

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090219\
 Data File : VU034161.D
 Acq On : 01 Sep 2019 12:13
 Operator : JC/SP
 Sample : K4648-09
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 02 08:30:48 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	435672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	694497	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	671947	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	332009	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	282055	50.53	ug/l	0.00
Spiked Amount			Recovery	=	101.06%	
35) Dibromofluoromethane	4.86	113	232190	48.20	ug/l	0.00
Spiked Amount			Recovery	=	96.40%	
50) Toluene-d8	7.55	98	889744	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
62) 4-Bromofluorobenzene	10.29	95	308513	43.97	ug/l	0.00
Spiked Amount			Recovery	=	87.94%	

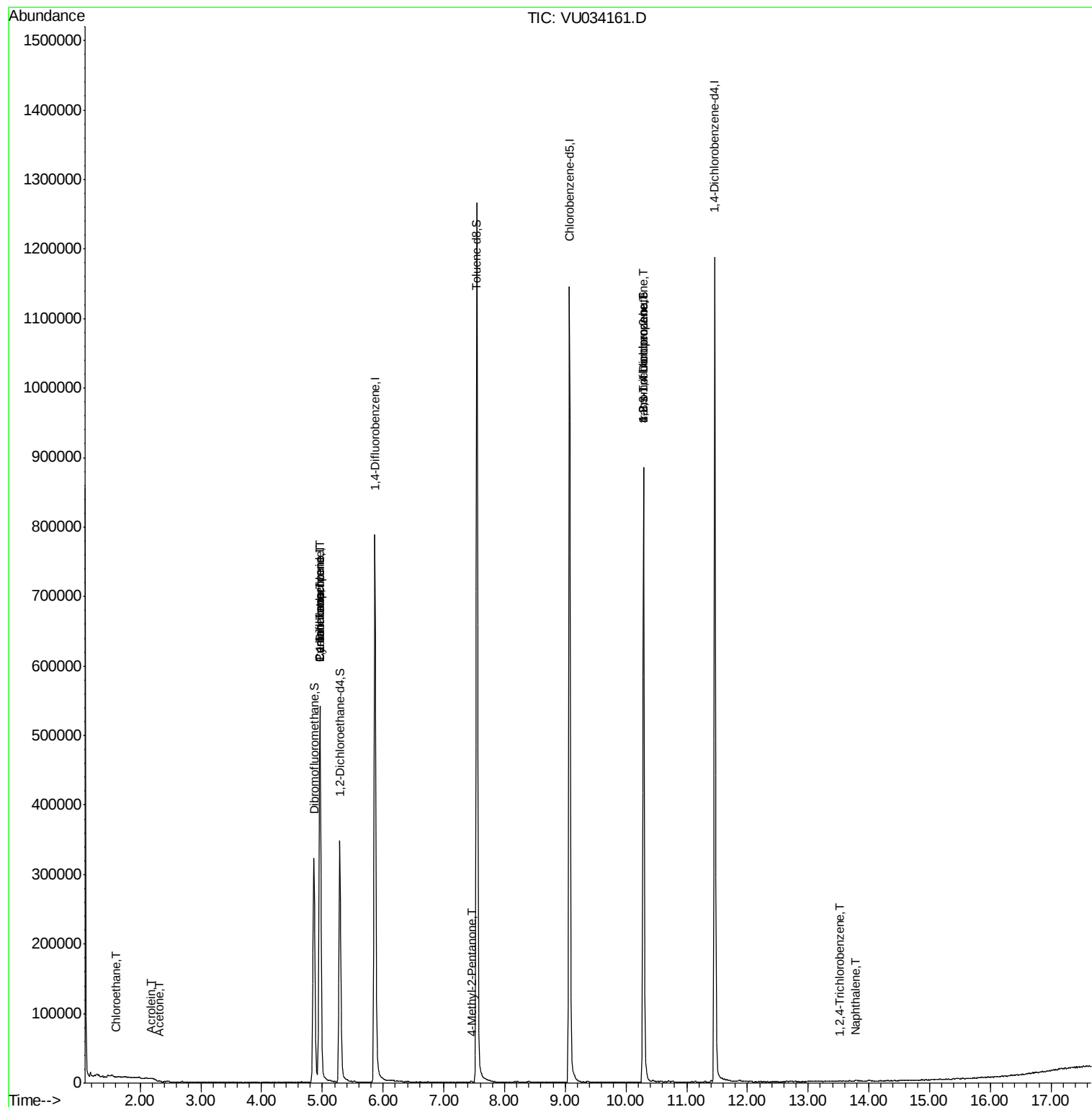
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	752	Below Cal		99
5) Bromomethane	1.59	94	72	Below Cal	#	2
6) Chloroethane	1.61	64	790	0.222	ug/l #	43
13) Acrolein	2.19	56	295	0.545	ug/l	97
16) Acetone	2.32	43	1414	0.496	ug/l #	69
31) Cyclohexane	4.96	56	8115	0.973	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	31826	4.845	ug/l #	48
38) Carbon Tetrachloride	4.96	117	39834	6.282	ug/l #	16
51) 4-Methyl-2-Pentanone	7.46	43	1947	0.252	ug/l #	63
76) 1,2,3-Trichloropropane	10.29	75	148259	19.813	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.29	75	148259	66.715	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.54	180	406	1.169	ug/l #	71
95) Naphthalene	13.77	128	1776	1.872	ug/l #	71

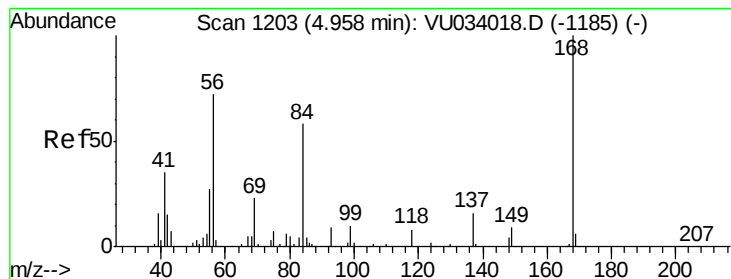
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034161.D

Acq: 01 Sep 2019 12:13

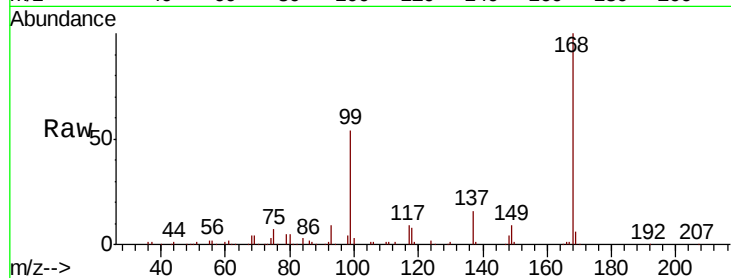
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 435672

Ion Ratio Lower Upper

168 100

99 53.8 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

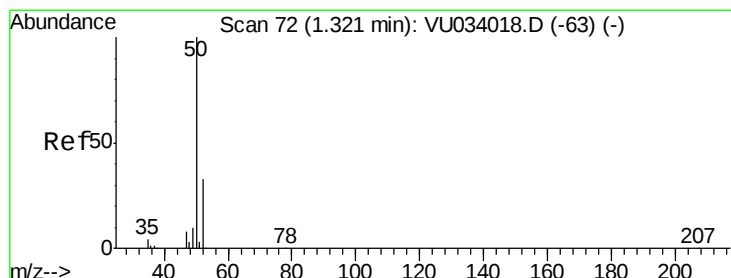
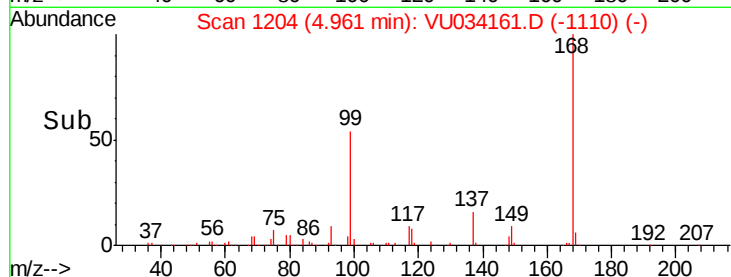
100000

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: VU034161.D

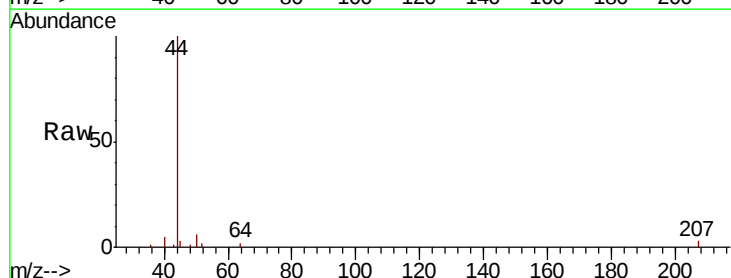
Acq: 01 Sep 2019 12:13

Tgt Ion: 50 Resp: 752

Ion Ratio Lower Upper

50 100

52 33.1 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

600

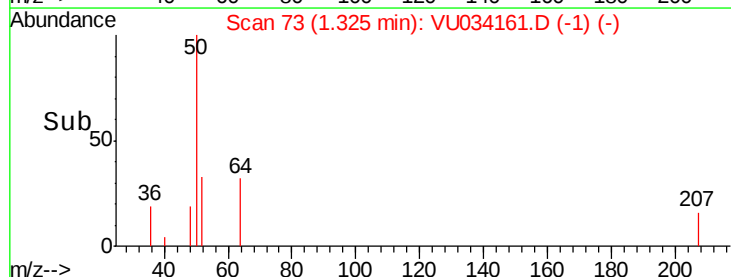
400

200

0

1.30 1.32 1.34 1.36

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.59 min Scan# 154

Delta R.T. -0.01 min

Lab File: VU034161.D

Acq: 01 Sep 2019 12:13

Instrument :

MSVOA_U

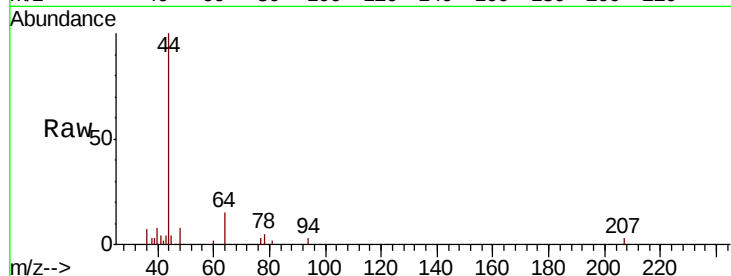
ClientSampled :

Tot Ion: 94 Resp: 72

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

1.59

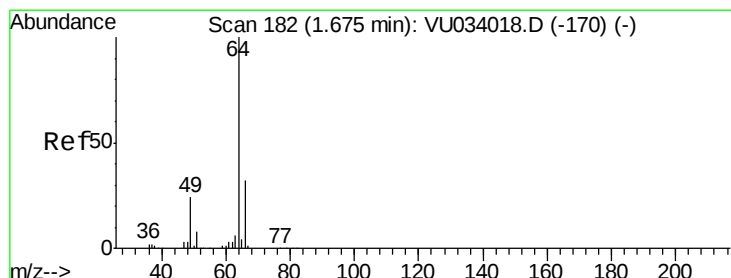
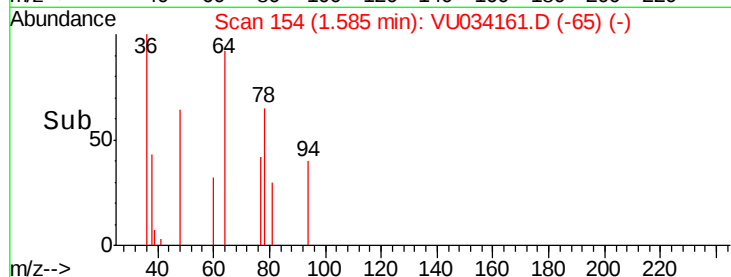
150

100

50

0

Time-->



#6

Chloroethane

Concen: 0.222 ug/l

RT: 1.61 min Scan# 161

Delta R.T. -0.07 min

Lab File: VU034161.D

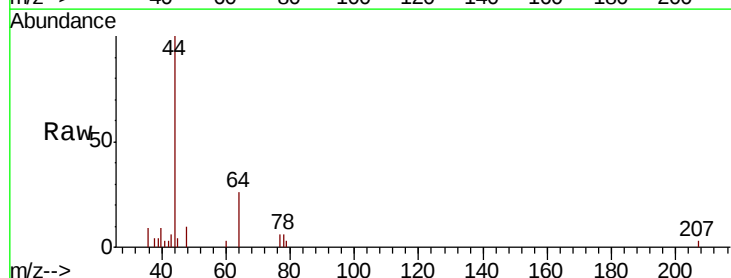
Acq: 01 Sep 2019 12:13

Tgt Ion: 64 Resp: 790

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

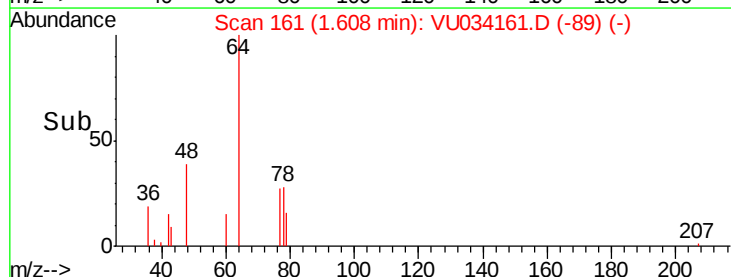
1.61

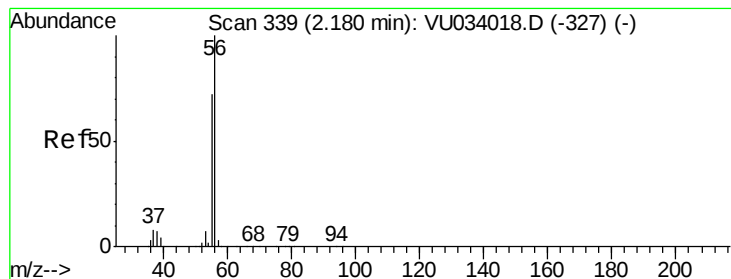
1000

500

0

Time-->





#13

Acrolein

Concen: 0.545 ug/l

RT: 2.19 min Scan# 341

Delta R.T. 0.01 min

Lab File: VU034161.D

Acq: 01 Sep 2019 12:13

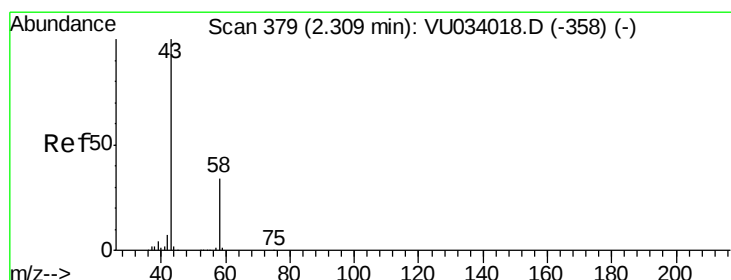
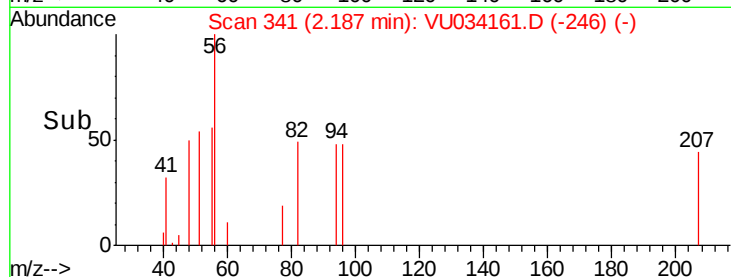
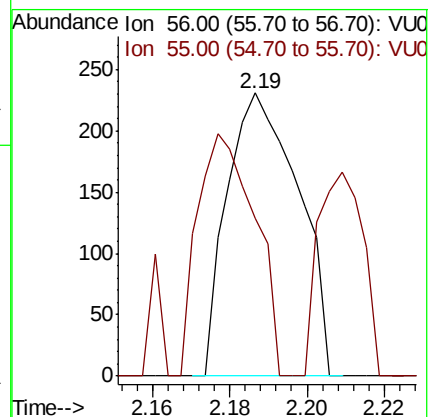
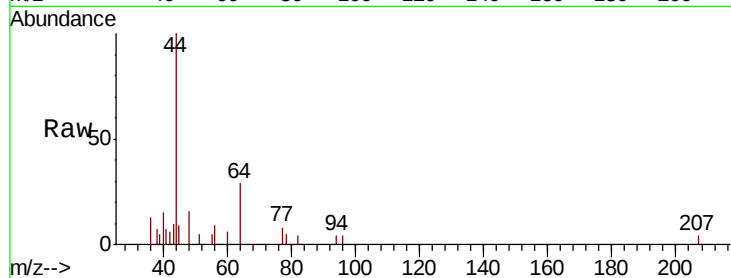
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 295

Ion Ratio Lower Upper

56 100

55 68.8 57.1 85.7



#16

Acetone

Concen: 0.496 ug/l

RT: 2.32 min Scan# 381

Delta R.T. 0.01 min

Lab File: VU034161.D

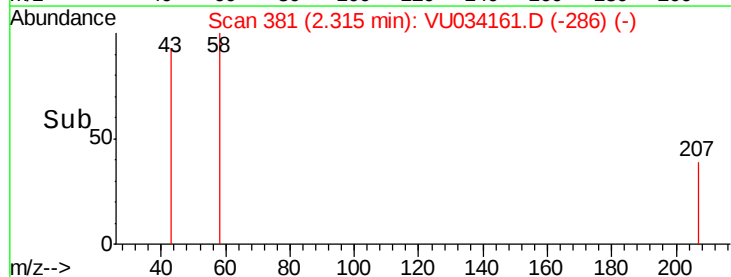
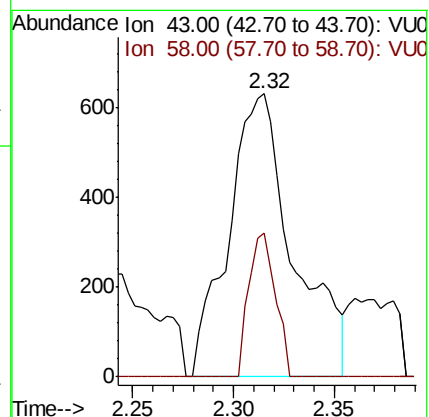
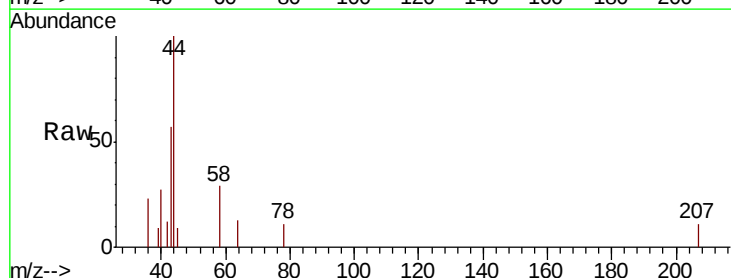
Acq: 01 Sep 2019 12:13

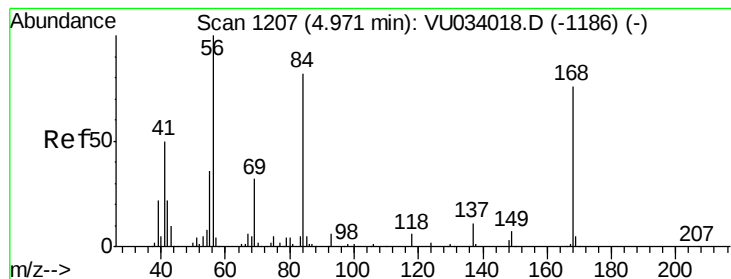
Tgt Ion: 43 Resp: 1414

Ion Ratio Lower Upper

43 100

58 51.0 26.8 40.2#





#31

Cyclohexane

Concen: 0.973 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. -0.01 min

Lab File: VU034161.D

Acq: 01 Sep 2019 12:13

Instrument :
MSVOA_U
ClientSampled :

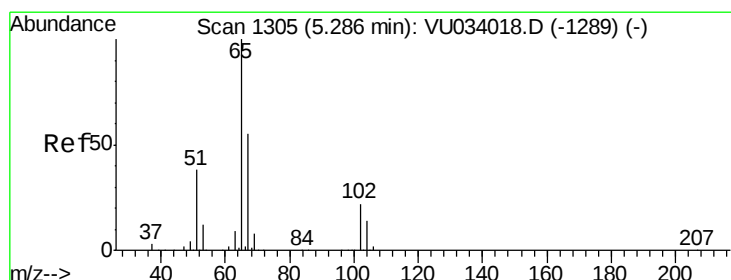
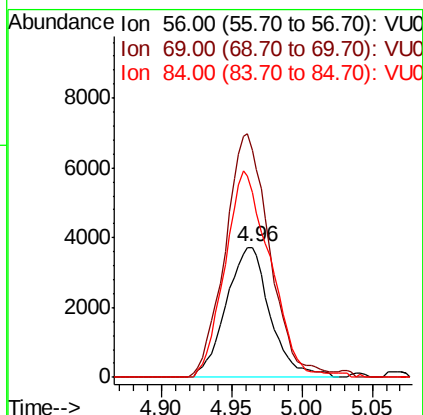
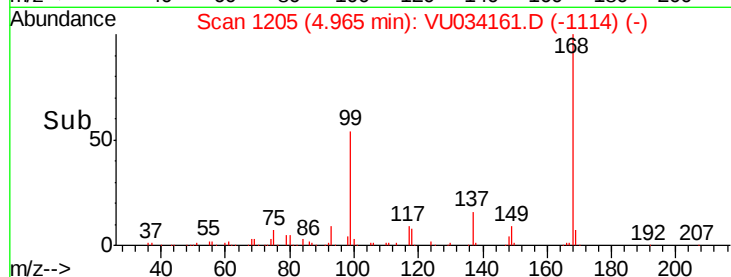
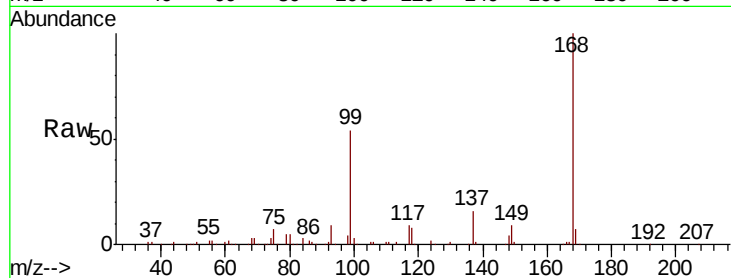
Tot Ion: 56 Resp: 8115

Ion Ratio Lower Upper

56 100

69 175.0 25.4 38.0#

84 142.7 65.8 98.8#



#33

1,2-Dichloroethane-d4

Concen: 50.525 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU034161.D

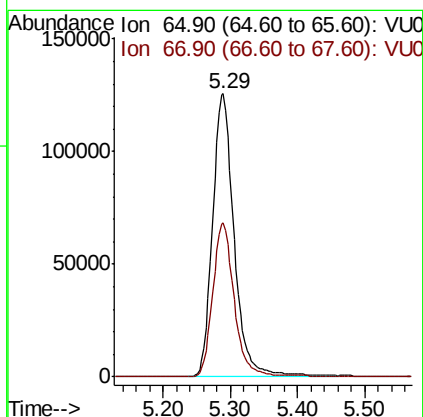
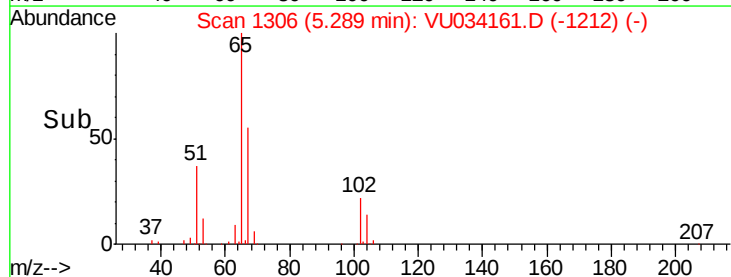
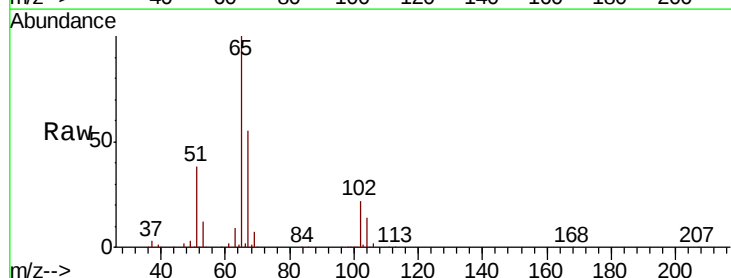
Acq: 01 Sep 2019 12:13

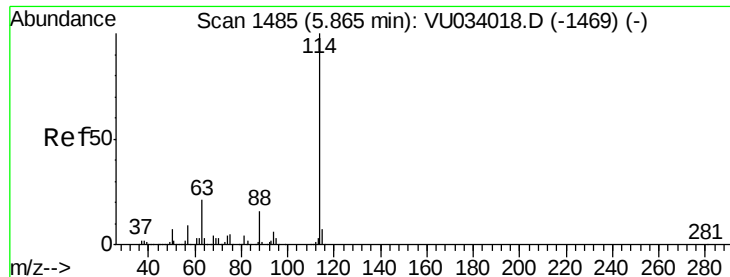
Tgt Ion: 65 Resp: 282055

Ion Ratio Lower Upper

65 100

67 54.1 0.0 110.6

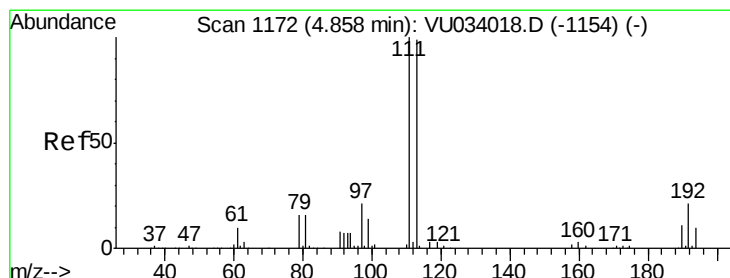
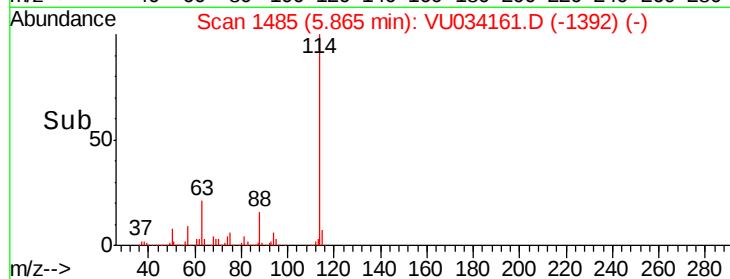
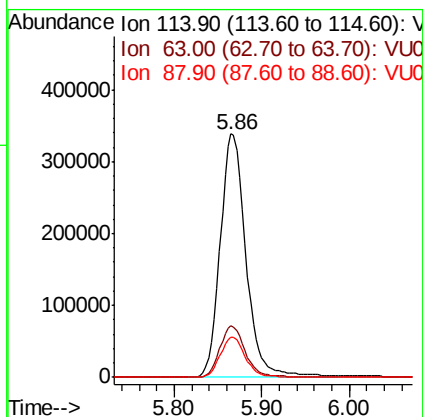
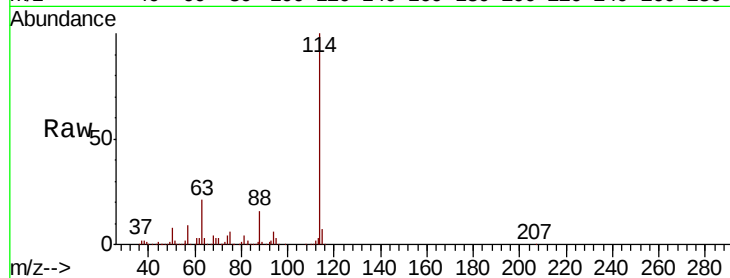




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034161.D
 Acq: 01 Sep 2019 12:13

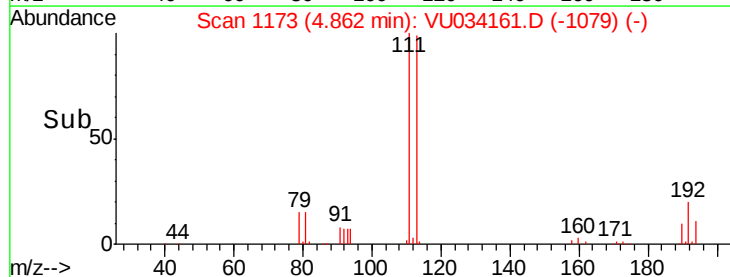
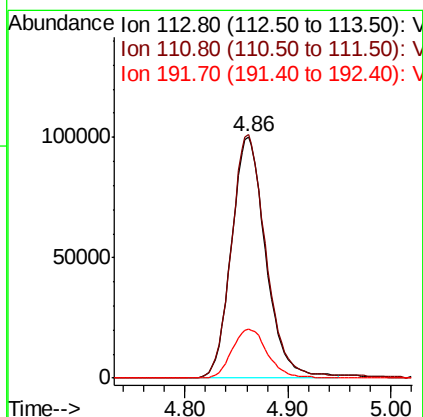
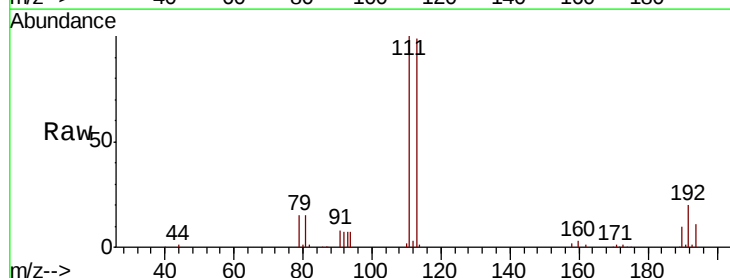
Instrument :
 MSVOA_U
 ClientSampleId :

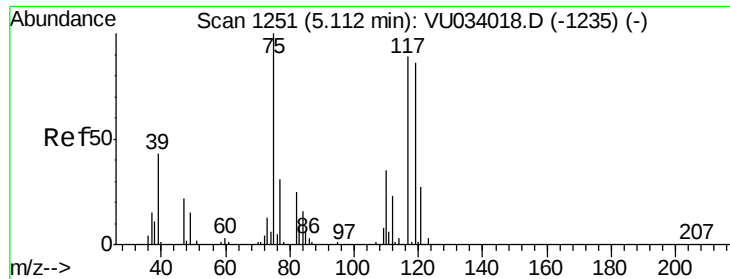
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	42.0
88	16.3	0.0	32.0



#35
 Dibromofluoromethane
 Concen: 48.203 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034161.D
 Acq: 01 Sep 2019 12:13

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.7	122.5
192	21.3	17.1	25.7

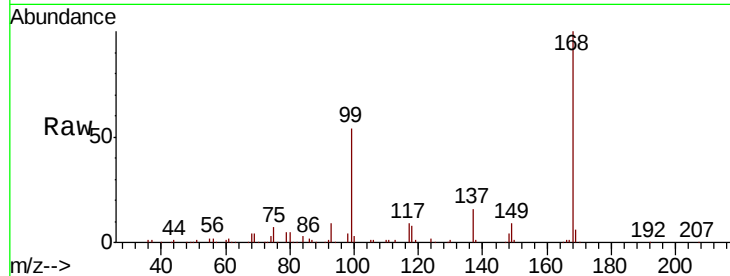




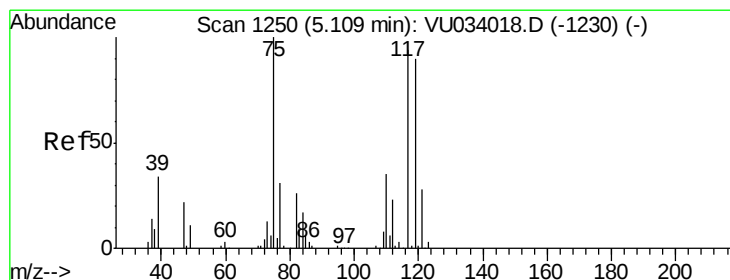
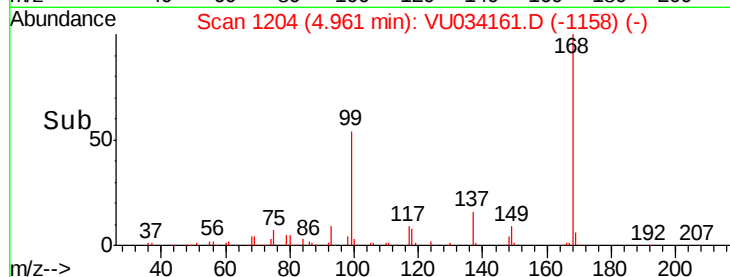
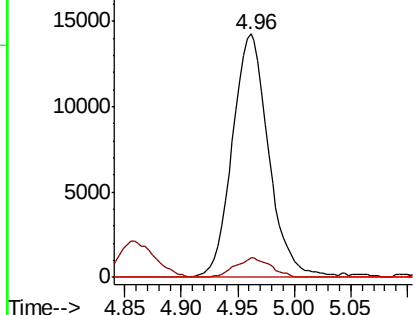
#36
 1,1-Dichloropropene
 Concen: 4.845 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034161.D
 Acq: 01 Sep 2019 12:13

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#

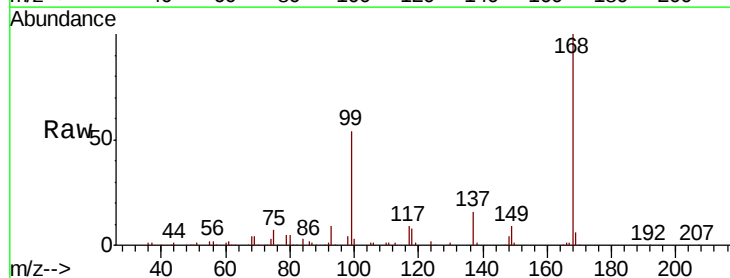


Abundance Ion 74.90 (74.60 to 75.60): VU034018.D (-1235) (-)
 Ion 109.90 (109.60 to 110.60): VU034018.D (-1235) (-)
 Ion 76.90 (76.60 to 77.60): VU034018.D (-1235) (-)

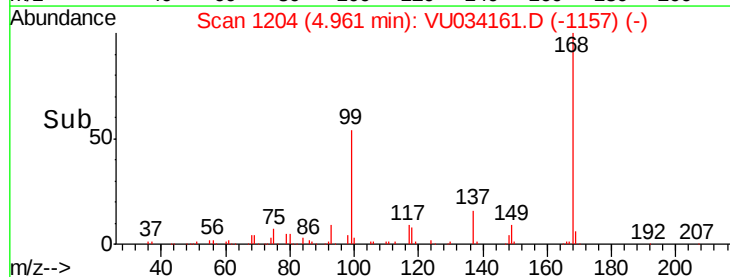
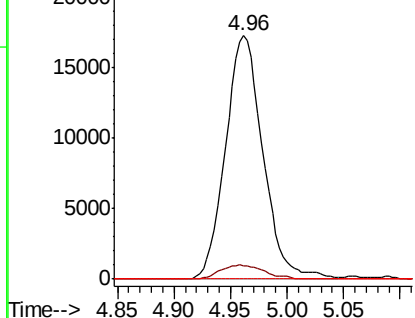


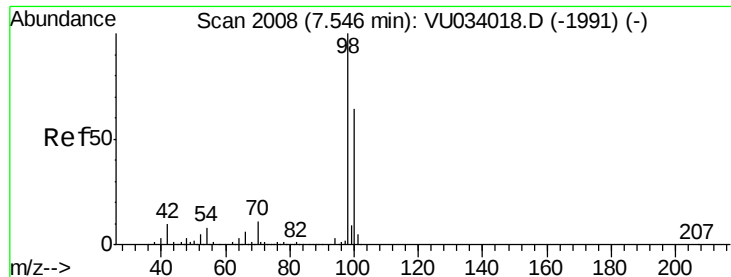
#38
 Carbon Tetrachloride
 Concen: 6.282 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034161.D
 Acq: 01 Sep 2019 12:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	77.0	115.4#
121	0.0	23.9	35.9#



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





#50

Toluene-d8

Concen: 49.330 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VU034161.D

Acq: 01 Sep 2019 12:13

Instrument :

MSVOA_U

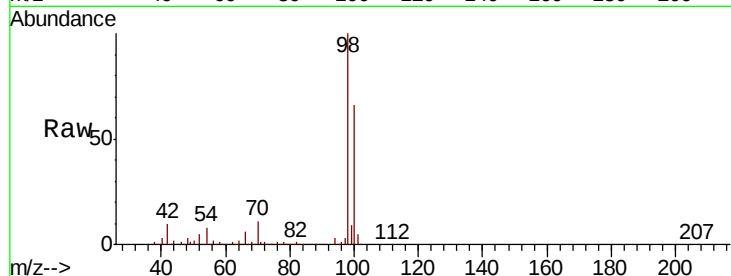
ClientSampled :

Tot Ion: 98 Resp: 889744

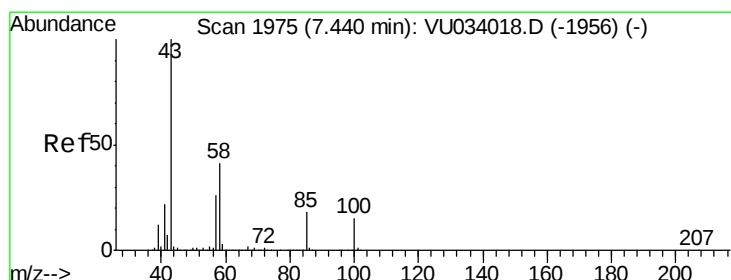
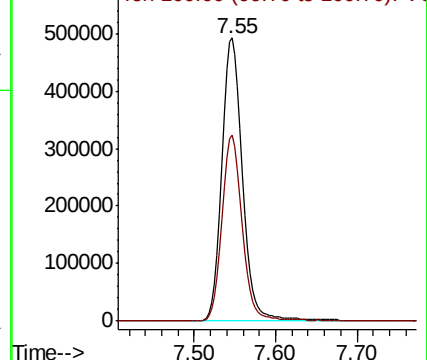
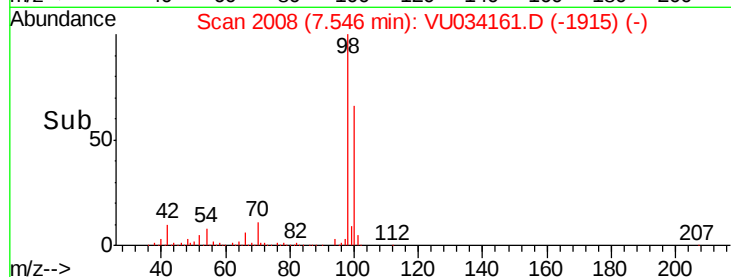
Ion Ratio Lower Upper

98 100

100 64.3 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VU034161.D (-1915) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.252 ug/l

RT: 7.46 min Scan# 1981

Delta R.T. 0.02 min

Lab File: VU034161.D

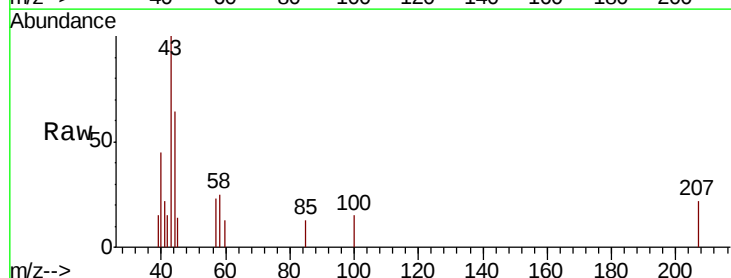
Acq: 01 Sep 2019 12:13

Tgt Ion: 43 Resp: 1947

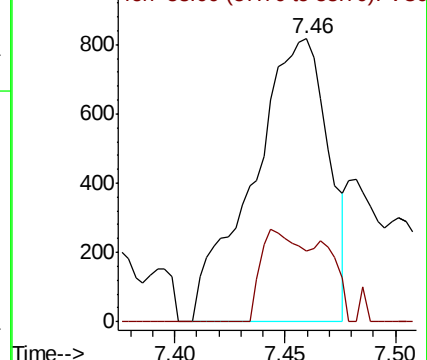
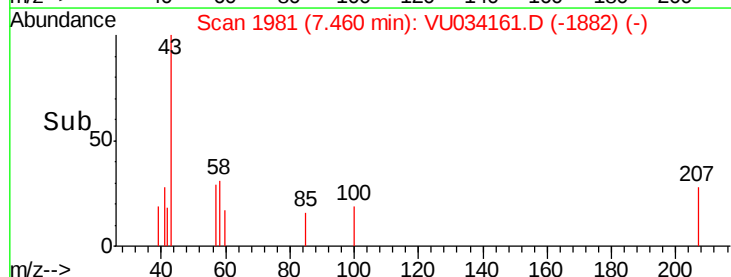
Ion Ratio Lower Upper

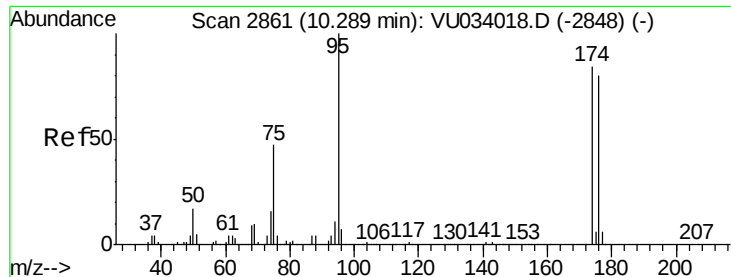
43 100

58 17.4 32.2 48.4#



Abundance Ion 43.00 (42.70 to 43.70): VU034161.D (-1882) (-)

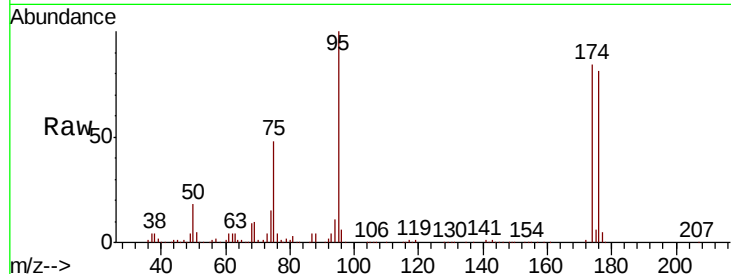




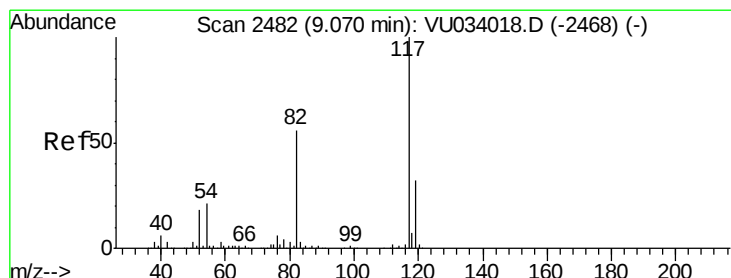
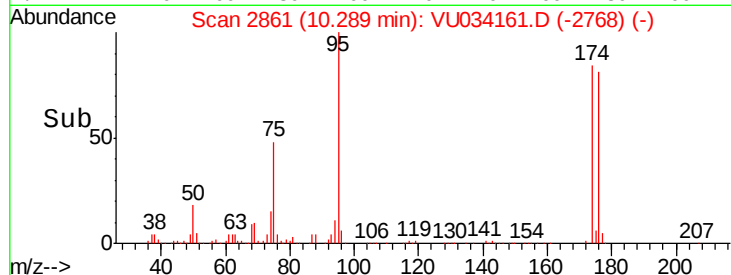
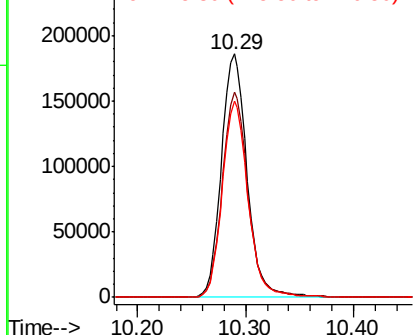
#62
4-Bromofluorobenzene
Concen: 43.973 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. 0.00 min
Lab File: VU034161.D
Acq: 01 Sep 2019 12:13

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
95	100		
174	84.8	0.0	168.8
176	80.9	0.0	161.8

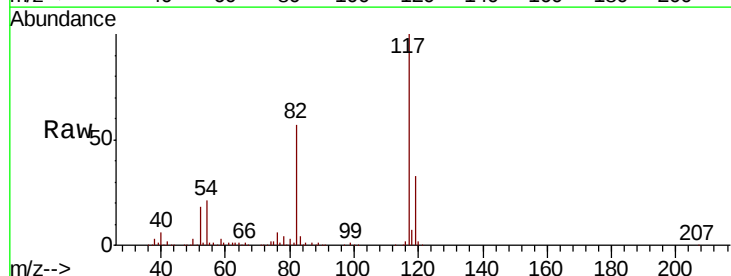


Abundance Ion 94.90 (94.60 to 95.60): VU034018.D (-2848) (-)
Ion 173.80 (173.50 to 174.50): VU034018.D (-2848) (-)
Ion 175.80 (175.50 to 176.50): VU034018.D (-2848) (-)

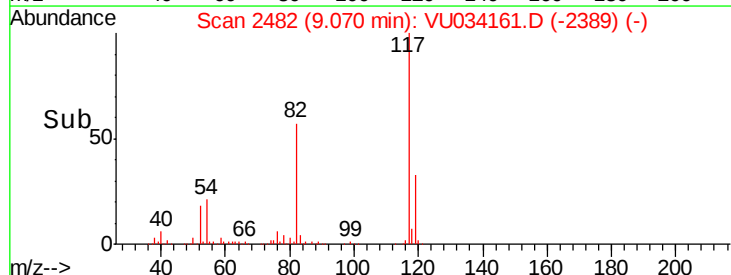
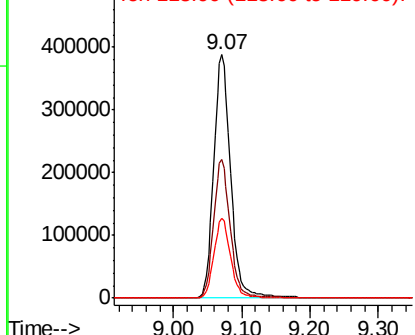


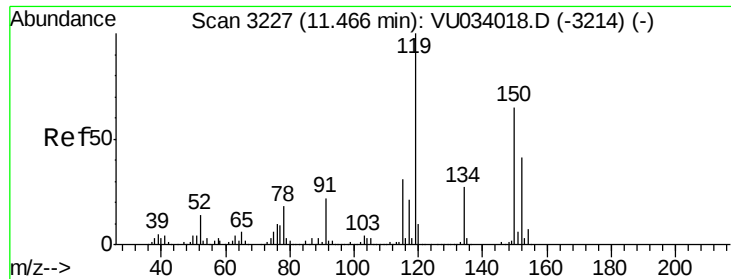
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034161.D
Acq: 01 Sep 2019 12:13

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.7	45.1	67.7
119	32.6	25.4	38.0



Abundance Ion 116.90 (116.60 to 117.60): VU034018.D (-2468) (-)
Ion 82.00 (81.70 to 82.70): VU034018.D (-2468) (-)
Ion 118.90 (118.60 to 119.60): VU034018.D (-2468) (-)



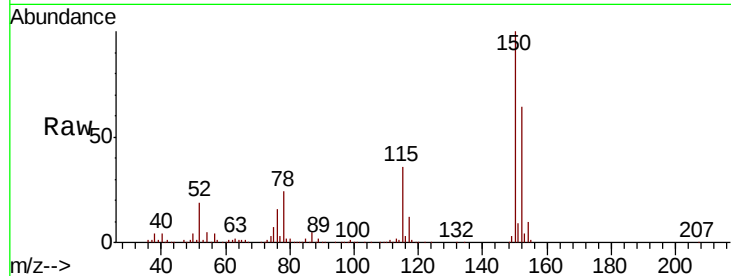


#72

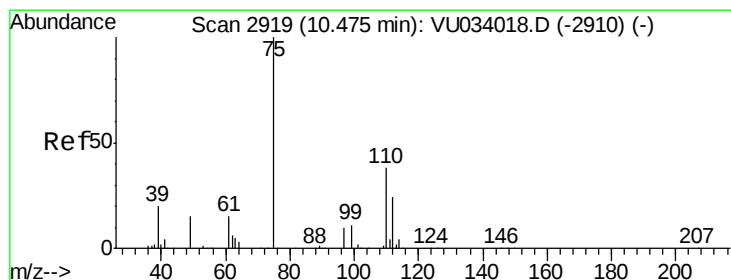
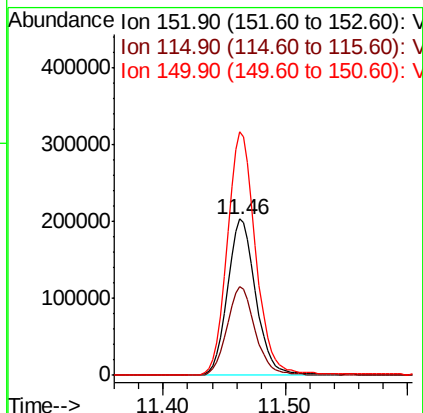
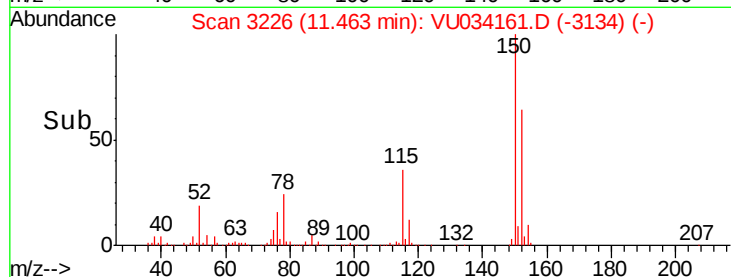
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VU034161.D
Acq: 01 Sep 2019 12:13

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.6	41.1	123.3
150	155.8	0.0	348.8



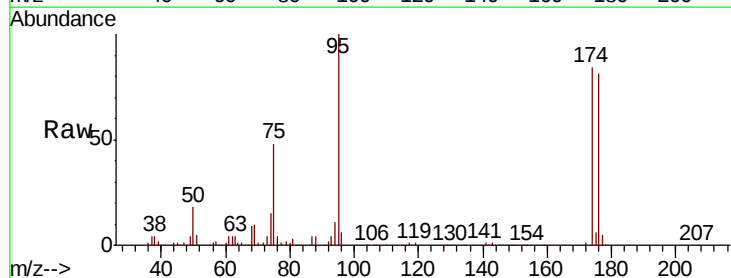
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



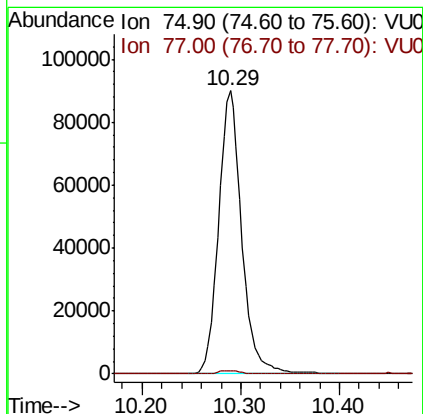
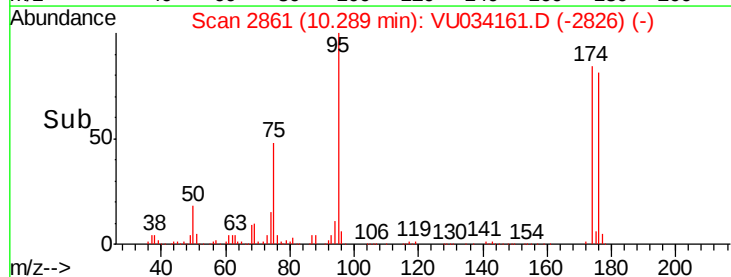
#76

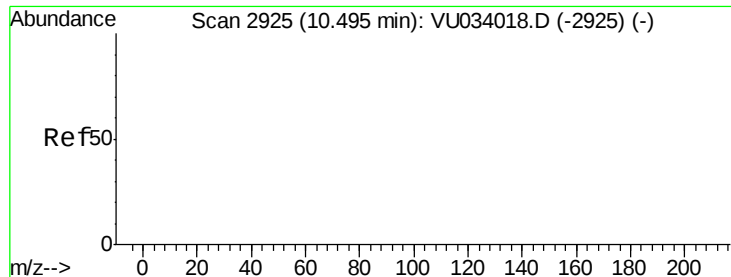
1,2,3-Trichloropropane
Concen: 19.813 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. -0.19 min
Lab File: VU034161.D
Acq: 01 Sep 2019 12:13

Tgt 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

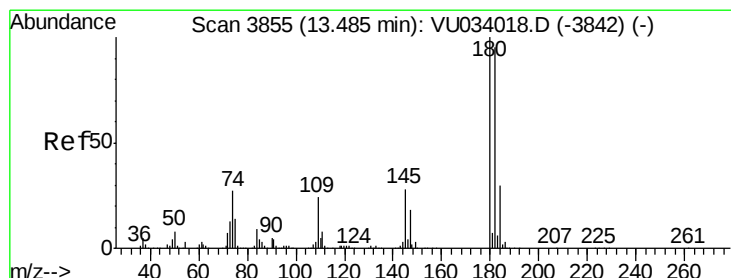
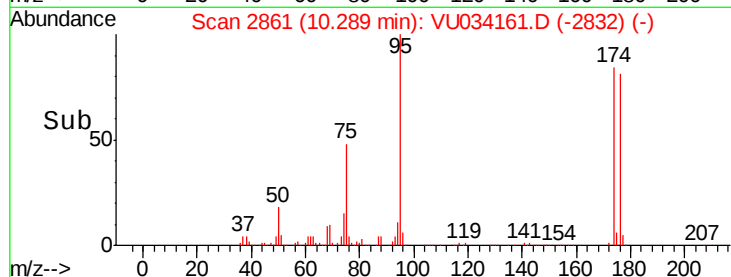
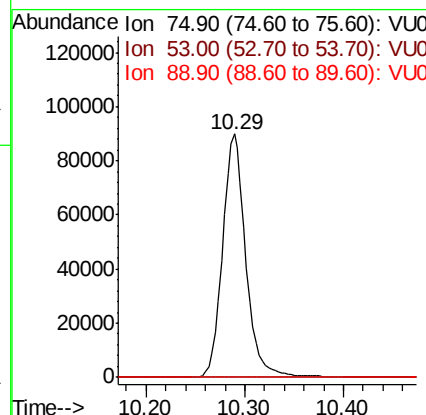
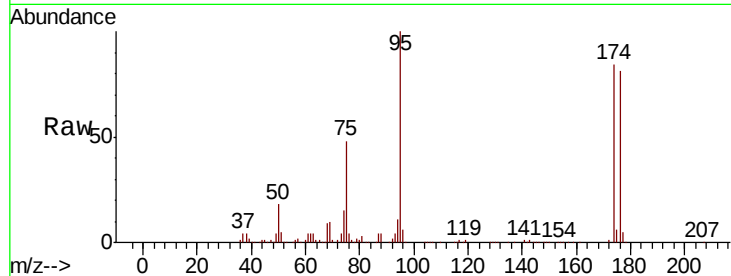




#81
trans-1,4-Dichloro-2-butene
Concen: 66.715 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. -0.21 min
Lab File: VU034161.D
Acq: 01 Sep 2019 12:13

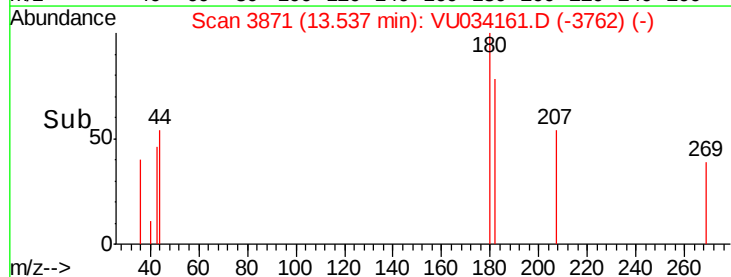
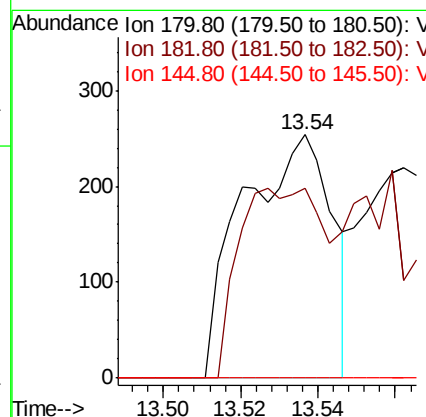
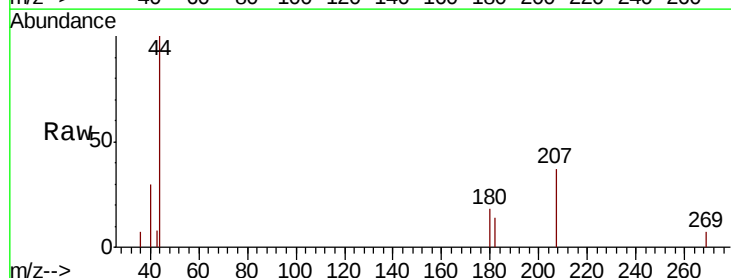
Instrument :
MSVOA_U
ClientSampled :

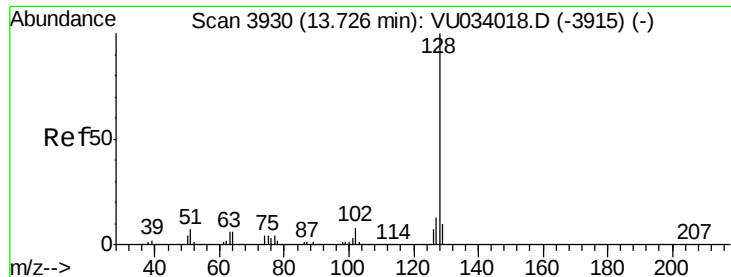
Tot Ion: 75 Resp: 148259
Ion Ratio Lower Upper
75 100
53 0.1 0.0 0.0#
89 0.0 0.0 0.0



#93
1,2,4-Trichlorobenzene
Concen: 1.169 ug/l
RT: 13.54 min Scan# 3871
Delta R.T. 0.05 min
Lab File: VU034161.D
Acq: 01 Sep 2019 12:13

Tgt Ion:180 Resp: 406
Ion Ratio Lower Upper
180 100
182 73.2 47.4 142.2
145 0.0 14.1 42.3#





#95

Naphthalene

Concen: 1.872 ug/l

RT: 13.77 min Scan# 3945

Delta R.T. 0.05 min

Lab File: VU034161.D

Acq: 01 Sep 2019 12:13

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:128 Resp: 1776

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 1.1 8.4 12.6#

