

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090219\
 Data File : VU034134.D
 Acq On : 31 Aug 2019 20:44
 Operator : JC/SP
 Sample : VU0902WBL01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBL01

Quant Time: Sep 01 04:49:53 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	455926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	735376	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	703590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	344858	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	287468	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
35) Dibromofluoromethane	4.86	113	237702	46.60	ug/l	0.00
Spiked Amount			Recovery	=	93.20%	
50) Toluene-d8	7.55	98	904781	47.38	ug/l	0.00
Spiked Amount			Recovery	=	94.76%	
62) 4-Bromofluorobenzene	10.29	95	319715	43.04	ug/l	0.00
Spiked Amount			Recovery	=	86.08%	

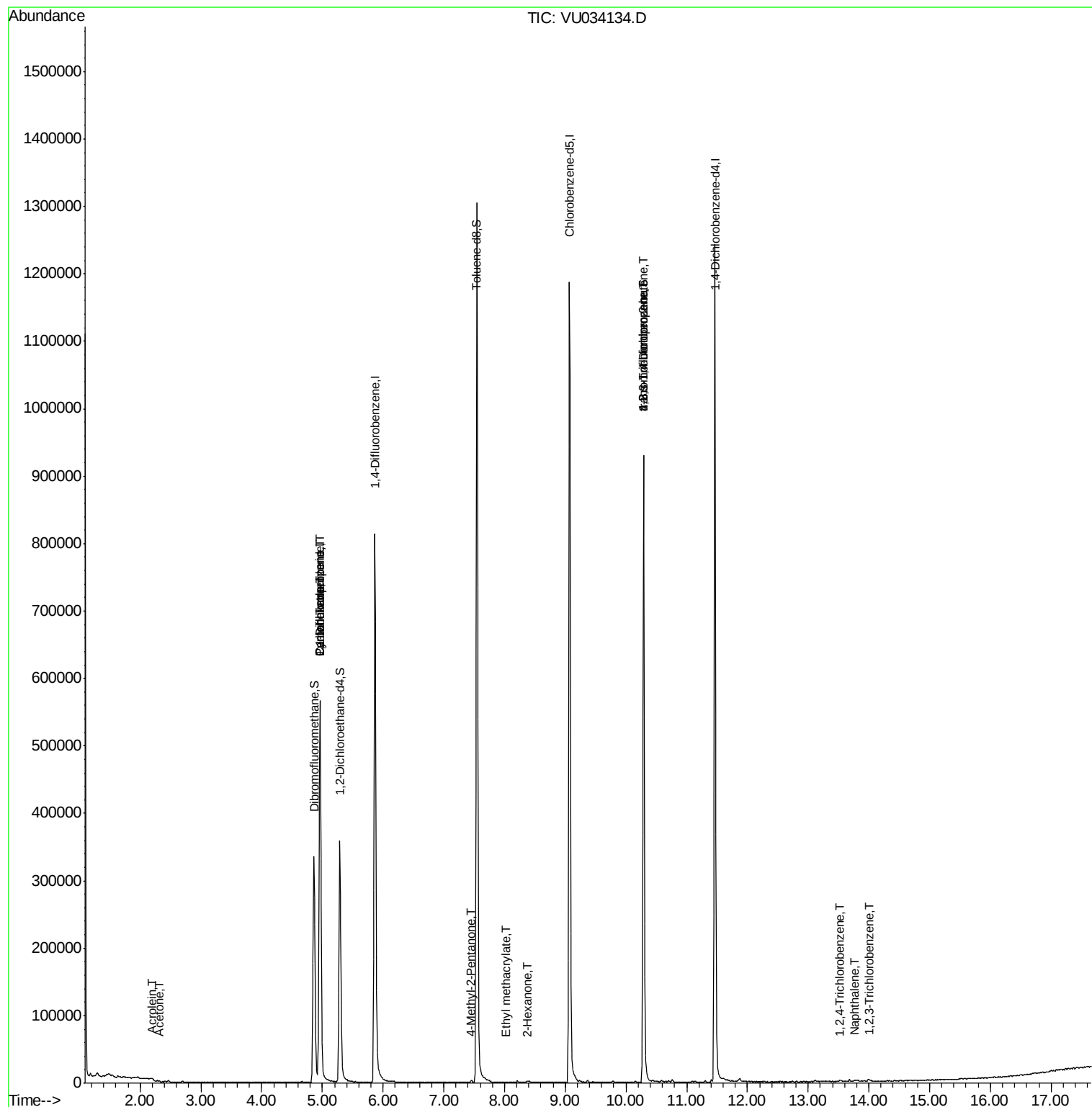
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	686	Below Cal	#	79
5) Bromomethane	1.63	94	1435	Below Cal		89
13) Acrolein	2.19	56	306	0.540	ug/l #	80
16) Acetone	2.31	43	1380	0.463	ug/l #	78
31) Cyclohexane	4.96	56	8568	0.982	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	33472	4.812	ug/l #	48
38) Carbon Tetrachloride	4.96	117	42379	6.312	ug/l #	16
51) 4-Methyl-2-Pentanone	7.45	43	2725	0.333	ug/l	88
56) Ethyl methacrylate	8.03	69	123	0.985	ug/l #	20
59) 2-Hexanone	8.38	43	2067	0.335	ug/l	63
76) 1,2,3-Trichloropropane	10.29	75	152852	19.666	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.29	75	152852	66.219	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.52	180	726	1.208	ug/l	76
95) Naphthalene	13.76	128	2018	1.880	ug/l #	95
96) 1,2,3-Trichlorobenzene	13.99	180	1535	0.227	ug/l	91

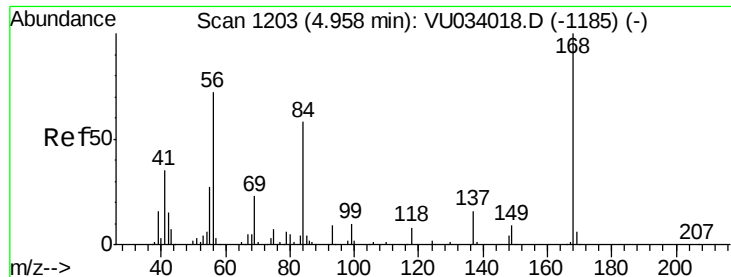
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU090219\
Data File : VU034134.D
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ClientSampleId :
VU0902WBL01

Quant Time: Sep 01 04:49:53 2019
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: VU034134.D

Acq: 31 Aug 2019 20:44

Instrument :

MSVOA_U

ClientSampleId :

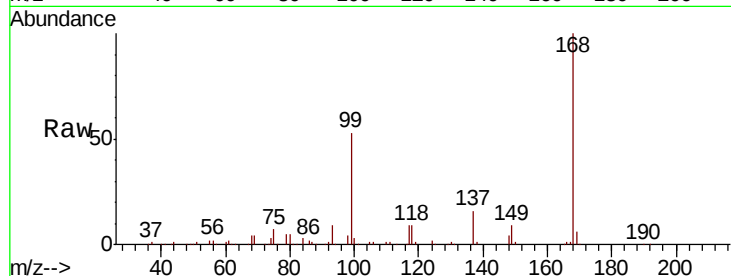
VU0902WBL01

Tgt Ion:168 Resp: 455926

Ion Ratio Lower Upper

168 100

99 53.5 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

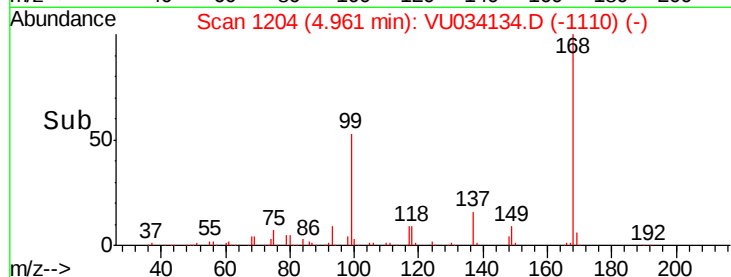
100000

50000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 74

Delta R.T. 0.01 min

Lab File: VU034134.D

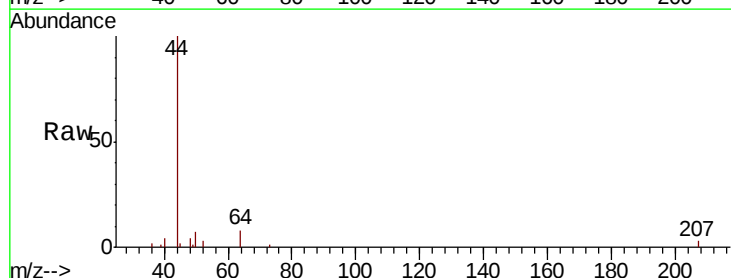
Acq: 31 Aug 2019 20:44

Tgt Ion: 50 Resp: 686

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) (-)

1.33

600

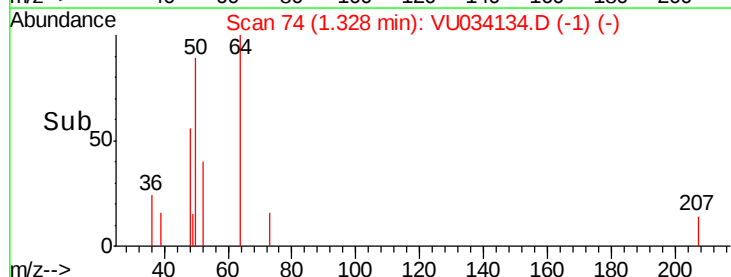
400

200

0

1.30 1.32 1.34 1.36

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 168

Delta R.T. 0.03 min

Lab File: VU034134.D

Acq: 31 Aug 2019 20:44

Instrument :

MSVOA_U

ClientSampleId :

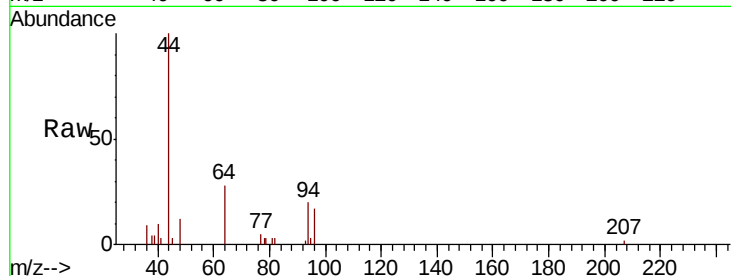
VU0902WBL01

Tgt Ion: 94 Resp: 1435

Ion Ratio Lower Upper

94 100

96 85.0 76.3 114.5



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.63

800

600

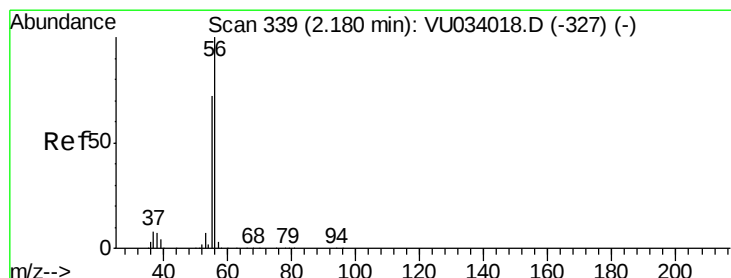
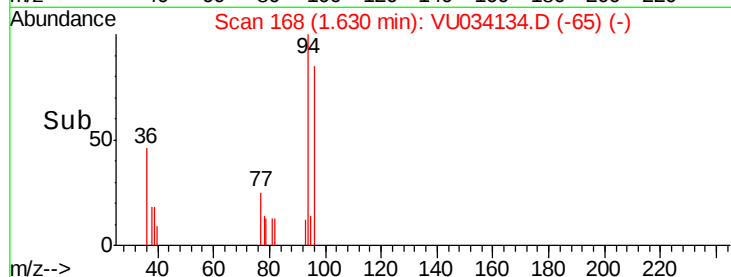
400

200

0

1.60 1.65

Time-->



#13

Acrolein

Concen: 0.540 ug/l

RT: 2.19 min Scan# 341

Delta R.T. 0.01 min

Lab File: VU034134.D

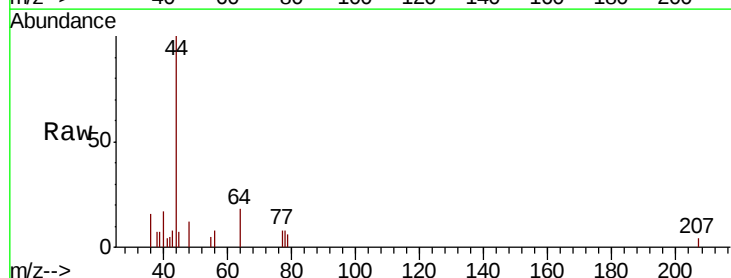
Acq: 31 Aug 2019 20:44

Tgt Ion: 56 Resp: 306

Ion Ratio Lower Upper

56 100

55 87.9 57.1 85.7#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.19

250

200

150

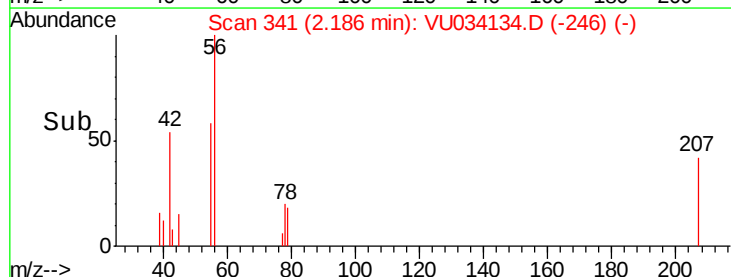
100

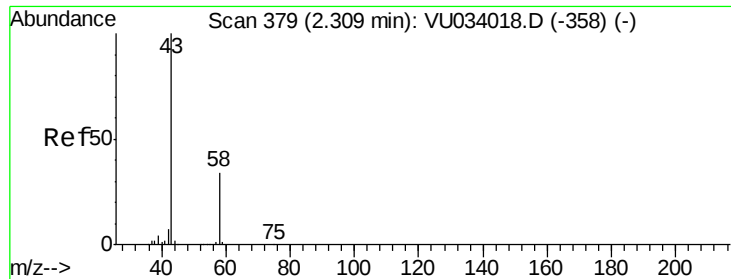
50

0

2.16 2.18 2.20 2.22

Time-->





#16

Acetone

Concen: 0.463 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034134.D

Acq: 31 Aug 2019 20:44

Instrument :

MSVOA_U

ClientSampleId :

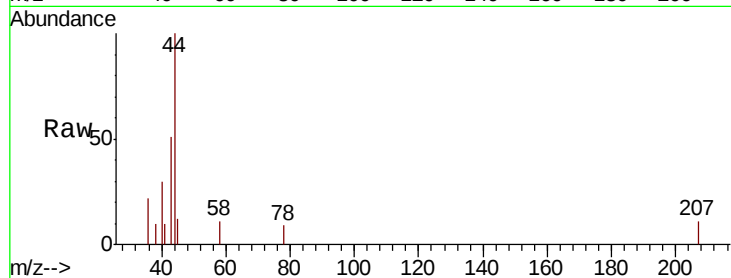
VU0902WBL01

Tgt Ion: 43 Resp: 1380

Ion Ratio Lower Upper

43 100

58 21.0 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) (-)

2.31

600

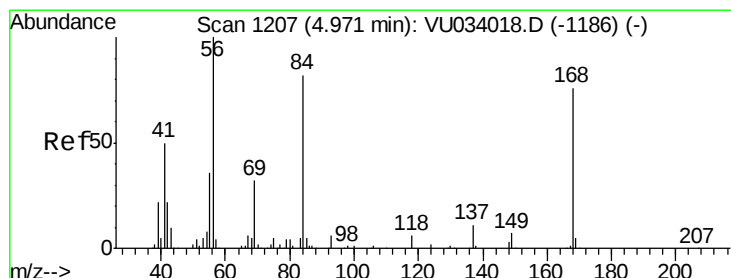
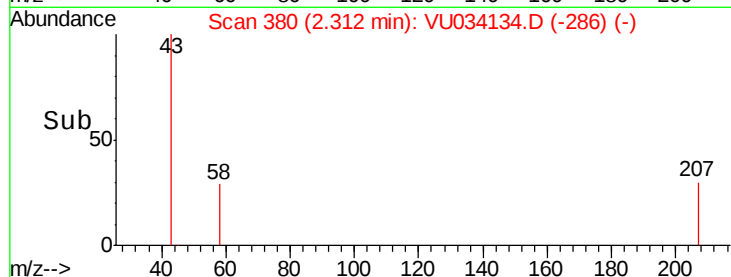
400

200

0

2.25 2.30 2.35

Time-->



#31

Cyclohexane

Concen: 0.982 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VU034134.D

Acq: 31 Aug 2019 20:44

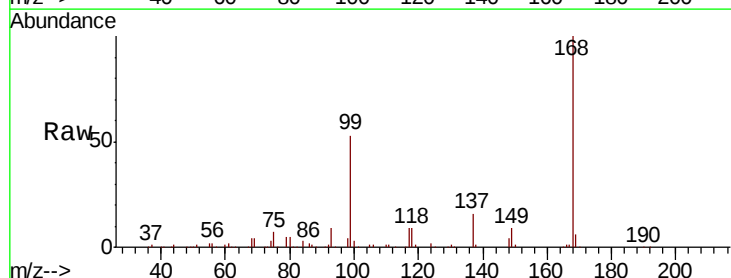
Tgt Ion: 56 Resp: 8568

Ion Ratio Lower Upper

56 100

69 196.9 25.4 38.0#

84 142.1 65.8 98.8#



Abundance Ion 56.00 (55.70 to 56.70): VU034018.D (-1186) (-)

Ion 69.00 (68.70 to 69.70): VU034018.D (-1186) (-)

Ion 84.00 (83.70 to 84.70): VU034018.D (-1186) (-)

10000

8000

6000

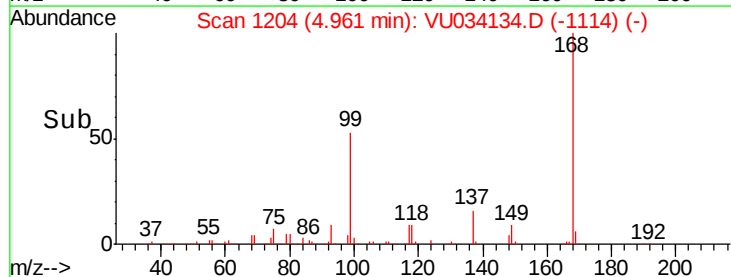
4000

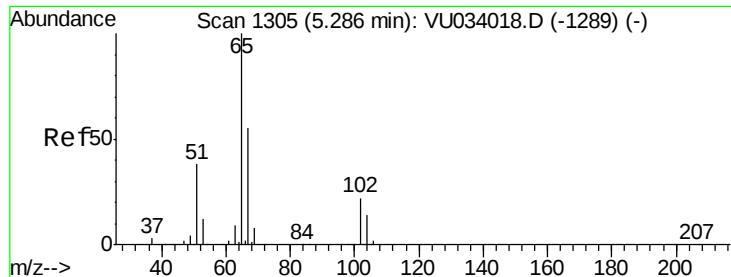
2000

0

4.90 4.95 5.00 5.05

Time-->

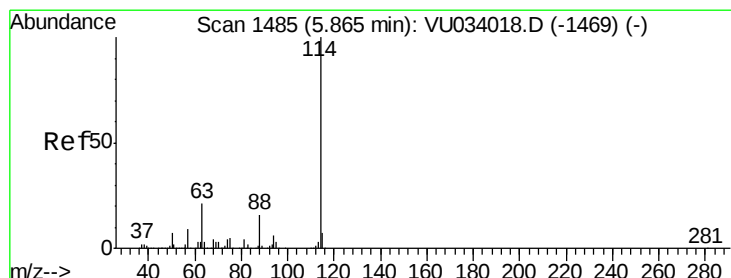
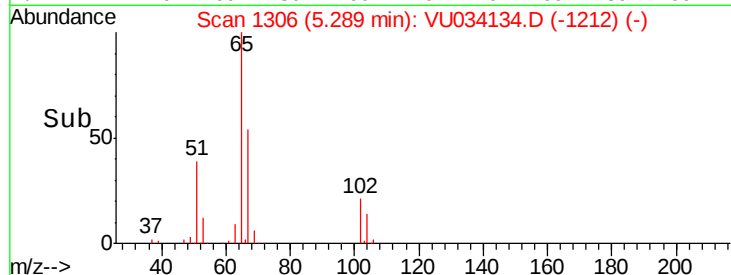
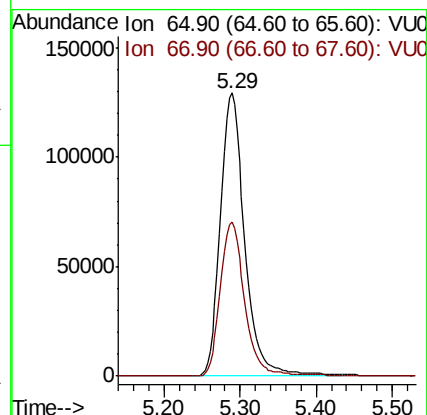
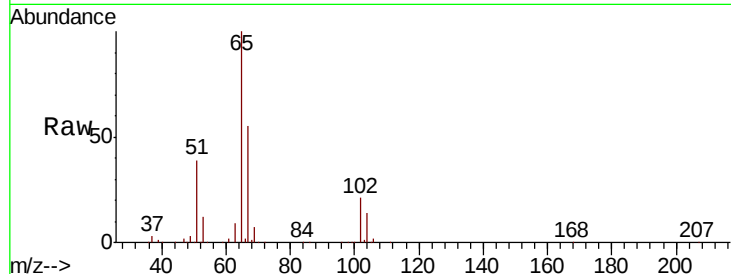




#33
 1,2-Dichloroethane-d4
 Concen: 49.207 ug/l
 RT: 5.29 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU034134.D
 Acq: 31 Aug 2019 20:44

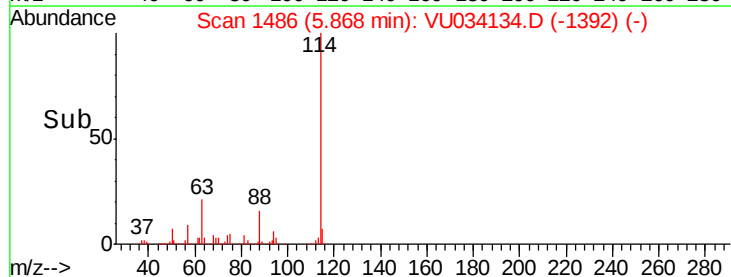
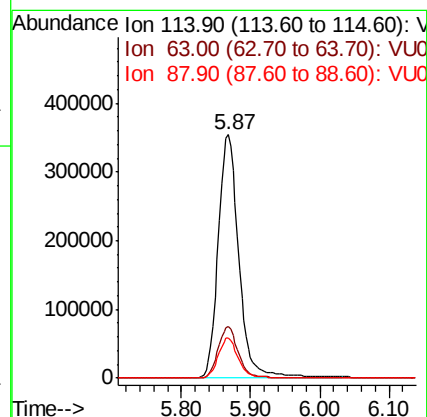
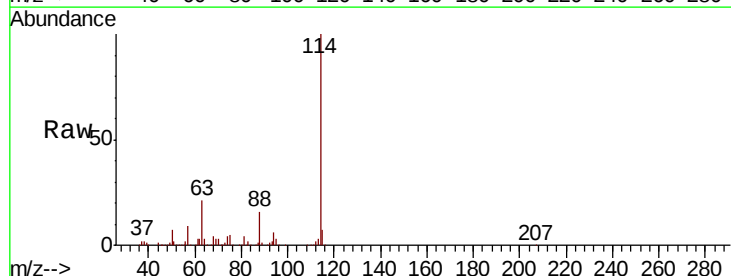
Instrument :
 MSVOA_U
 ClientSampled :
 VU0902WBL01

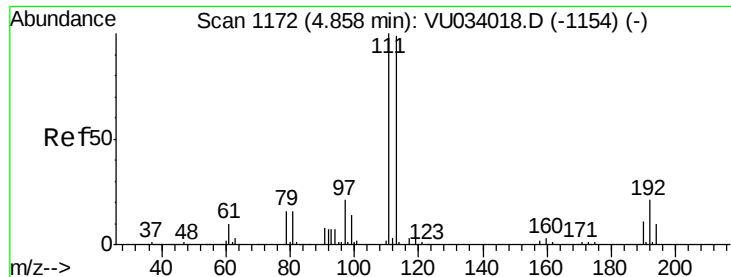
Tgt Ion: 65 Resp: 287468
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034134.D
 Acq: 31 Aug 2019 20:44

Tgt Ion: 114 Resp: 735376
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 42.0
 88 16.5 0.0 32.0

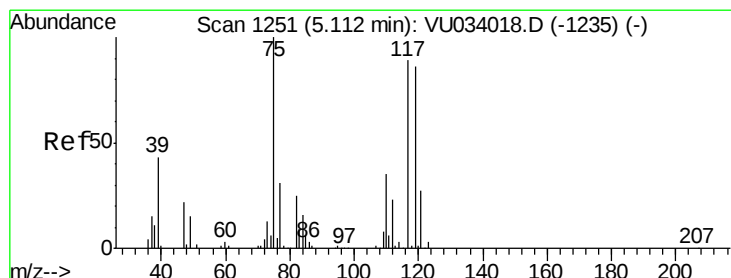
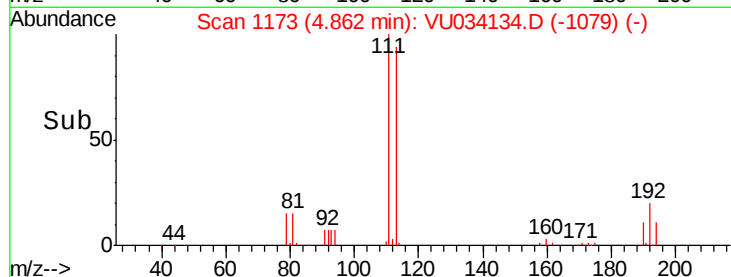
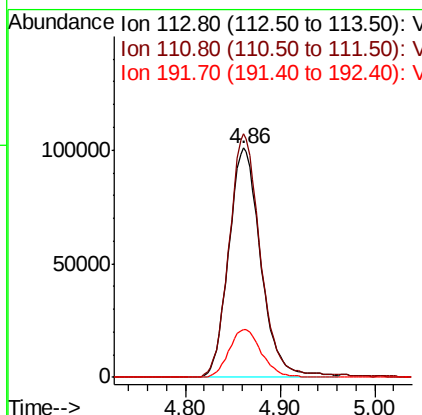
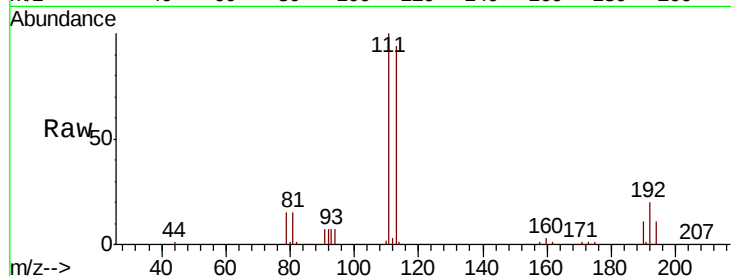




#35
 Dibromofluoromethane
 Concen: 46.604 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034134.D
 Acq: 31 Aug 2019 20:44

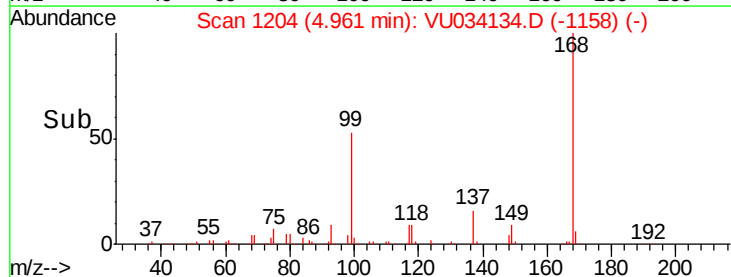
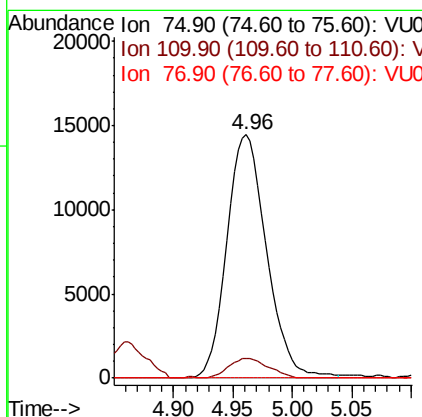
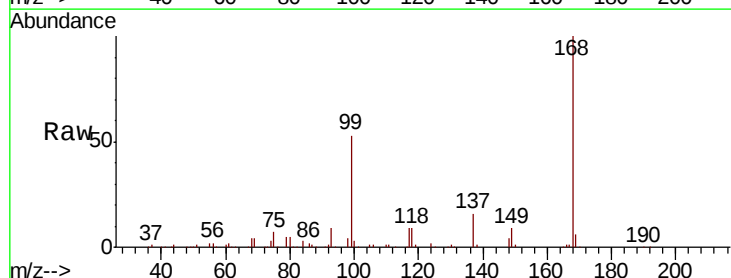
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBL01

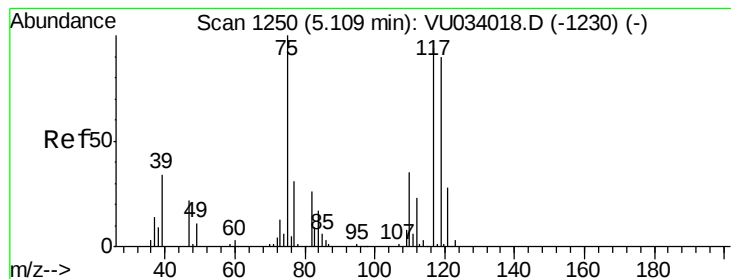
Tgt Ion:113 Resp: 237702
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.7 122.5
 192 21.4 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.812 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034134.D
 Acq: 31 Aug 2019 20:44

Tgt Ion: 75 Resp: 33472
 Ion Ratio Lower Upper
 75 100
 110 8.1 17.8 53.5#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.312 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.15 min

Lab File: VU034134.D

Acq: 31 Aug 2019 20:44

Instrument :

MSVOA_U

ClientSampleId :

VU0902WBL01

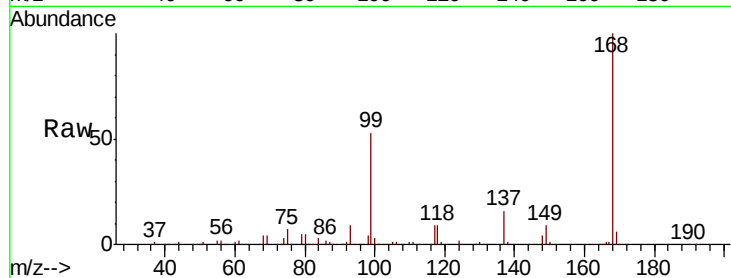
Tgt Ion:117 Resp: 42379

Ion Ratio Lower Upper

117 100

119 5.8 77.0 115.4#

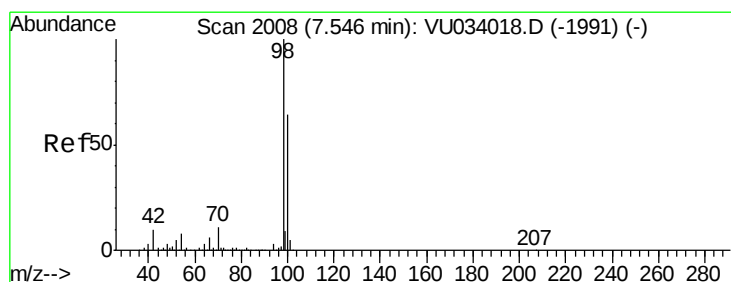
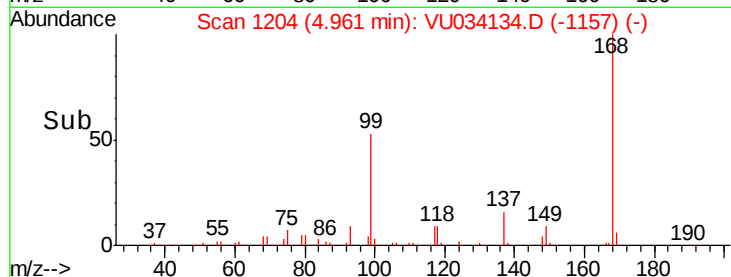
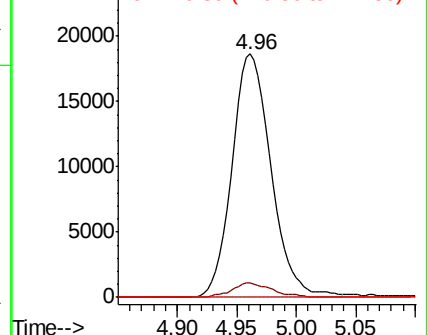
121 0.0 23.9 35.9#



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



#50

Toluene-d8

Concen: 47.375 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. -0.00 min

Lab File: VU034134.D

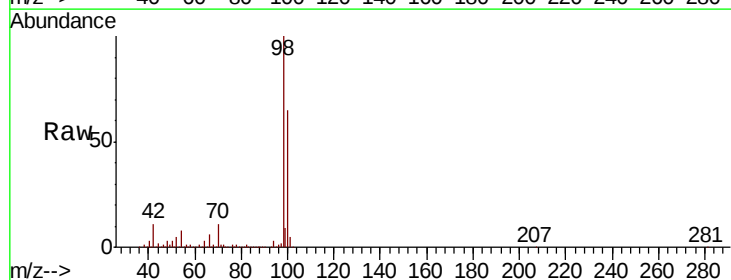
Acq: 31 Aug 2019 20:44

Tgt Ion: 98 Resp: 904781

Ion Ratio Lower Upper

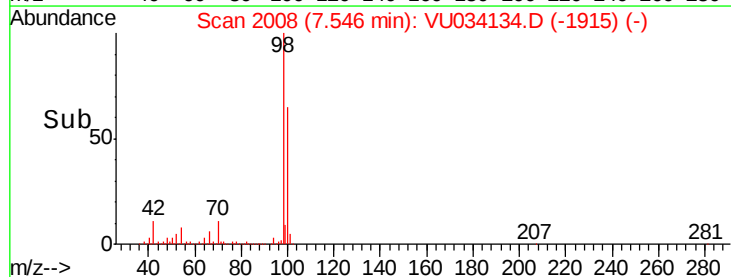
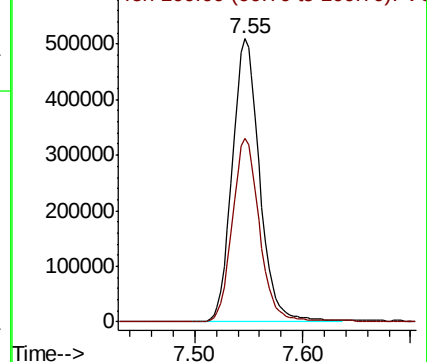
98 100

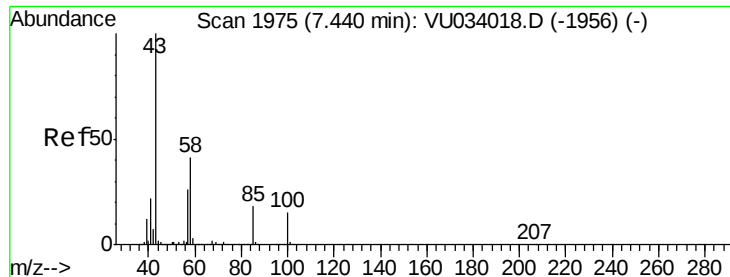
100 64.4 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#51

4-Methyl-2-Pentanone

Concen: 0.333 ug/l

RT: 7.45 min Scan# 1979

Delta R.T. 0.01 min

Lab File: VU034134.D

Acq: 31 Aug 2019 20:44

Instrument :

MSVOA_U

ClientSampleId :

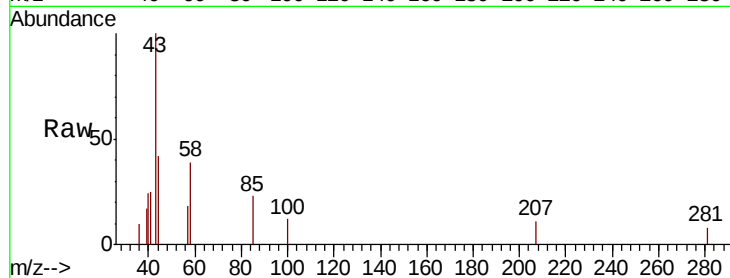
VU0902WBL01

Tgt Ion: 43 Resp: 2725

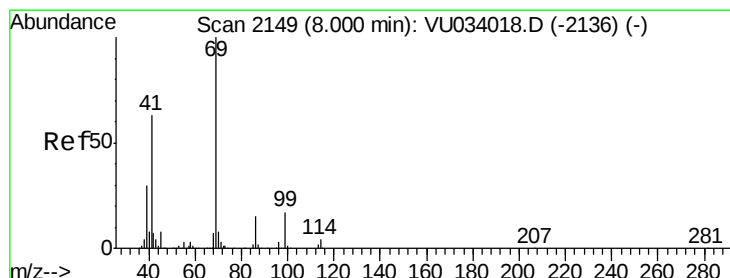
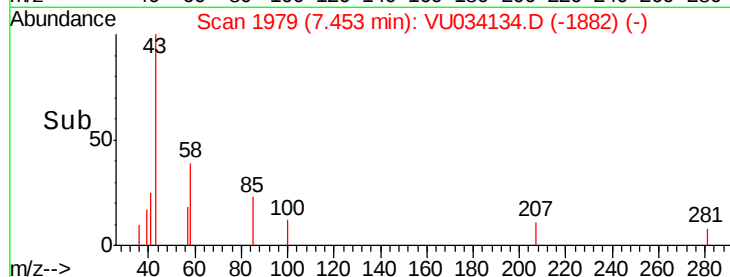
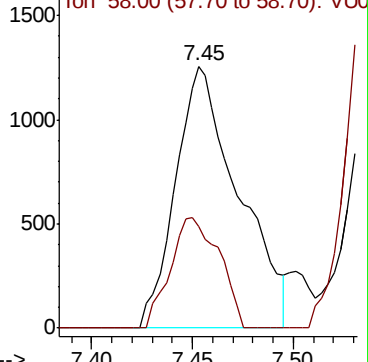
Ion Ratio Lower Upper

43 100

58 33.0 32.2 48.4



Abundance Ion 43.00 (42.70 to 43.70): VU034134.D (-1979) (-)



#56

Ethyl methacrylate

Concen: 0.985 ug/l

RT: 8.03 min Scan# 2159

Delta R.T. 0.03 min

Lab File: VU034134.D

Acq: 31 Aug 2019 20:44

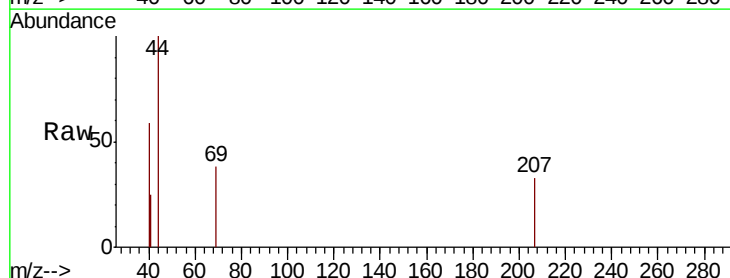
Tgt Ion: 69 Resp: 123

Ion Ratio Lower Upper

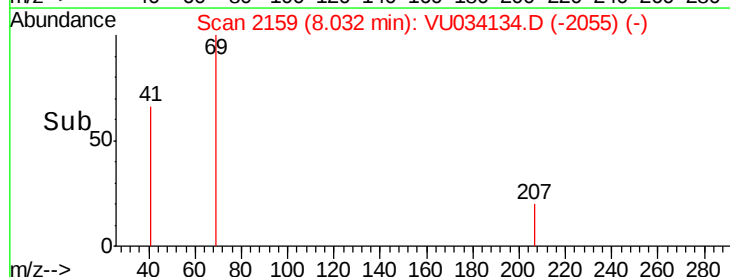
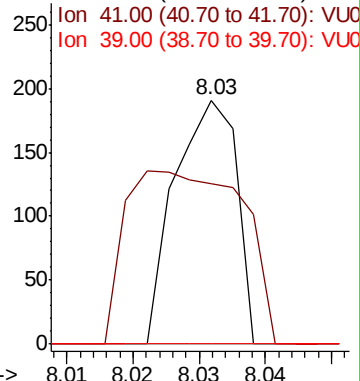
69 100

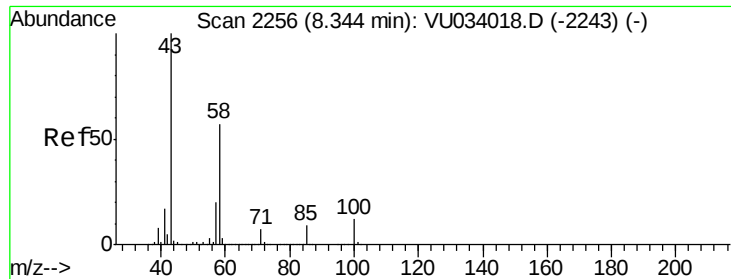
41 135.0 50.7 76.1#

39 0.0 24.2 36.2#



Abundance Ion 69.00 (68.70 to 69.70): VU034134.D (-2159) (-)

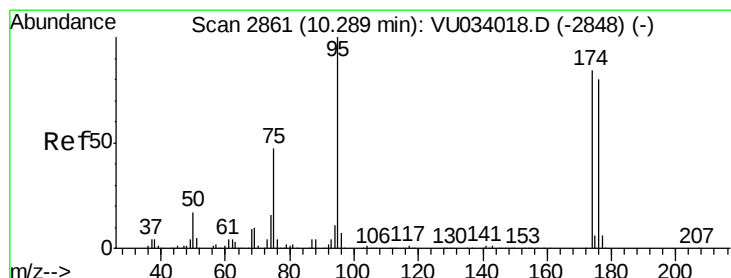
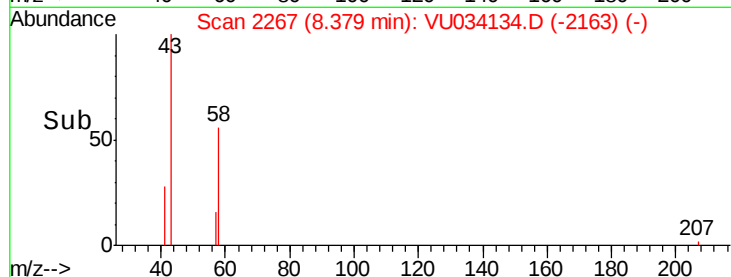
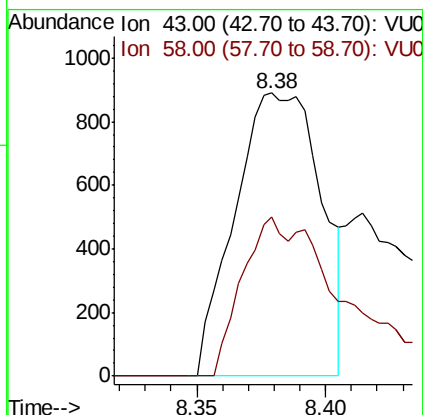
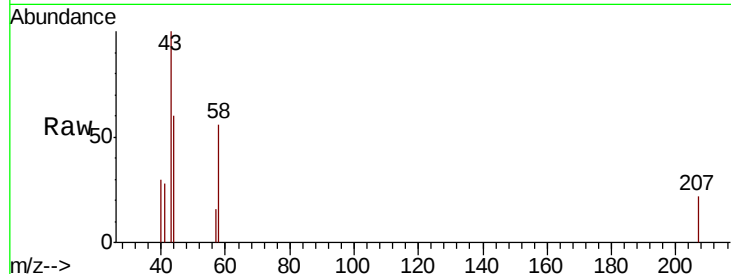




#59
2-Hexanone
Concen: 0.335 ug/l
RT: 8.38 min Scan# 2267
Delta R.T. 0.04 min
Lab File: VU034134.D
Acq: 31 Aug 2019 20:44

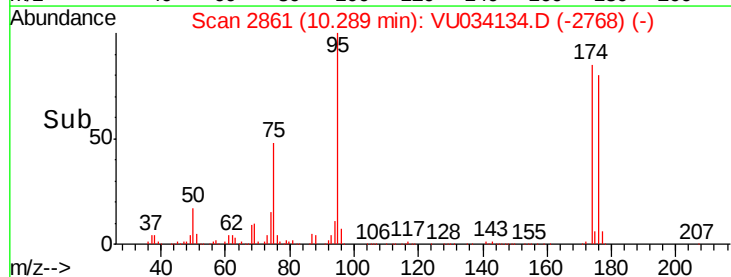
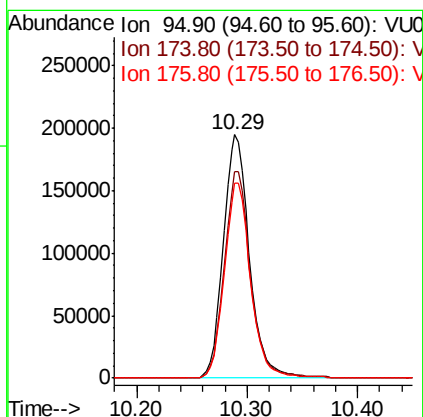
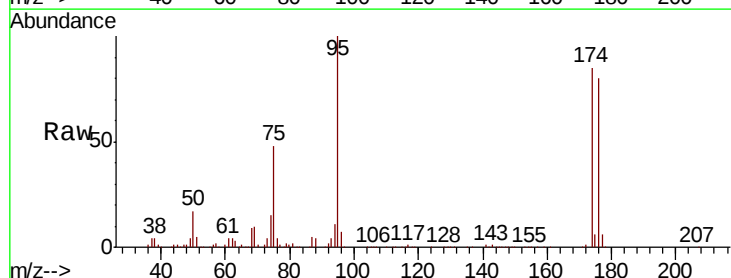
Instrument :
MSVOA_U
ClientSampleId :
VU0902WBL01

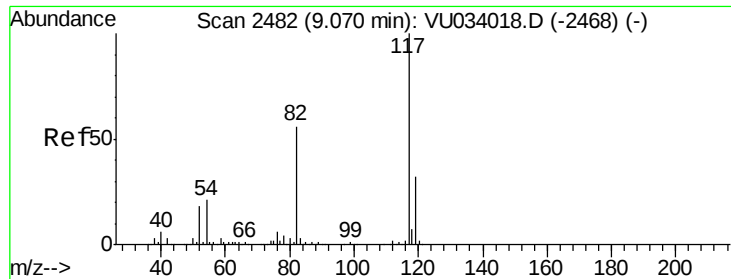
Tgt Ion: 43 Resp: 2067
Ion Ratio Lower Upper
43 100
58 29.7 28.4 85.3



#62
4-Bromofluorobenzene
Concen: 43.036 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. -0.00 min
Lab File: VU034134.D
Acq: 31 Aug 2019 20:44

Tgt Ion: 95 Resp: 319715
Ion Ratio Lower Upper
95 100
174 85.8 0.0 168.8
176 81.0 0.0 161.8

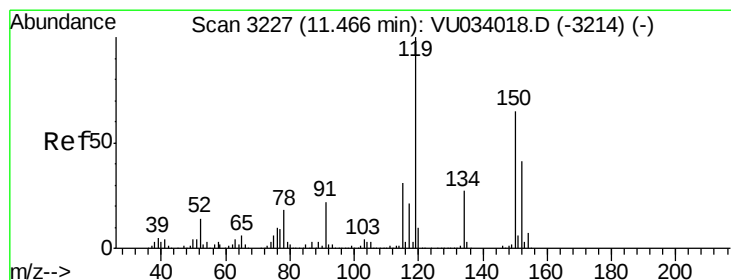
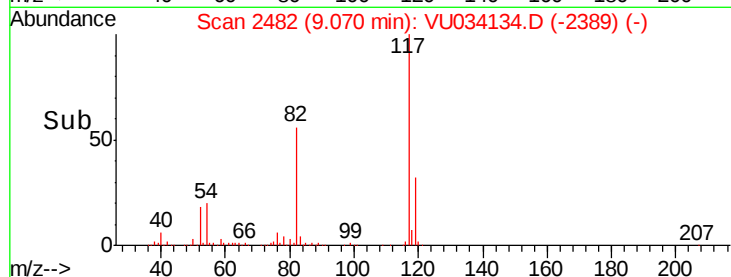
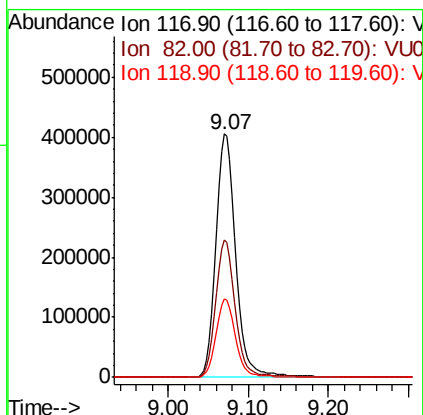
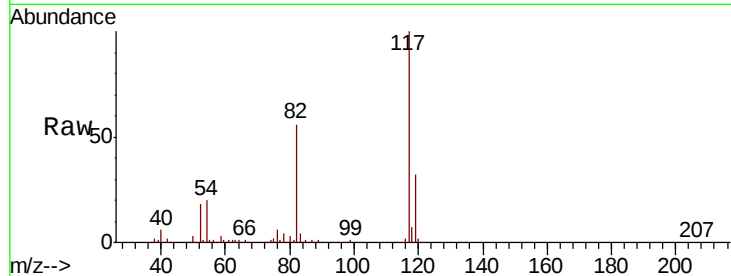




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.07 min Scan# 2482
 Delta R.T. -0.00 min
 Lab File: VU034134.D
 Acq: 31 Aug 2019 20:44

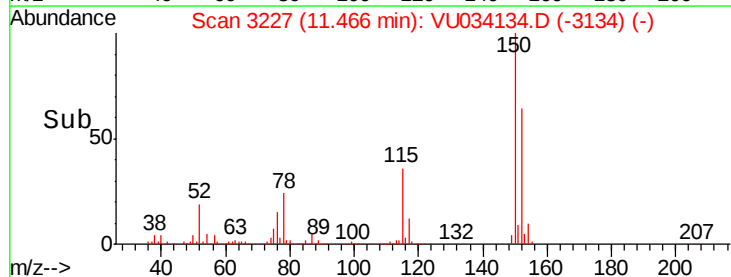
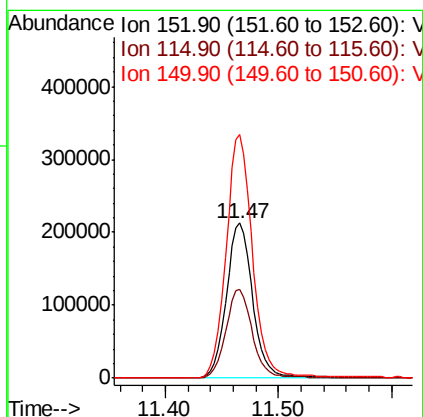
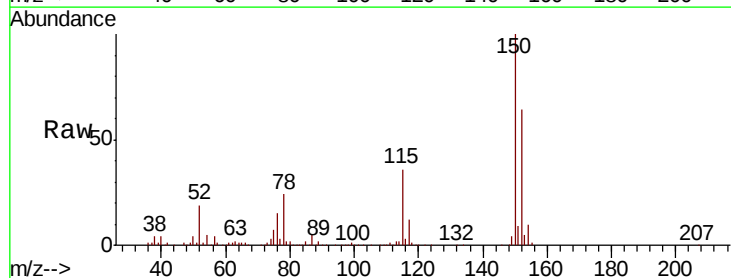
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBL01

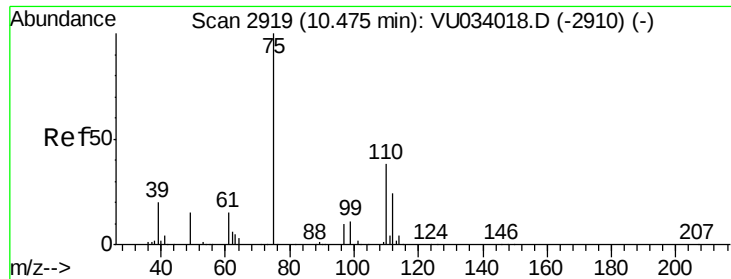
Tgt Ion:117 Resp: 703590
 Ion Ratio Lower Upper
 117 100
 82 56.4 45.1 67.7
 119 32.2 25.4 38.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.47 min Scan# 3227
 Delta R.T. -0.00 min
 Lab File: VU034134.D
 Acq: 31 Aug 2019 20:44

Tgt Ion:152 Resp: 344858
 Ion Ratio Lower Upper
 152 100
 115 57.6 41.1 123.3
 150 157.7 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 19.666 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.19 min

Lab File: VU034134.D

Acq: 31 Aug 2019 20:44

Instrument :

MSVOA_U

ClientSampled :

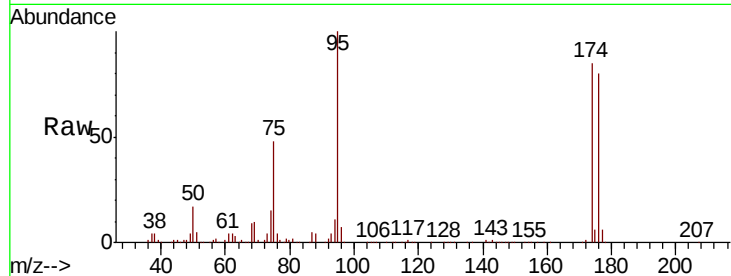
VU0902WBL01

Tgt Ion: 75 Resp: 152852

Ion Ratio Lower Upper

75 100

77 1.3 20.1 60.2#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

10.29

80000

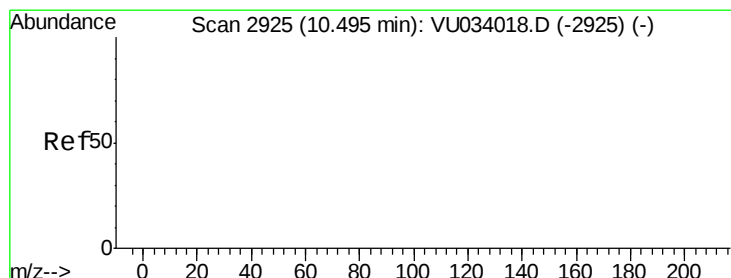
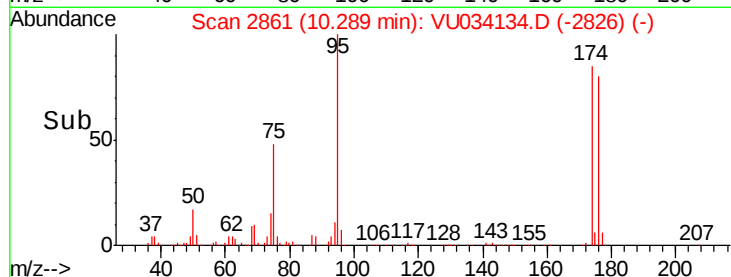
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 66.219 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.21 min

Lab File: VU034134.D

Acq: 31 Aug 2019 20:44

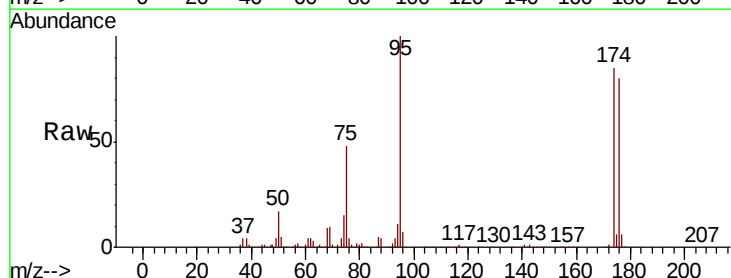
Tgt Ion: 75 Resp: 152852

Ion Ratio Lower Upper

75 100

53 0.1 0.0 0.0#

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

10.29

120000

100000

80000

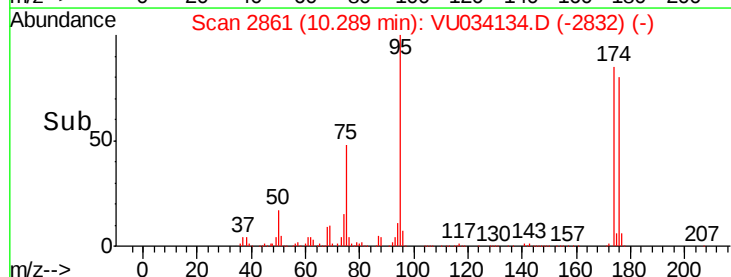
60000

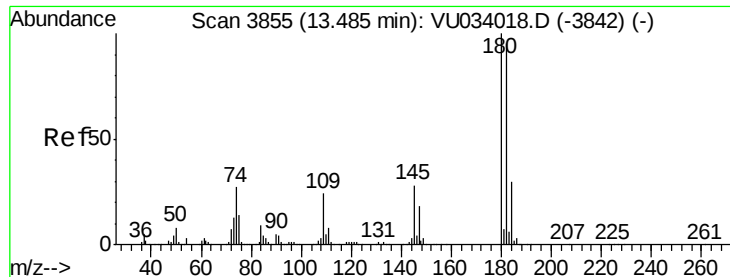
40000

20000

0

Time-->

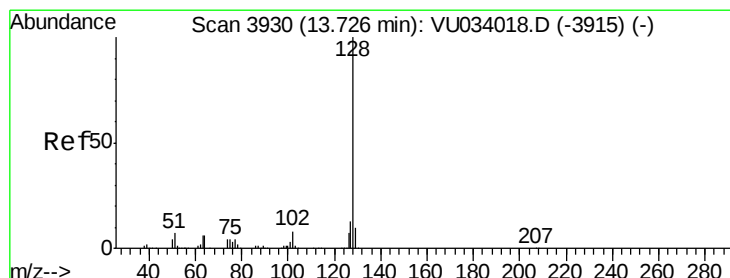
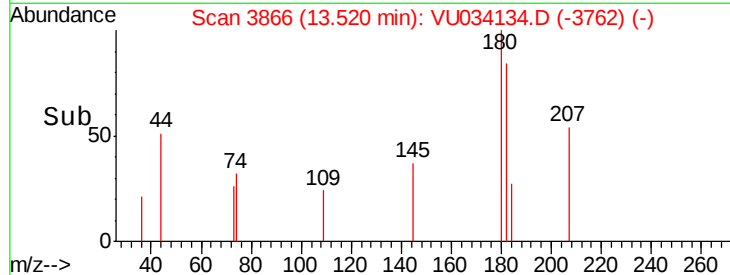
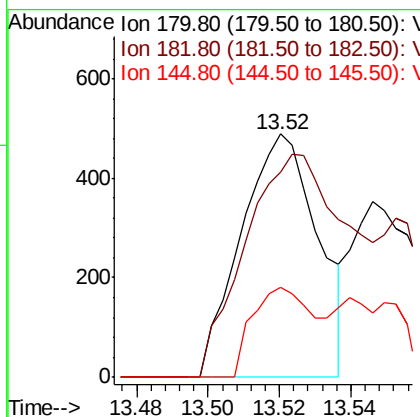
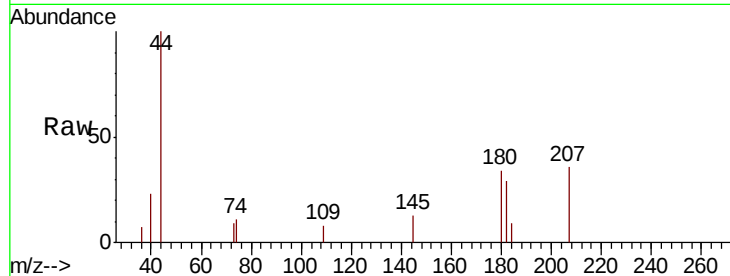




#93
 1,2,4-Trichlorobenzene
 Concen: 1.208 ug/l
 RT: 13.52 min Scan# 3866
 Delta R.T. 0.04 min
 Lab File: VU034134.D
 Acq: 31 Aug 2019 20:44

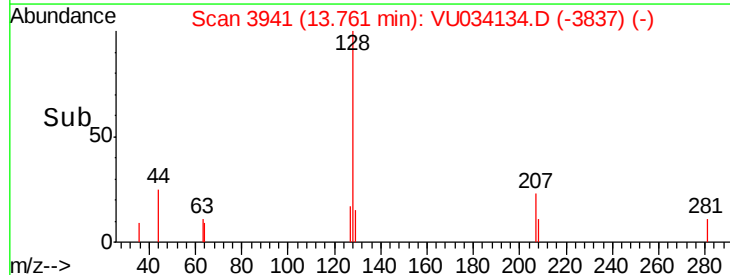
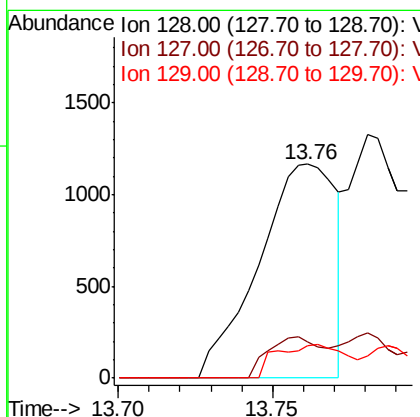
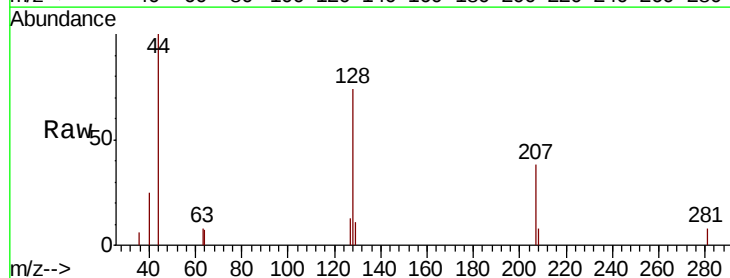
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBL01

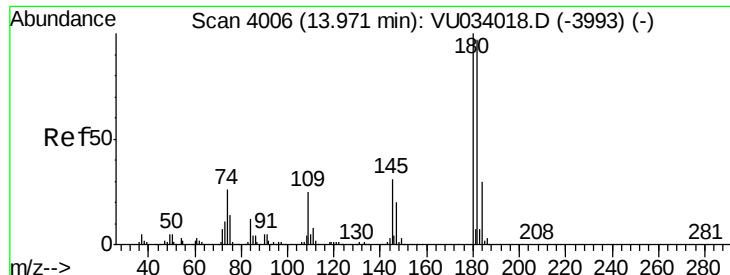
Tgt Ion:180 Resp: 726
 Ion Ratio Lower Upper
 180 100
 182 124.4 47.4 142.2
 145 27.3 14.1 42.3



#95
 Naphthalene
 Concen: 1.880 ug/l
 RT: 13.76 min Scan# 3941
 Delta R.T. 0.04 min
 Lab File: VU034134.D
 Acq: 31 Aug 2019 20:44

Tgt Ion:128 Resp: 2018
 Ion Ratio Lower Upper
 128 100
 127 13.6 10.2 15.4
 129 14.0 8.4 12.6#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.227 ug/l
 RT: 13.99 min Scan# 4013
 Delta R.T. 0.02 min
 Lab File: VU034134.D
 Acq: 31 Aug 2019 20:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.1	48.2	144.6
145	21.3	15.5	46.5

