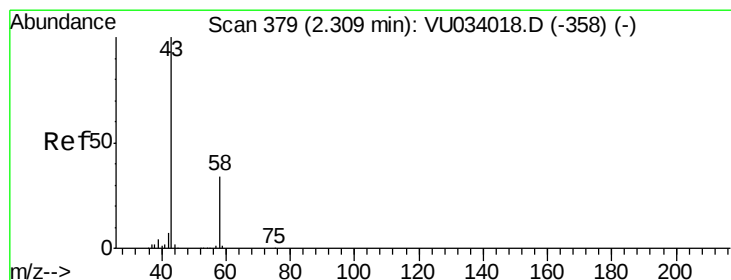
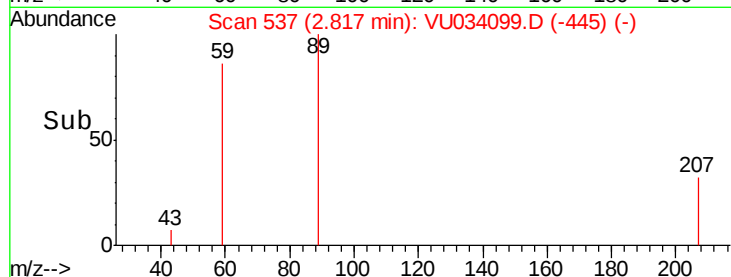
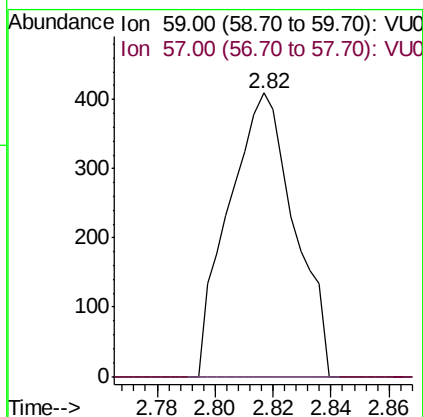
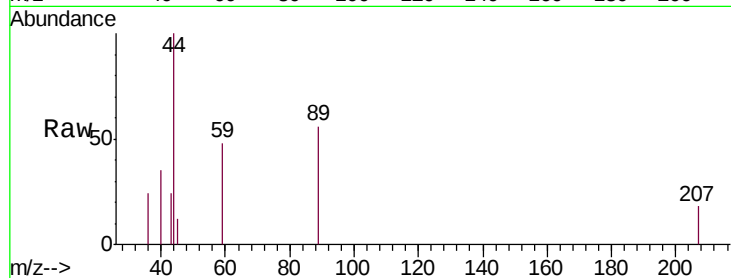


#11

Tert butyl alcohol
 Concen: 0.460 ug/l
 RT: 2.82 min Scan# 537
 Delta R.T. -0.00 min
 Lab File: VU034099.D
 Acq: 30 Aug 2019 15:30

Instrument :
 MSVOA_U
 ClientSampleId :

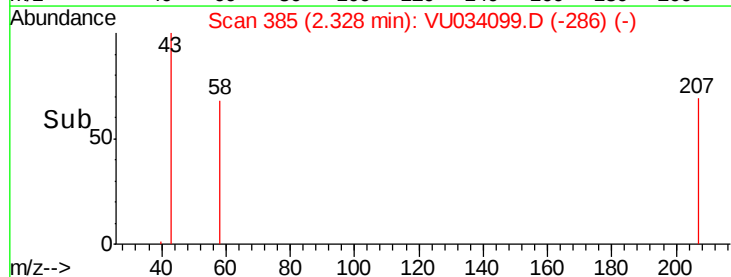
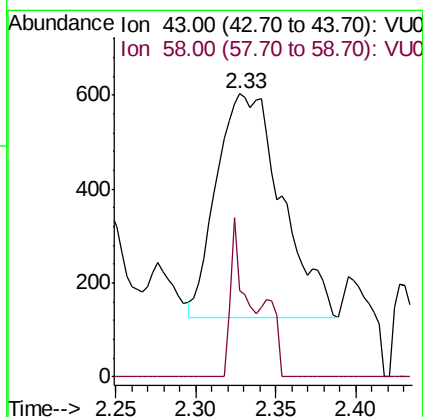
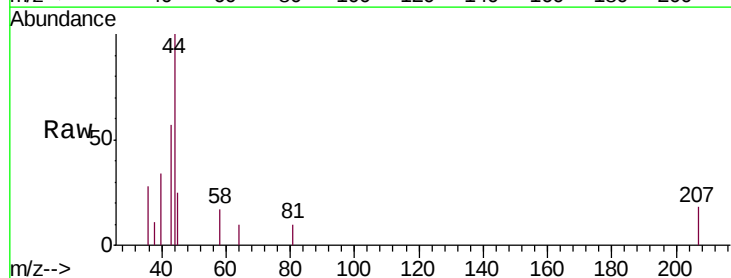
Tot Ion: 59 Resp: 642
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

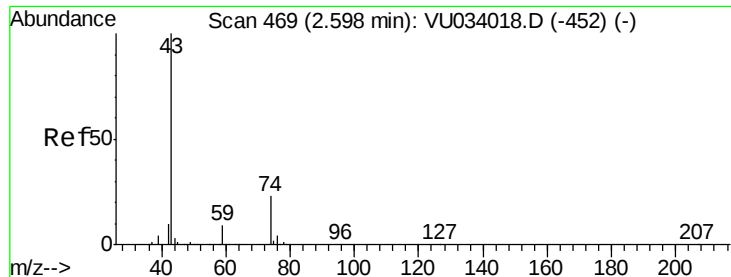


#16

Acetone
 Concen: 0.434 ug/l
 RT: 2.33 min Scan# 385
 Delta R.T. 0.02 min
 Lab File: VU034099.D
 Acq: 30 Aug 2019 15:30

Tgt Ion: 43 Resp: 1340
 Ion Ratio Lower Upper
 43 100
 58 38.8 26.8 40.2

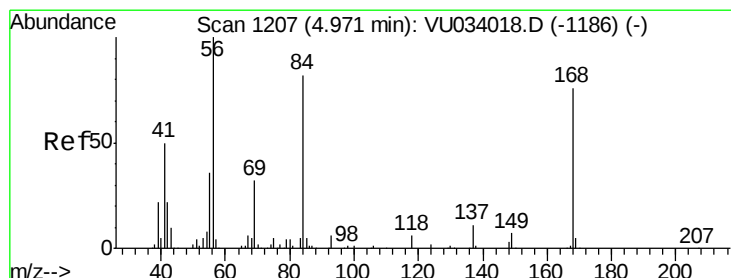
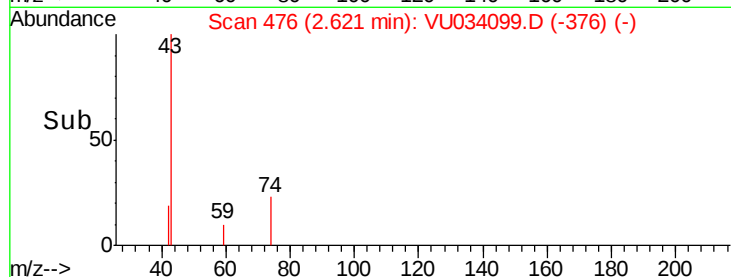
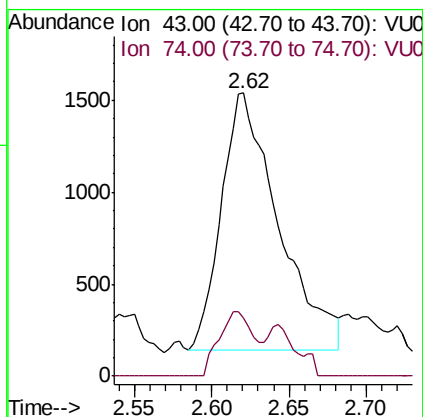
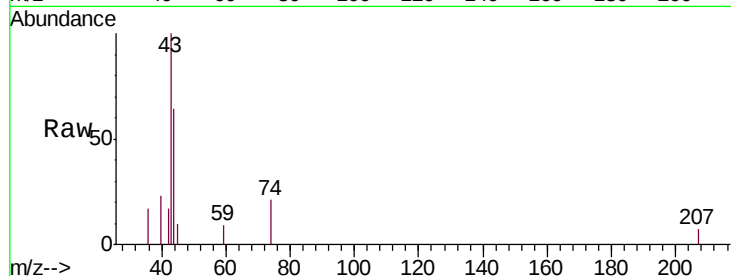




#18
Methyl Acetate
Concen: 0.452 ug/l
RT: 2.62 min Scan# 476
Delta R.T. 0.02 min
Lab File: VU034099.D
Acq: 30 Aug 2019 15:30

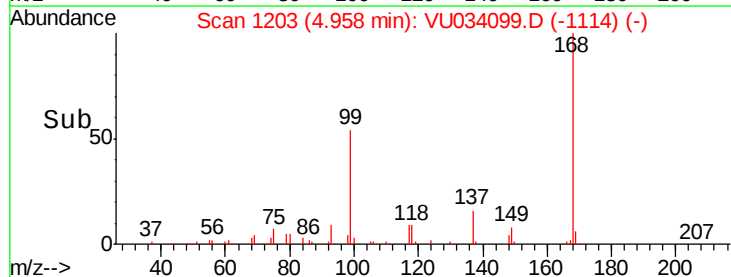
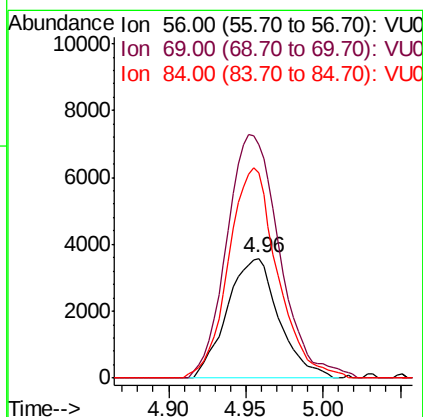
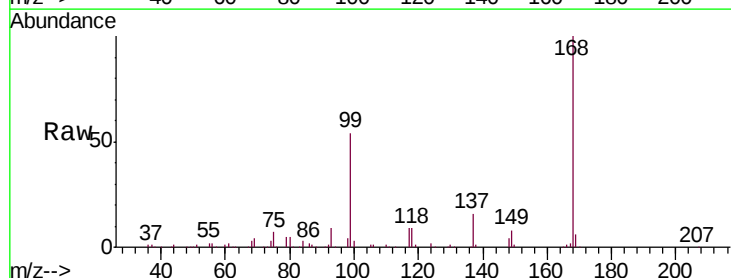
Instrument :
MSVOA_U
ClientSampleId :

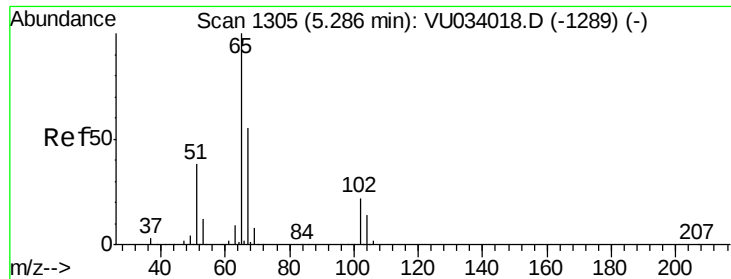
Tot Ion: 43 Resp: 3606
Ion Ratio Lower Upper
43 100
74 15.4 19.2 28.8#



#31
Cyclohexane
Concen: 0.924 ug/l
RT: 4.96 min Scan# 1203
Delta R.T. -0.01 min
Lab File: VU034099.D
Acq: 30 Aug 2019 15:30

Tgt Ion: 56 Resp: 8346
Ion Ratio Lower Upper
56 100
69 195.0 25.4 38.0#
84 168.4 65.8 98.8#





#33

1,2-Dichloroethane-d4

Concen: 48.376 ug/l

RT: 5.28 min Scan# 1304

Delta R.T. -0.00 min

Lab File: VU034099.D

Acq: 30 Aug 2019 15:30

Instrument :

MSVOA_U

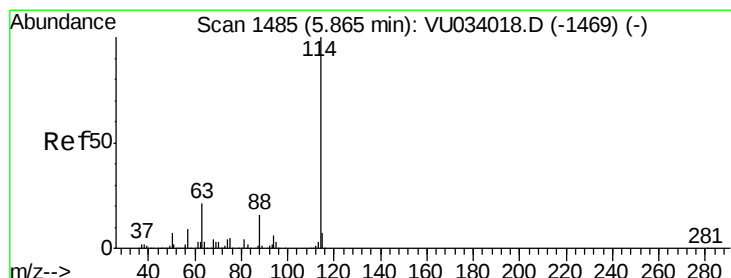
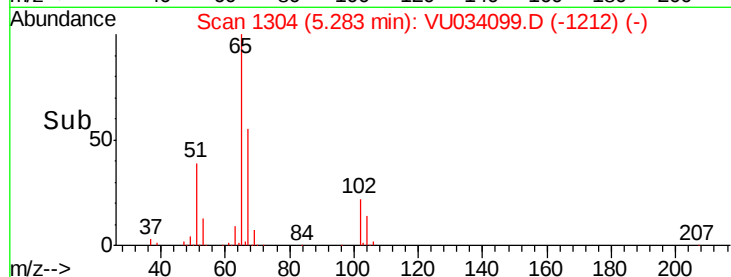
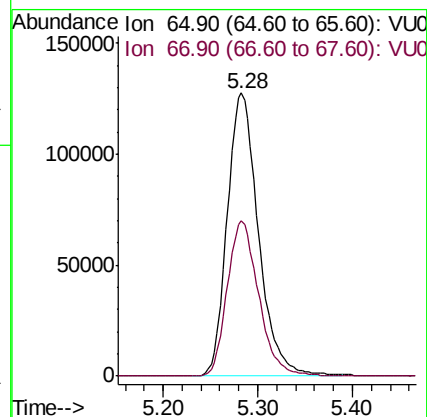
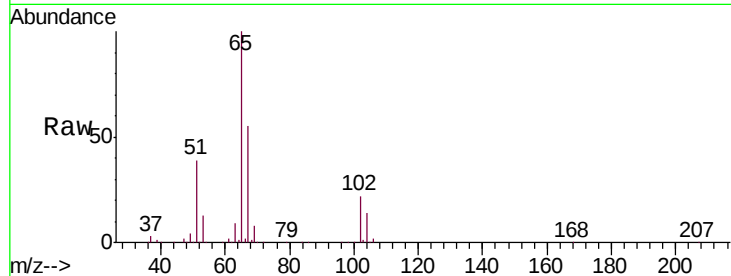
ClientSampled :

Tot Ion: 65 Resp: 292684

Ion Ratio Lower Upper

65 100

67 55.1 0.0 110.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1484

Delta R.T. -0.00 min

Lab File: VU034099.D

Acq: 30 Aug 2019 15:30

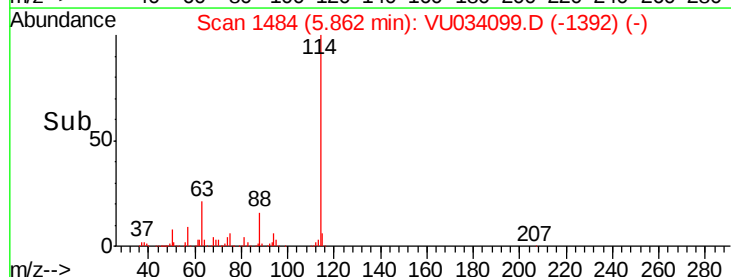
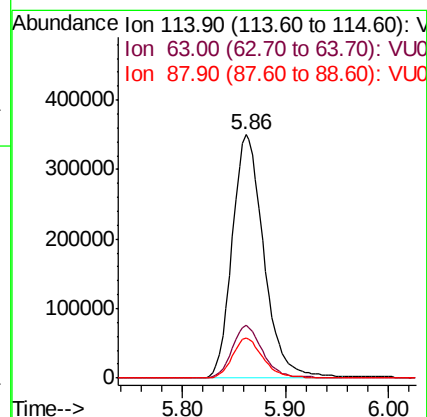
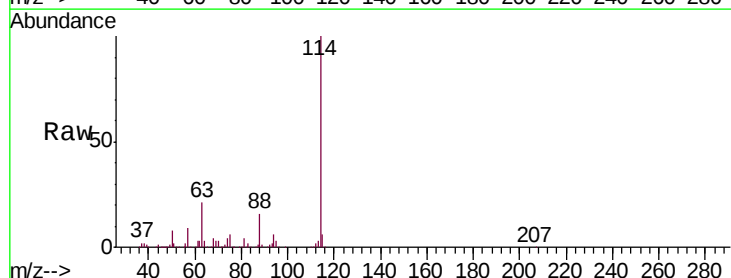
Tgt Ion: 114 Resp: 749766

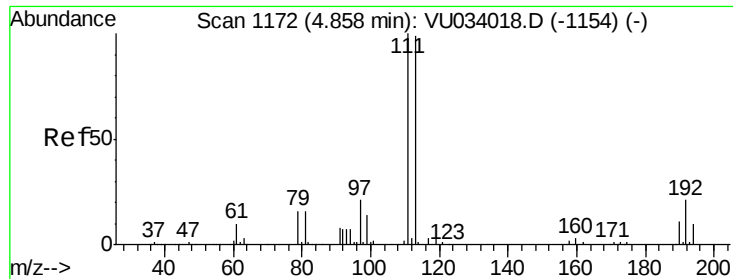
Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.0

88 16.4 0.0 32.0

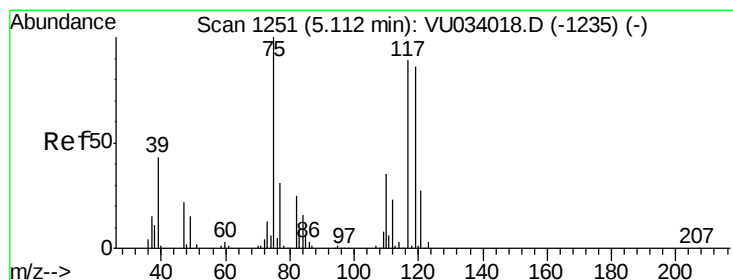
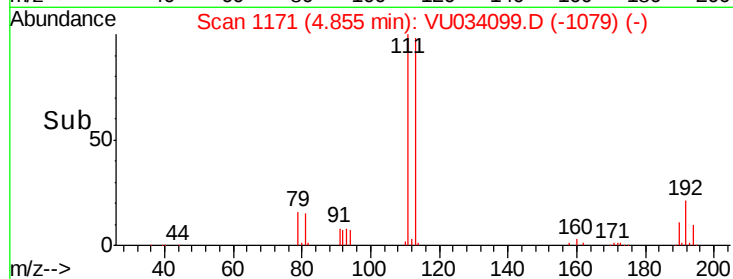
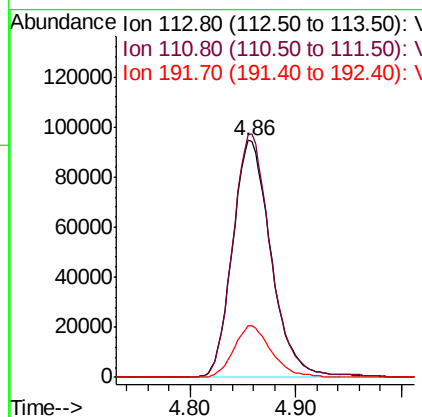
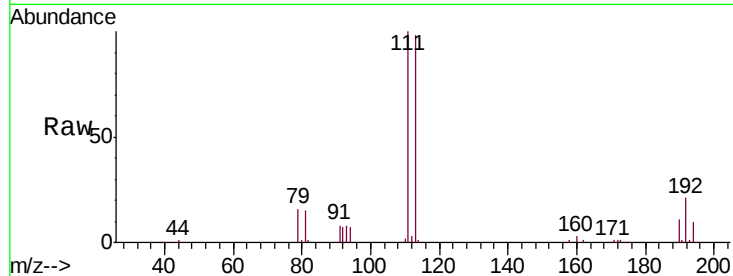




#35
 Dibromofluoromethane
 Concen: 45.959 ug/l
 RT: 4.86 min Scan# 1171
 Delta R.T. -0.00 min
 Lab File: VU034099.D
 Acq: 30 Aug 2019 15:30

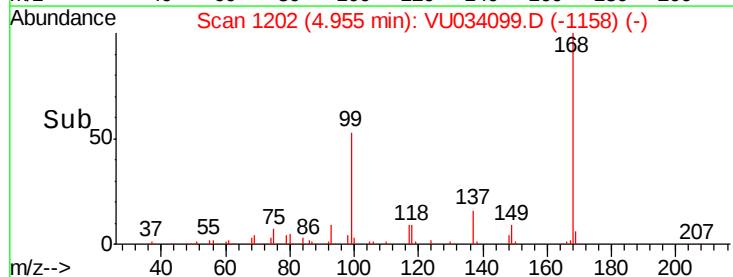
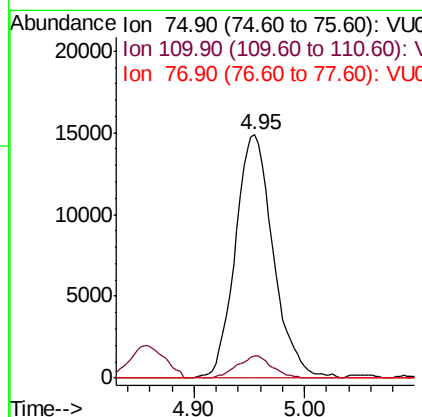
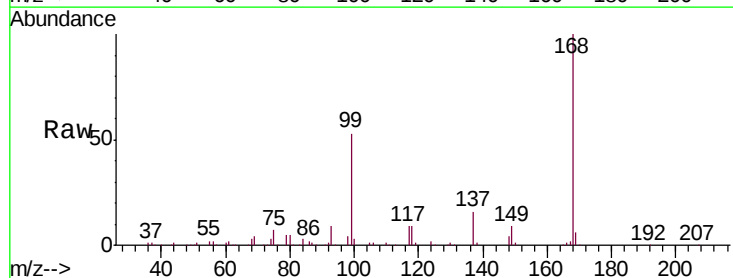
Instrument :
 MSVOA_U
 ClientSampled :

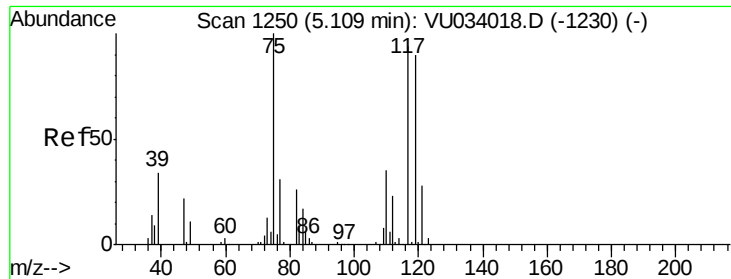
Tot Ion:113 Resp: 239000
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.7 122.5
 192 21.4 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.982 ug/l
 RT: 4.95 min Scan# 1202
 Delta R.T. -0.16 min
 Lab File: VU034099.D
 Acq: 30 Aug 2019 15:30

Tgt Ion: 75 Resp: 35334
 Ion Ratio Lower Upper
 75 100
 110 8.3 17.8 53.5#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.392 ug/l

RT: 4.95 min Scan# 1202

Delta R.T. -0.15 min

Lab File: VU034099.D

Acq: 30 Aug 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

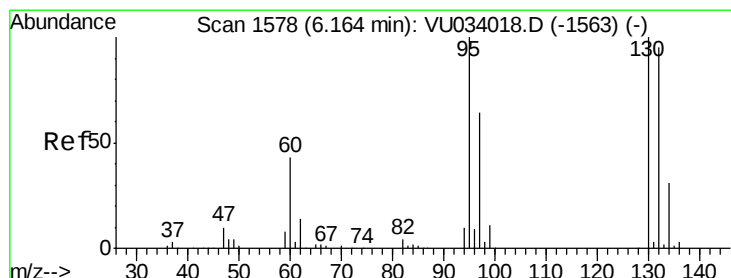
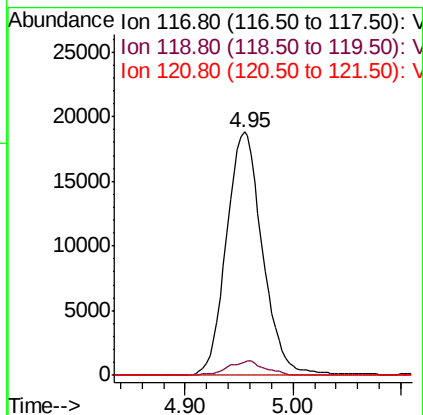
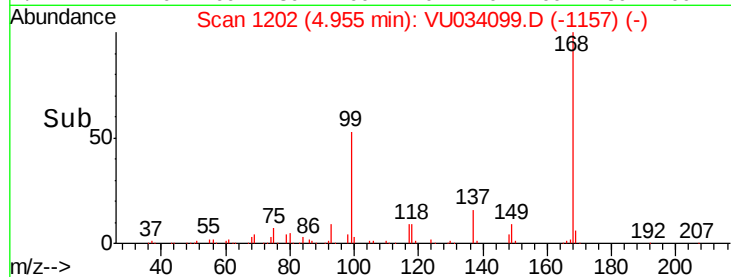
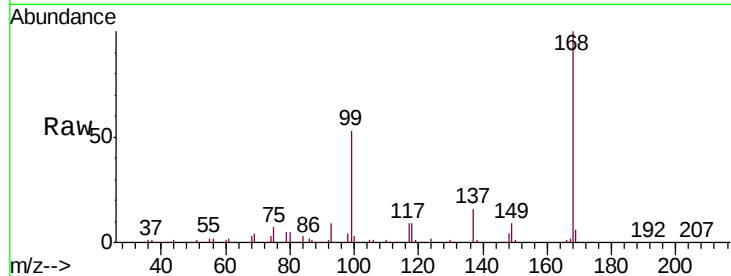
Tot Ion:117 Resp: 43758

Ion Ratio Lower Upper

117 100

119 5.6 77.0 115.4#

121 0.0 23.9 35.9#



#44

Trichloroethene

Concen: 7.081 ug/l

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU034099.D

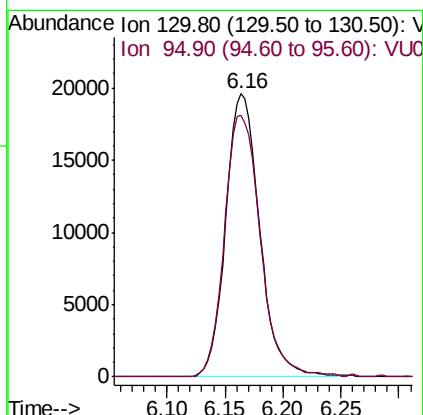
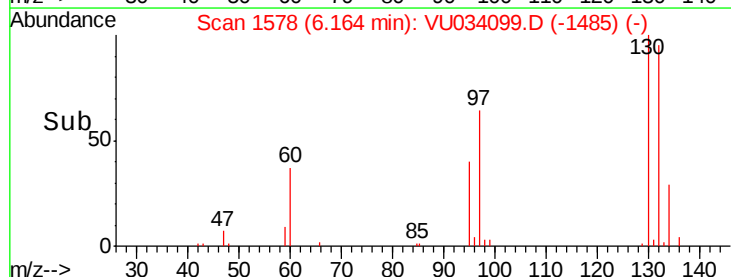
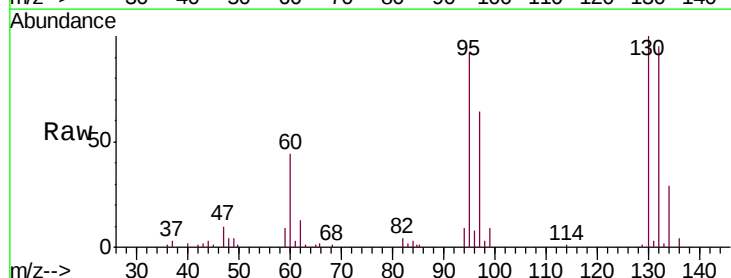
Acq: 30 Aug 2019 15:30

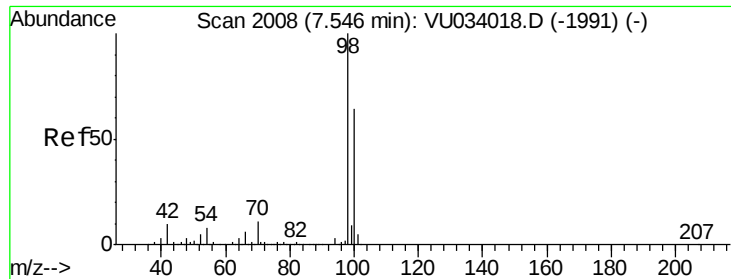
Tgt Ion:130 Resp: 39899

Ion Ratio Lower Upper

130 100

95 92.3 0.0 199.6

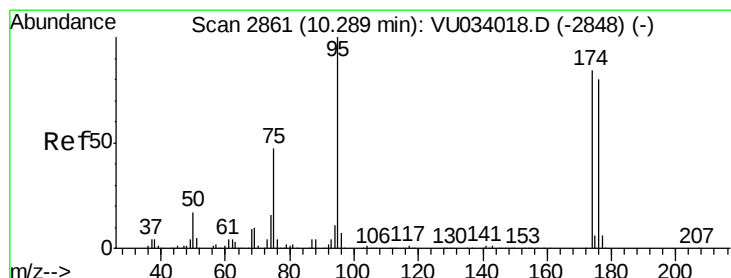
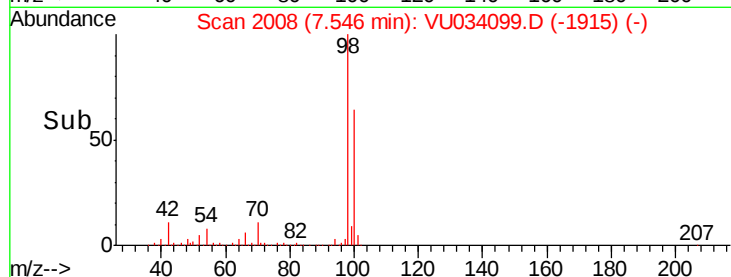
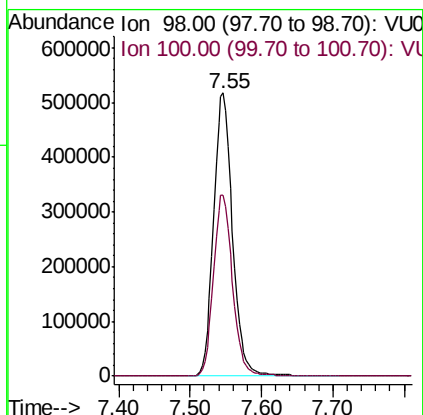
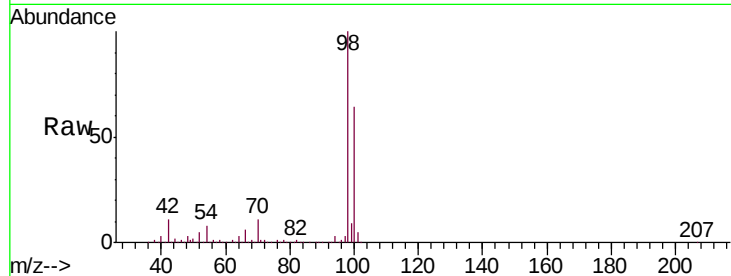




#50
Toluene-d8
Concen: 48.905 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034099.D
Acq: 30 Aug 2019 15:30

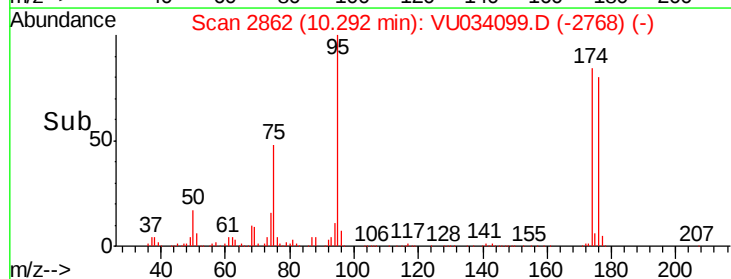
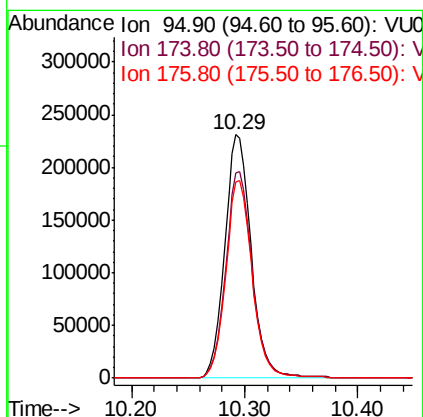
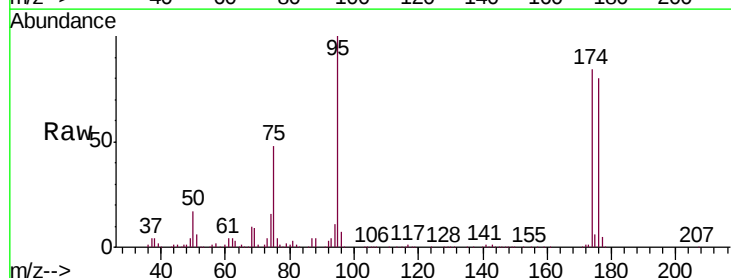
Instrument :
MSVOA_U
ClientSampled :

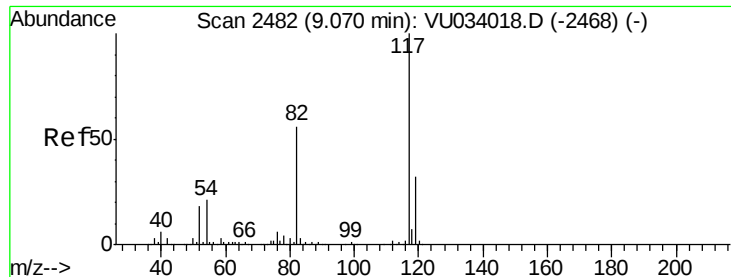
Tot Ion: 98 Resp: 952276
Ion Ratio Lower Upper
98 100
100 64.4 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 49.457 ug/l
RT: 10.29 min Scan# 2862
Delta R.T. 0.00 min
Lab File: VU034099.D
Acq: 30 Aug 2019 15:30

Tgt Ion: 95 Resp: 374604
Ion Ratio Lower Upper
95 100
174 85.6 0.0 168.8
176 81.5 0.0 161.8

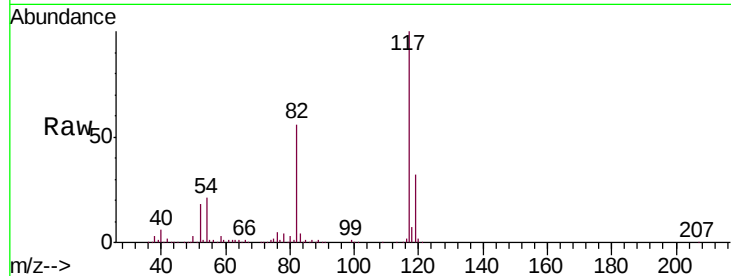




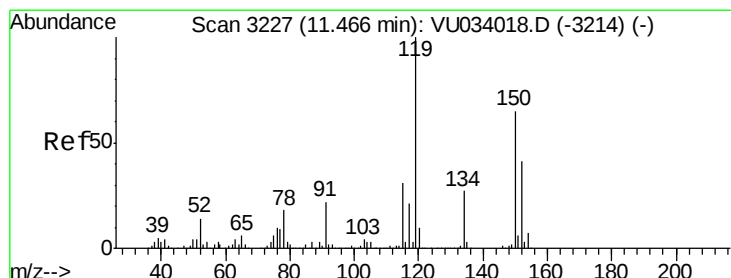
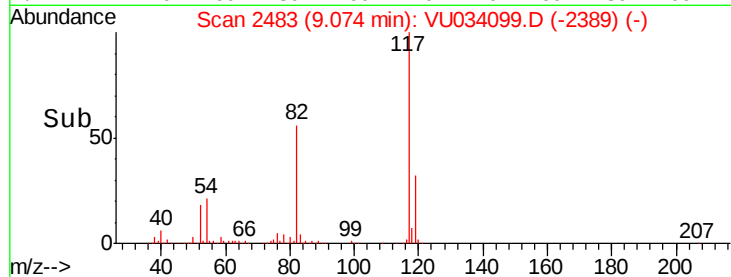
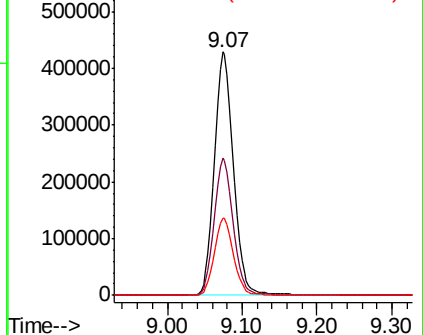
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2483
Delta R.T. 0.00 min
Lab File: VU034099.D
Acq: 30 Aug 2019 15:30

Instrument :
MSVOA_U
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	45.1	67.7
119	31.9	25.4	38.0

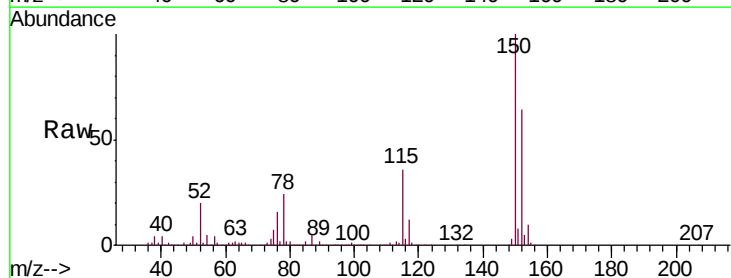


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

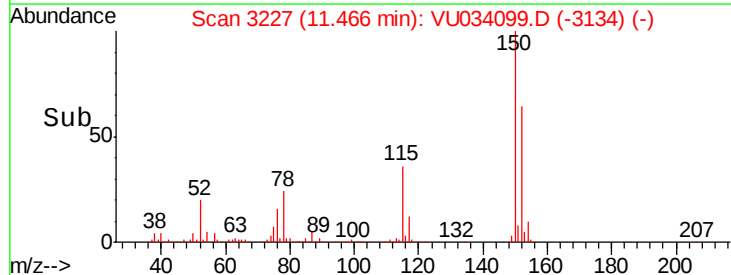
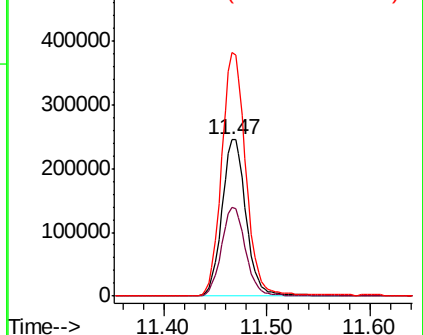


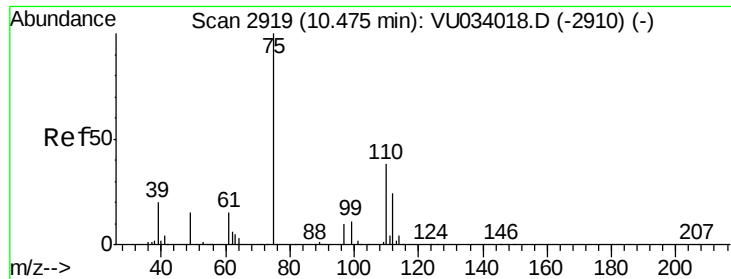
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.47 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VU034099.D
Acq: 30 Aug 2019 15:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.9	41.1	123.3
150	155.5	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: 20.155 ug/l

RT: 10.29 min Scan# 2862

Delta R.T. -0.18 min

Lab File: VU034099.D

Acq: 30 Aug 2019 15:30

Instrument :

MSVOA_U

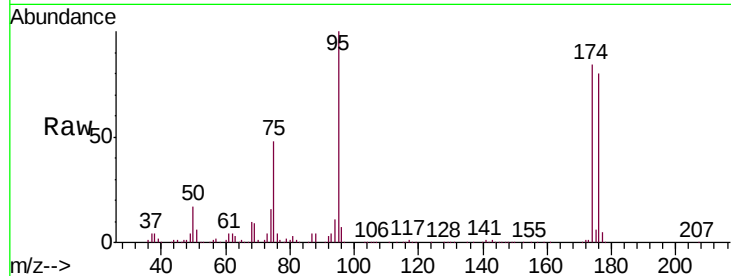
ClientSampled :

Tot Ion: 75 Resp: 181864

Ion Ratio Lower Upper

75 100

77 1.4 20.1 60.2#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

10.29

120000

100000

80000

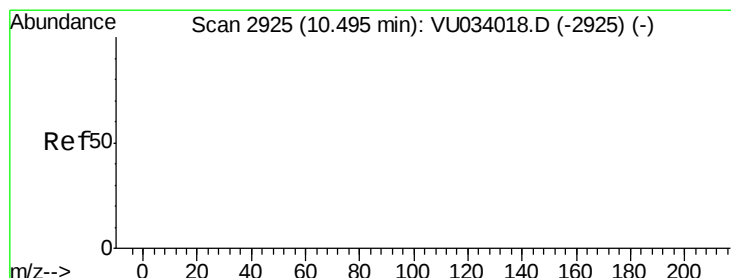
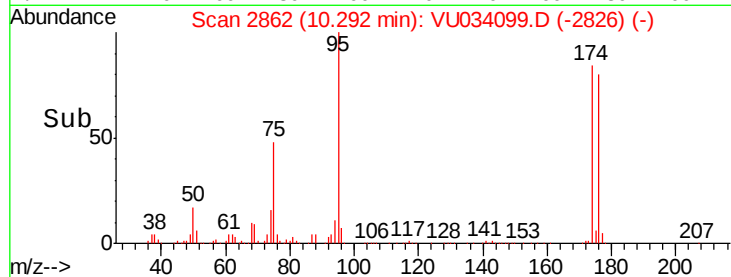
60000

40000

20000

0

Time--> 10.20 10.30 10.40



#81

trans-1,4-Dichloro-2-butene

Concen: 67.868 ug/l

RT: 10.29 min Scan# 2862

Delta R.T. -0.20 min

Lab File: VU034099.D

Acq: 30 Aug 2019 15:30

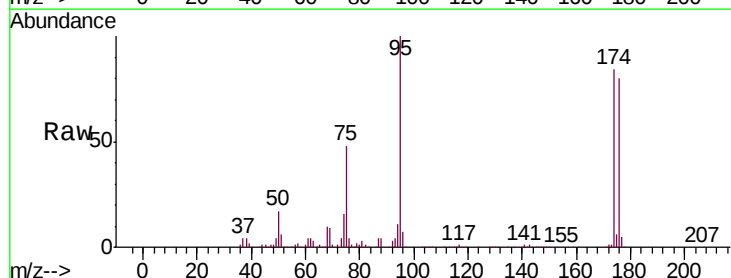
Tgt Ion: 75 Resp: 181864

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

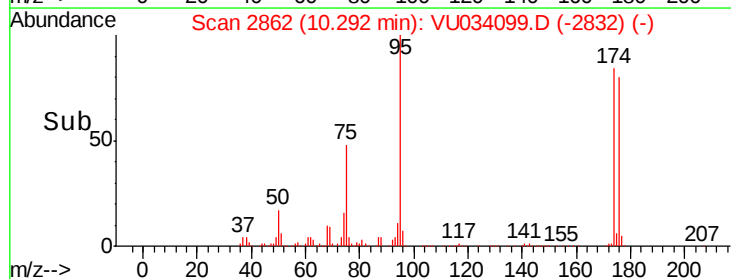
150000

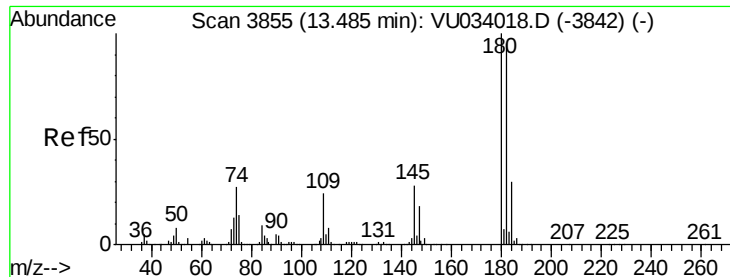
100000

50000

0

Time--> 10.20 10.30 10.40

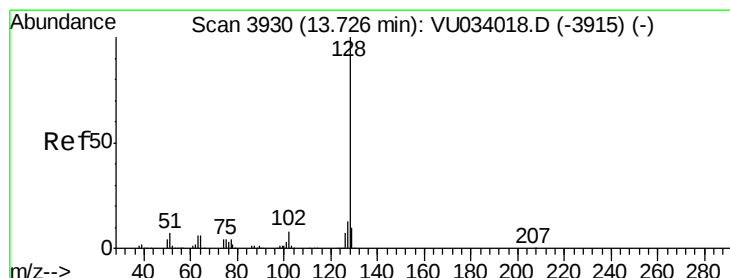
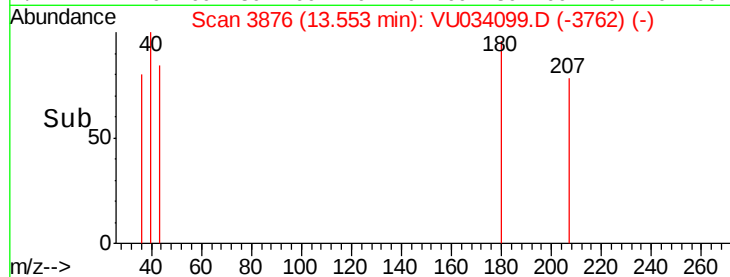
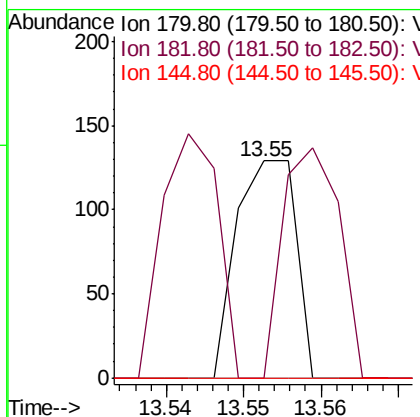
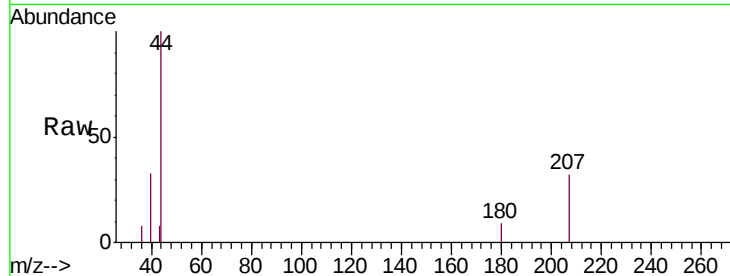




#93
 1,2,4-Trichlorobenzene
 Concen: 1.122 ug/l
 RT: 13.55 min Scan# 3876
 Delta R.T. 0.07 min
 Lab File: VU034099.D
 Acq: 30 Aug 2019 15:30

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.4	47.4	142.2
145	0.0	14.1	42.3#



#95
 Naphthalene
 Concen: 1.812 ug/l
 RT: 13.80 min Scan# 3952
 Delta R.T. 0.07 min
 Lab File: VU034099.D
 Acq: 30 Aug 2019 15:30

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

