

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083019\
 Data File : VU034057.D
 Acq On : 29 Aug 2019 13:21
 Operator : JC/SP
 Sample : K4596-21
 Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 29 13:47:38 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	487094	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	776478	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.08	117	743787	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	366535	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	306979	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
35) Dibromofluoromethane	4.86	113	249939	46.41	ug/l	0.00
Spiked Amount			Recovery	=	92.82%	
50) Toluene-d8	7.55	98	968100	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	
62) 4-Bromofluorobenzene	10.30	95	352727	44.97	ug/l	0.00
Spiked Amount			Recovery	=	89.94%	

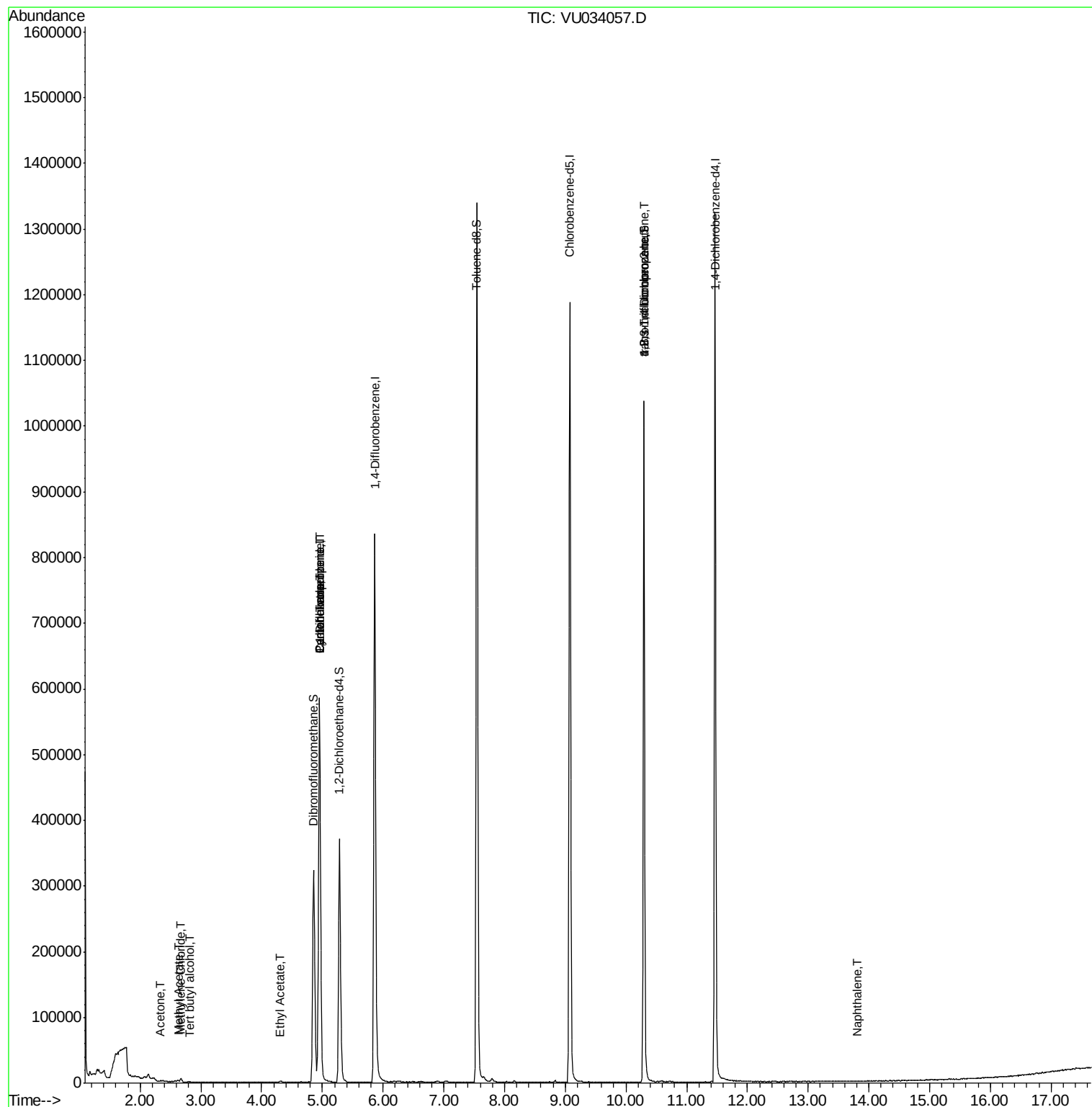
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	4090	Below Cal		99
5) Bromomethane	1.59	94	2389	Below Cal		95
11) Tert butyl alcohol	2.82	59	499	0.347	ug/l #	73
16) Acetone	2.33	43	1221	0.383	ug/l #	73
18) Methyl Acetate	2.63	43	4441	0.540	ug/l	100
20) Methylene Chloride	2.67	84	2126	0.353	ug/l	98
31) Cyclohexane	4.95	56	8478	0.910	ug/l #	1
36) 1,1-Dichloropropene	4.95	75	35579	4.844	ug/l #	49
37) Ethyl Acetate	4.30	43	2582	0.314	ug/l #	68
38) Carbon Tetrachloride	4.95	117	45291	6.389	ug/l #	17
76) 1,2,3-Trichloropropane	10.30	75	171803	20.797	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.30	75	171803	70.028	ug/l #	100
95) Naphthalene	13.80	128	291	1.802	ug/l #	70

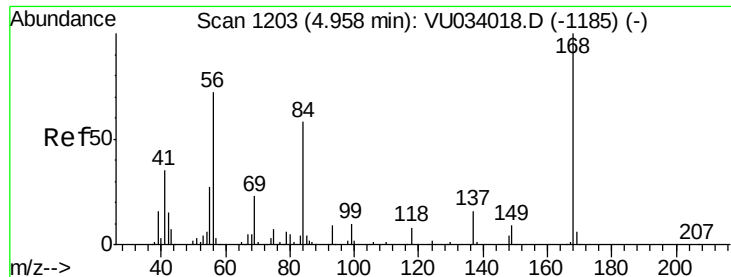
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.95 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VU034057.D

Acq: 29 Aug 2019 13:21

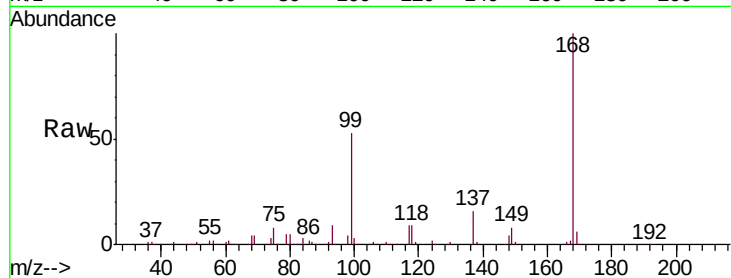
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 487094

Ion Ratio Lower Upper

168 100

99 53.2 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

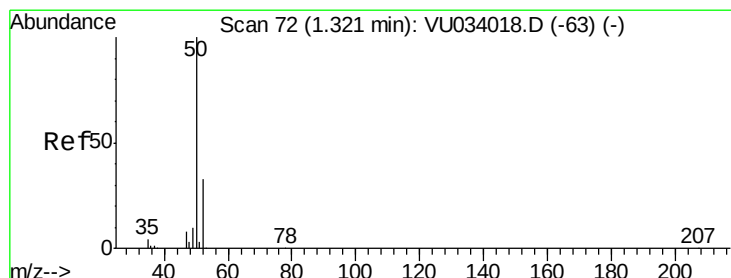
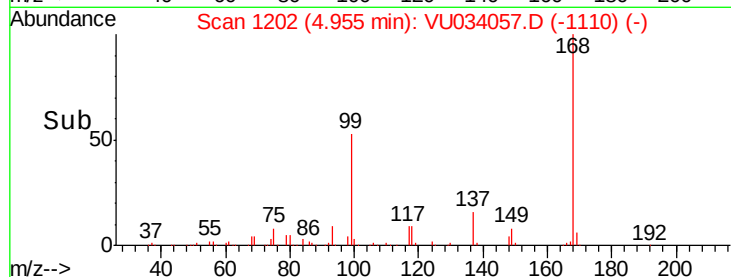
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU034057.D

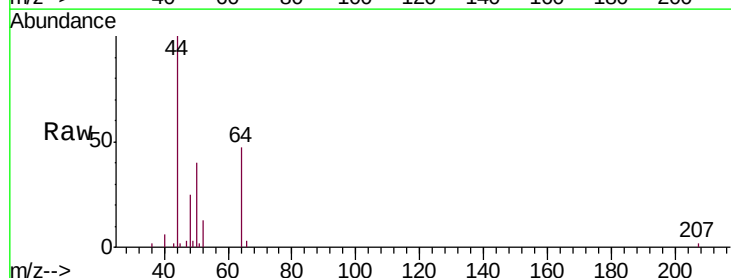
Acq: 29 Aug 2019 13:21

Tgt Ion: 50 Resp: 4090

Ion Ratio Lower Upper

50 100

52 33.2 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

4000

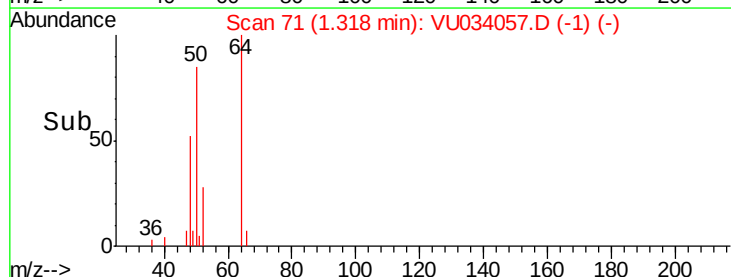
3000

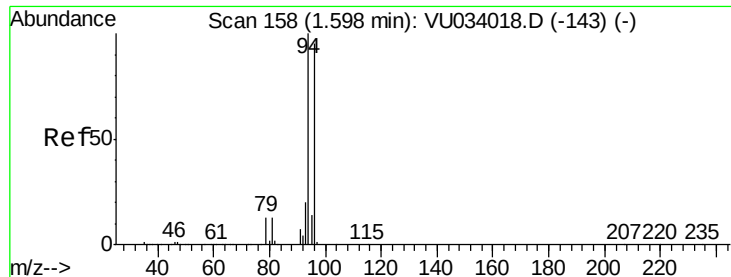
2000

1000

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.59 min Scan# 156

Delta R.T. -0.01 min

Lab File: VU034057.D

Acq: 29 Aug 2019 13:21

Instrument :

MSVOA_U

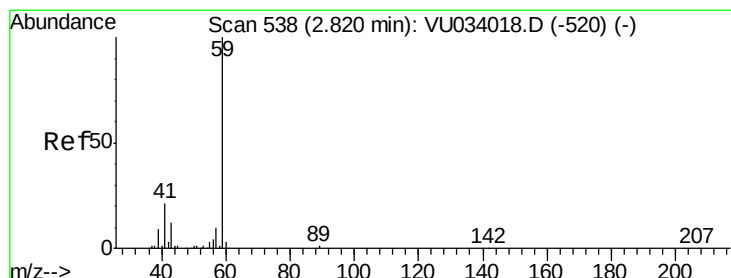
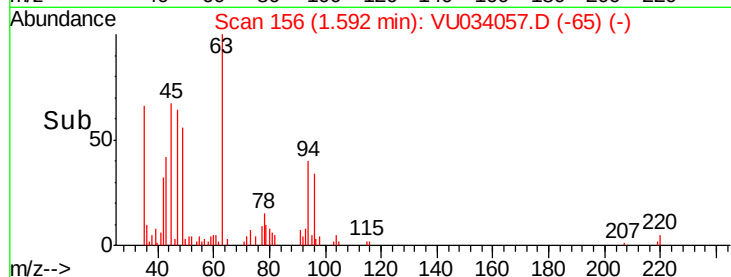
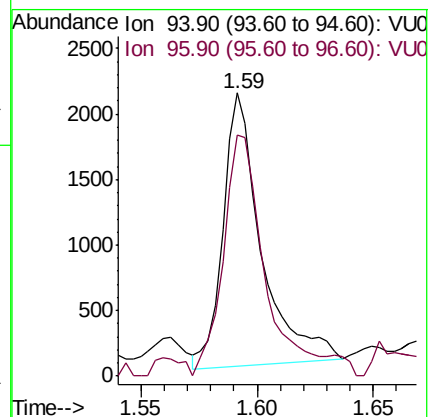
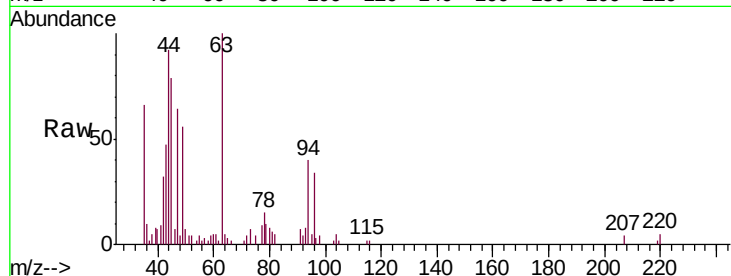
ClientSampleId :

Tot Ion: 94 Resp: 2389

Ion Ratio Lower Upper

94 100

96 90.8 76.3 114.5



#11

Tert butyl alcohol

Concen: 0.347 ug/l

RT: 2.82 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU034057.D

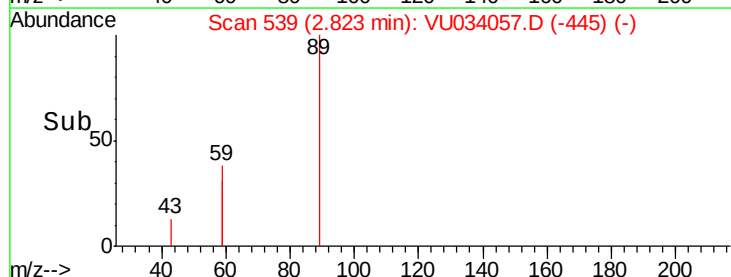
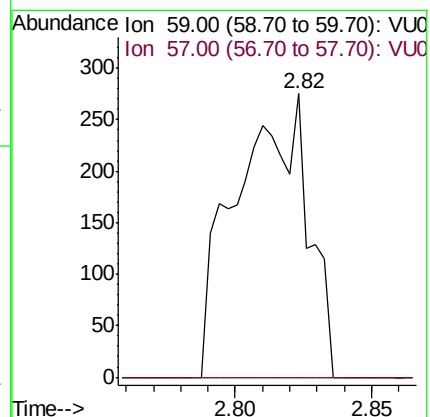
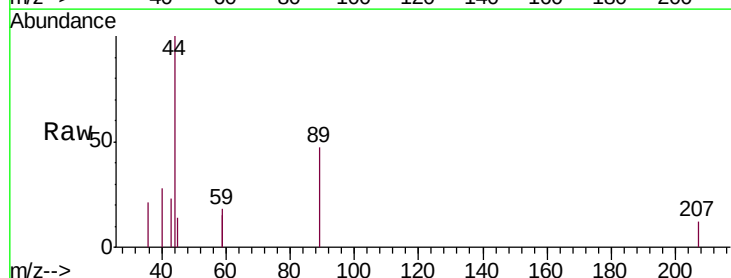
Acq: 29 Aug 2019 13:21

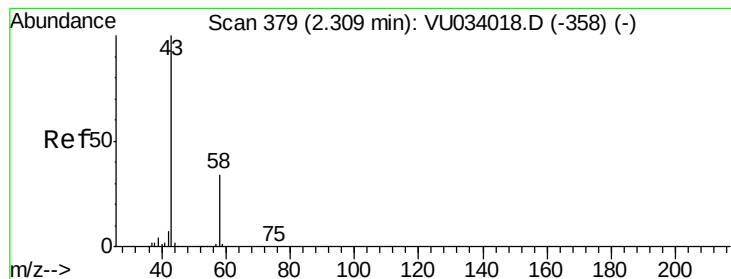
Tgt Ion: 59 Resp: 499

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#





#16

Acetone

Concen: 0.383 ug/l

RT: 2.33 min Scan# 387

Delta R.T. 0.03 min

Lab File: VU034057.D

Acq: 29 Aug 2019 13:21

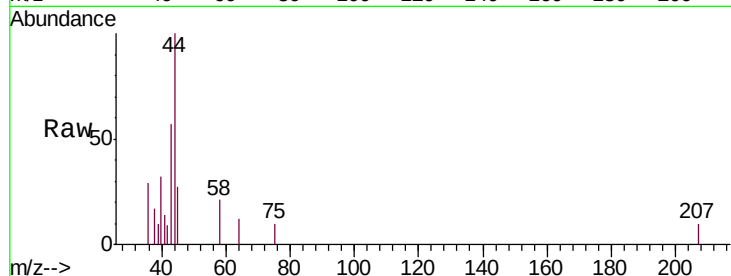
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 1221

Ion Ratio Lower Upper

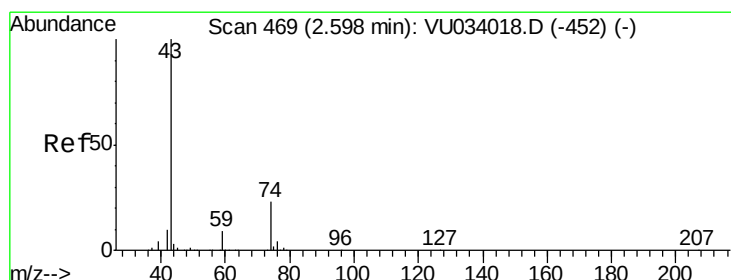
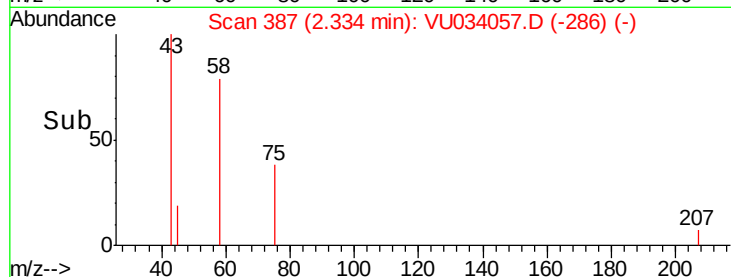
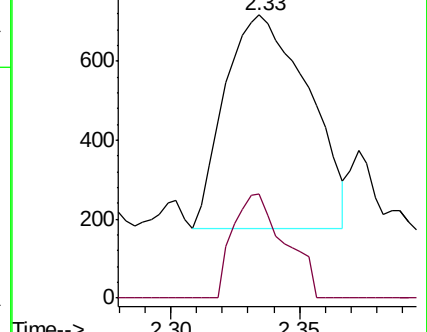
43 100

58 48.6 26.8 40.2#



Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-358) (-)

Ion 58.00 (57.70 to 58.70): VU034018.D (-358) (-)



#18

Methyl Acetate

Concen: 0.540 ug/l

RT: 2.63 min Scan# 478

Delta R.T. 0.03 min

Lab File: VU034057.D

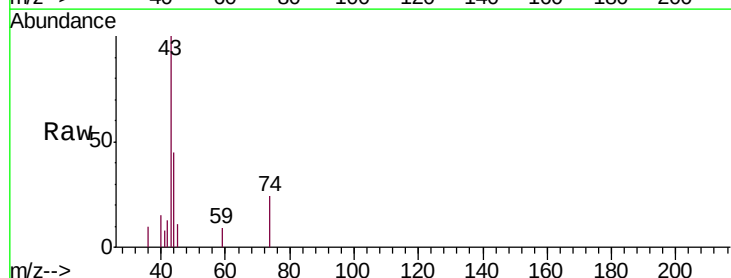
Acq: 29 Aug 2019 13:21

Tgt Ion: 43 Resp: 4441

Ion Ratio Lower Upper

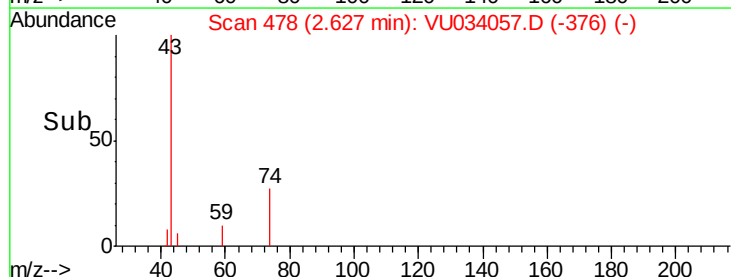
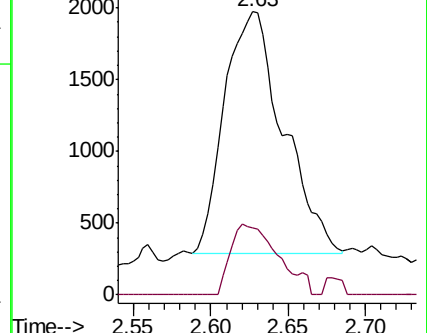
43 100

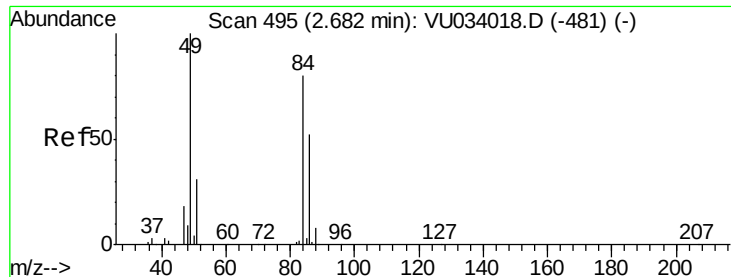
74 23.8 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-452) (-)

Ion 74.00 (73.70 to 74.70): VU034018.D (-452) (-)

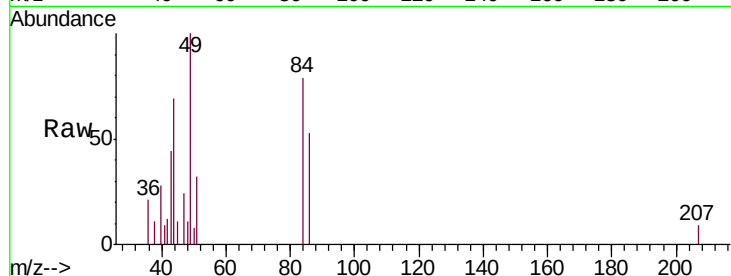




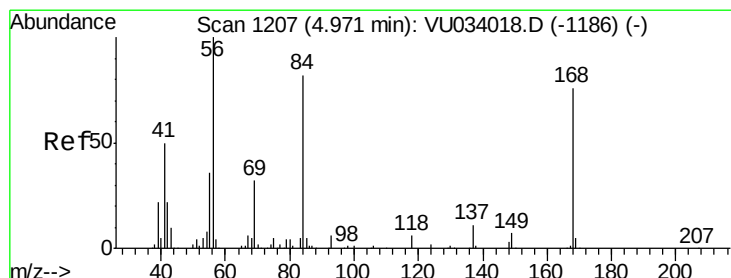
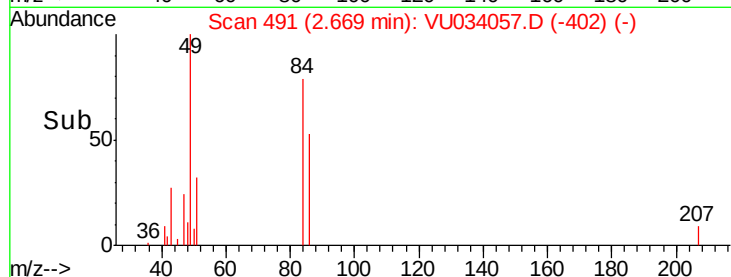
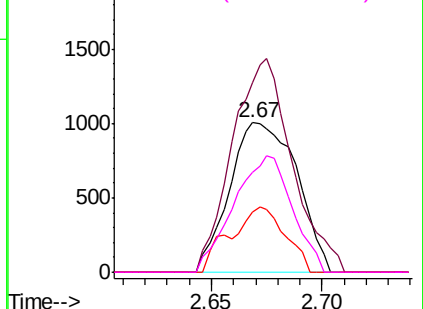
#20
Methylene Chloride
Concen: 0.353 ug/l
RT: 2.67 min Scan# 491
Delta R.T. -0.01 min
Lab File: VU034057.D
Acq: 29 Aug 2019 13:21

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	84	Resp:	2126
Ion	Ratio	Lower	Upper
84	100		
49	127.1	100.2	150.4
51	40.7	30.8	46.2
86	66.8	52.5	78.7

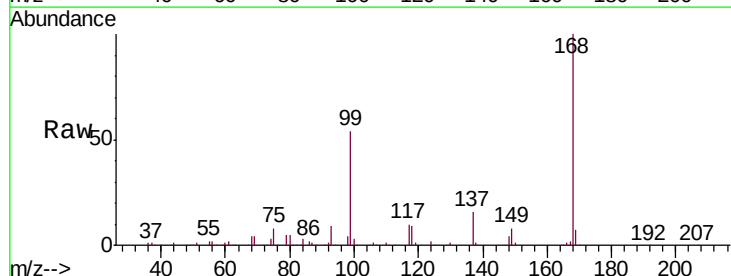


Abundance Ion 83.90 (83.60 to 84.60): VU0
Ion 48.90 (48.60 to 49.60): VU0
Ion 50.90 (50.60 to 51.60): VU0
Ion 85.90 (85.60 to 86.60): VU0

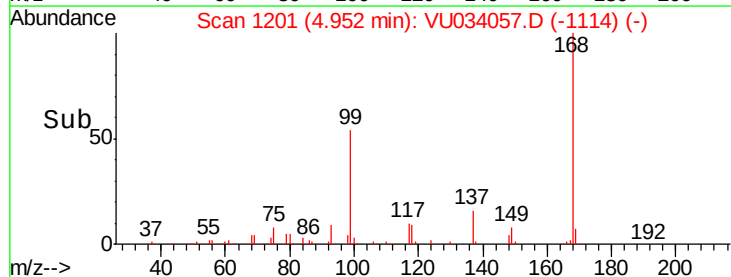
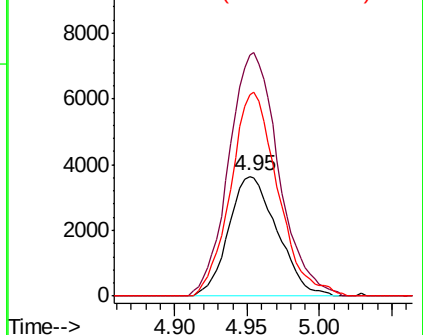


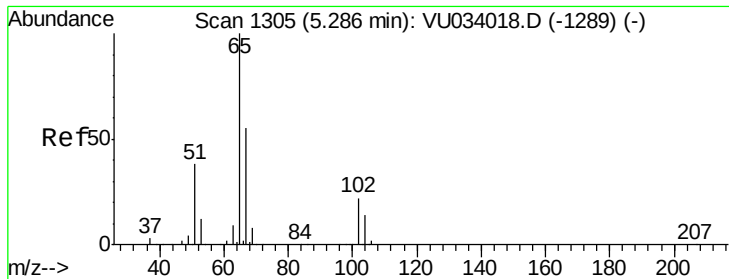
#31
Cyclohexane
Concen: 0.910 ug/l
RT: 4.95 min Scan# 1201
Delta R.T. -0.02 min
Lab File: VU034057.D
Acq: 29 Aug 2019 13:21

Tgt Ion:	56	Resp:	8478
Ion	Ratio	Lower	Upper
56	100		
69	201.9	25.4	38.0#
84	168.2	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

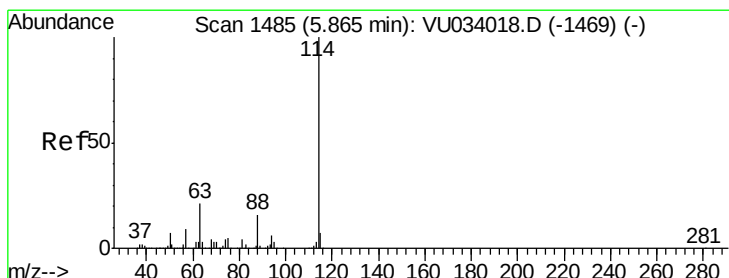
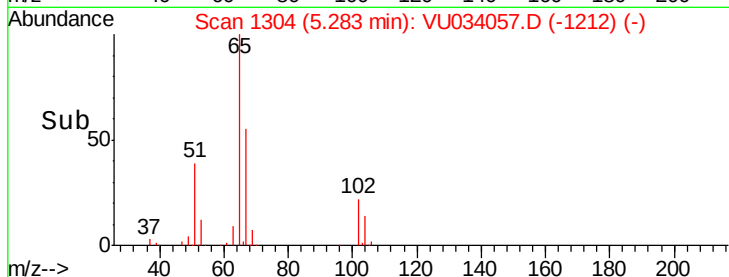
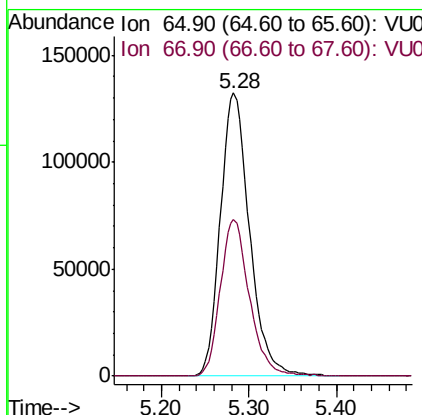
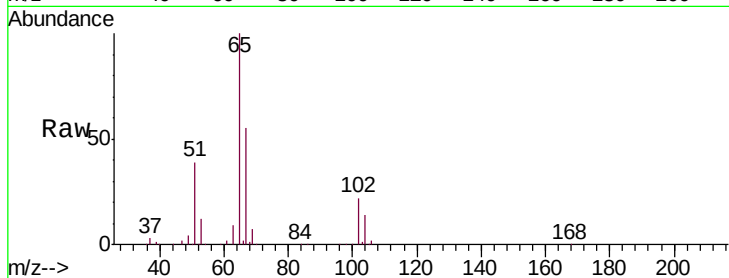




#33
 1,2-Dichloroethane-d4
 Concen: 49.185 ug/l
 RT: 5.28 min Scan# 1304
 Delta R.T. -0.00 min
 Lab File: VU034057.D
 Acq: 29 Aug 2019 13:21

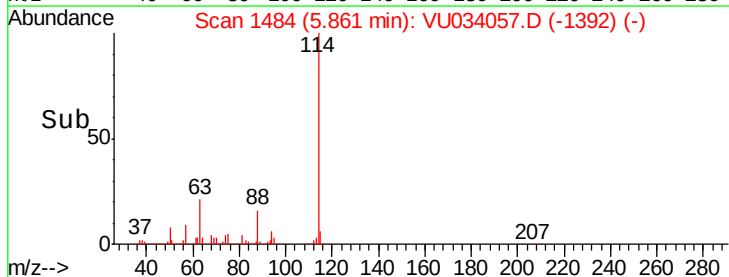
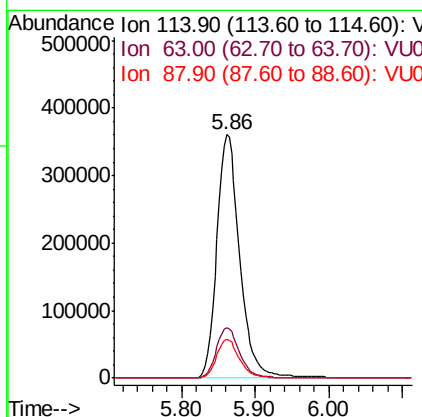
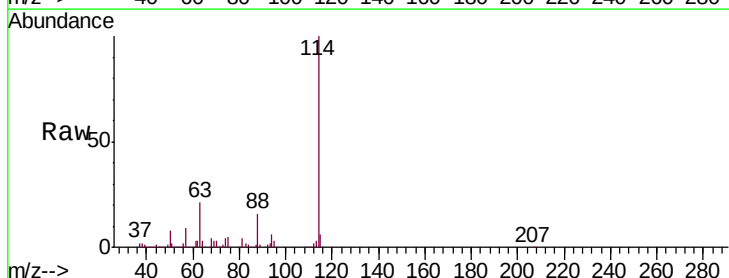
Instrument :
 MSVOA_U
 ClientSampled :

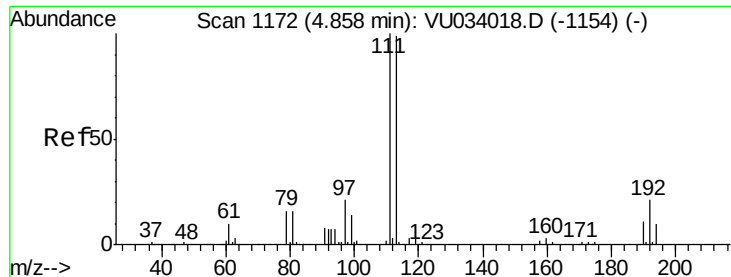
Tot Ion: 65 Resp: 306979
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VU034057.D
 Acq: 29 Aug 2019 13:21

Tgt Ion: 114 Resp: 776478
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 42.0
 88 15.9 0.0 32.0

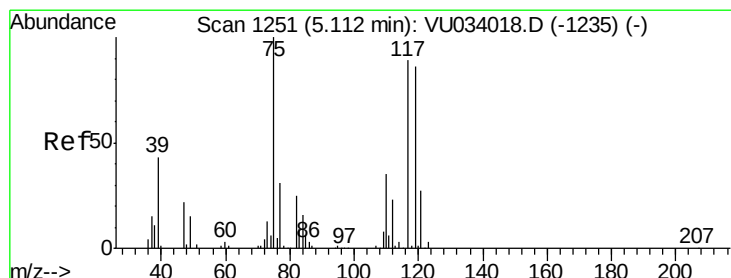
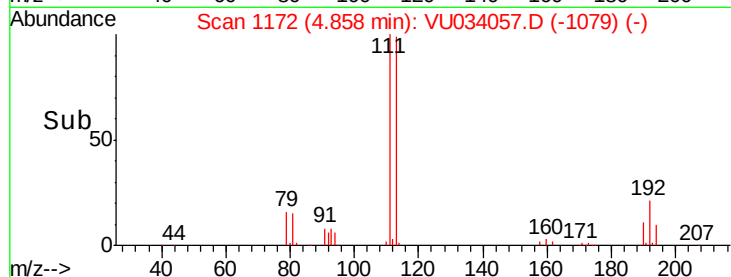
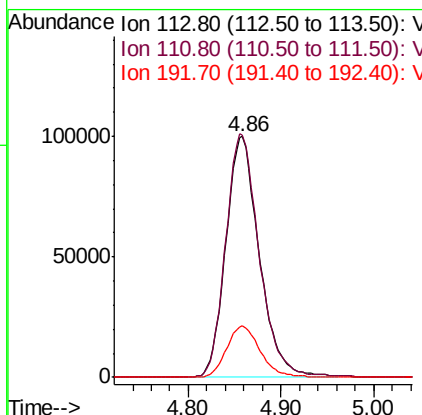
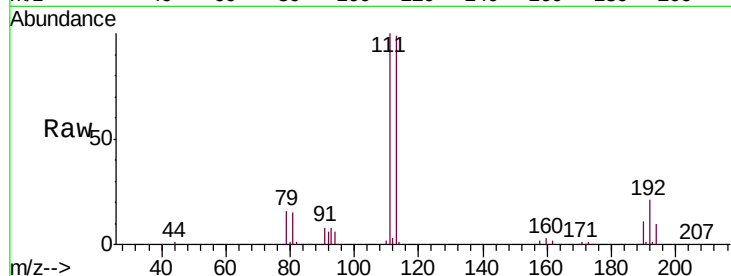




#35
 Dibromofluoromethane
 Concen: 46.409 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VU034057.D
 Acq: 29 Aug 2019 13:21

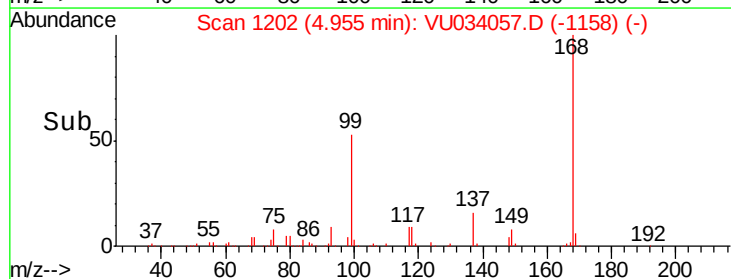
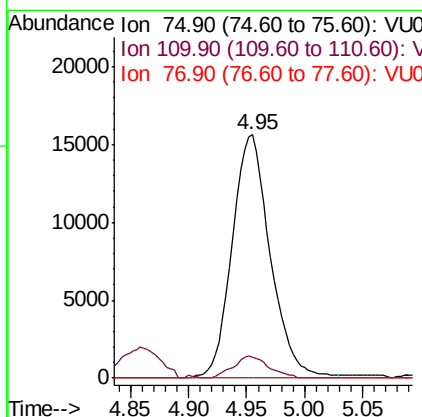
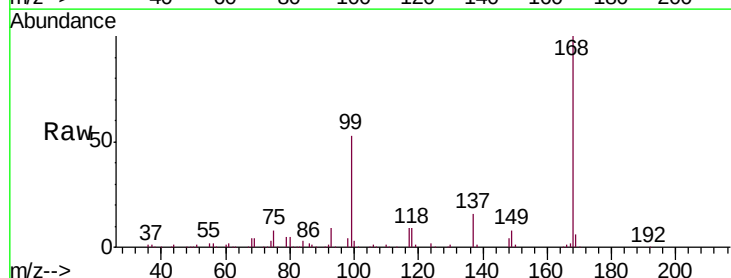
Instrument :
 MSVOA_U
 ClientSampleId :

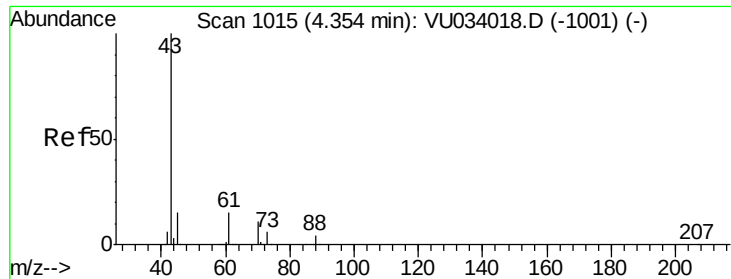
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.7	122.5
192	21.4	17.1	25.7



#36
 1,1-Dichloropropene
 Concen: 4.844 ug/l
 RT: 4.95 min Scan# 1202
 Delta R.T. -0.16 min
 Lab File: VU034057.D
 Acq: 29 Aug 2019 13:21

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

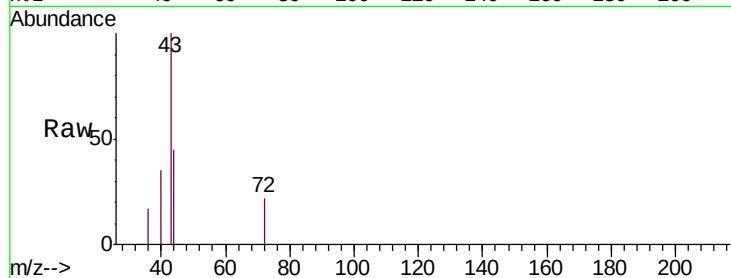




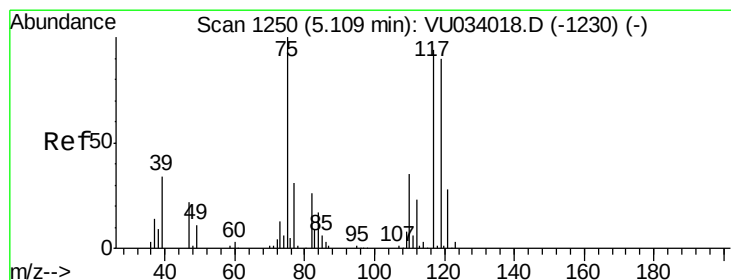
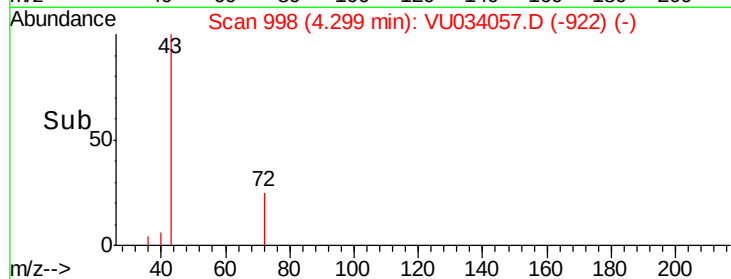
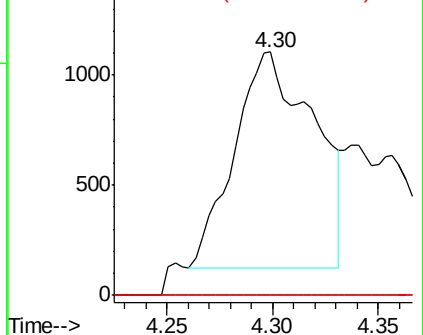
#37
Ethyl Acetate
Concen: 0.314 ug/l
RT: 4.30 min Scan# 998
Delta R.T. -0.05 min
Lab File: VU034057.D
Acq: 29 Aug 2019 13:21

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 2582
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 8.6 12.8#

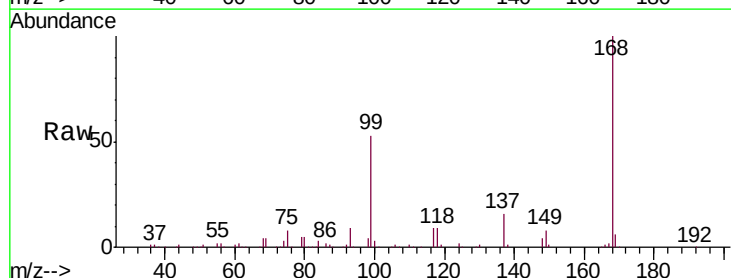


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

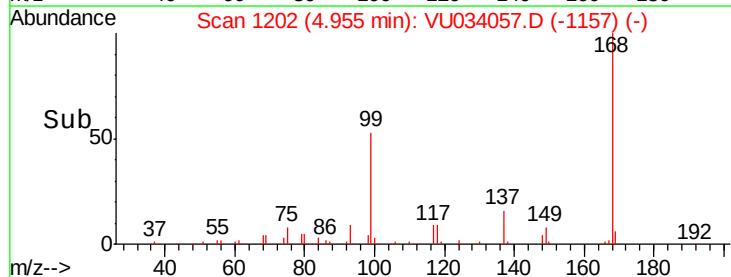
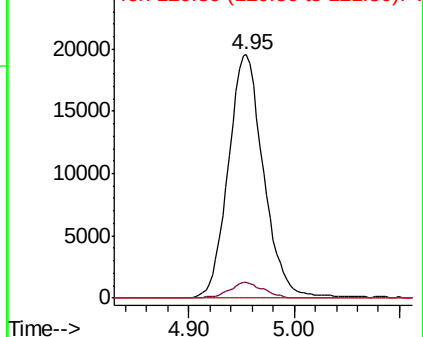


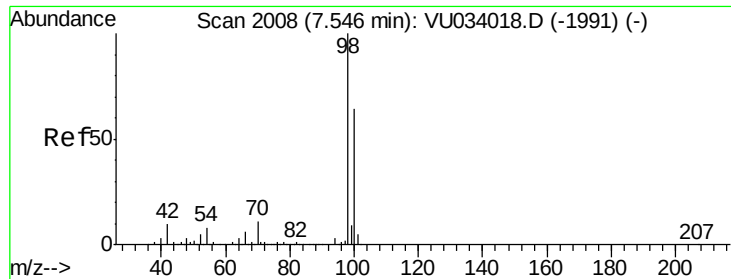
#38
Carbon Tetrachloride
Concen: 6.389 ug/l
RT: 4.95 min Scan# 1202
Delta R.T. -0.15 min
Lab File: VU034057.D
Acq: 29 Aug 2019 13:21

Tgt Ion: 117 Resp: 45291
Ion Ratio Lower Upper
117 100
119 6.4 77.0 115.4#
121 0.0 23.9 35.9#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

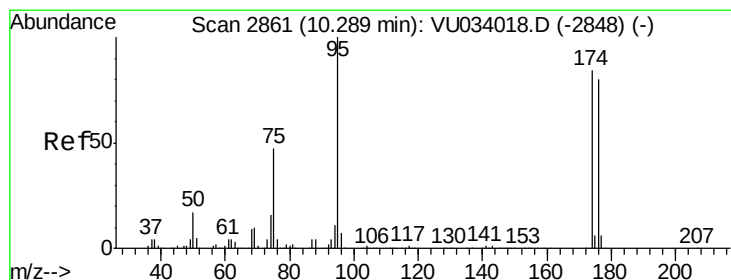
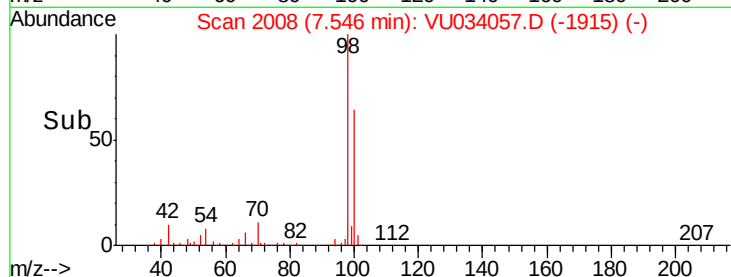
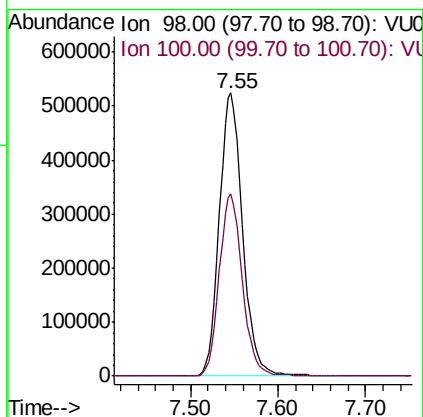
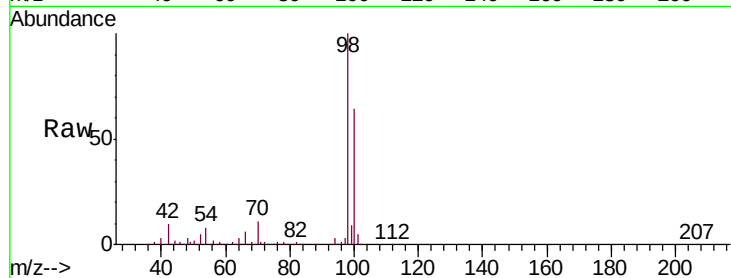




#50
Toluene-d8
Concen: 48.007 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VU034057.D
Acq: 29 Aug 2019 13:21

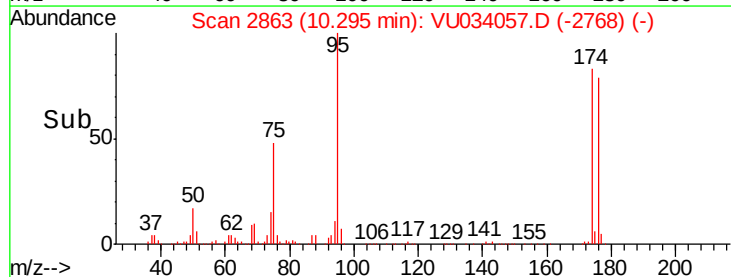
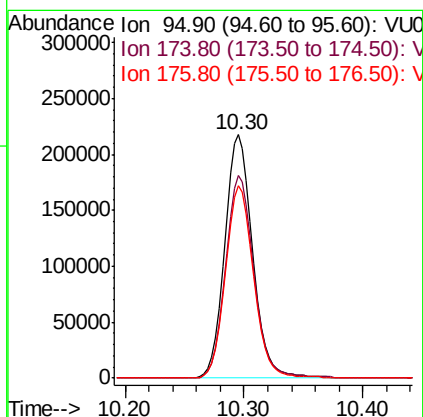
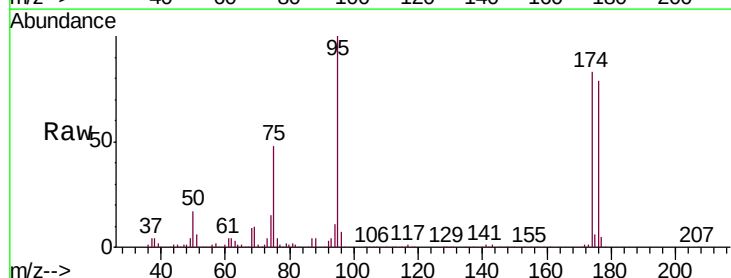
Instrument :
MSVOA_U
ClientSampled :

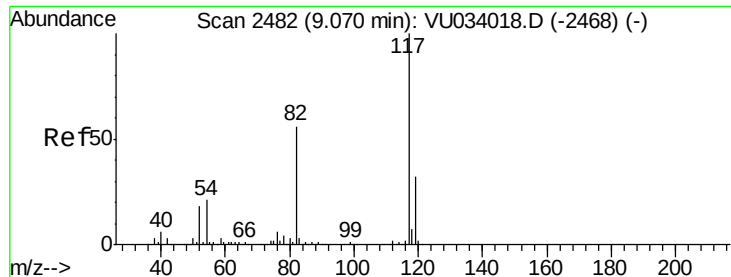
Tot Ion: 98 Resp: 968100
Ion Ratio Lower Upper
98 100
100 63.9 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 44.966 ug/l
RT: 10.30 min Scan# 2863
Delta R.T. 0.01 min
Lab File: VU034057.D
Acq: 29 Aug 2019 13:21

Tgt Ion: 95 Resp: 352727
Ion Ratio Lower Upper
95 100
174 85.0 0.0 168.8
176 80.4 0.0 161.8

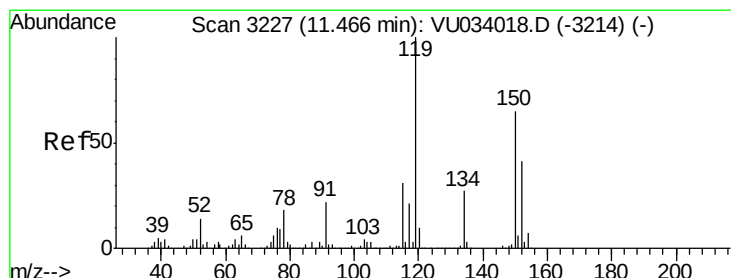
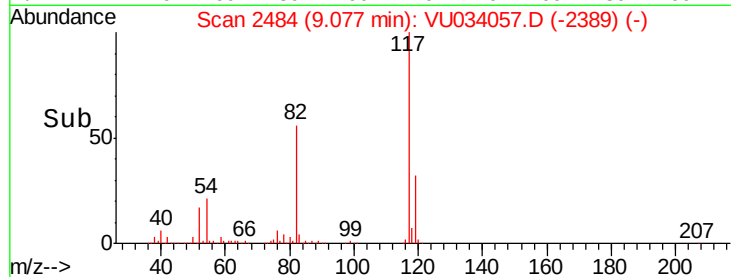
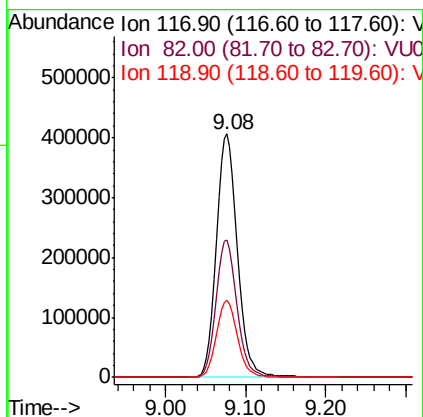
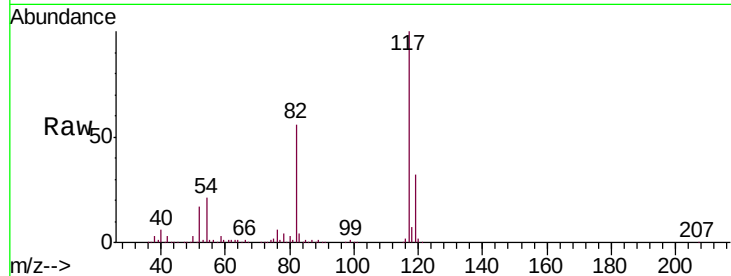




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.08 min Scan# 2484
Delta R.T. 0.01 min
Lab File: VU034057.D
Acq: 29 Aug 2019 13:21

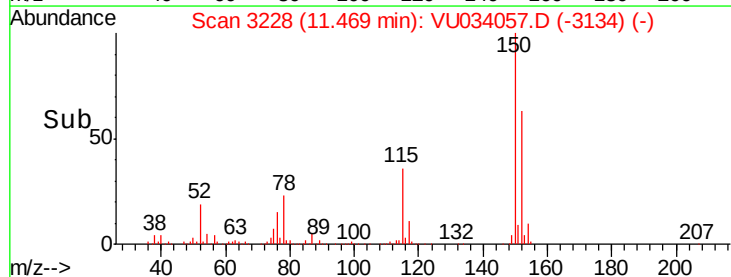
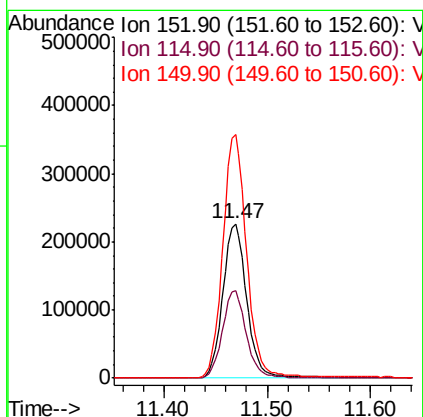
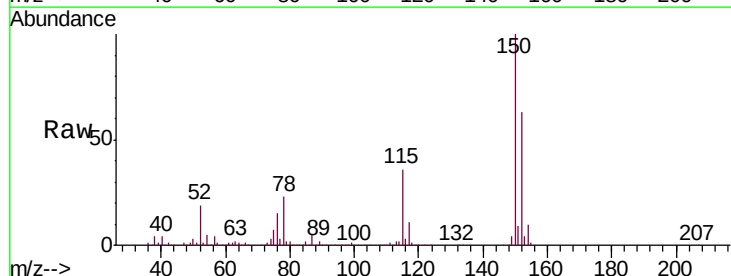
Instrument :
MSVOA_U
ClientSampled :

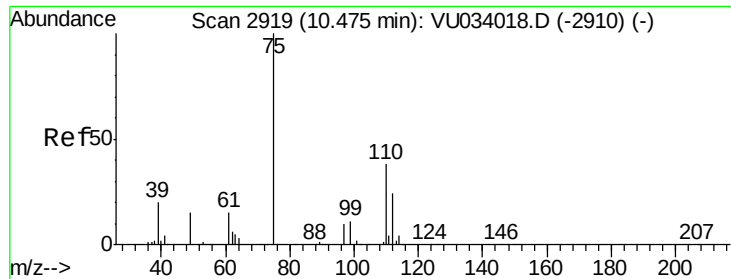
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	45.1	67.7
119	31.8	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.47 min Scan# 3228
Delta R.T. 0.00 min
Lab File: VU034057.D
Acq: 29 Aug 2019 13:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	41.1	123.3
150	157.3	0.0	348.8





#76

1,2,3-Trichloropropane

Concen: 20.797 ug/l

RT: 10.30 min Scan# 2863

Delta R.T. -0.18 min

Lab File: VU034057.D

Acq: 29 Aug 2019 13:21

Instrument :

MSVOA_U

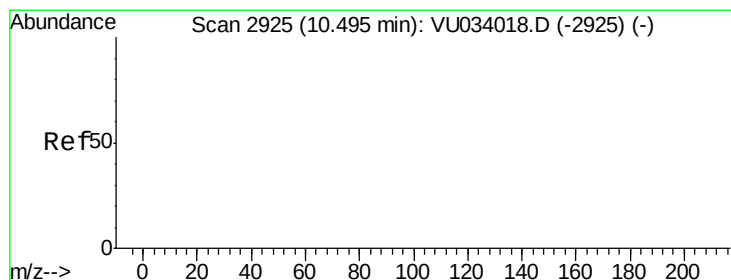
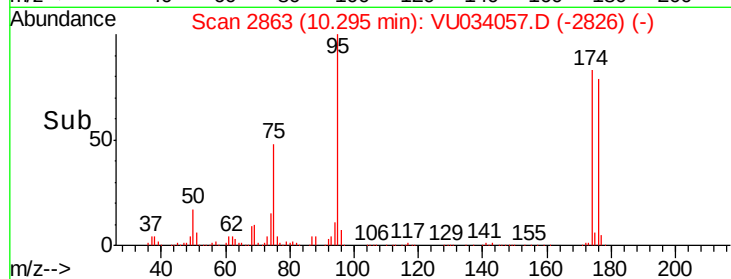
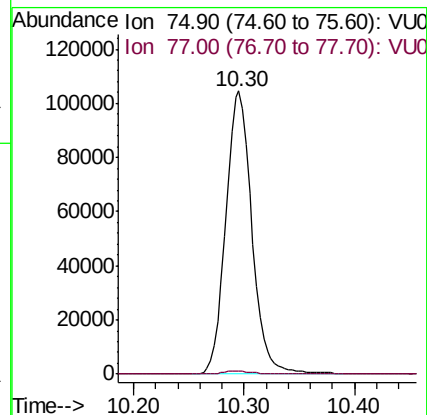
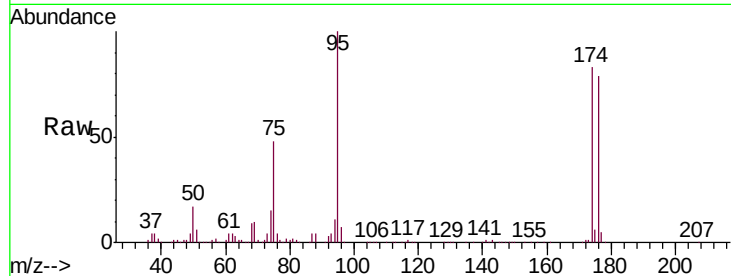
ClientSampled :

Tot Ion: 75 Resp: 171803

Ion Ratio Lower Upper

75 100

77 1.2 20.1 60.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.028 ug/l

RT: 10.30 min Scan# 2863

Delta R.T. -0.20 min

Lab File: VU034057.D

Acq: 29 Aug 2019 13:21

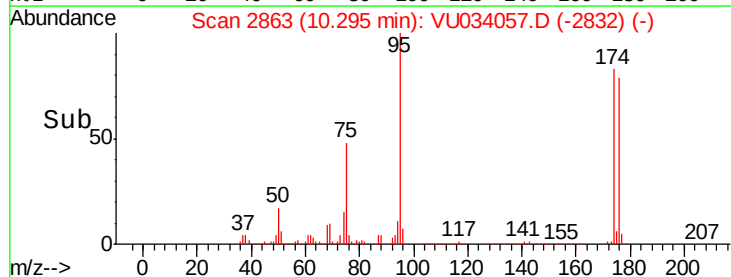
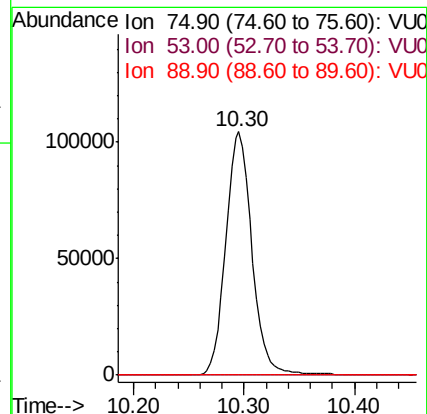
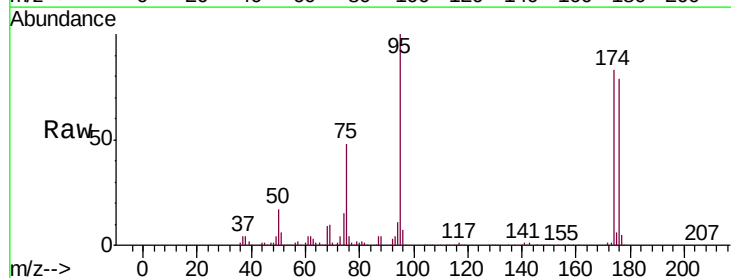
Tgt Ion: 75 Resp: 171803

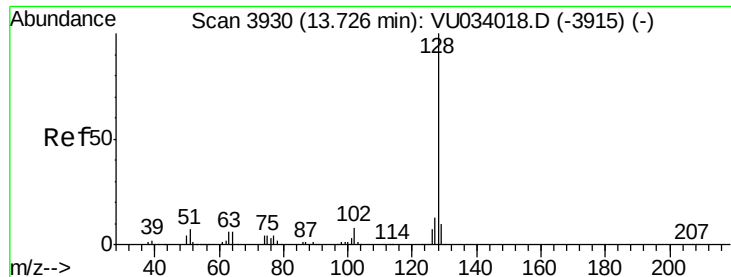
Ion Ratio Lower Upper

75 100

53 0.2 0.0 0.0#

89 0.0 0.0 0.0





#95

Naphthalene

Concen: 1.802 ug/l

RT: 13.80 min Scan# 3954

Delta R.T. 0.08 min

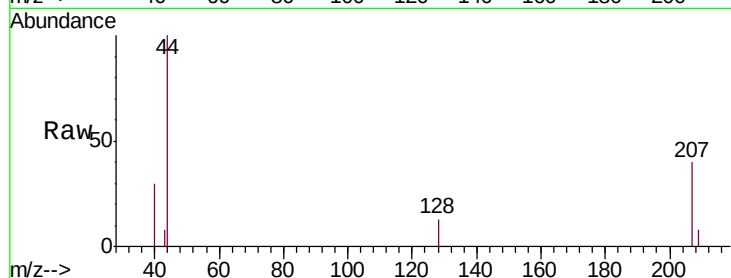
Lab File: VU034057.D

Acq: 29 Aug 2019 13:21

Instrument :

MSVOA_U

ClientSampleId :



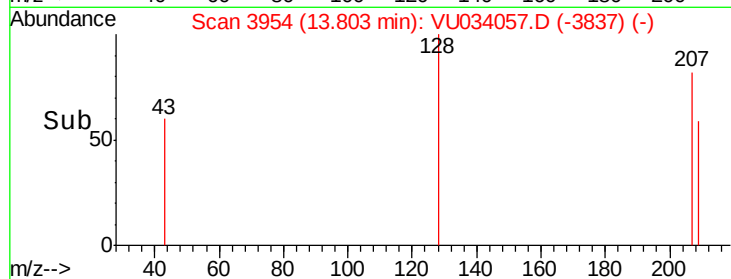
Tot Ion:128 Resp: 291

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.4 12.6#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

