

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090219\
 Data File : VU034176.D
 Acq On : 01 Sep 2019 18:02
 Operator : JC/SP
 Sample : K4527-07
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 02 08:34:41 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	445328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	727825	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	731798	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	355226	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	290223	50.86	ug/l	0.00
Spiked Amount			Recovery	=	101.72%	
35) Dibromofluoromethane	4.86	113	236891	46.93	ug/l	0.00
Spiked Amount			Recovery	=	93.86%	
50) Toluene-d8	7.55	98	953118	50.42	ug/l	0.00
Spiked Amount			Recovery	=	100.84%	
62) 4-Bromofluorobenzene	10.29	95	332921	45.28	ug/l	0.00
Spiked Amount			Recovery	=	90.56%	

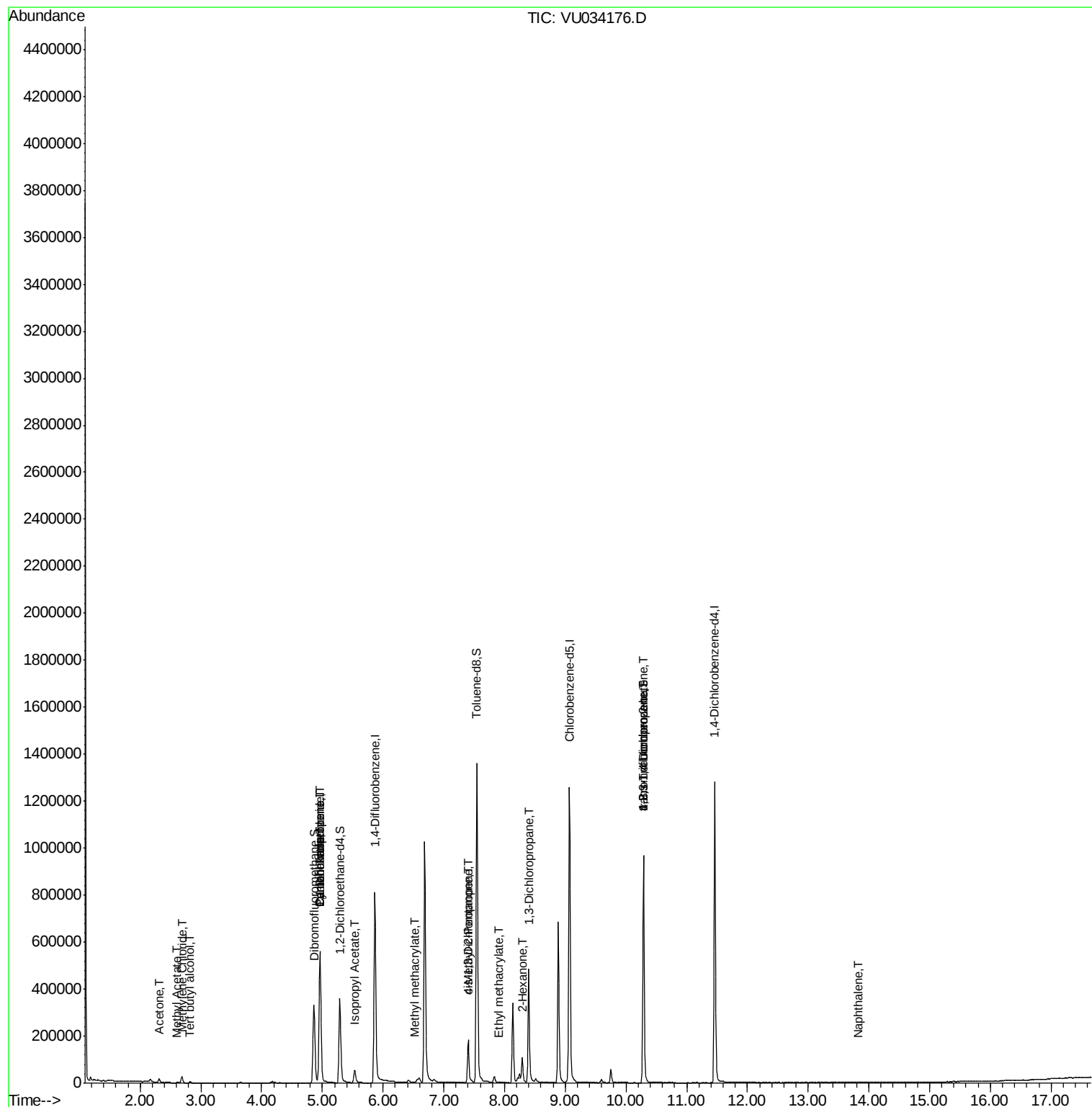
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	492	Below Cal	#	79
5) Bromomethane	1.59	94	48	Below Cal	#	2
11) Tert butyl alcohol	2.83	59	2923	2.221	ug/l #	77
16) Acetone	2.31	43	17696	6.078	ug/l	94
18) Methyl Acetate	2.61	43	2936	0.390	ug/l	97
20) Methylene Chloride	2.69	84	12091	2.194	ug/l	93
31) Cyclohexane	4.96	56	8063	0.946	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	32511	4.722	ug/l #	48
38) Carbon Tetrachloride	4.96	117	41791	6.289	ug/l #	16
43) Isopropyl Acetate	5.53	43	69452	5.922	ug/l	95
48) Methyl methacrylate	6.52	41	4460	0.788	ug/l #	14
51) 4-Methyl-2-Pentanone	7.40	43	65320	8.065	ug/l #	48
54) cis-1,3-Dichloropropene	7.40	75	34044	3.886	ug/l #	62
56) Ethyl methacrylate	7.91	69	70	0.979	ug/l #	27
57) 1,3-Dichloropropane	8.40	76	4833	0.524	ug/l #	42
59) 2-Hexanone	8.29	43	85530	13.988	ug/l #	23
76) 1,2,3-Trichloropropane	10.29	75	159417	19.912	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.29	75	159417	67.048	ug/l #	100
95) Naphthalene	13.83	128	43	1.792	ug/l #	70

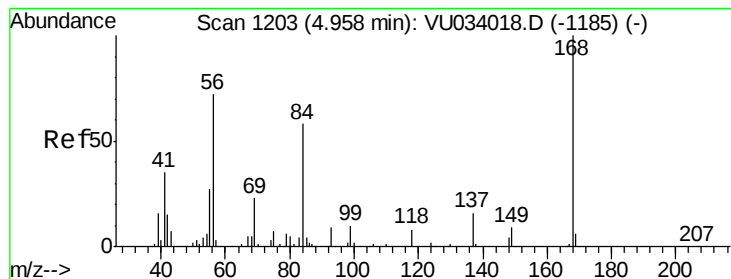
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
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: VU034176.D

Acq: 01 Sep 2019 18:02

Instrument :

MSVOA_U

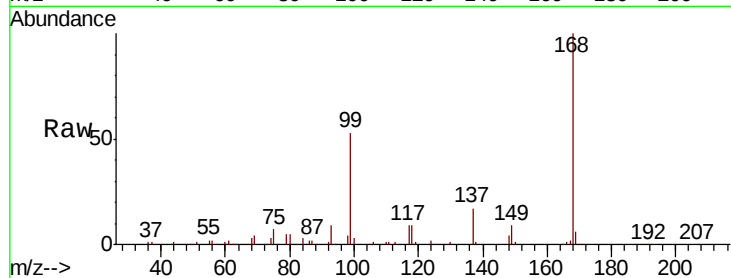
ClientSampled :

Tot Ion:168 Resp: 445328

Ion Ratio Lower Upper

168 100

99 52.5 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

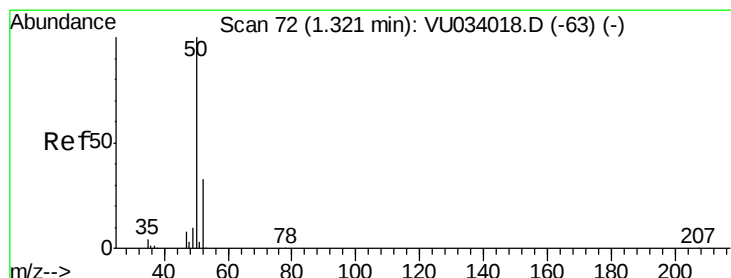
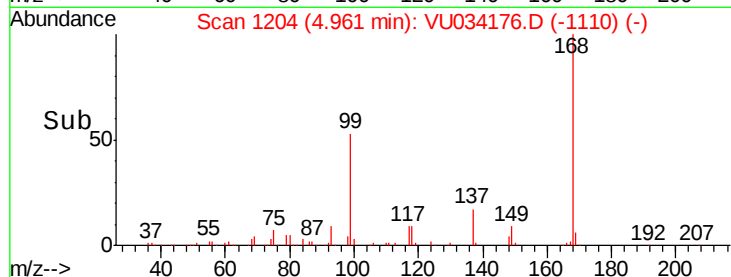
100000

50000

0

4.90 4.95 5.00 5.05

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034176.D

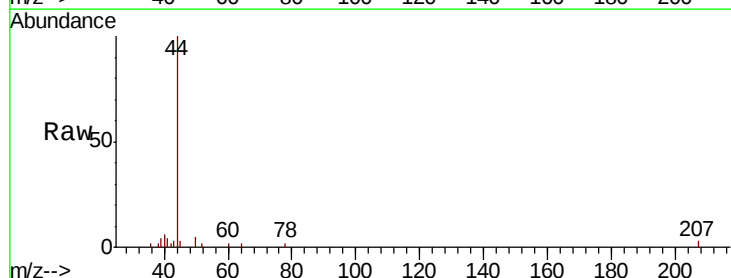
Acq: 01 Sep 2019 18:02

Tgt Ion: 50 Resp: 492

Ion Ratio Lower Upper

50 100

52 44.4 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

500

400

300

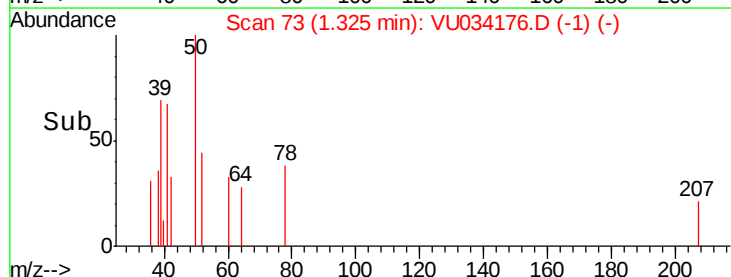
200

100

0

1.30 1.32 1.34 1.36

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.59 min Scan# 156

Delta R.T. -0.01 min

Lab File: VU034176.D

Acq: 01 Sep 2019 18:02

Instrument :

MSVOA_U

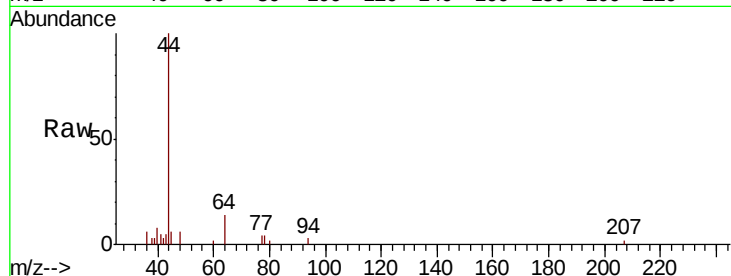
ClientSampleId :

Tot Ion: 94 Resp: 48

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

150

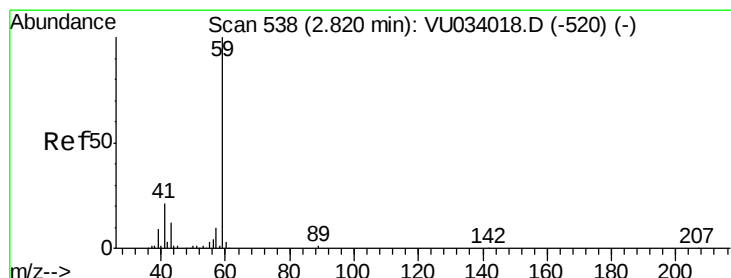
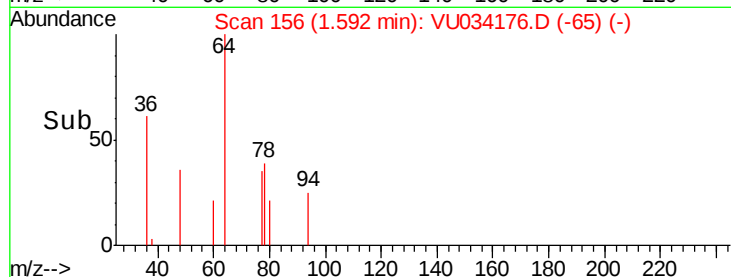
100

50

0

1.58 1.59 1.60

Time-->



#11

Tert butyl alcohol

Concen: 2.221 ug/l

RT: 2.83 min Scan# 540

Delta R.T. 0.01 min

Lab File: VU034176.D

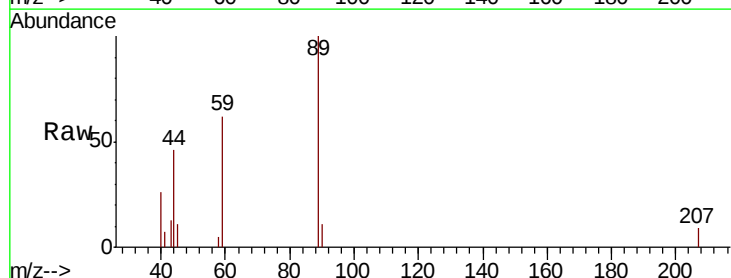
Acq: 01 Sep 2019 18:02

Tgt Ion: 59 Resp: 2923

Ion Ratio Lower Upper

59 100

57 1.6 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

1500

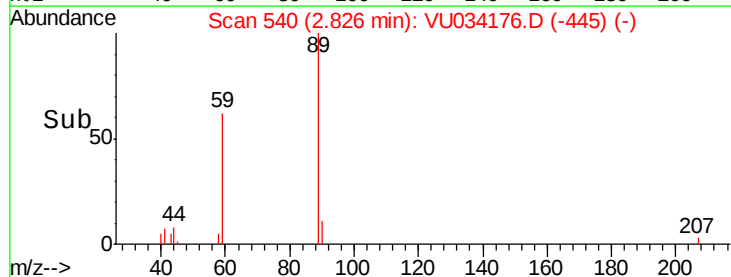
1000

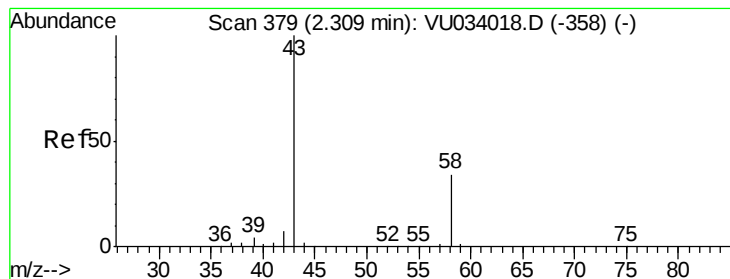
500

0

2.75 2.80 2.85

Time-->





#16

Acetone

Concen: 6.078 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034176.D

Acq: 01 Sep 2019 18:02

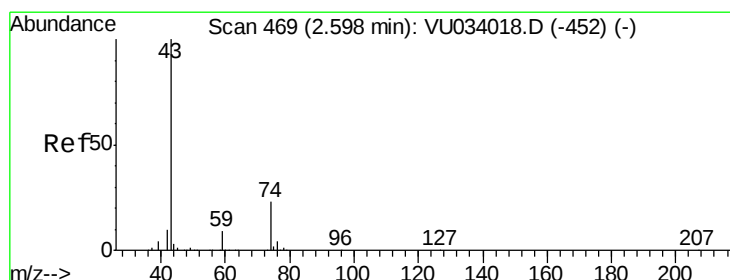
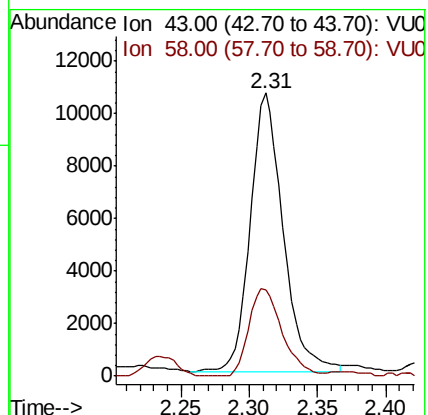
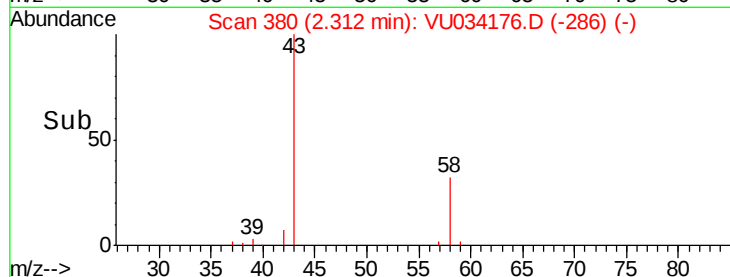
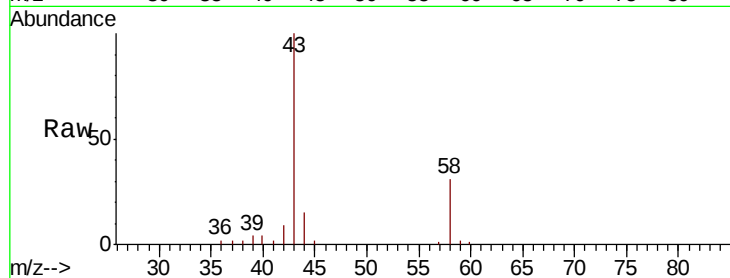
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 17696

Ion Ratio Lower Upper

43 100

58 30.1 26.8 40.2



#18

Methyl Acetate

Concen: 0.390 ug/l

RT: 2.61 min Scan# 473

Delta R.T. 0.01 min

Lab File: VU034176.D

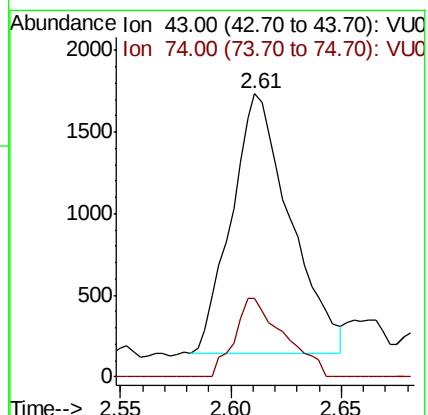
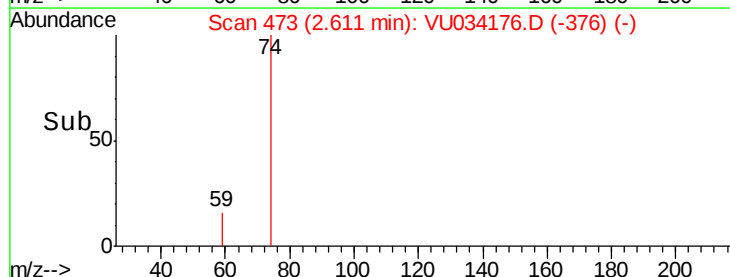
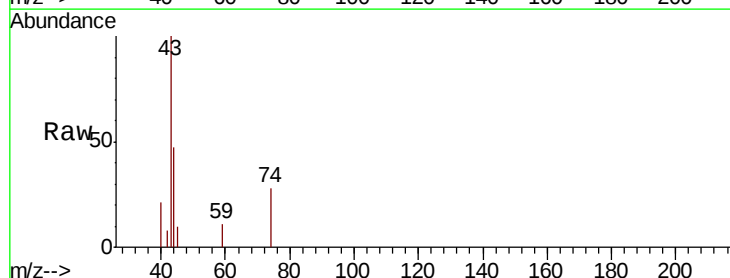
Acq: 01 Sep 2019 18:02

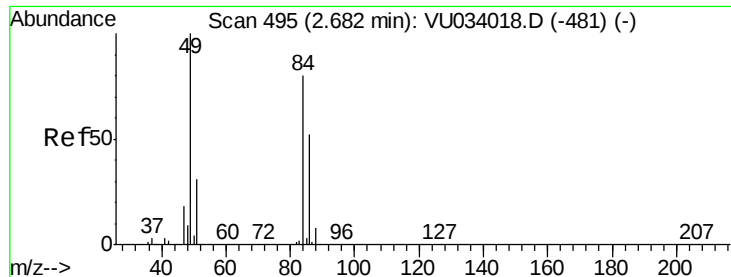
Tgt Ion: 43 Resp: 2936

Ion Ratio Lower Upper

43 100

74 25.5 19.2 28.8

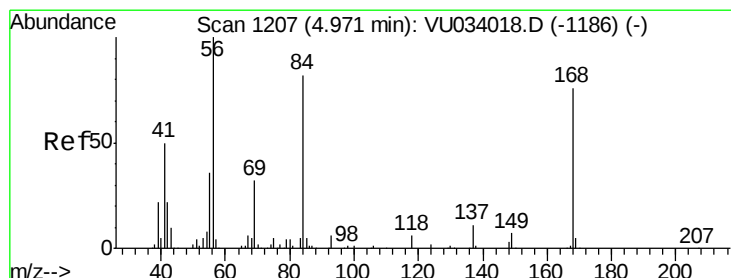
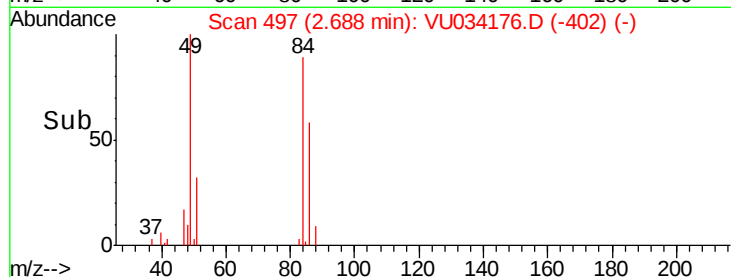
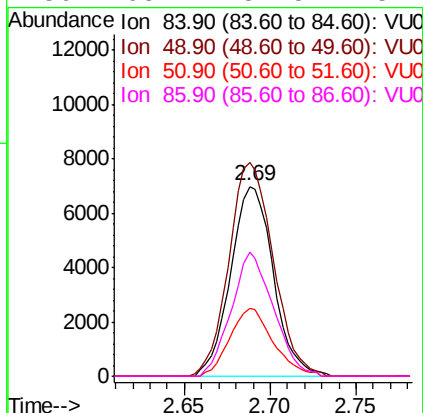
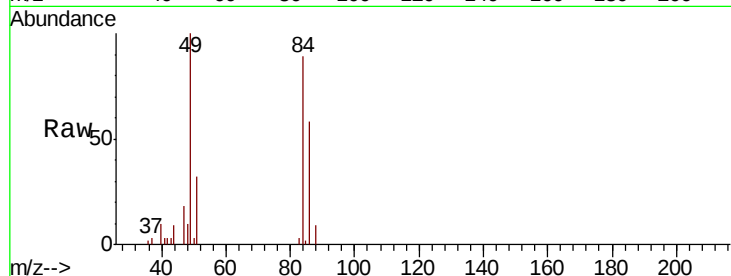




#20
Methylene Chloride
Concen: 2.194 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.01 min
Lab File: VU034176.D
Acq: 01 Sep 2019 18:02

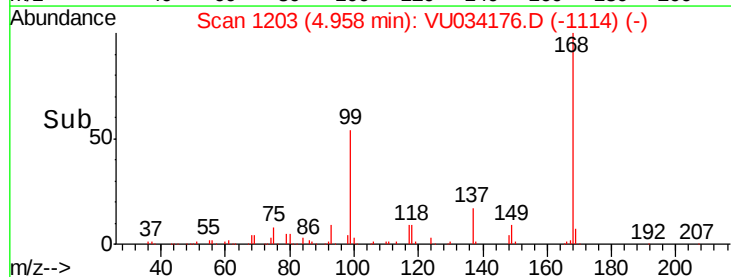
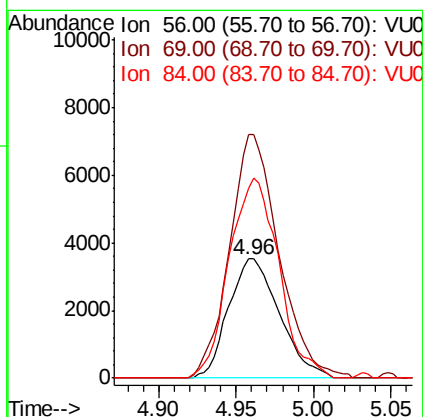
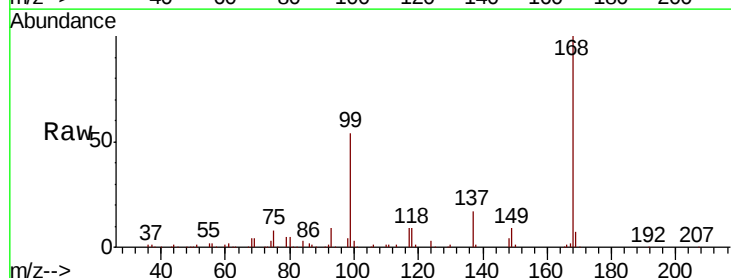
Instrument :
MSVOA_U
ClientSampleId :

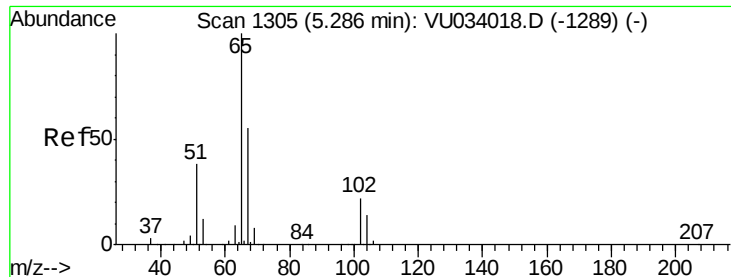
Tot Ion:	84	Resp:	12091
Ion	Ratio	Lower	Upper
84	100		
49	112.7	100.2	150.4
51	35.6	30.8	46.2
86	65.7	52.5	78.7



#31
Cyclohexane
Concen: 0.946 ug/l
RT: 4.96 min Scan# 1203
Delta R.T. -0.01 min
Lab File: VU034176.D
Acq: 01 Sep 2019 18:02

Tgt Ion:	56	Resp:	8063
Ion	Ratio	Lower	Upper
56	100		
69	204.5	25.4	38.0#
84	159.9	65.8	98.8#





#33

1,2-Dichloroethane-d4

Concen: 50.861 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU034176.D

Acq: 01 Sep 2019 18:02

Instrument :

MSVOA_U

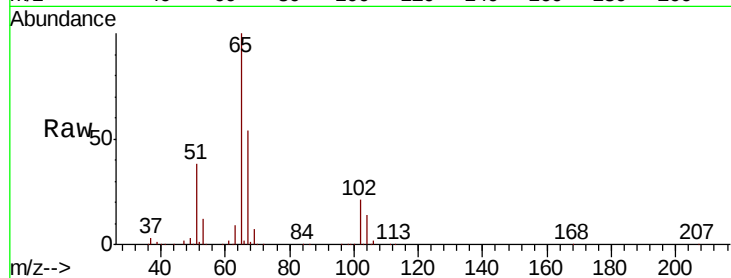
ClientSampled :

Tot Ion: 65 Resp: 290223

Ion Ratio Lower Upper

65 100

67 53.1 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU034018.D (-1289) (-)

Ion 66.90 (66.60 to 67.60): VU034018.D (-1289) (-)

150000

100000

50000

0

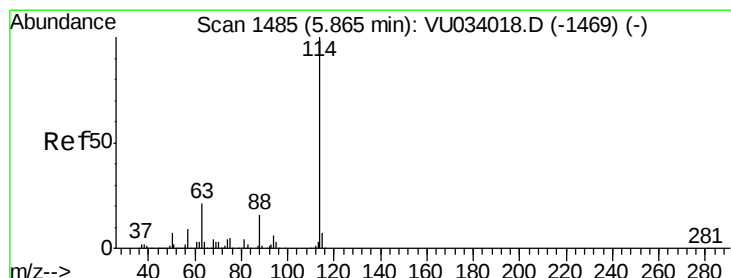
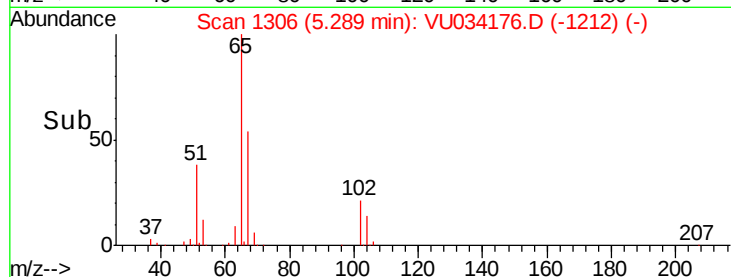
5.29

5.20

5.30

5.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VU034176.D

Acq: 01 Sep 2019 18:02

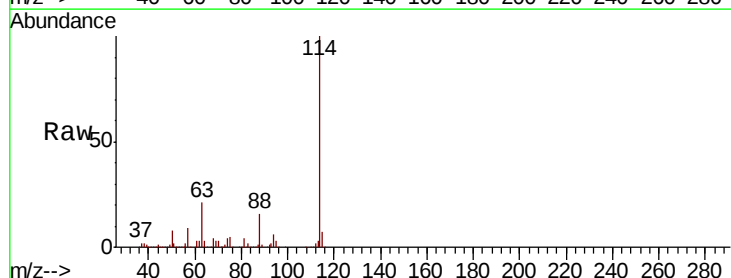
Tgt Ion: 114 Resp: 727825

Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.0

88 15.8 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): VU034018.D (-1469) (-)

Ion 63.00 (62.70 to 63.70): VU034018.D (-1469) (-)

Ion 87.90 (87.60 to 88.60): VU034018.D (-1469) (-)

400000

300000

200000

100000

0

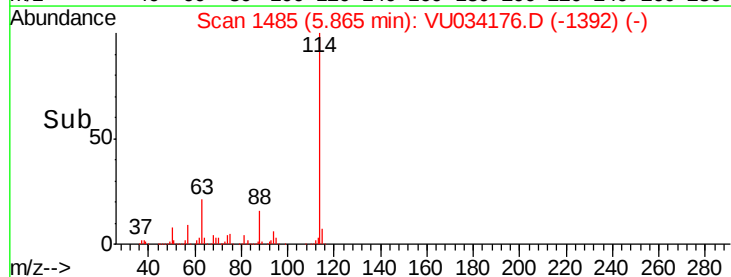
5.86

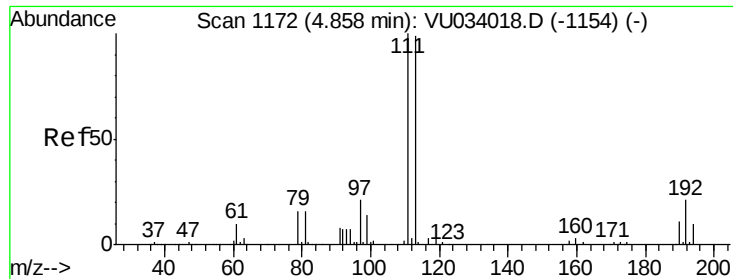
5.80

5.90

6.00

Time-->

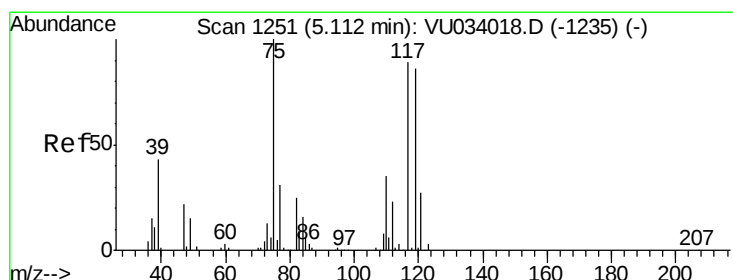
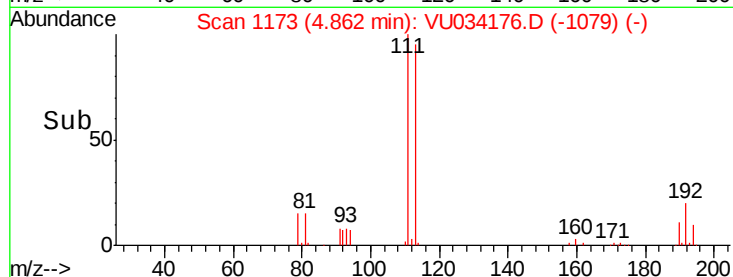
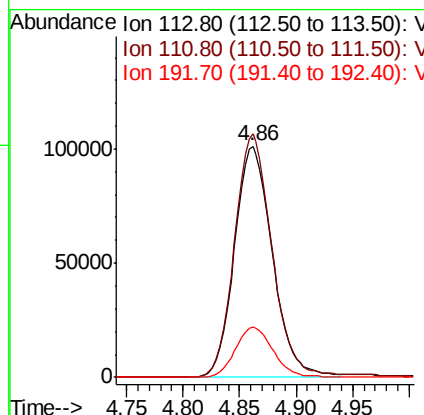
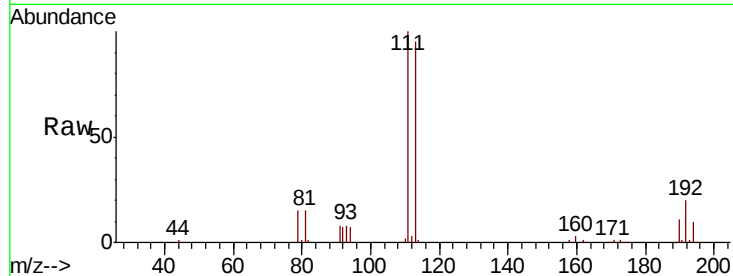




#35
 Dibromofluoromethane
 Concen: 46.926 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034176.D
 Acq: 01 Sep 2019 18:02

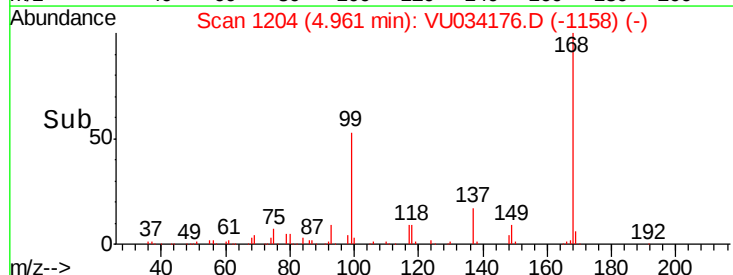
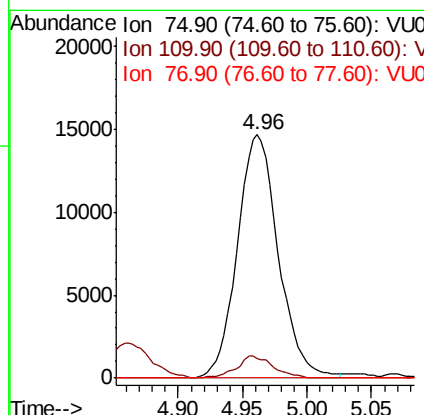
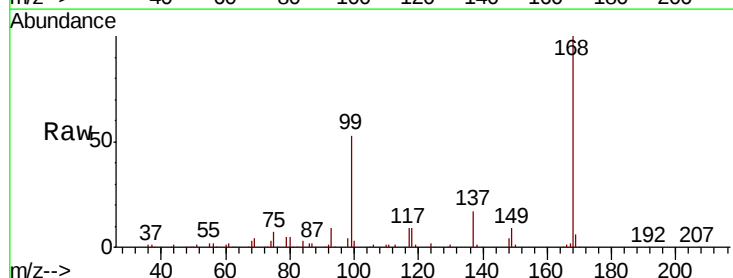
Instrument :
 MSVOA_U
 ClientSampled :

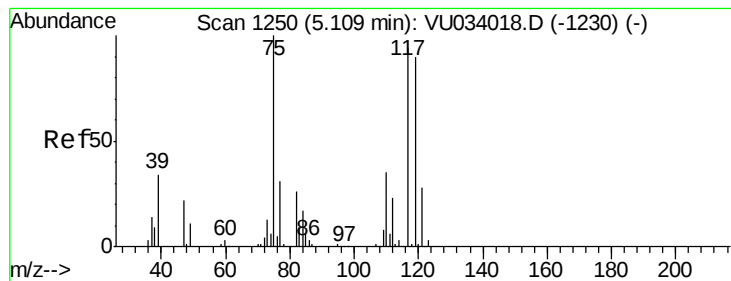
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.7	122.5
192	21.7	17.1	25.7



#36
 1,1-Dichloropropene
 Concen: 4.722 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034176.D
 Acq: 01 Sep 2019 18:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	17.8	53.5#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.289 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.15 min

Lab File: VU034176.D

Acq: 01 Sep 2019 18:02

Instrument :

MSVOA_U

ClientSampleId :

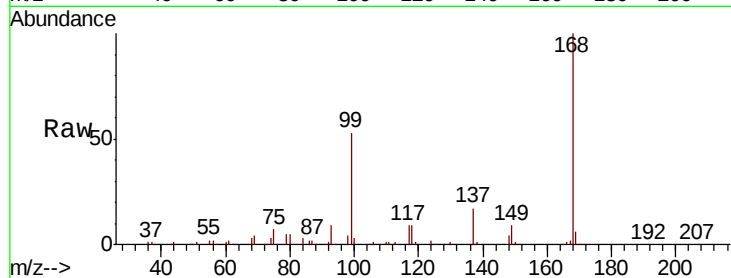
Tot Ion:117 Resp: 41791

Ion Ratio Lower Upper

117 100

119 5.8 77.0 115.4#

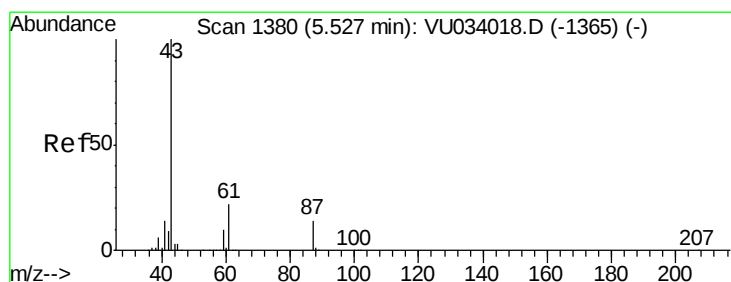
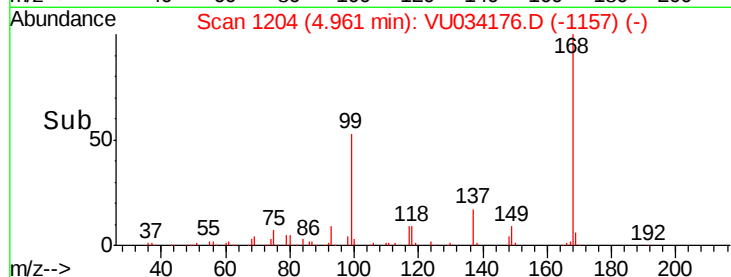
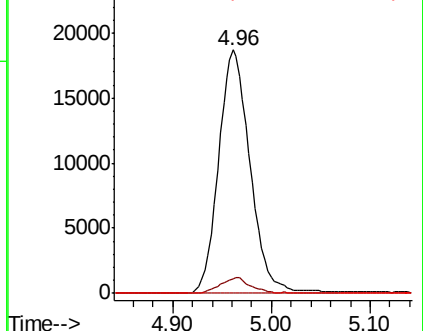
121 0.0 23.9 35.9#



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



#43

Isopropyl Acetate

Concen: 5.922 ug/l

RT: 5.53 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VU034176.D

Acq: 01 Sep 2019 18:02

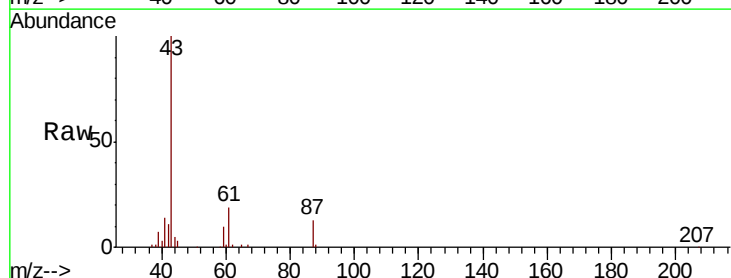
Tgt Ion: 43 Resp: 69452

Ion Ratio Lower Upper

43 100

61 18.7 17.2 25.8

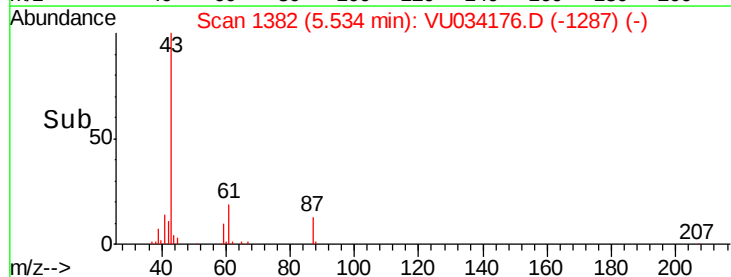
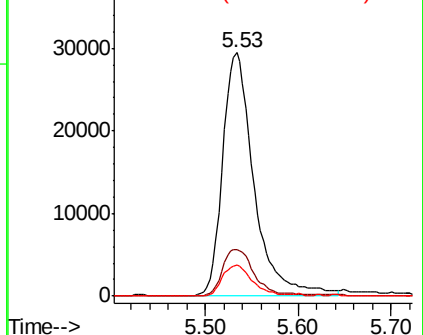
87 12.3 10.8 16.2

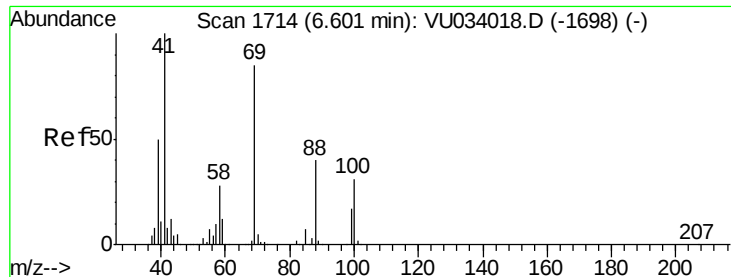


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

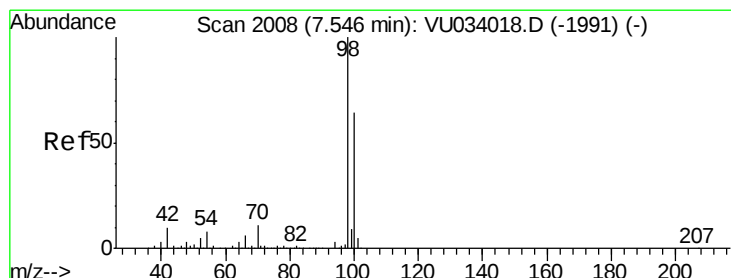
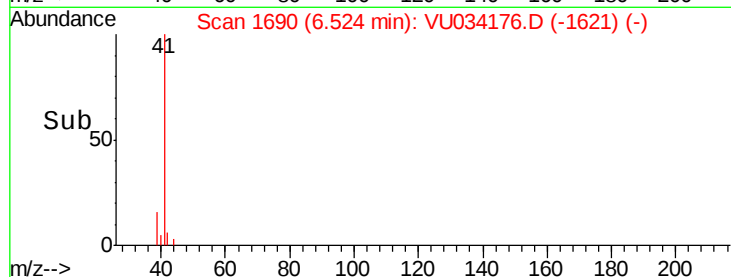
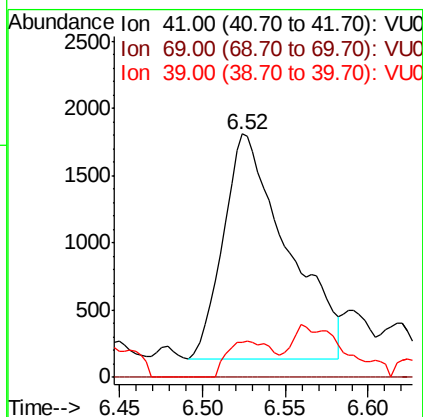
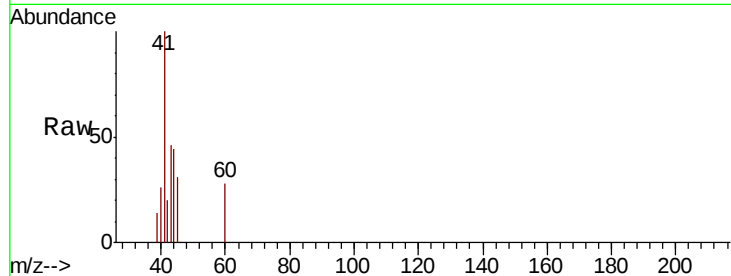




#48
Methvl methacrylate
Concen: 0.788 ug/l
RT: 6.52 min Scan# 1690
Delta R.T. -0.08 min
Lab File: VU034176.D
Acq: 01 Sep 2019 18:02

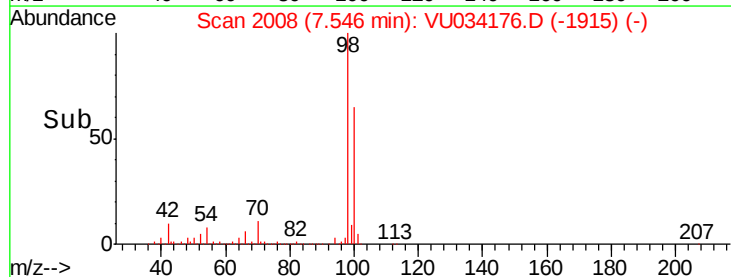
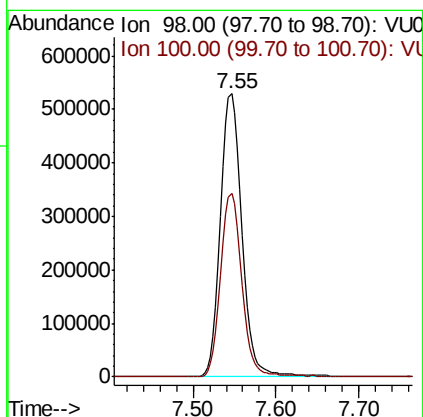
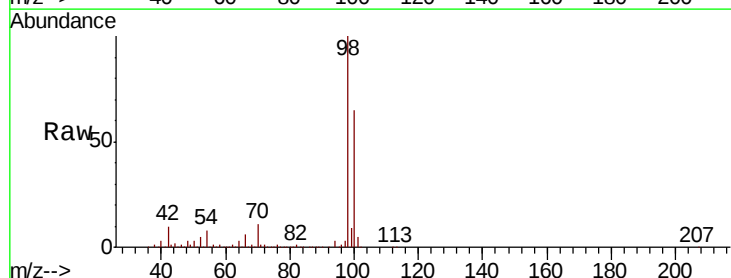
Instrument :
MSVOA_U
ClientSampled :

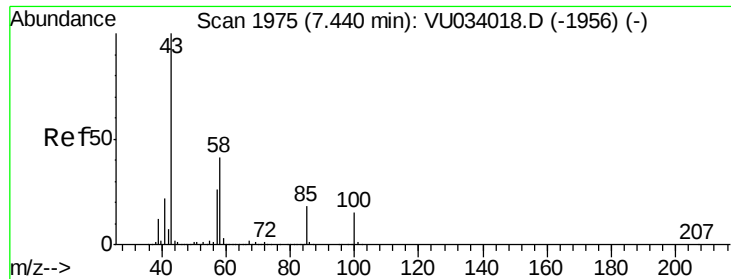
Tot Ion: 41 Resp: 4460
Ion Ratio Lower Upper
41 100
69 0.0 69.5 104.3#
39 0.0 40.3 60.5#



#50
Toluene-d8
Concen: 50.424 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VU034176.D
Acq: 01 Sep 2019 18:02

Tgt Ion: 98 Resp: 953118
Ion Ratio Lower Upper
98 100
100 63.9 50.3 75.5





#51

4-Methyl-2-Pentanone

Concen: 8.065 ug/l

RT: 7.40 min Scan# 1963

Delta R.T. -0.04 min

Lab File: VU034176.D

Acq: 01 Sep 2019 18:02

Instrument :

MSVOA_U

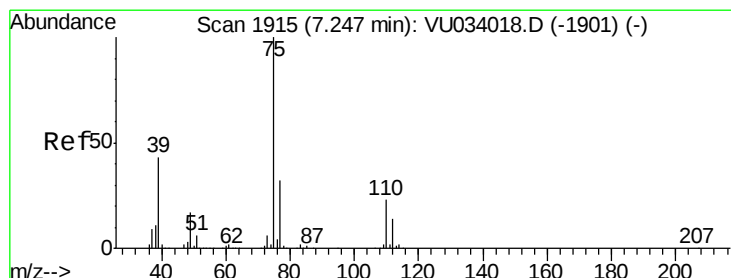
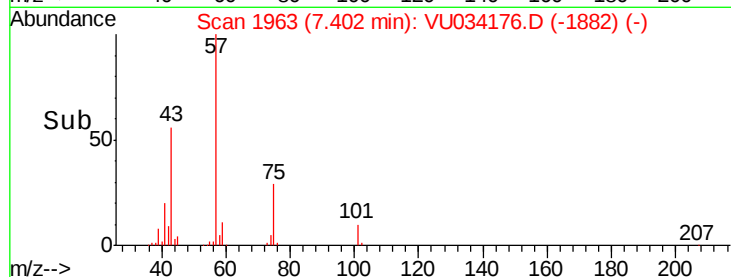
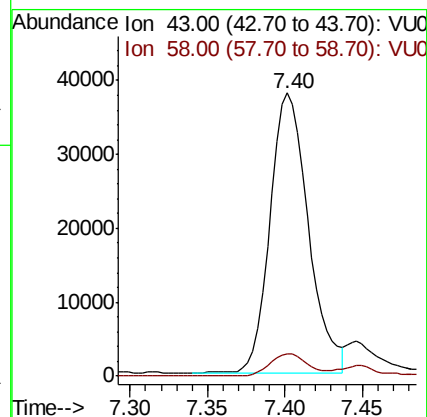
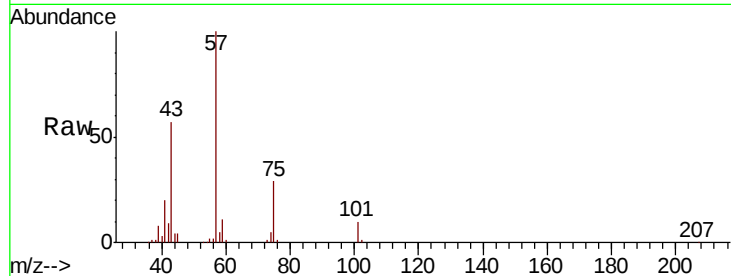
ClientSampleId :

Tot Ion: 43 Resp: 65320

Ion Ratio Lower Upper

43 100

58 8.0 32.2 48.4#



#54

cis-1,3-Dichloropropene

Concen: 3.886 ug/l

RT: 7.40 min Scan# 1963

Delta R.T. 0.15 min

Lab File: VU034176.D

Acq: 01 Sep 2019 18:02

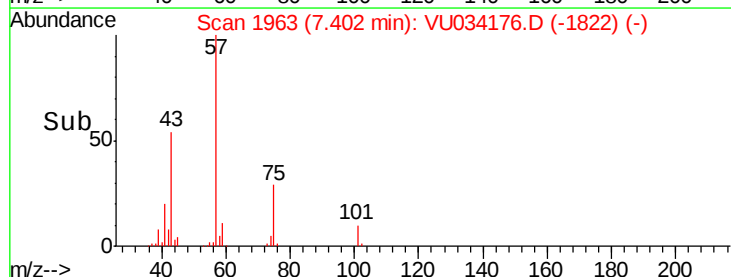
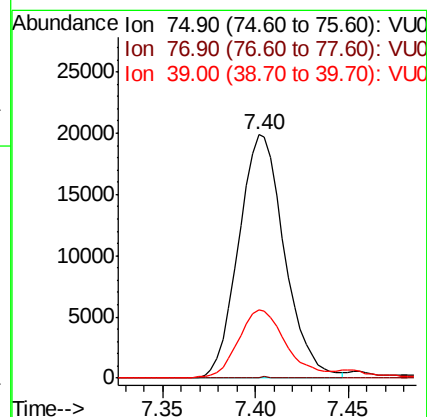
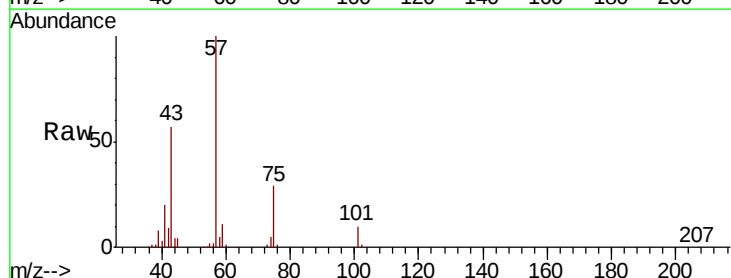
Tgt Ion: 75 Resp: 34044

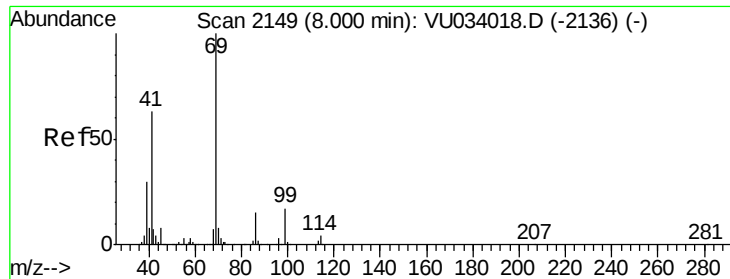
Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

39 28.1 34.6 51.8#





#56

Ethyl methacrylate

Concen: 0.979 ug/l

RT: 7.91 min Scan# 2122

Delta R.T. -0.09 min

Lab File: VU034176.D

Acq: 01 Sep 2019 18:02

Instrument :

MSVOA_U

ClientSampleId :

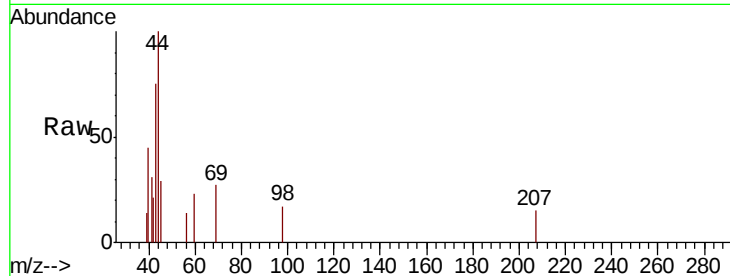
Tot Ion: 69 Resp: 70

Ion Ratio Lower Upper

69 100

41 0.0 50.7 76.1#

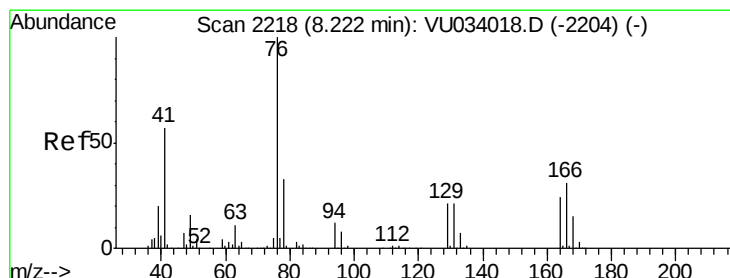
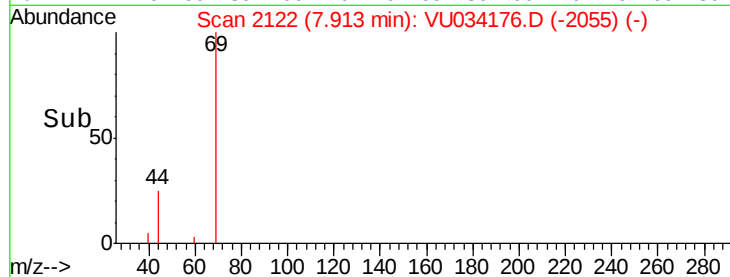
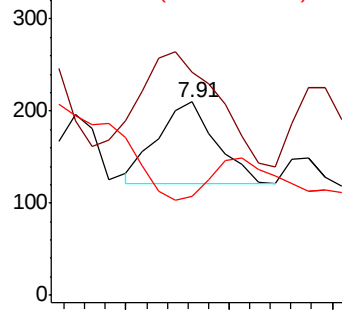
39 0.0 24.2 36.2#



Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0



#57

1,3-Dichloropropane

Concen: 0.524 ug/l

RT: 8.40 min Scan# 2272

Delta R.T. 0.17 min

Lab File: VU034176.D

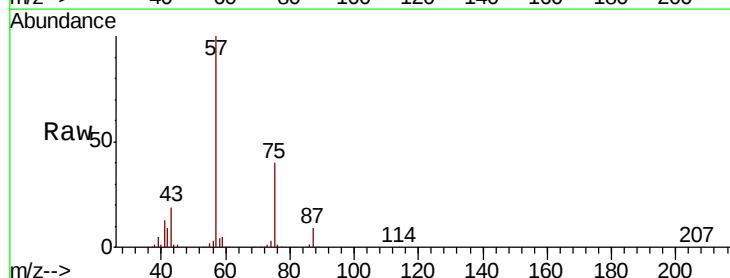
Acq: 01 Sep 2019 18:02

Tgt Ion: 76 Resp: 4833

Ion Ratio Lower Upper

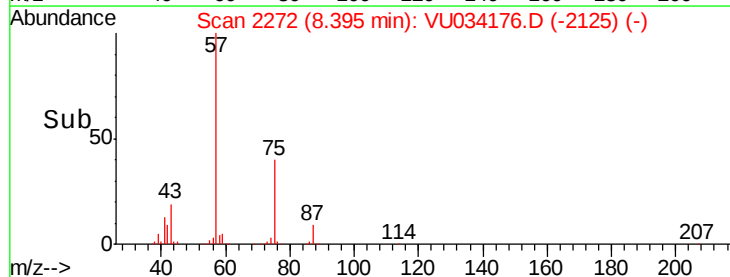
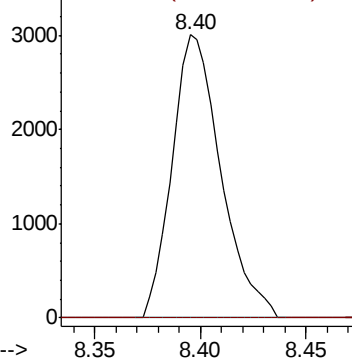
76 100

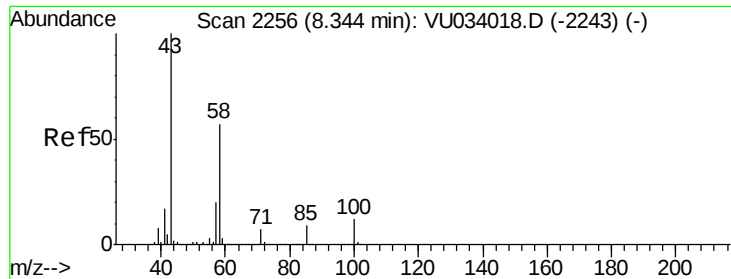
78 0.0 26.2 39.4#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

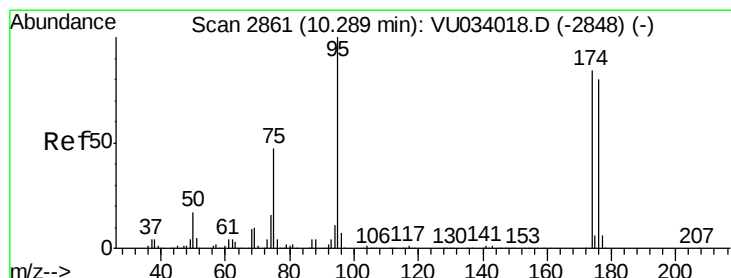
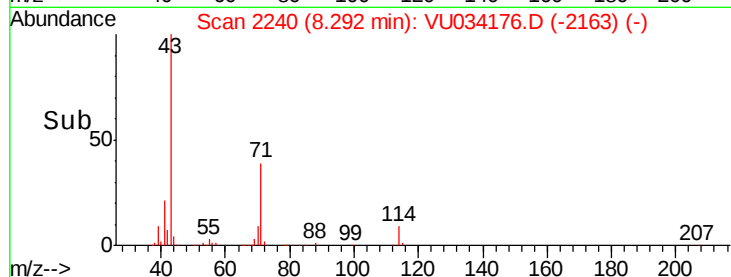
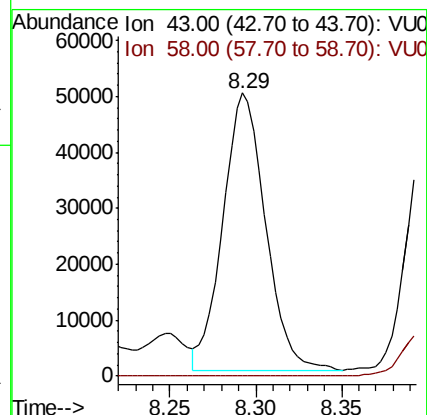
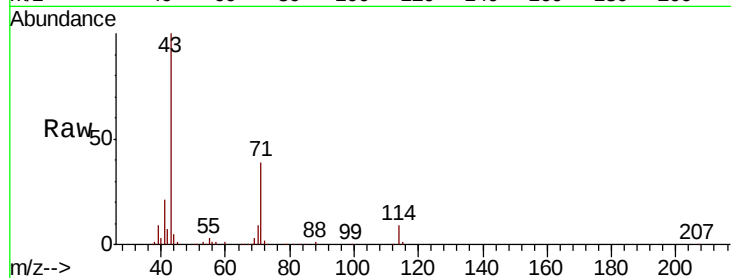




#59
2-Hexanone
Concen: 13.988 ug/l
RT: 8.29 min Scan# 2240
Delta R.T. -0.05 min
Lab File: VU034176.D
Acq: 01 Sep 2019 18:02

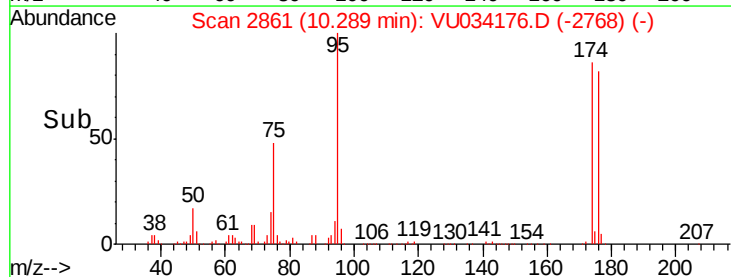
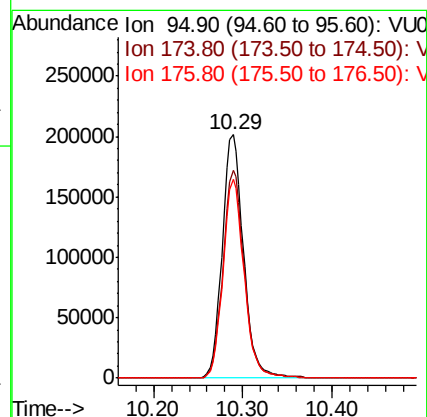
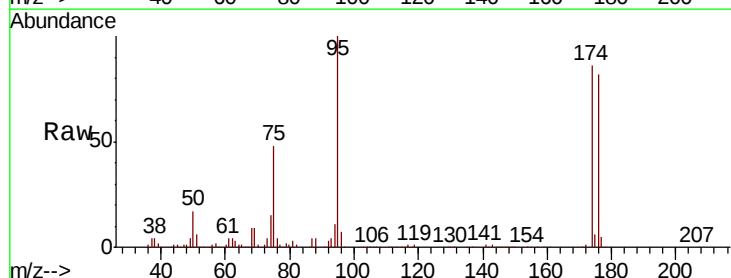
Instrument :
MSVOA_U
ClientSampleId :

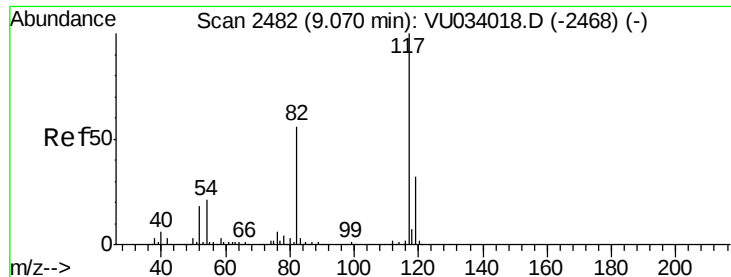
Tot Ion: 43 Resp: 85530
Ion Ratio Lower Upper
43 100
58 0.0 28.4 85.3#



#62
4-Bromofluorobenzene
Concen: 45.279 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. -0.00 min
Lab File: VU034176.D
Acq: 01 Sep 2019 18:02

Tgt Ion: 95 Resp: 332921
Ion Ratio Lower Upper
95 100
174 85.7 0.0 168.8
176 81.2 0.0 161.8

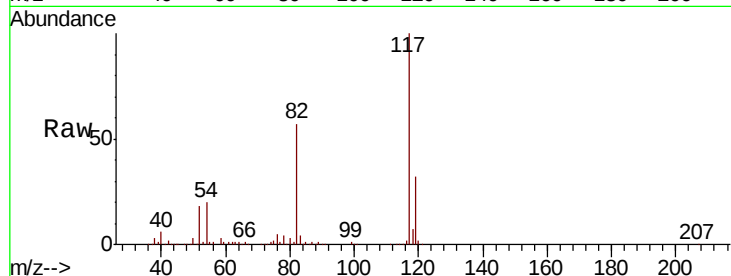




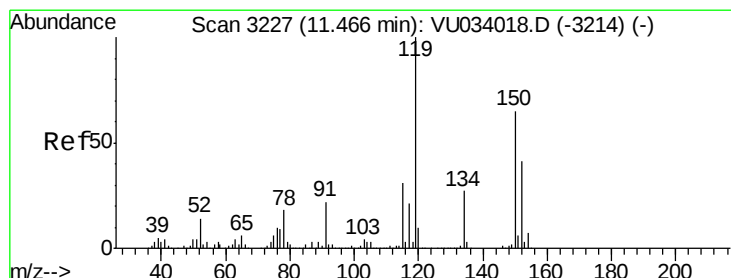
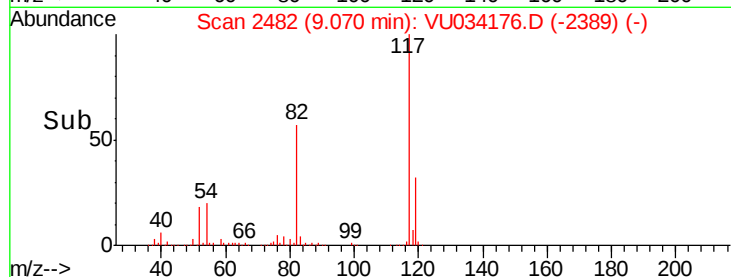
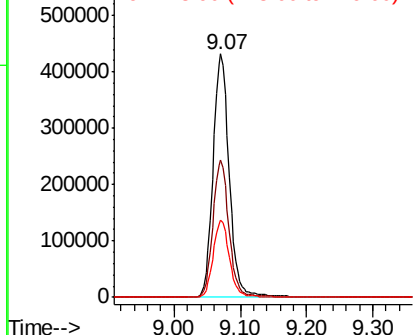
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU034176.D
Acq: 01 Sep 2019 18:02

Instrument :
MSVOA_U
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	45.1	67.7
119	31.6	25.4	38.0

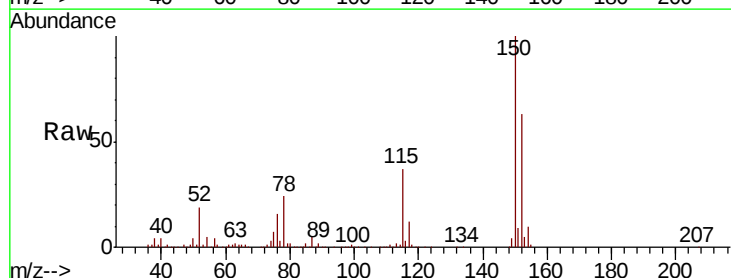


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

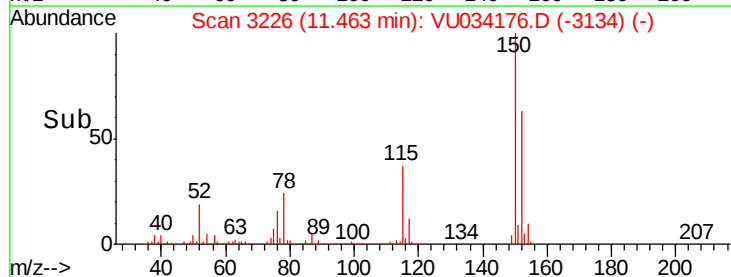
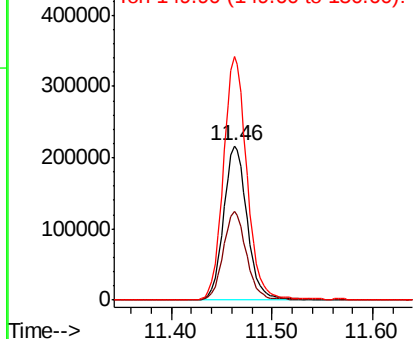


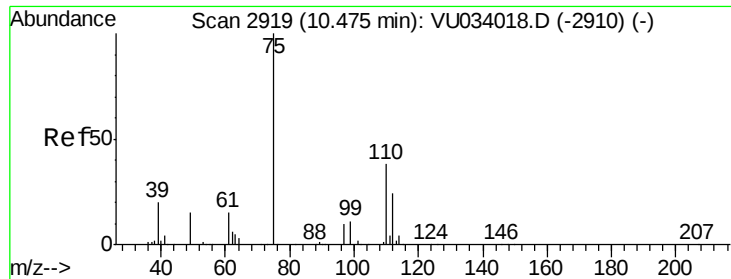
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VU034176.D
Acq: 01 Sep 2019 18:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	41.1	123.3
150	157.1	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

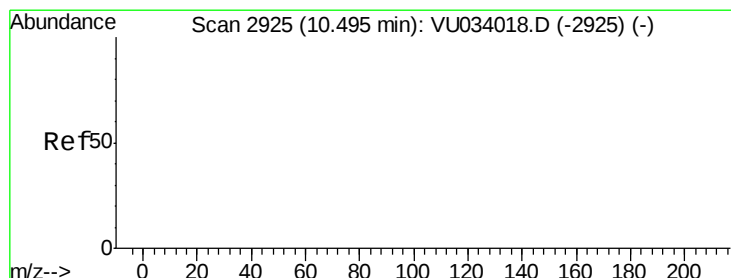
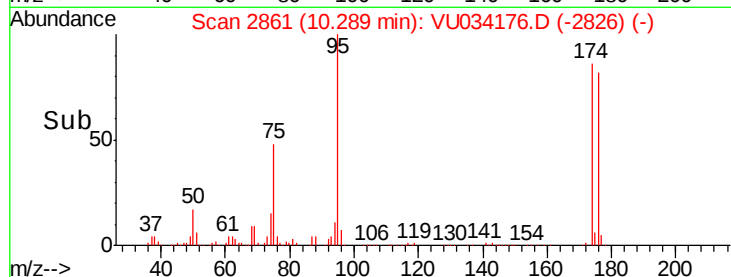
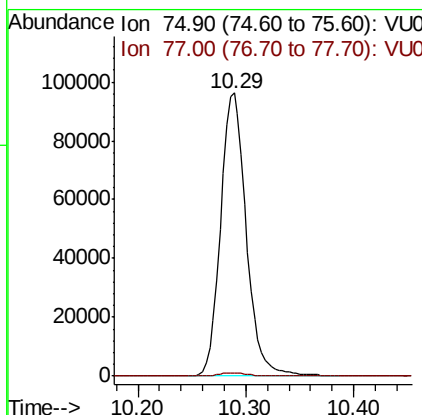
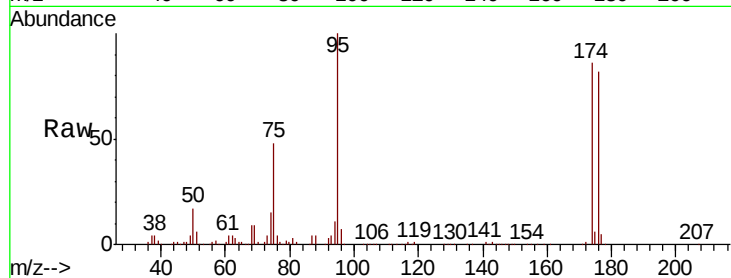




#76
 1,2,3-Trichloropropane
 Concen: 19.912 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. -0.19 min
 Lab File: VU034176.D
 Acq: 01 Sep 2019 18:02

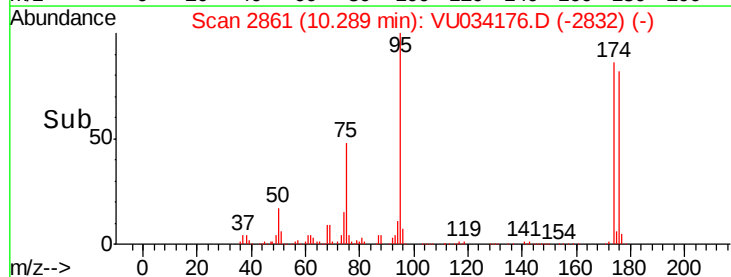
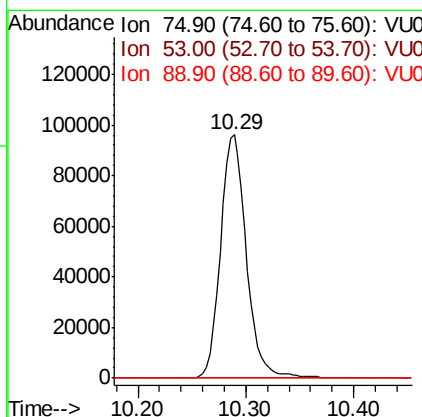
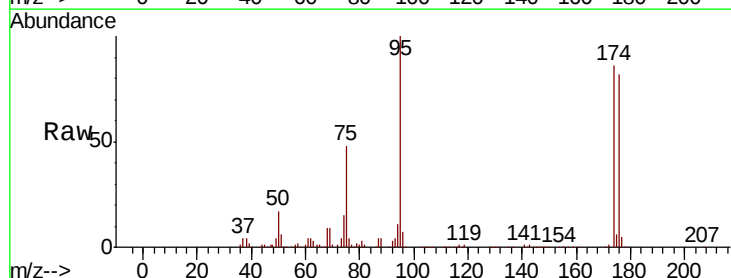
Instrument :
 MSVOA_U
 ClientSampled :

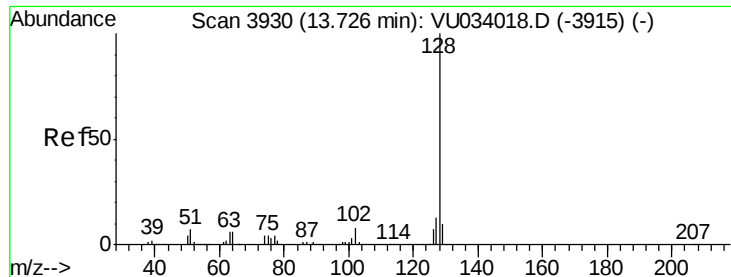
Tot Ion: 75 Resp: 159417
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.1 60.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.048 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. -0.21 min
 Lab File: VU034176.D
 Acq: 01 Sep 2019 18:02

Tgt Ion: 75 Resp: 159417
 Ion Ratio Lower Upper
 75 100
 53 0.1 0.0 0.0#
 89 0.0 0.0 0.0

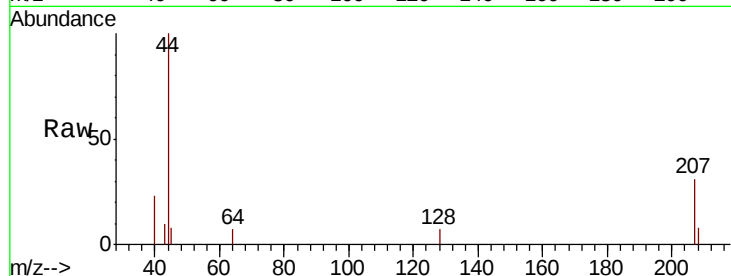




#95
Naphthalene
Concen: 1.792 ug/l
RT: 13.83 min Scan# 3962
Delta R.T. 0.10 min
Lab File: VU034176.D
Acq: 01 Sep 2019 18:02

Instrument :
MSVOA_U
ClientSampleId :

Tot 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

