

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090219\
 Data File : VU034164.D
 Acq On : 01 Sep 2019 13:23
 Operator : JC/SP
 Sample : K4648-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 02 08:31:40 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	437513	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	697990	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	689624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	341818	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	283366	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
35) Dibromofluoromethane	4.86	113	239892	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
50) Toluene-d8	7.55	98	900921	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
62) 4-Bromofluorobenzene	10.29	95	316296	44.86	ug/l	0.00
Spiked Amount			Recovery	=	89.72%	

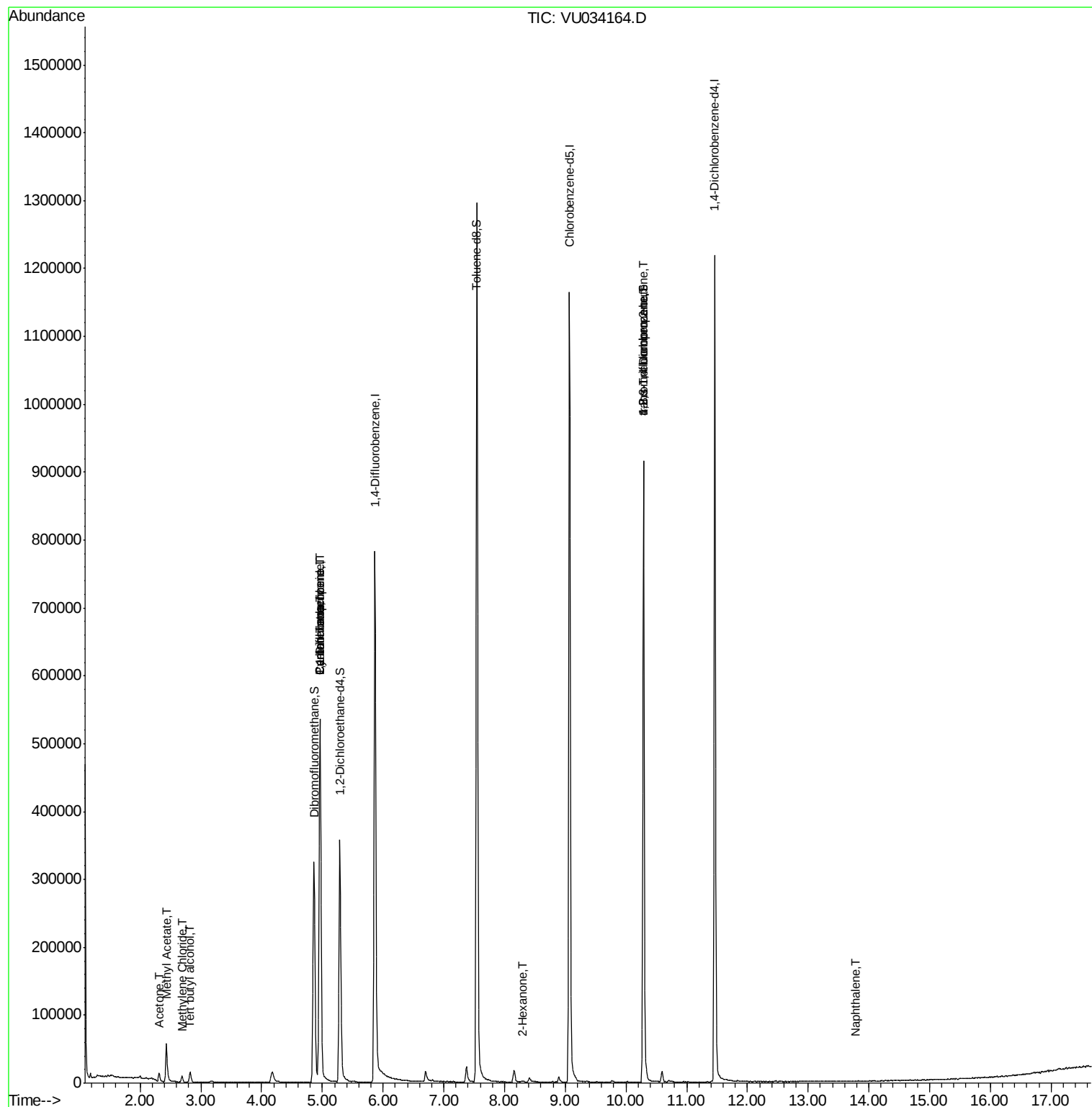
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	842	Below Cal		91
5) Bromomethane	1.58	94	105	Below Cal	#	2
11) Tert butyl alcohol	2.82	59	9768	7.556	ug/l #	75
16) Acetone	2.31	43	13988	4.890	ug/l	96
18) Methyl Acetate	2.43	43	14222	1.924	ug/l #	51
20) Methylene Chloride	2.69	84	4237	0.782	ug/l	93
31) Cyclohexane	4.96	56	8122	0.970	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	31792	4.815	ug/l #	49
38) Carbon Tetrachloride	4.96	117	41536	6.518	ug/l #	16
59) 2-Hexanone	8.30	43	1262	0.215	ug/l #	23
76) 1,2,3-Trichloropropane	10.29	75	152801	19.834	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.29	75	152801	66.786	ug/l #	100
95) Naphthalene	13.78	128	44	1.792	ug/l #	70

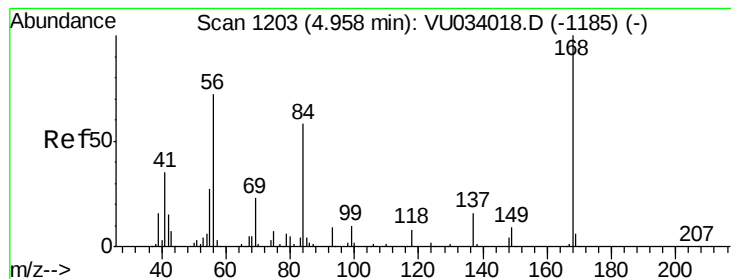
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU034164.D

Acq: 01 Sep 2019 13:23

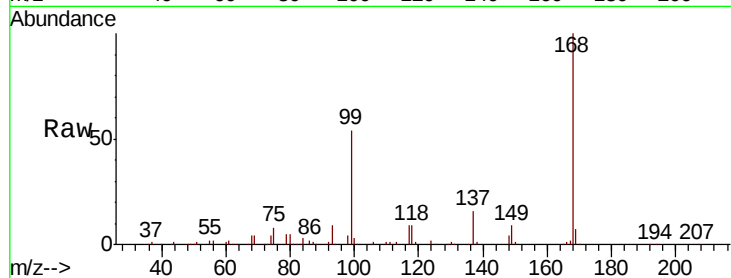
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 437513

Ion Ratio Lower Upper

168 100

99 53.8 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VU034164.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU034164.D (-1185) (-)

4.96

200000

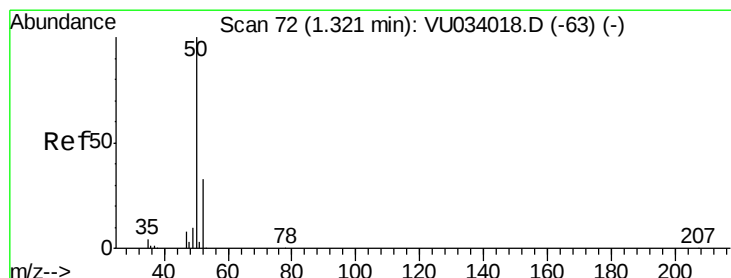
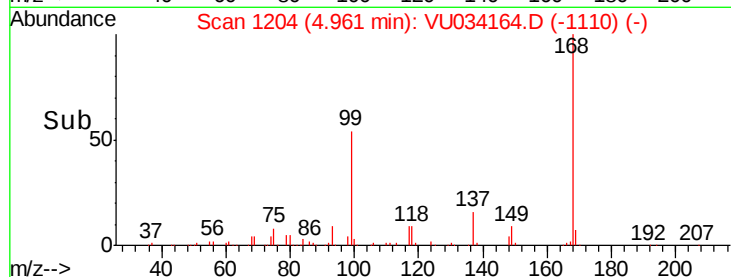
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034164.D

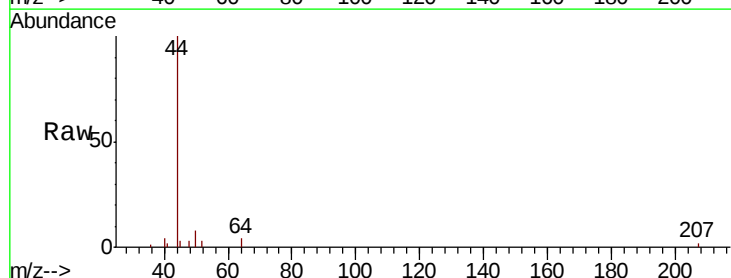
Acq: 01 Sep 2019 13:23

Tgt Ion: 50 Resp: 842

Ion Ratio Lower Upper

50 100

52 38.1 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VU034164.D (-1185) (-)

Ion 51.90 (51.60 to 52.60): VU034164.D (-1185) (-)

1.32

800

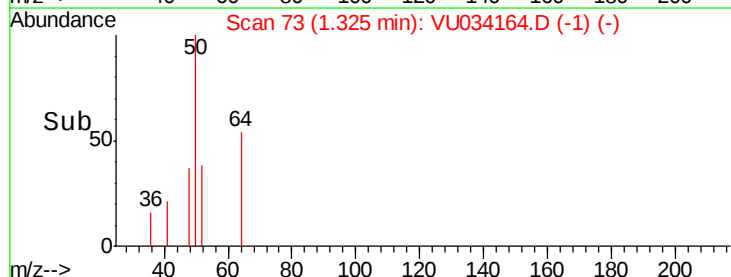
600

400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.58 min Scan# 151

Delta R.T. -0.02 min

Lab File: VU034164.D

Acq: 01 Sep 2019 13:23

Instrument :

MSVOA_U

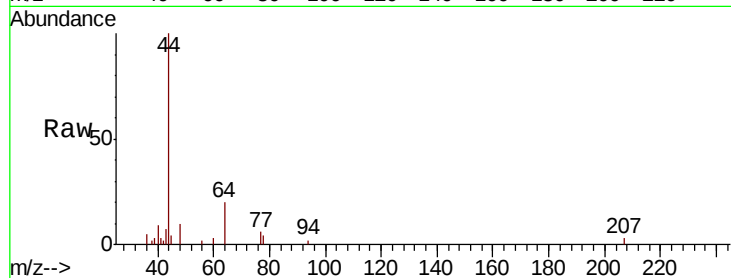
ClientSampleId :

Tot Ion: 94 Resp: 105

Ion Ratio Lower Upper

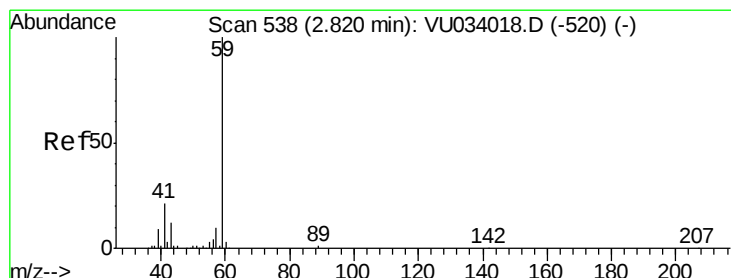
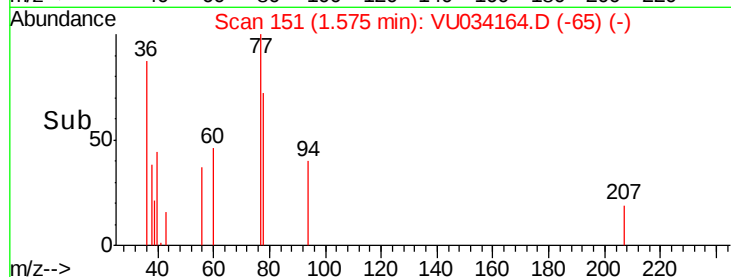
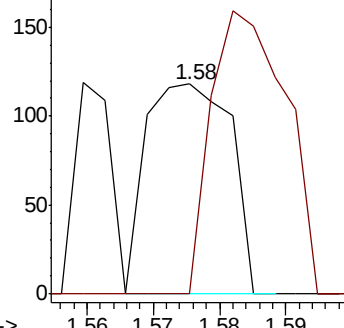
94 100

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: 7.556 ug/l

RT: 2.82 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU034164.D

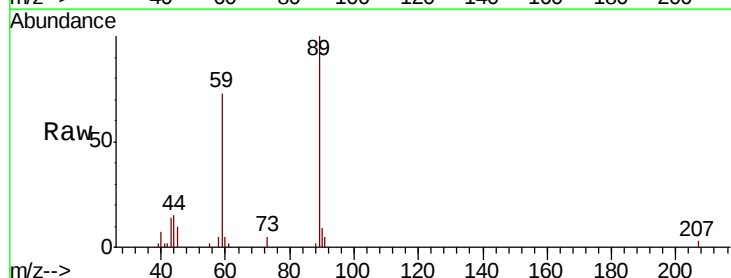
Acq: 01 Sep 2019 13:23

Tgt Ion: 59 Resp: 9768

Ion Ratio Lower Upper

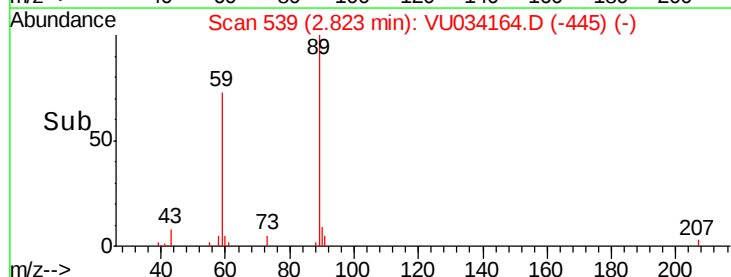
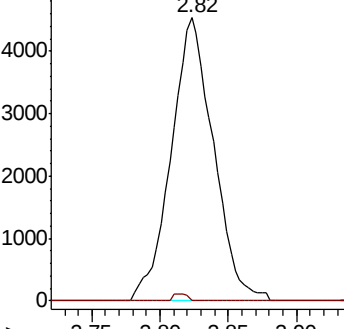
59 100

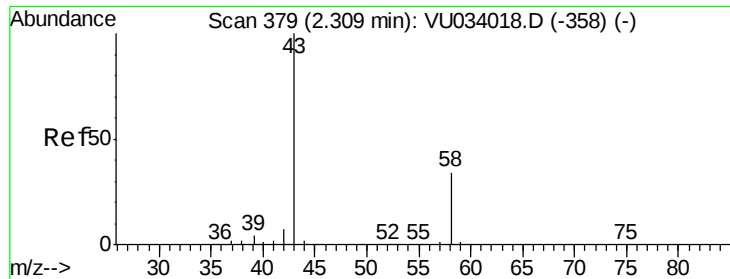
57 0.8 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#16

Acetone

Concen: 4.890 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034164.D

Acq: 01 Sep 2019 13:23

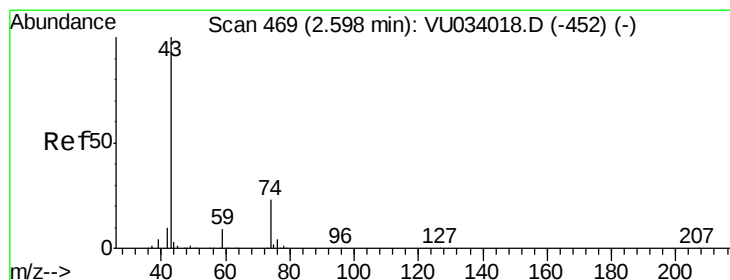
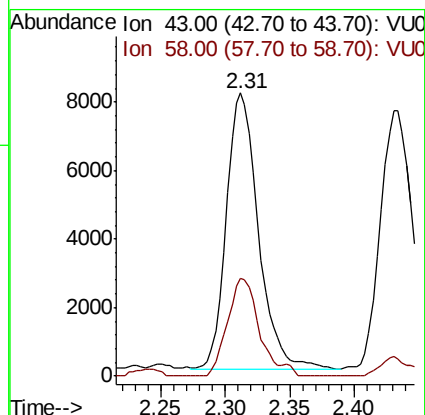
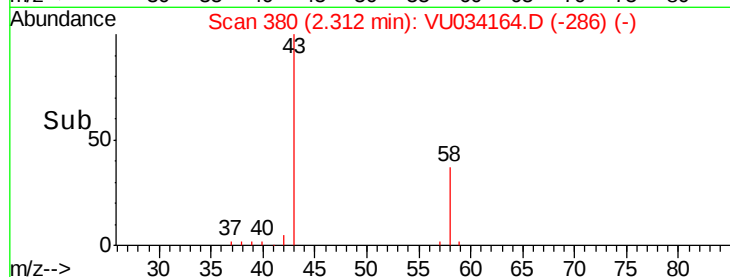
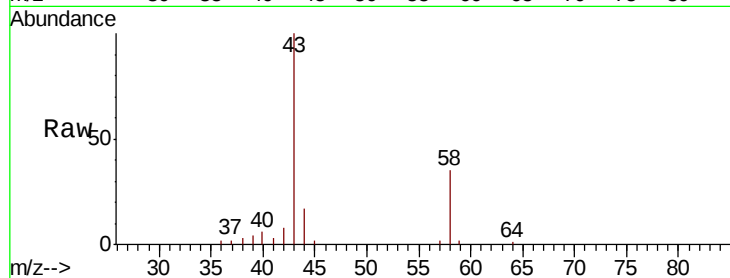
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 13988

Ion Ratio Lower Upper

43 100

58 35.5 26.8 40.2



#18

Methyl Acetate

Concen: 1.924 ug/l

RT: 2.43 min Scan# 418

Delta R.T. -0.16 min

Lab File: VU034164.D

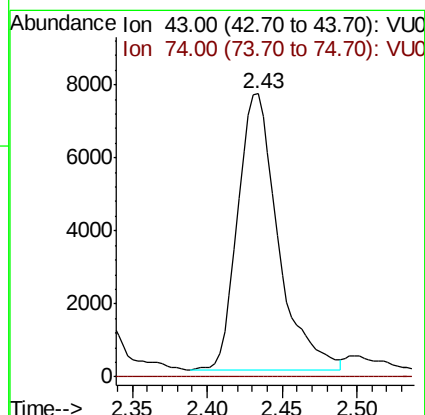
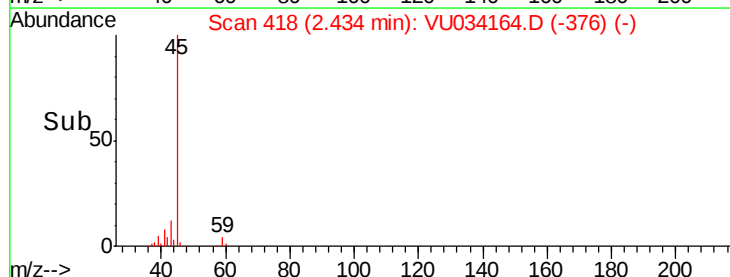
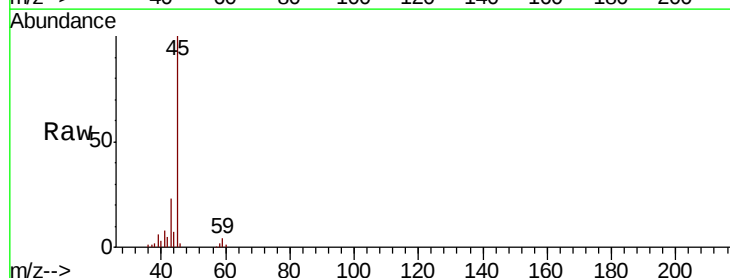
Acq: 01 Sep 2019 13:23

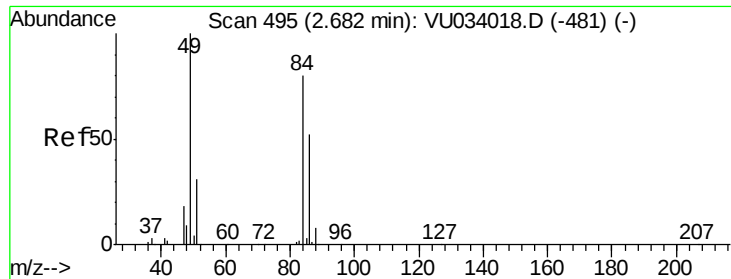
Tgt Ion: 43 Resp: 14222

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#

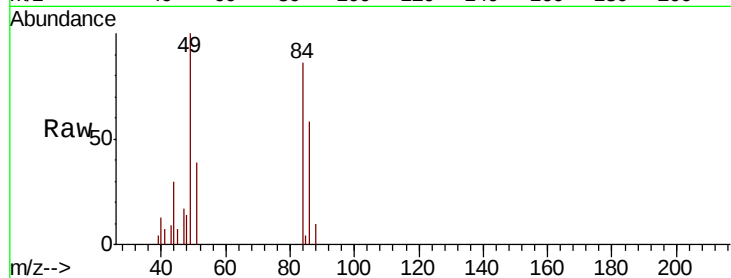




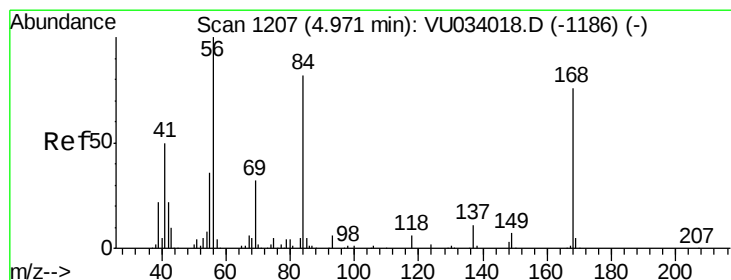
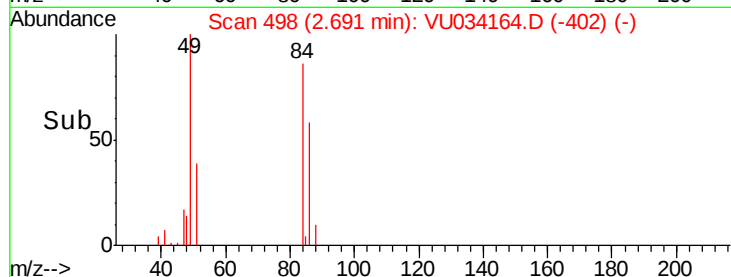
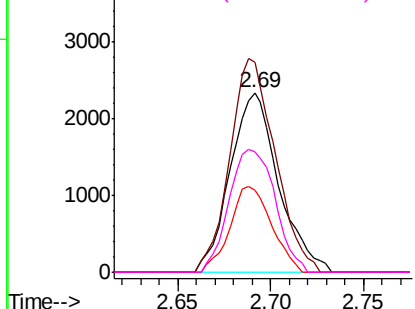
#20
Methylene Chloride
Concen: 0.782 ug/l
RT: 2.69 min Scan# 498
Delta R.T. 0.01 min
Lab File: VU034164.D
Acq: 01 Sep 2019 13:23

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	84	Resp:	4237
Ion	Ratio	Lower	Upper
84	100		
49	116.9	100.2	150.4
51	45.8	30.8	46.2
86	67.4	52.5	78.7

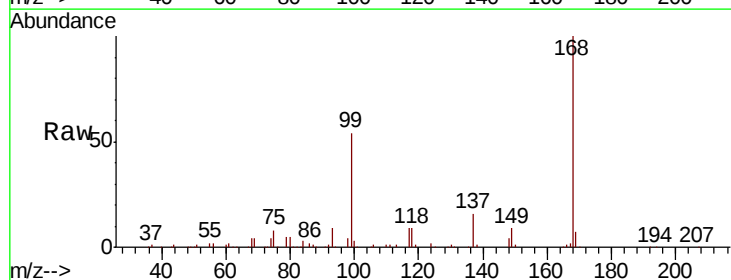


Abundance Ion 83.90 (83.60 to 84.60): VU0
Ion 48.90 (48.60 to 49.60): VU0
Ion 50.90 (50.60 to 51.60): VU0
Ion 85.90 (85.60 to 86.60): VU0

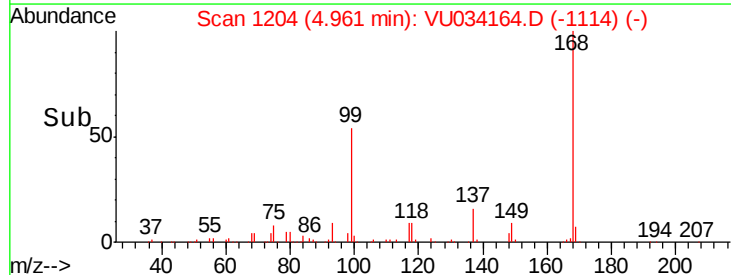
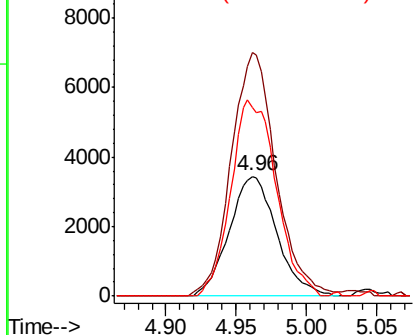


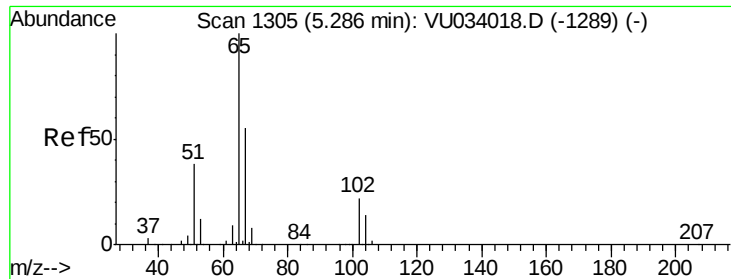
#31
Cyclohexane
Concen: 0.970 ug/l
RT: 4.96 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VU034164.D
Acq: 01 Sep 2019 13:23

Tgt Ion:	56	Resp:	8122
Ion	Ratio	Lower	Upper
56	100		
69	203.5	25.4	38.0#
84	158.1	65.8	98.8#



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

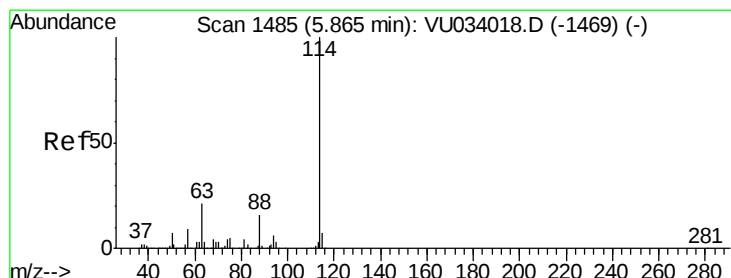
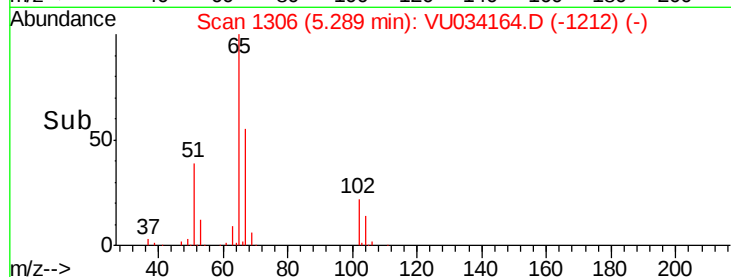
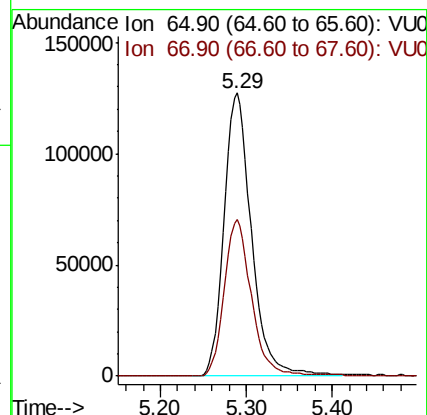
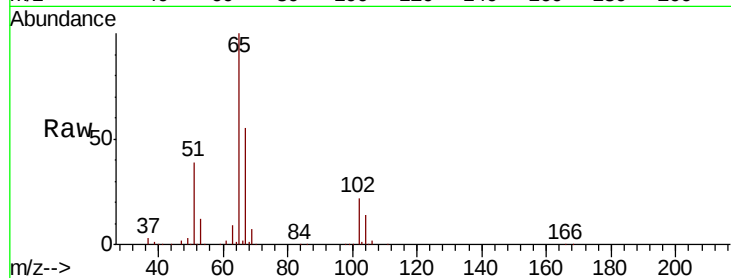




#33
 1,2-Dichloroethane-d4
 Concen: 50.547 ug/l
 RT: 5.29 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU034164.D
 Acq: 01 Sep 2019 13:23

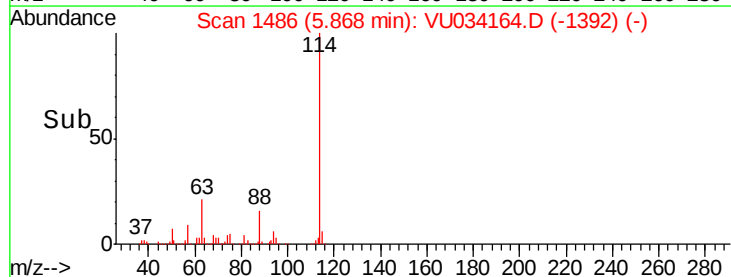
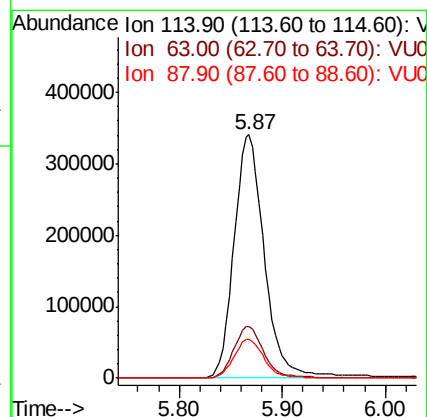
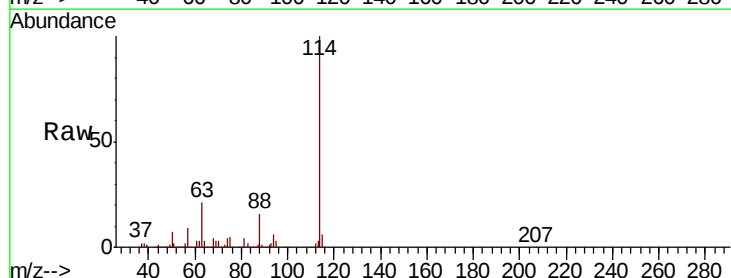
Instrument :
 MSVOA_U
 ClientSampleId :

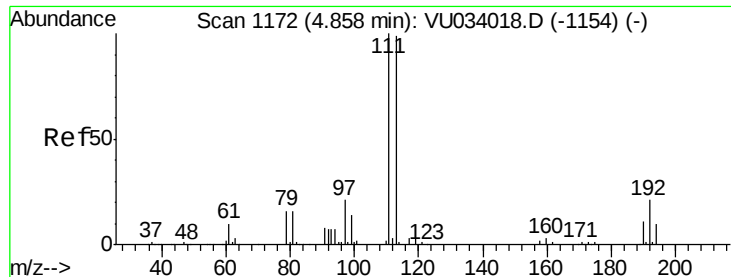
Tot Ion: 65 Resp: 283366
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034164.D
 Acq: 01 Sep 2019 13:23

Tgt Ion: 114 Resp: 697990
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 42.0
 88 15.8 0.0 32.0

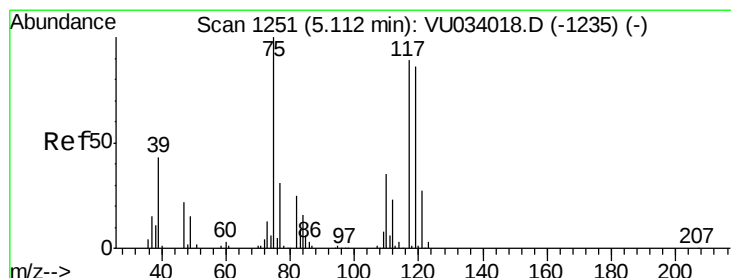
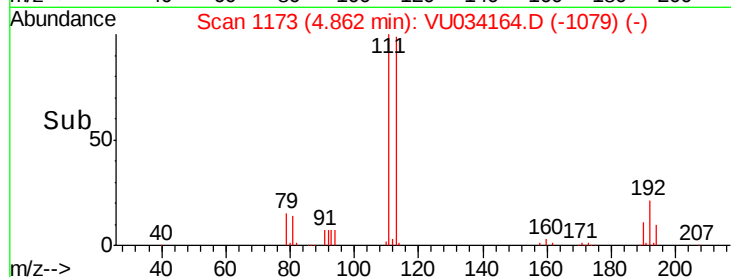
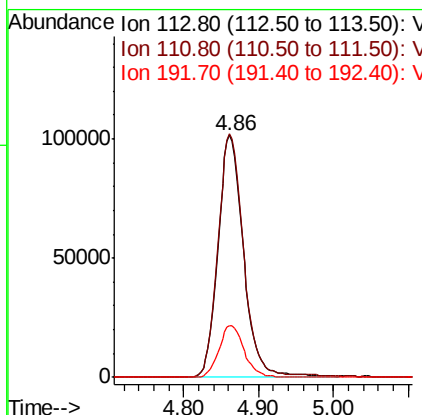
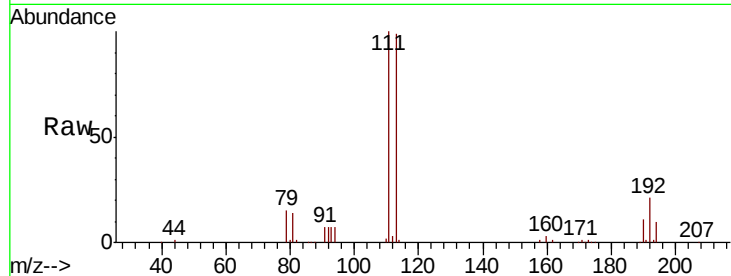




#35
 Dibromofluoromethane
 Concen: 49.552 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034164.D
 Acq: 01 Sep 2019 13:23

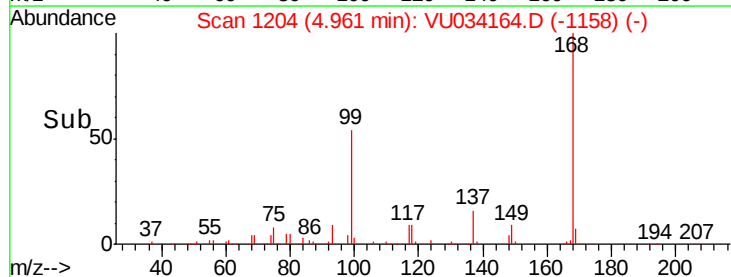
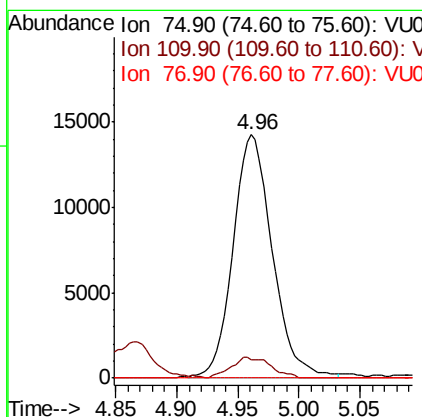
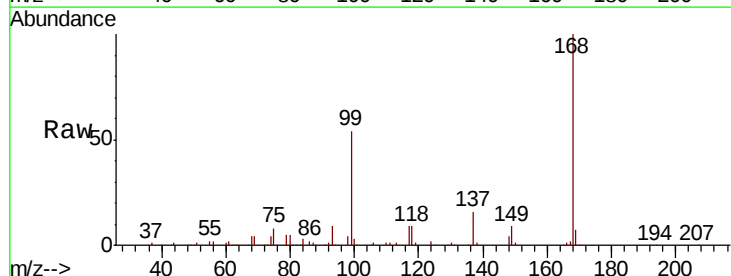
Instrument :
 MSVOA_U
 ClientSampled :

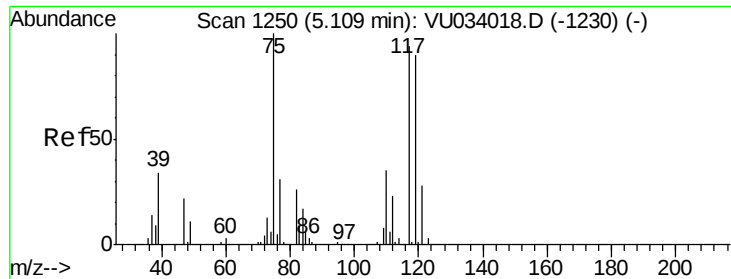
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.5	81.7	122.5
192	21.1	17.1	25.7



#36
 1,1-Dichloropropene
 Concen: 4.815 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034164.D
 Acq: 01 Sep 2019 13:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	17.8	53.5#
77	0.0	25.0	37.4#

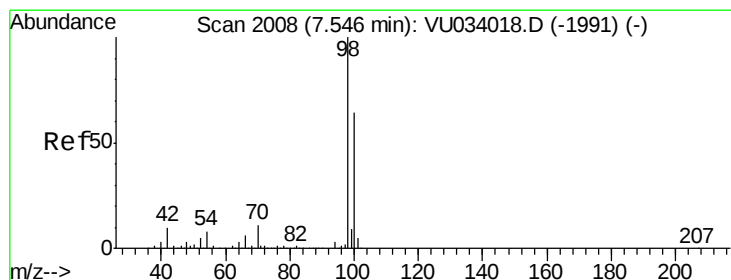
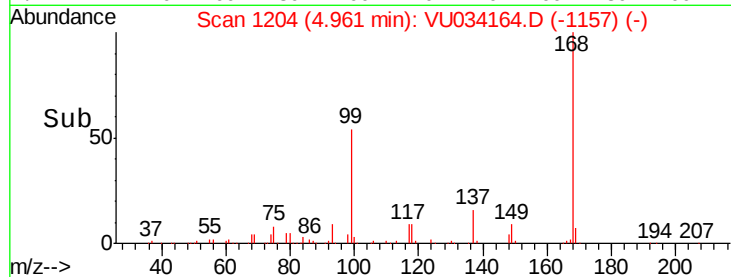
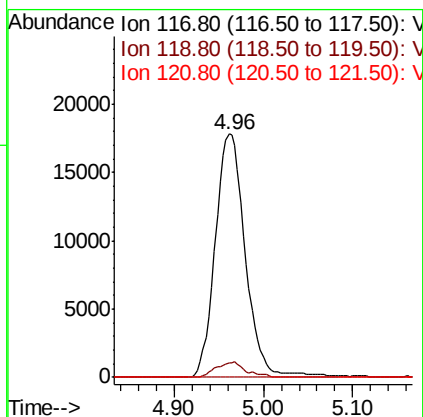
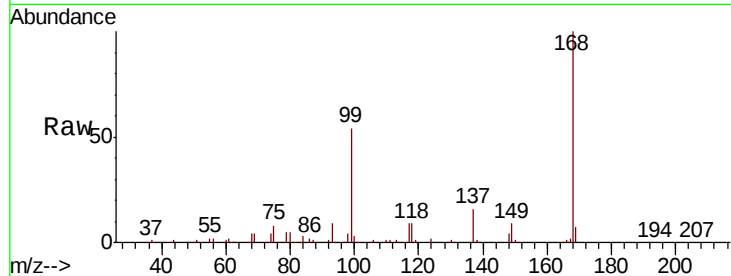




#38
 Carbon Tetrachloride
 Concen: 6.518 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034164.D
 Acq: 01 Sep 2019 13:23

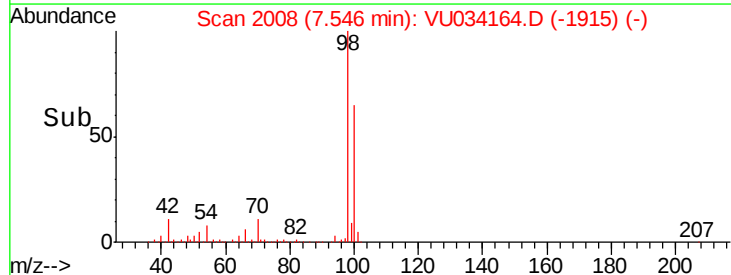
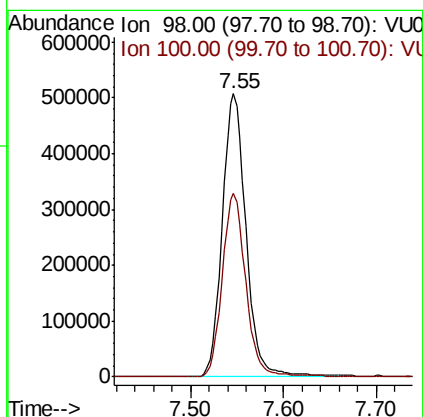
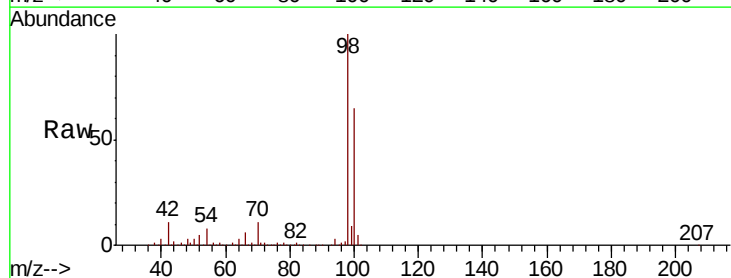
Instrument :
 MSVOA_U
 ClientSampleId :

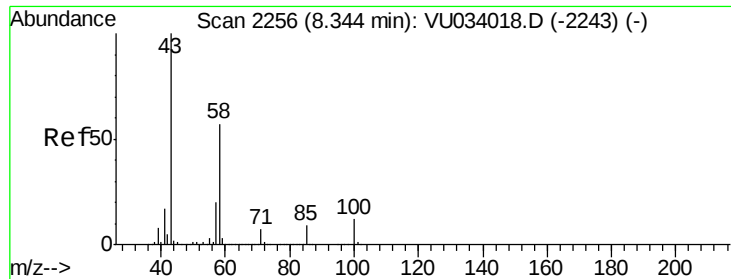
Tot Ion:117 Resp: 41536
 Ion Ratio Lower Upper
 117 100
 119 5.7 77.0 115.4#
 121 0.0 23.9 35.9#



#50
 Toluene-d8
 Concen: 49.700 ug/l
 RT: 7.55 min Scan# 2008
 Delta R.T. -0.00 min
 Lab File: VU034164.D
 Acq: 01 Sep 2019 13:23

Tgt Ion: 98 Resp: 900921
 Ion Ratio Lower Upper
 98 100
 100 64.7 50.3 75.5

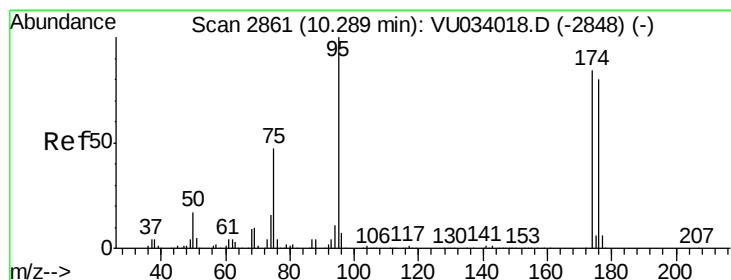
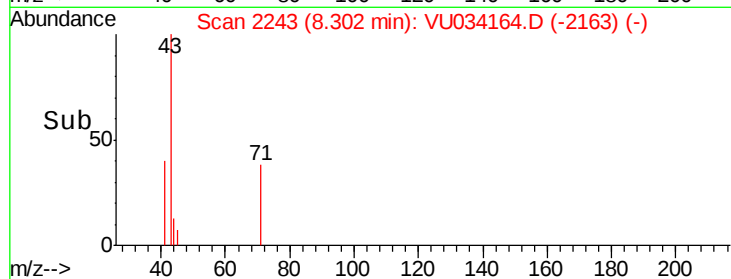
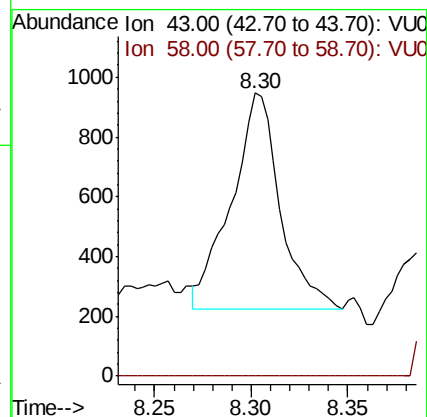
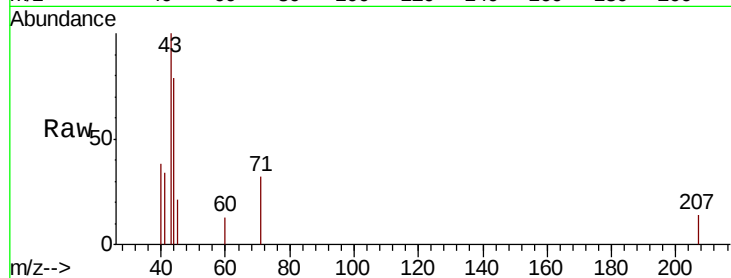




#59
2-Hexanone
Concen: 0.215 ug/l
RT: 8.30 min Scan# 2243
Delta R.T. -0.04 min
Lab File: VU034164.D
Acq: 01 Sep 2019 13:23

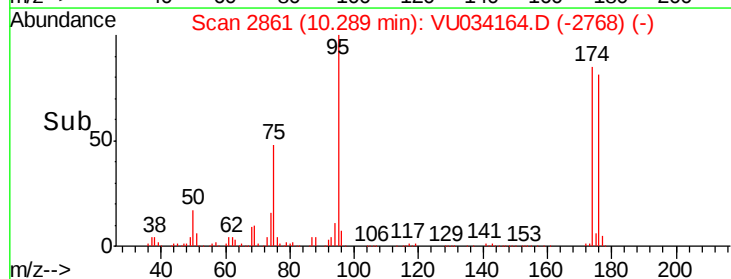
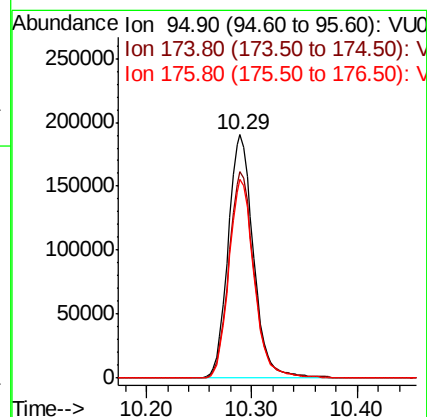
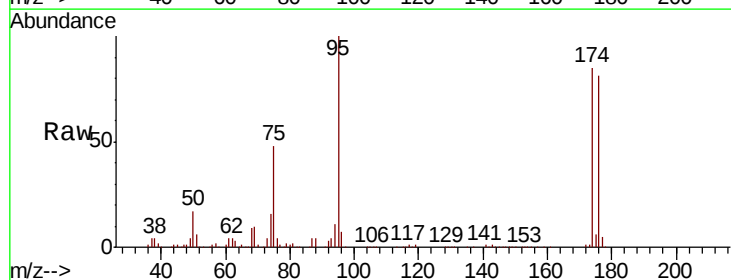
Instrument :
MSVOA_U
ClientSampleId :

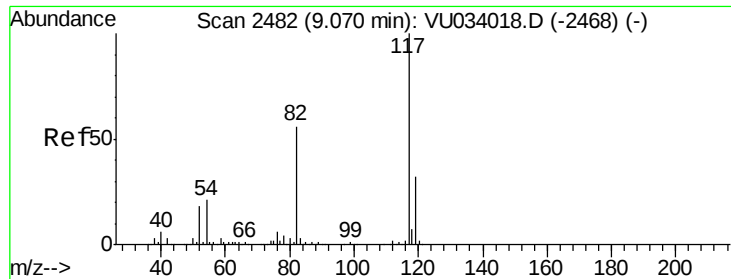
Tot Ion: 43 Resp: 1262
Ion Ratio Lower Upper
43 100
58 0.0 28.4 85.3#



#62
4-Bromofluorobenzene
Concen: 44.856 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. 0.00 min
Lab File: VU034164.D
Acq: 01 Sep 2019 13:23

Tgt Ion: 95 Resp: 316296
Ion Ratio Lower Upper
95 100
174 85.4 0.0 168.8
176 81.3 0.0 161.8

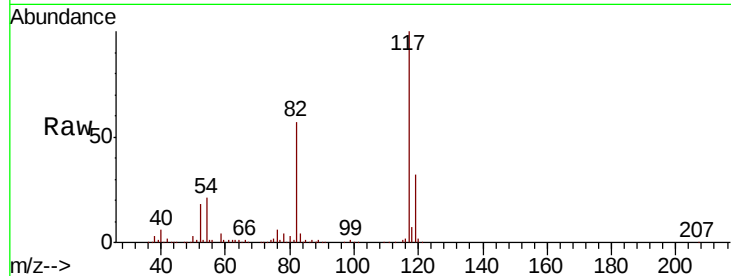




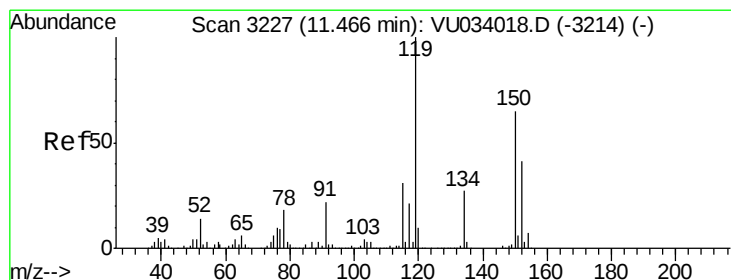
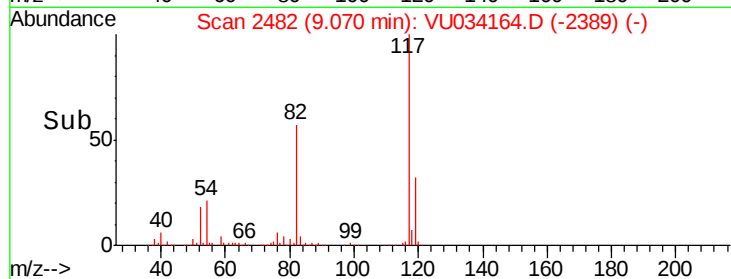
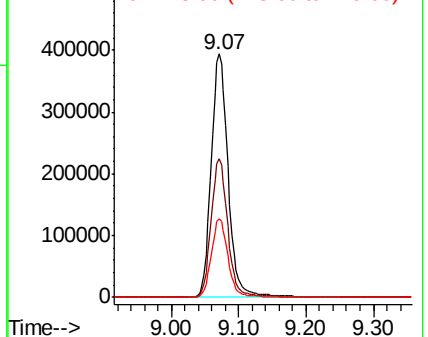
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034164.D
Acq: 01 Sep 2019 13:23

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:117 Resp: 689624
Ion Ratio Lower Upper
117 100
82 57.1 45.1 67.7
119 32.5 25.4 38.0

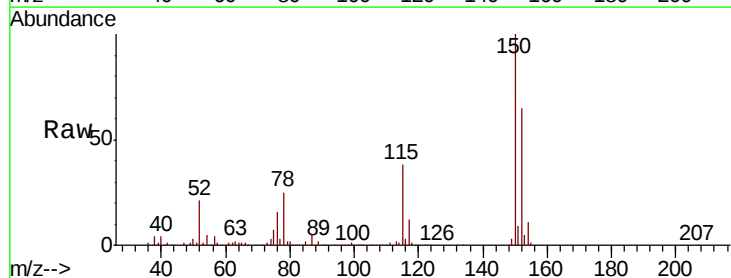


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

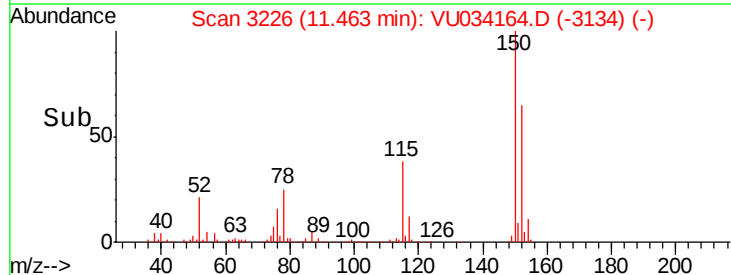
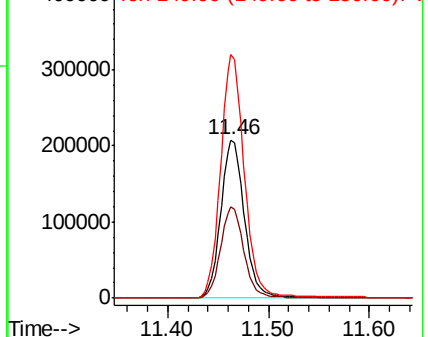


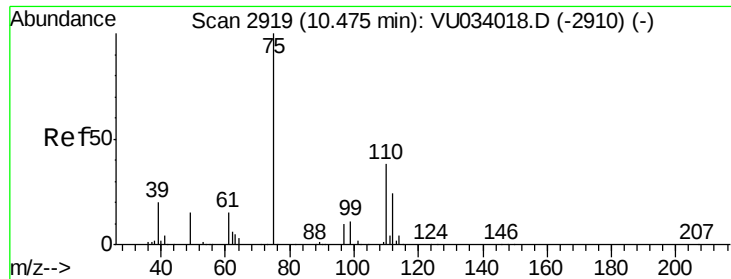
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VU034164.D
Acq: 01 Sep 2019 13:23

Tgt Ion:152 Resp: 341818
Ion Ratio Lower Upper
152 100
115 57.2 41.1 123.3
150 155.1 0.0 348.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 19.834 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.19 min

Lab File: VU034164.D

Acq: 01 Sep 2019 13:23

Instrument :

MSVOA_U

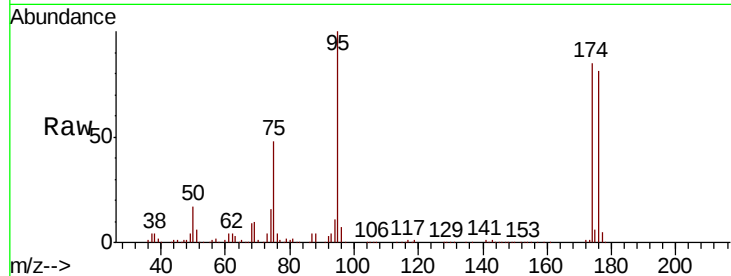
ClientSampled :

Tot Ion: 75 Resp: 152801

Ion Ratio Lower Upper

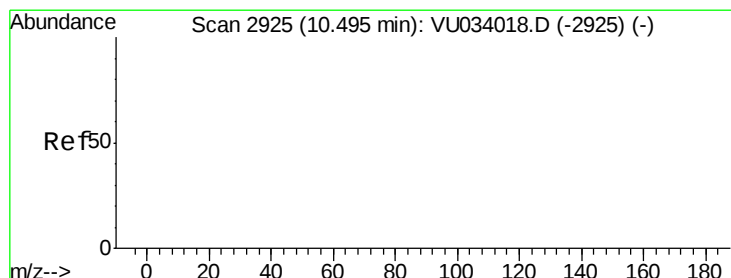
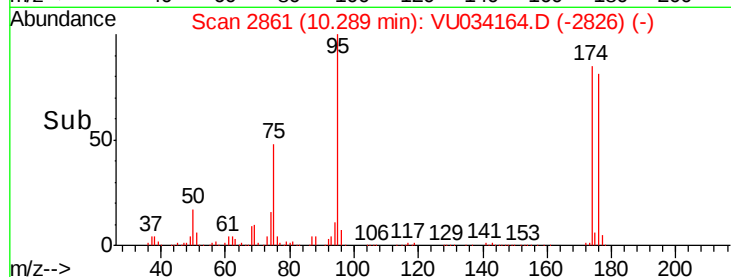
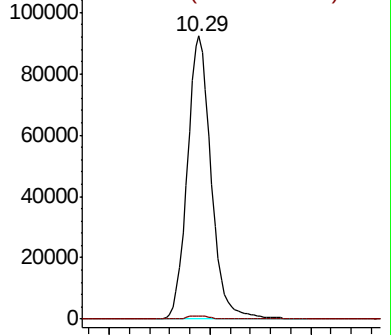
75 100

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: 66.786 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.21 min

Lab File: VU034164.D

Acq: 01 Sep 2019 13:23

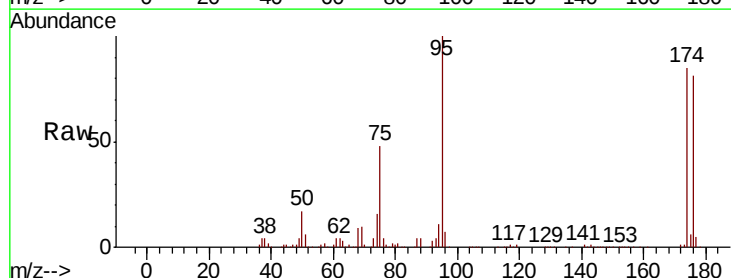
Tgt Ion: 75 Resp: 152801

Ion Ratio Lower Upper

75 100

53 0.2 0.0 0.0#

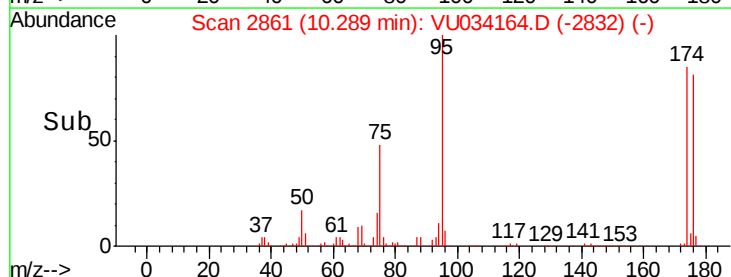
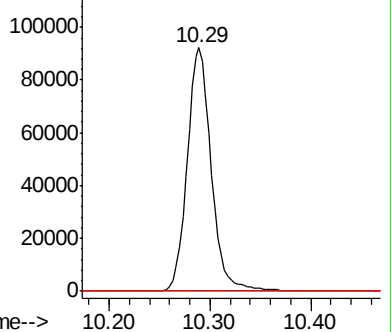
89 0.0 0.0 0.0

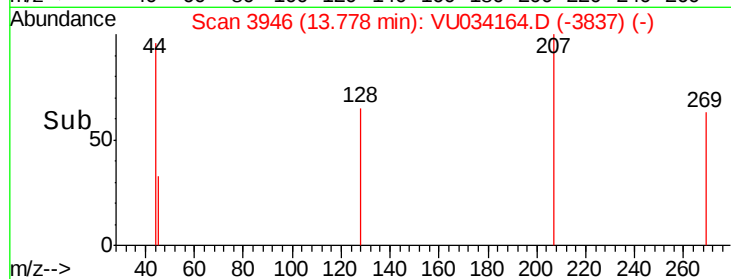
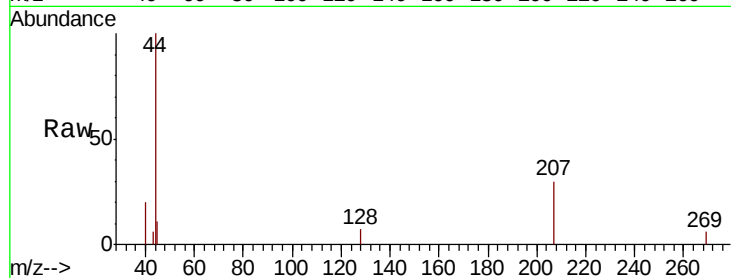
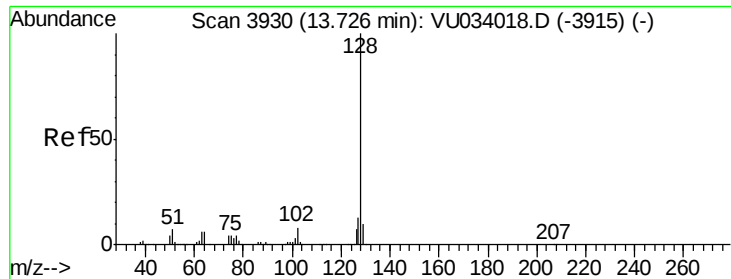


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#95

Naphthalene

Concen: 1.792 ug/l

RT: 13.78 min Scan# 3946

Delta R.T. 0.05 min

Lab File: VU034164.D

Acq: 01 Sep 2019 13:23

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:128 Resp: 44

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.4 12.6#

