

Data File : VU034498.D
Acq On : 12 Sep 2019 00:30
Operator : JC/SP
Sample : K4624-27
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
T-11-A3-(4)

Quant Time: Sep 12 04:47:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	235001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	361359	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	384307	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	210358	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	217827	61.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.52%	
35) Dibromofluoromethane	4.86	113	190035	56.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.04%	
50) Toluene-d8	7.55	98	681205	53.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.84%	
62) 4-Bromofluorobenzene	10.29	95	229339	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	

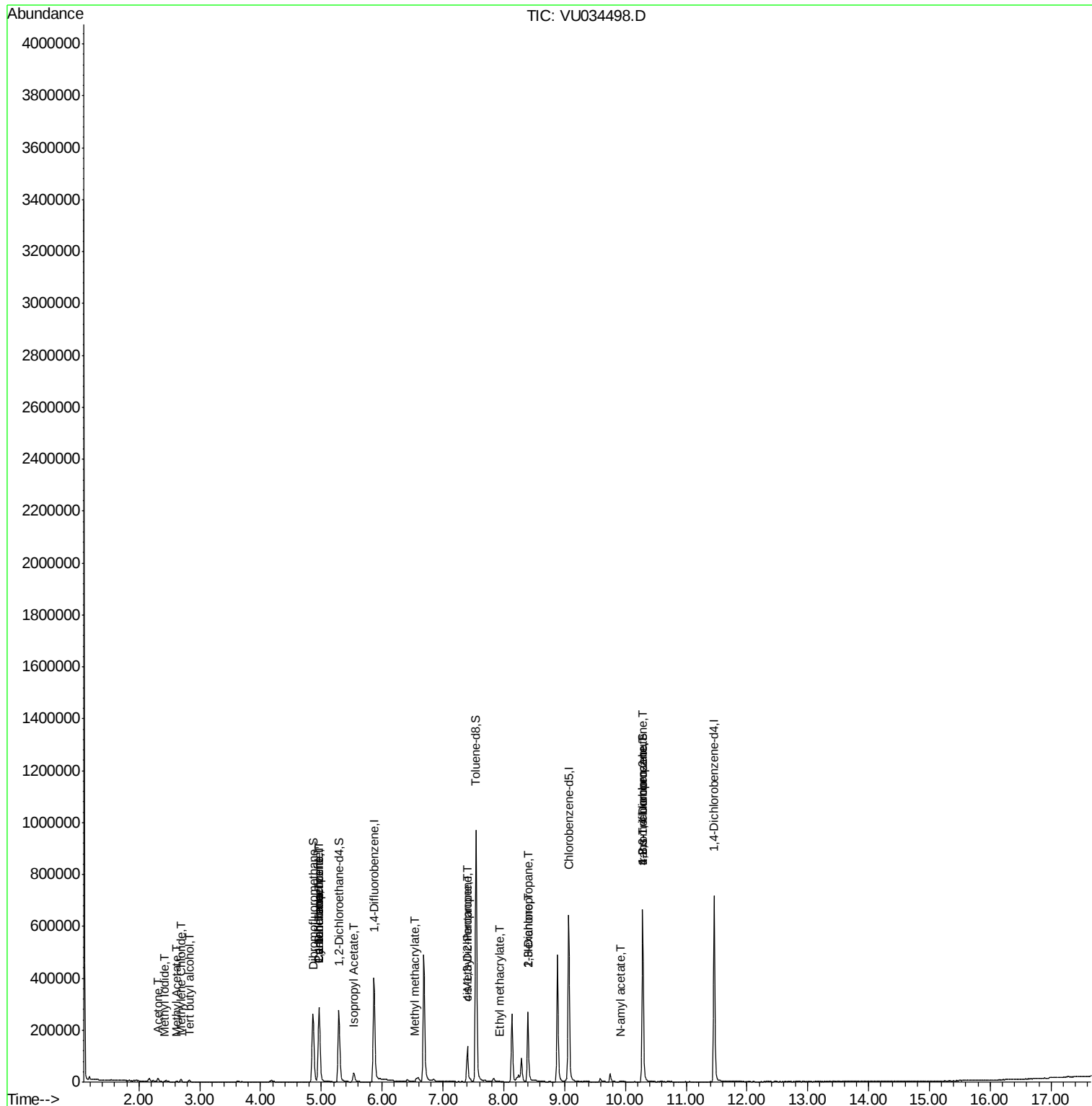
Target Compounds			Qvalue			
5) Bromomethane	1.63	94	453	Below Cal		95
6) Chloroethane	1.69	64	32	Below Cal	#	43
10) Methyl Iodide	2.41	142	51	3.865	ug/l #	43
11) Tert butyl alcohol	2.82	59	4240	5.644	ug/l #	73
16) Acetone	2.31	43	15003	8.154	ug/l	100
18) Methyl Acetate	2.61	43	3233	0.722	ug/l #	88
20) Methylene Chloride	2.69	84	4441	1.083	ug/l	96
31) Cyclohexane	4.96	56	3686	0.885	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	15592	3.979	ug/l #	48
38) Carbon Tetrachloride	4.96	117	21026	5.025	ug/l #	16
43) Isopropyl Acetate	5.53	43	43000	5.949	ug/l	99
48) Methyl methacrylate	6.53	41	3884	1.131	ug/l #	13
51) 4-Methyl-2-Pentanone	7.40	43	45169	9.028	ug/l #	48
54) cis-1,3-Dichloropropene	7.40	75	25481	4.689	ug/l #	66
56) Ethyl methacrylate	7.94	69	108	3.095	ug/l #	28
57) 1,3-Dichloropropane	8.40	76	2817	0.480	ug/l #	43
59) 2-Hexanone	8.40	43	36231	9.693	ug/l #	56
74) N-amyl acetate	9.92	43	1754	0.318	ug/l #	44
76) 1,2,3-Trichloropropane	10.29	75	107484	23.408	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.29	75	107484	78.720	ug/l #	100

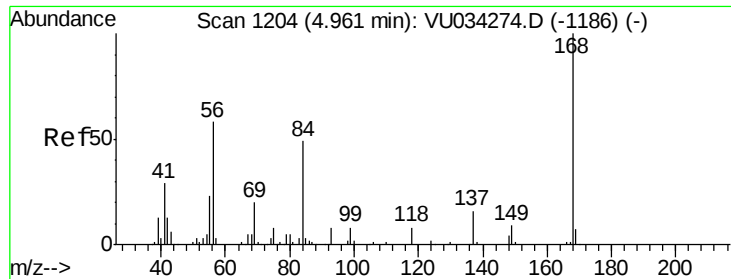
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VU034498.D

Acq: 12 Sep 2019 00:30

Instrument :

MSVOA_U

ClientSampleId :

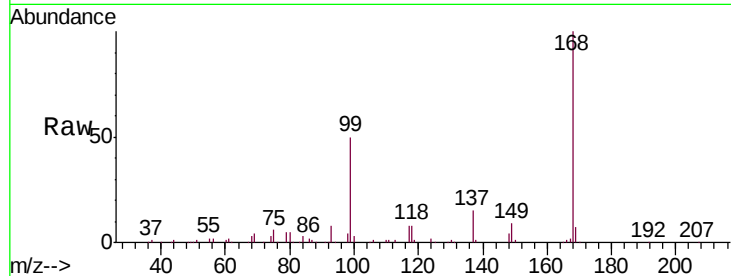
T-11-A3-(4)

Tgt Ion:168 Resp: 235001

Ion Ratio Lower Upper

168 100

99 50.4 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034498.D

Ion 98.90 (98.60 to 99.60): VU034498.D

4.96

120000

100000

80000

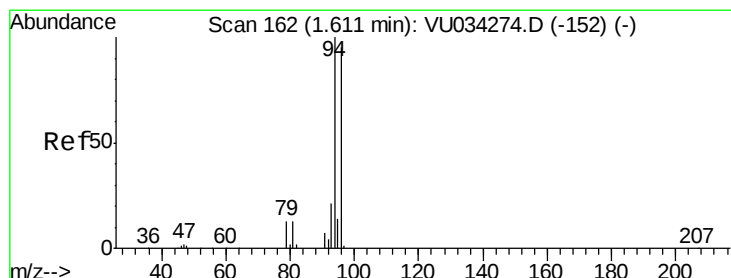
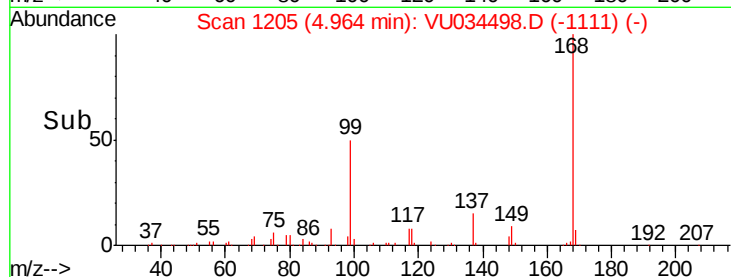
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 169

Delta R.T. 0.02 min

Lab File: VU034498.D

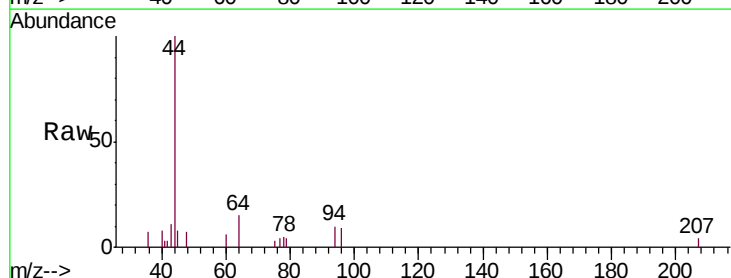
Acq: 12 Sep 2019 00:30

Tgt Ion: 94 Resp: 453

Ion Ratio Lower Upper

94 100

96 89.5 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VU034498.D

Ion 95.90 (95.60 to 96.60): VU034498.D

1.63

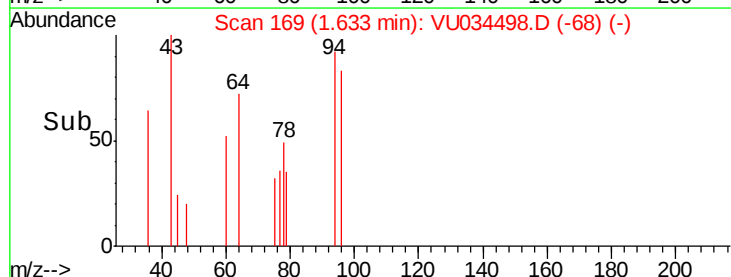
300

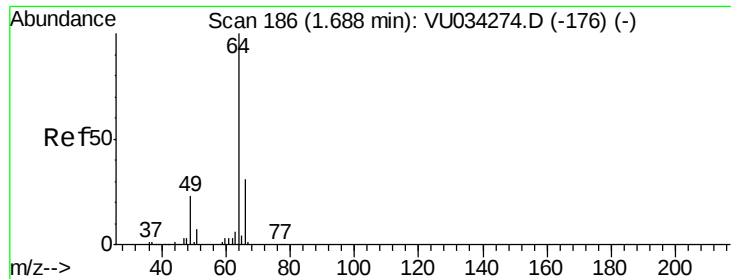
200

100

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU034498.D

Acq: 12 Sep 2019 00:30

Instrument :

MSVOA_U

ClientSampleId :

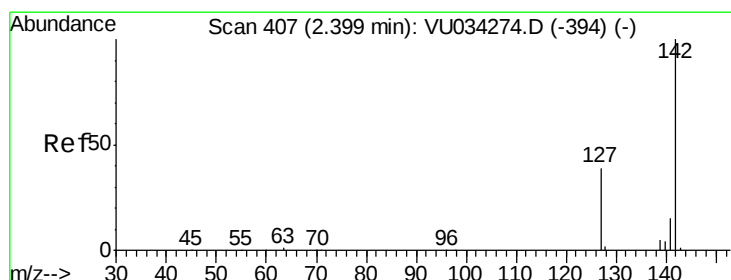
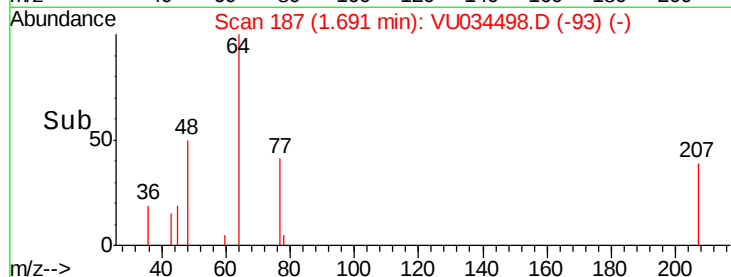
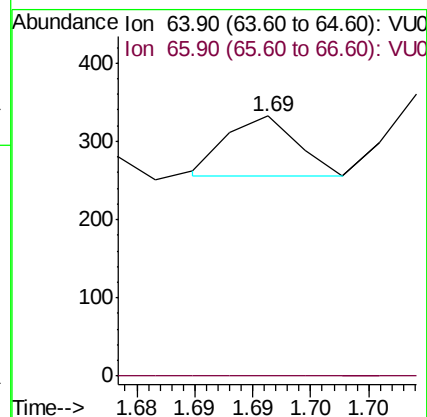
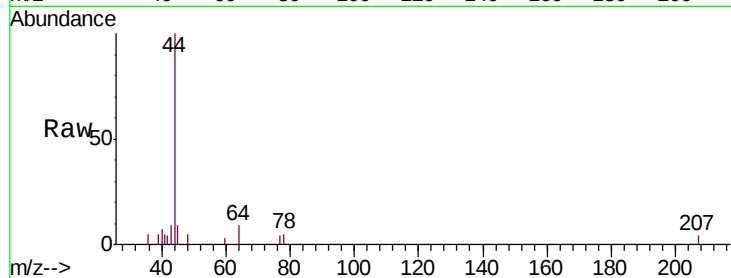
T-11-A3-(4)

Tgt Ion: 64 Resp: 32

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



#10

Methyl Iodide

Concen: 3.865 ug/l

RT: 2.41 min Scan# 410

Delta R.T. 0.01 min

Lab File: VU034498.D

Acq: 12 Sep 2019 00:30

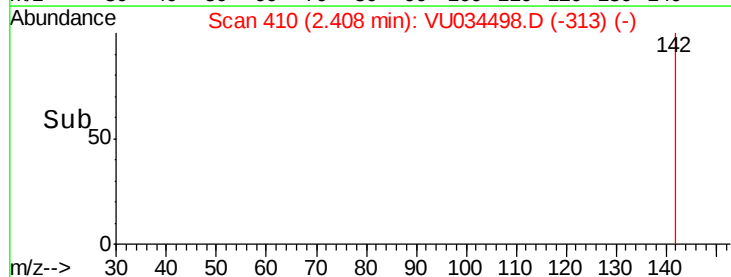
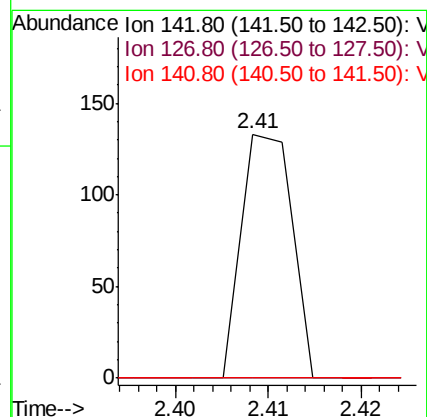
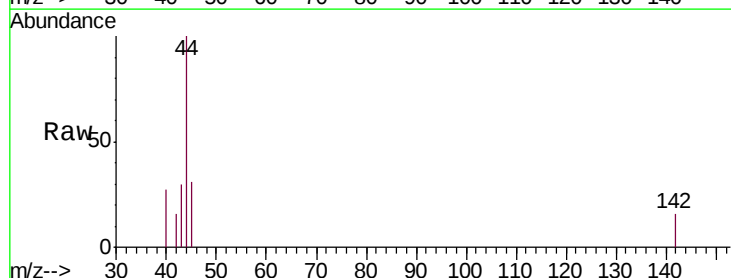
Tgt Ion: 142 Resp: 51

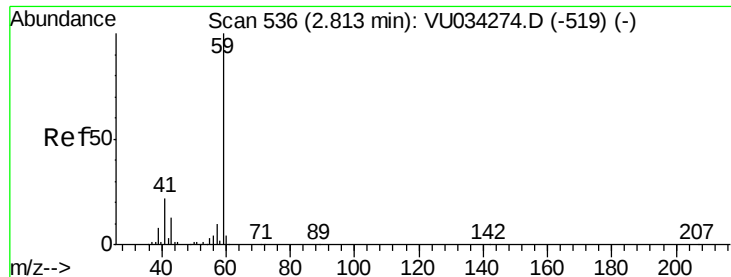
Ion Ratio Lower Upper

142 100

127 0.0 32.1 48.1#

141 0.0 11.5 17.3#

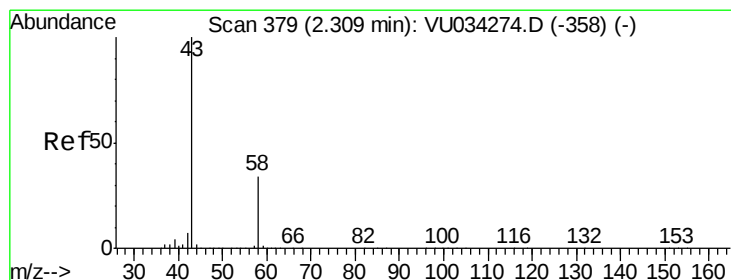
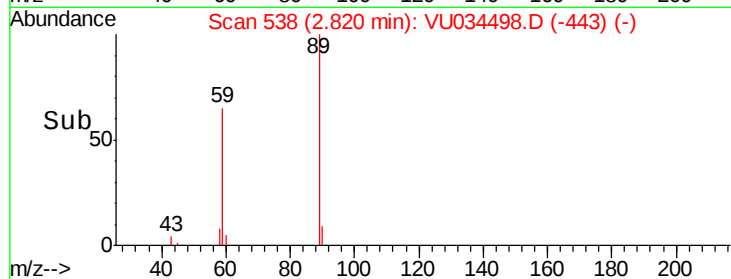
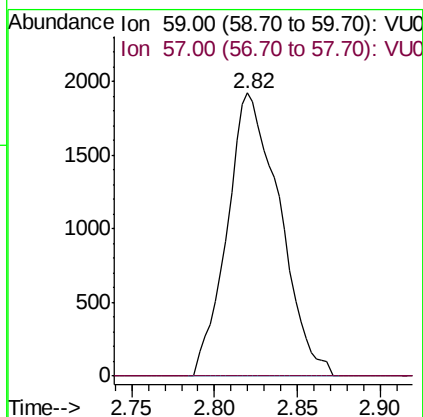
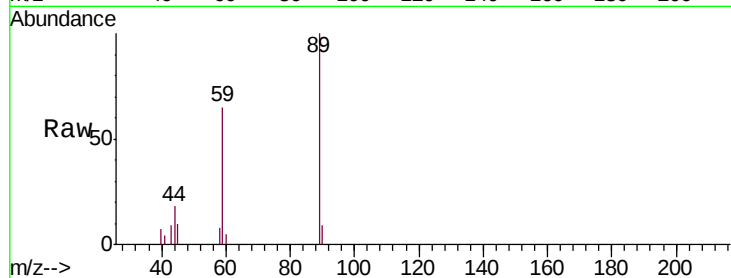




#11
Tert butyl alcohol
Concen: 5.644 ug/l
RT: 2.82 min Scan# 538
Delta R.T. 0.01 min
Lab File: VU034498.D
Acq: 12 Sep 2019 00:30

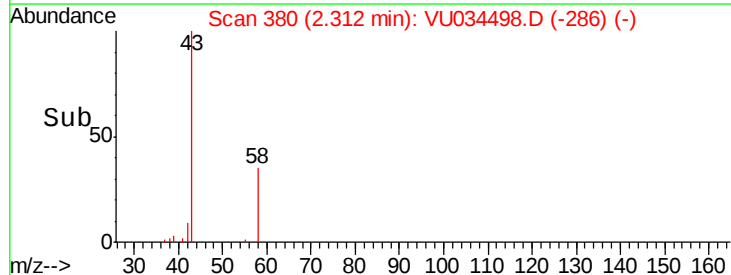
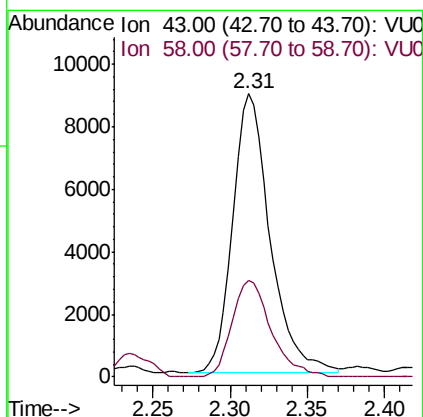
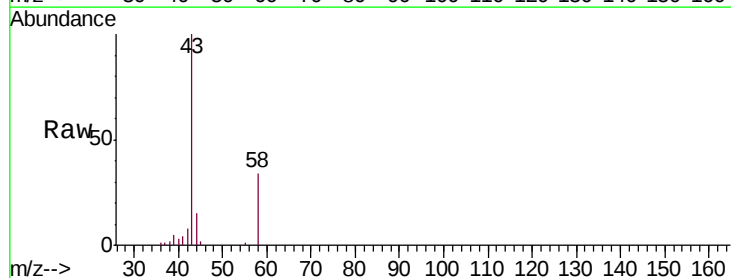
Instrument :
MSVOA_U
ClientSampleId :
T-11-A3-(4)

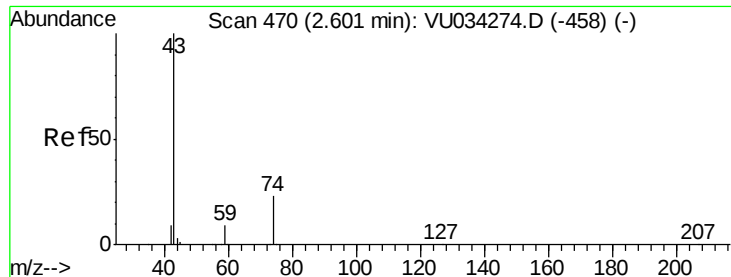
Tgt Ion: 59 Resp: 4240
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#



#16
Acetone
Concen: 8.154 ug/l
RT: 2.31 min Scan# 380
Delta R.T. 0.00 min
Lab File: VU034498.D
Acq: 12 Sep 2019 00:30

Tgt Ion: 43 Resp: 15003
Ion Ratio Lower Upper
43 100
58 34.5 27.6 41.4





#18

Methyl Acetate

Concen: 0.722 ug/l

RT: 2.61 min Scan# 473

Delta R.T. 0.01 min

Lab File: VU034498.D

Acq: 12 Sep 2019 00:30

Instrument :

MSVOA_U

ClientSampled :

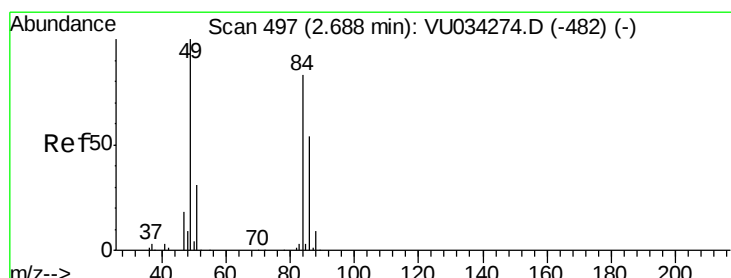
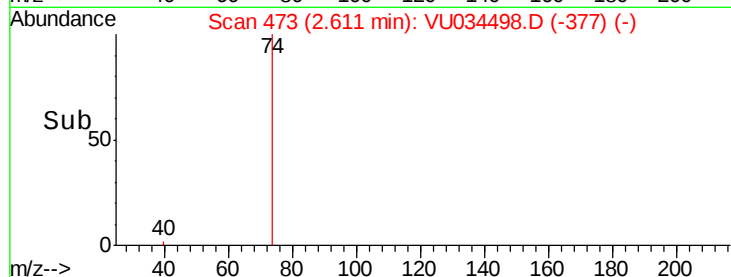
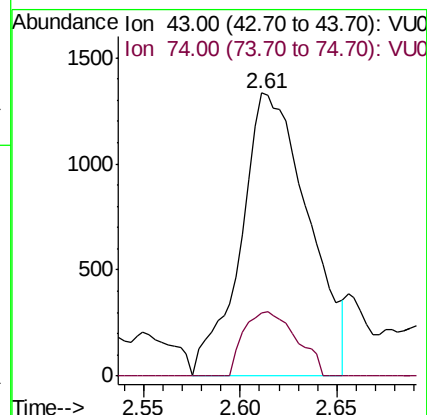
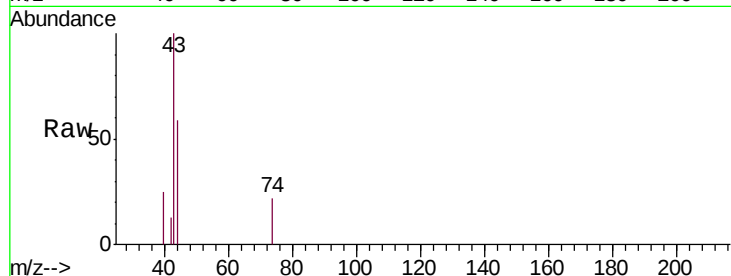
T-11-A3-(4)

Tgt Ion: 43 Resp: 3233

Ion Ratio Lower Upper

43 100

74 17.8 18.9 28.3#



#20

Methylene Chloride

Concen: 1.083 ug/l

RT: 2.69 min Scan# 498

Delta R.T. 0.00 min

Lab File: VU034498.D

Acq: 12 Sep 2019 00:30

Tgt Ion: 84 Resp: 4441

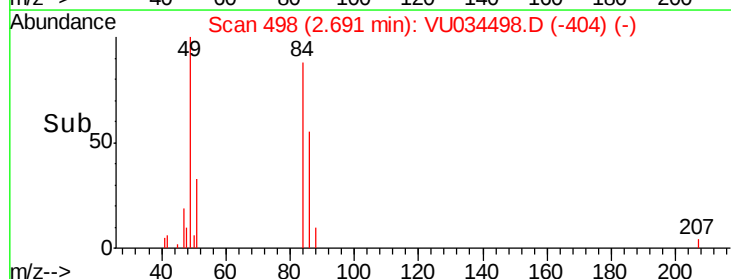
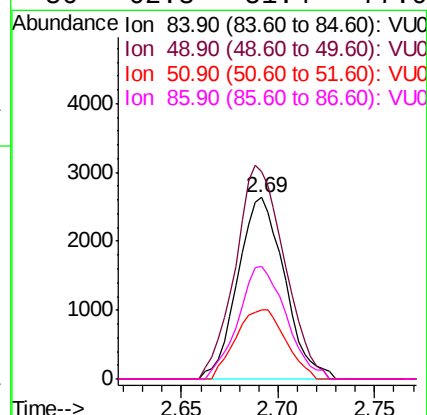
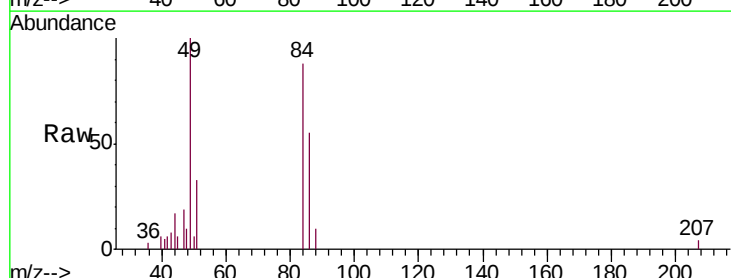
Ion Ratio Lower Upper

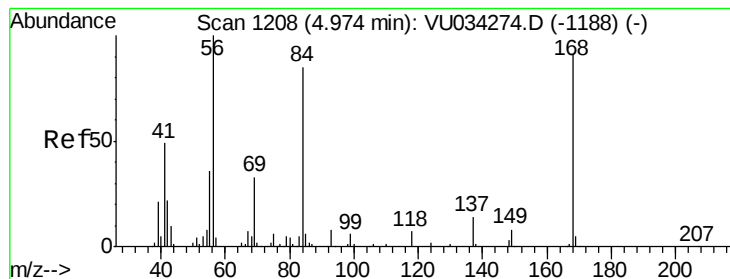
84 100

49 114.2 96.0 144.0

51 38.1 30.0 45.0

86 62.3 51.4 77.0





#31

Cyclohexane

Concen: 0.885 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VU034498.D

Acq: 12 Sep 2019 00:30

Instrument :

MSVOA_U

ClientSampleId :

T-11-A3-(4)

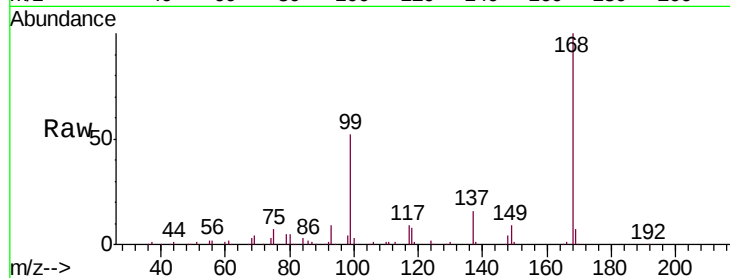
Tgt Ion: 56 Resp: 3686

Ion Ratio Lower Upper

56 100

69 218.3 26.7 40.1#

84 164.7 68.2 102.4#

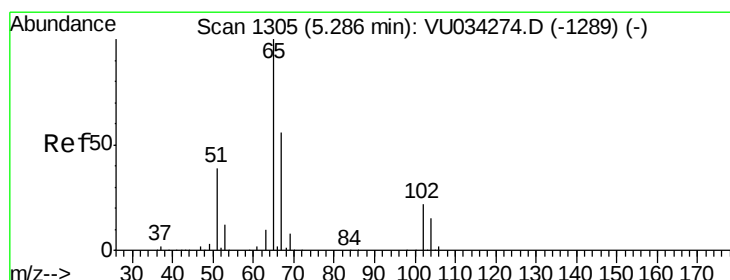
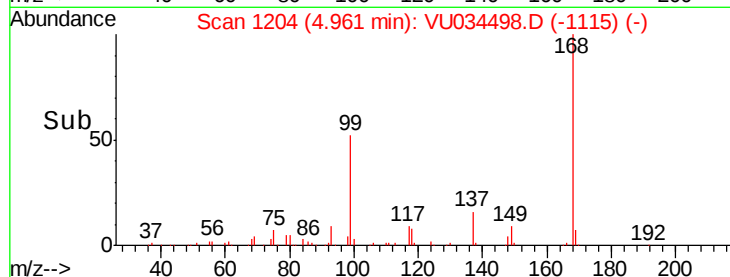
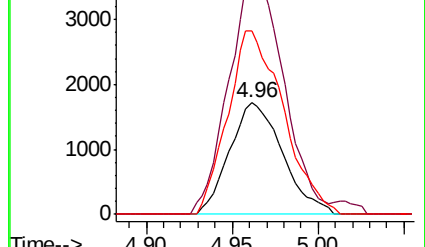


Abundance Ion 56.00 (55.70 to 56.70): VU034498.D (-1188) (-)

Ion 69.00 (68.70 to 69.70): VU034498.D (-1188) (-)

Ion 84.00 (83.70 to 84.70): VU034498.D (-1188) (-)

Time-->



#33

1,2-Dichloroethane-d4

Concen: 61.262 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU034498.D

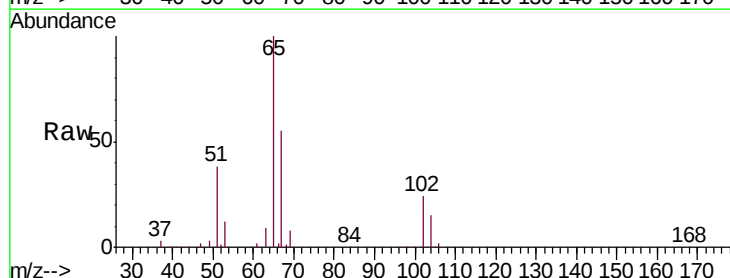
Acq: 12 Sep 2019 00:30

Tgt Ion: 65 Resp: 217827

Ion Ratio Lower Upper

65 100

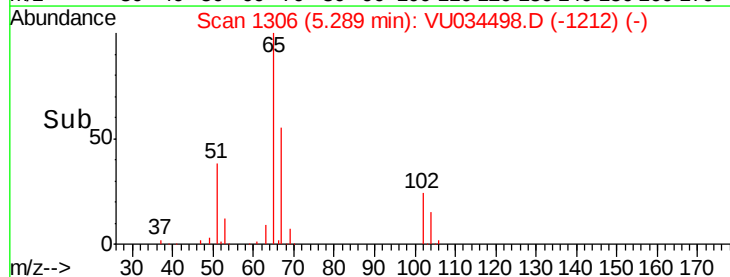
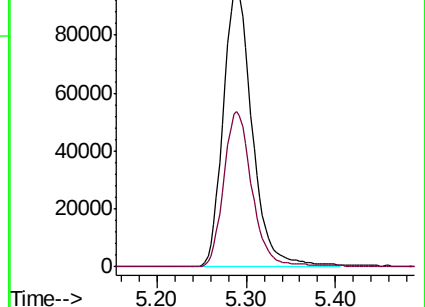
67 54.3 0.0 112.4

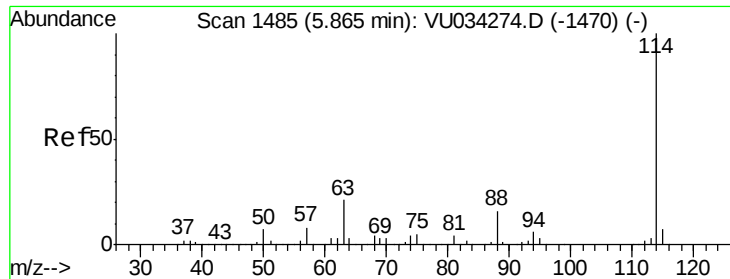


Abundance Ion 64.90 (64.60 to 65.60): VU034498.D (-1289) (-)

Ion 66.90 (66.60 to 67.60): VU034498.D (-1289) (-)

Time-->

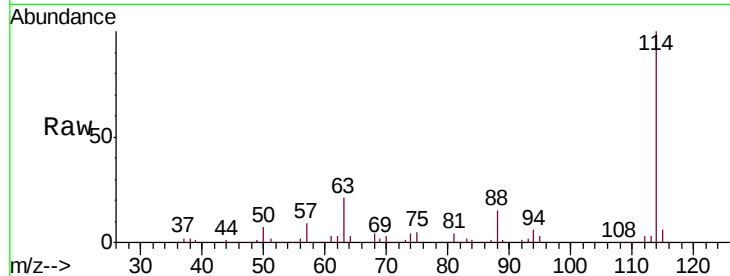




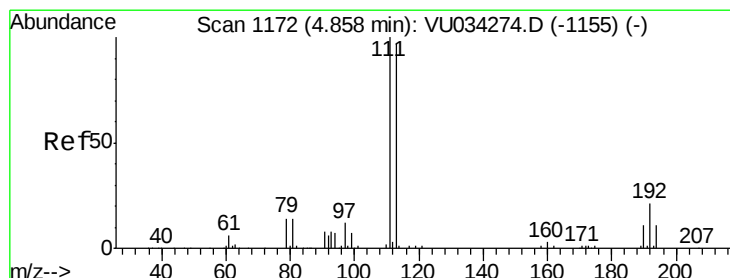
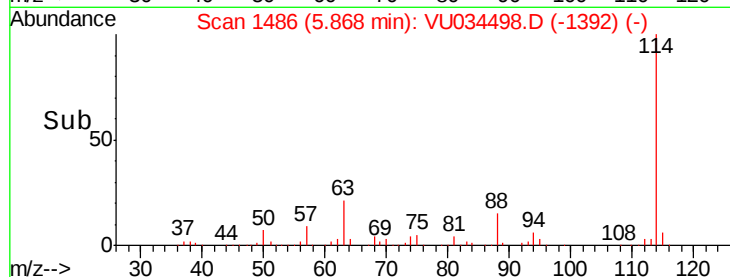
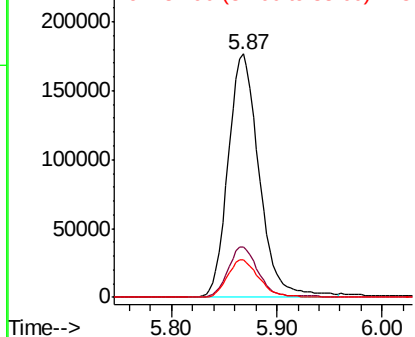
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034498.D
 Acq: 12 Sep 2019 00:30

Instrument :
 MSVOA_U
 ClientSampleId :
 T-11-A3-(4)

Tgt Ion:114 Resp: 361359
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.4
 88 15.4 0.0 32.4

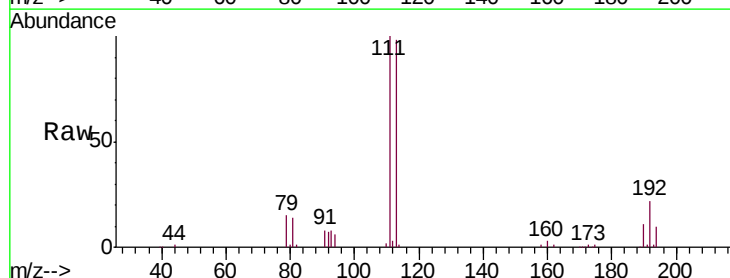


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

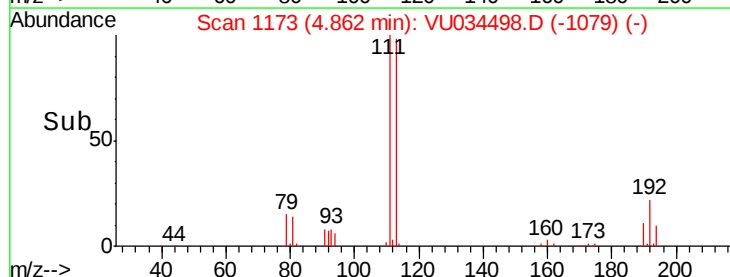
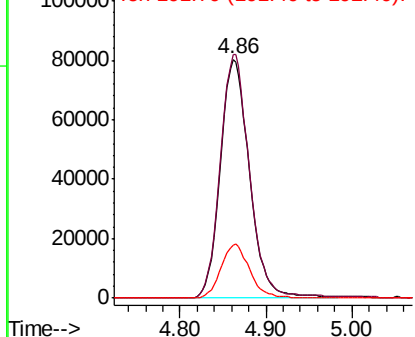


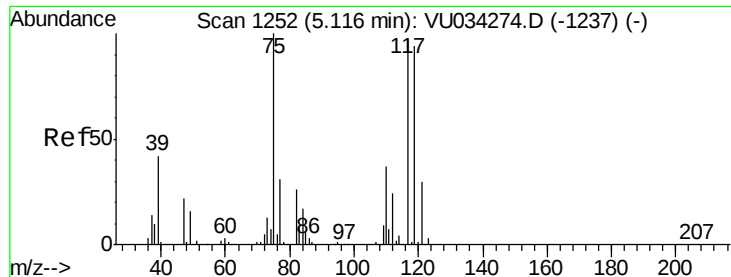
#35
 Dibromofluoromethane
 Concen: 56.517 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034498.D
 Acq: 12 Sep 2019 00:30

Tgt Ion:113 Resp: 190035
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.5 122.3
 192 22.1 17.8 26.8



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.979 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.15 min

Lab File: VU034498.D

Acq: 12 Sep 2019 00:30

Instrument :

MSVOA_U

ClientSampleId :

T-11-A3-(4)

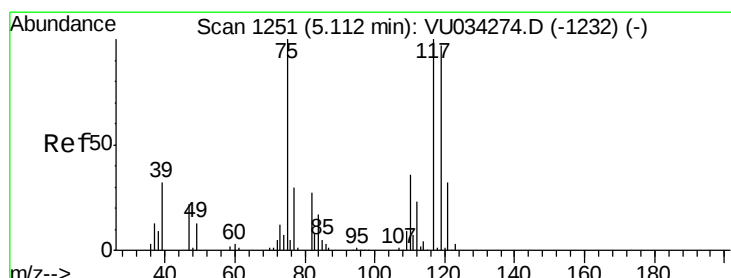
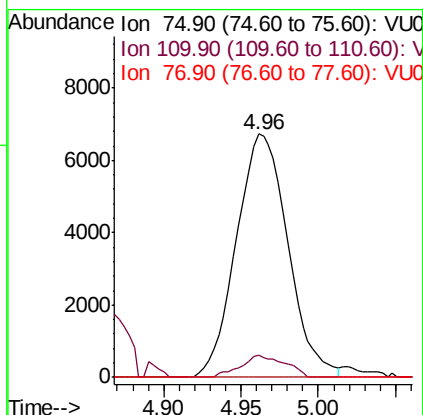
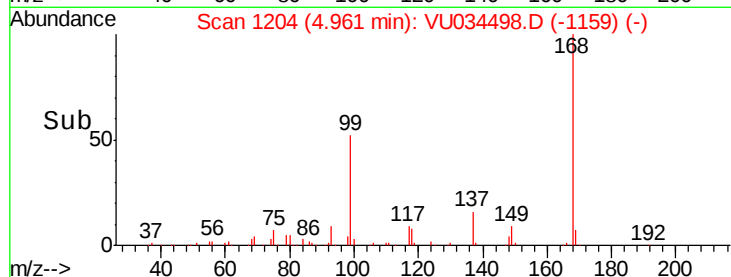
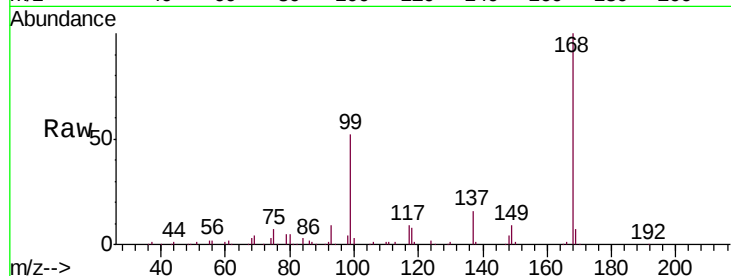
Tgt Ion: 75 Resp: 15592

Ion Ratio Lower Upper

75 100

110 7.8 18.3 54.9#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 5.025 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.15 min

Lab File: VU034498.D

Acq: 12 Sep 2019 00:30

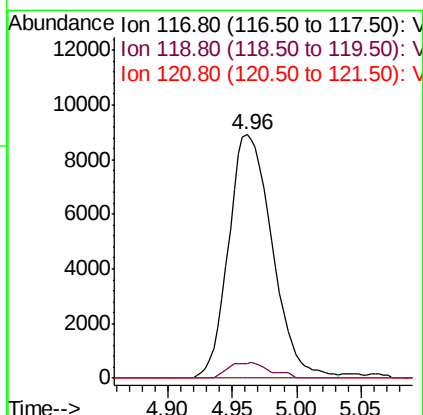
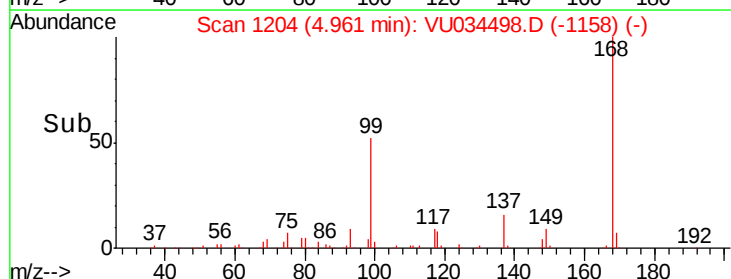
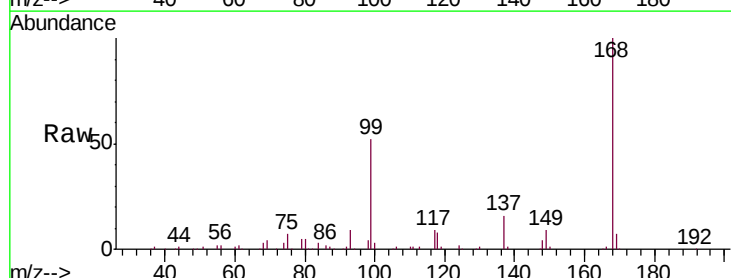
Tgt Ion: 117 Resp: 21026

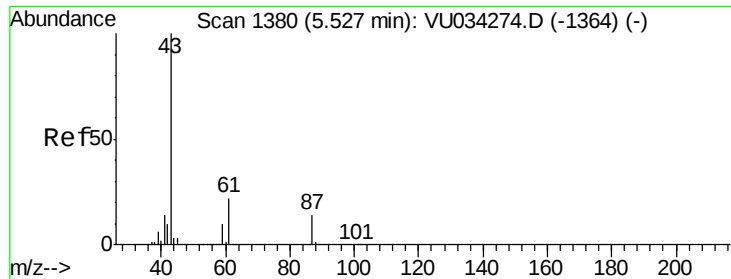
Ion Ratio Lower Upper

117 100

119 6.1 77.8 116.6#

121 0.0 25.2 37.8#





#43

Isopropyl Acetate

Concen: 5.949 ug/l

RT: 5.53 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VU034498.D

Acq: 12 Sep 2019 00:30

Instrument :

MSVOA_U

ClientSampleId :

T-11-A3-(4)

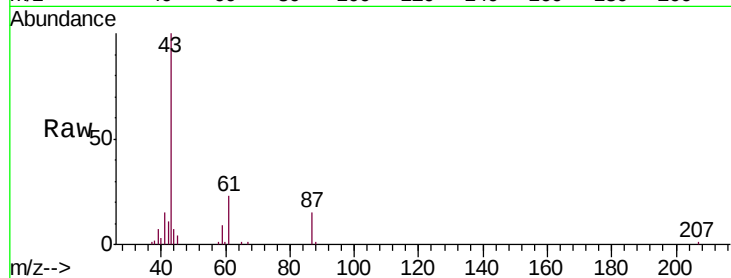
Tgt Ion: 43 Resp: 43000

Ion Ratio Lower Upper

43 100

61 22.0 17.1 25.7

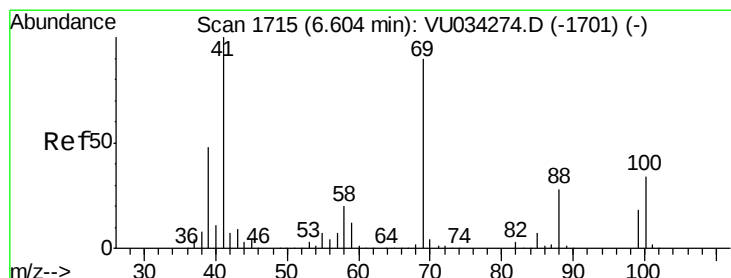
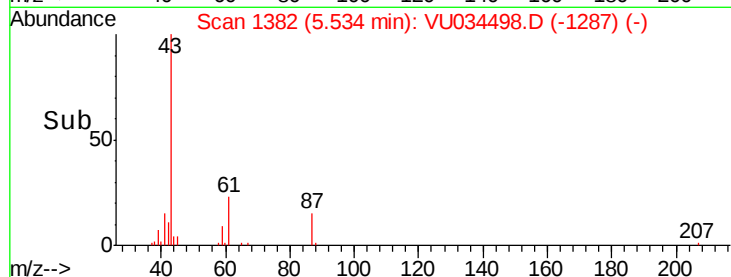
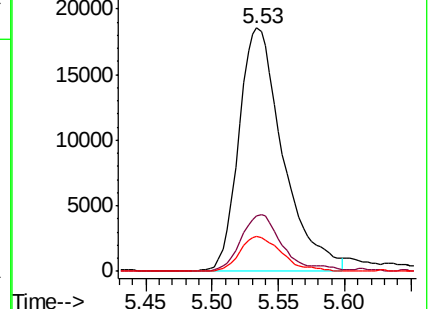
87 13.7 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VU034498.D (-1382) (-)

Ion 61.00 (60.70 to 61.70): VU034498.D (-1382) (-)

Ion 87.00 (86.70 to 87.70): VU034498.D (-1382) (-)



#48

Methyl methacrylate

Concen: 1.131 ug/l

RT: 6.53 min Scan# 1692

Delta R.T. -0.07 min

Lab File: VU034498.D

Acq: 12 Sep 2019 00:30

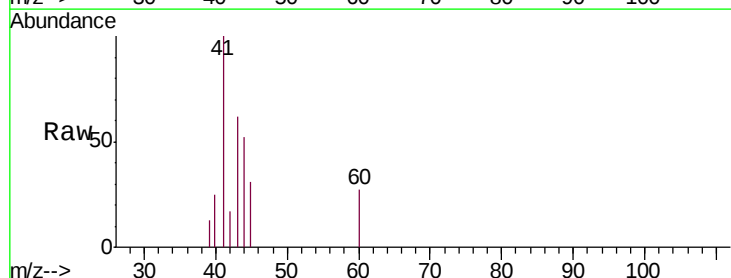
Tgt Ion: 41 Resp: 3884

Ion Ratio Lower Upper

41 100

69 0.0 72.8 109.2#

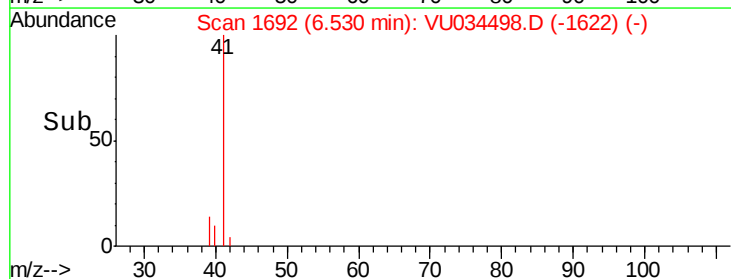
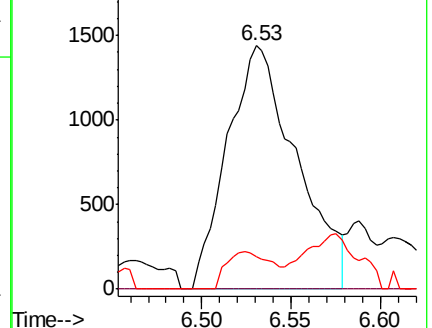
39 0.0 38.6 58.0#

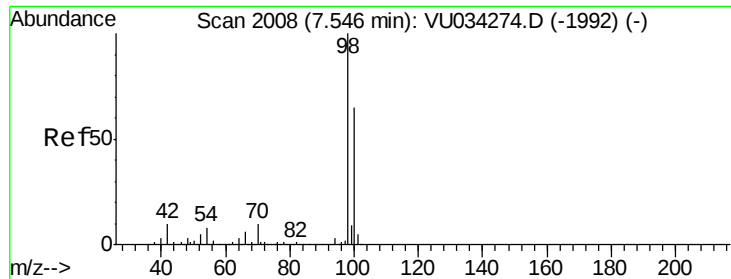


Abundance Ion 41.00 (40.70 to 41.70): VU034498.D (-1692) (-)

Ion 69.00 (68.70 to 69.70): VU034498.D (-1692) (-)

Ion 39.00 (38.70 to 39.70): VU034498.D (-1692) (-)

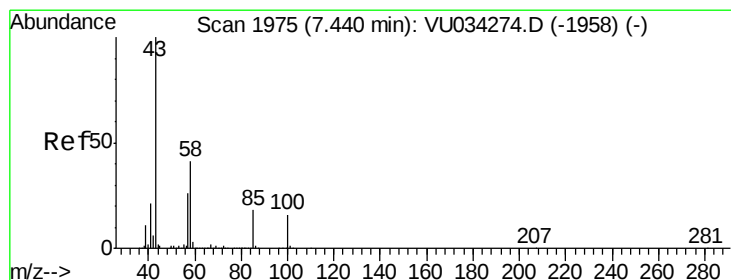
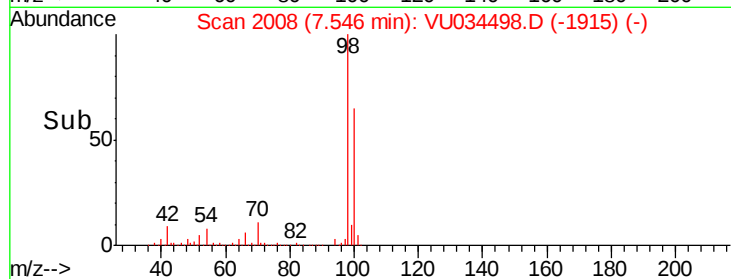
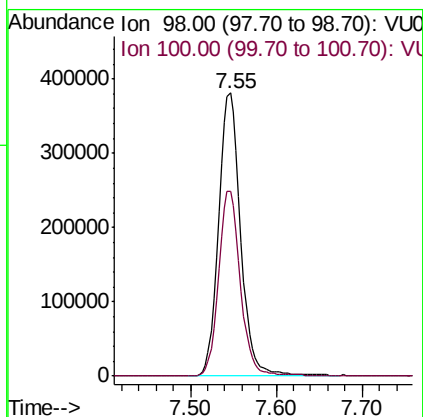
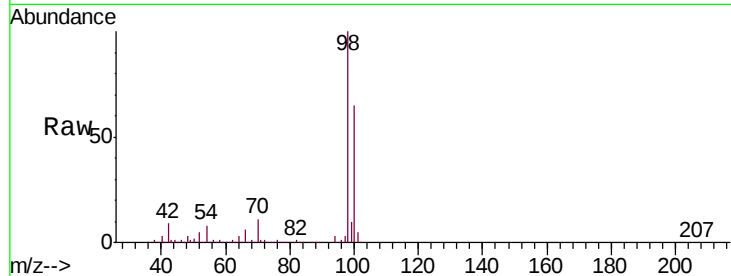




#50
Toluene-d8
Concen: 53.923 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VU034498.D
Acq: 12 Sep 2019 00:30

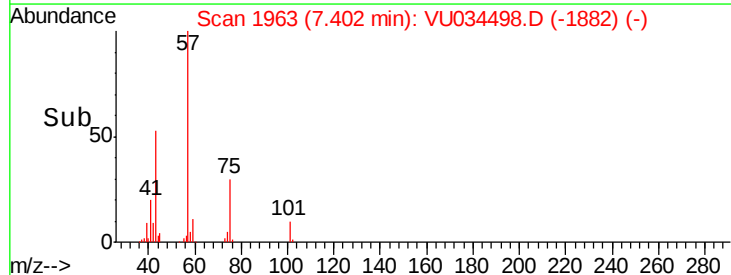
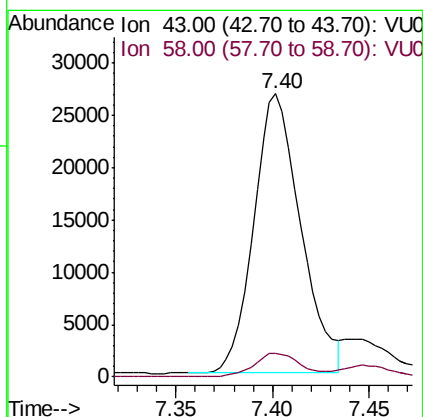
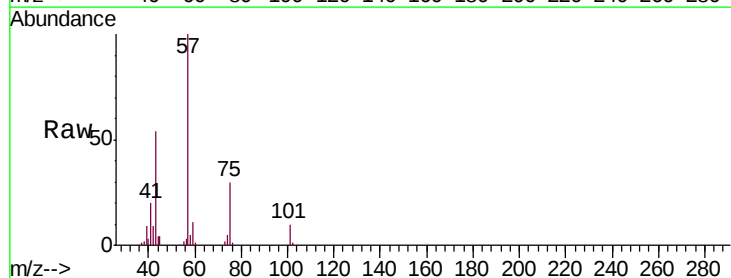
Instrument :
MSVOA_U
ClientSampleId :
T-11-A3-(4)

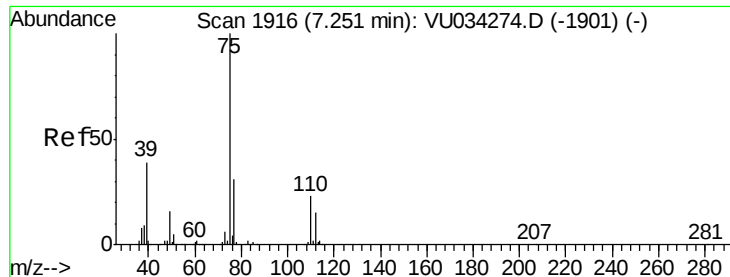
Tgt Ion: 98 Resp: 681205
Ion Ratio Lower Upper
98 100
100 64.8 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 9.028 ug/l
RT: 7.40 min Scan# 1963
Delta R.T. -0.04 min
Lab File: VU034498.D
Acq: 12 Sep 2019 00:30

Tgt Ion: 43 Resp: 45169
Ion Ratio Lower Upper
43 100
58 8.3 33.0 49.4#





#54

cis-1,3-Dichloropropene

Concen: 4.689 ug/l

RT: 7.40 min Scan# 1963

Delta R.T. 0.15 min

Lab File: VU034498.D

Acq: 12 Sep 2019 00:30

Instrument :

MSVOA_U

ClientSampleId :

T-11-A3-(4)

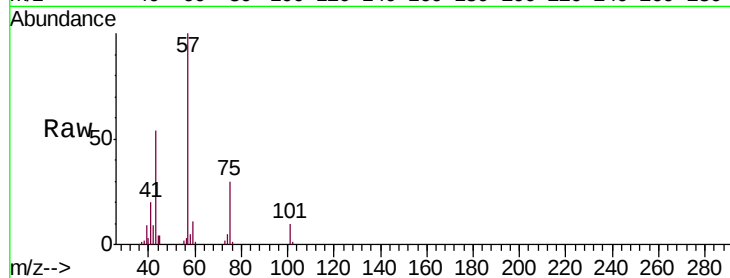
Tgt Ion: 75 Resp: 25481

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

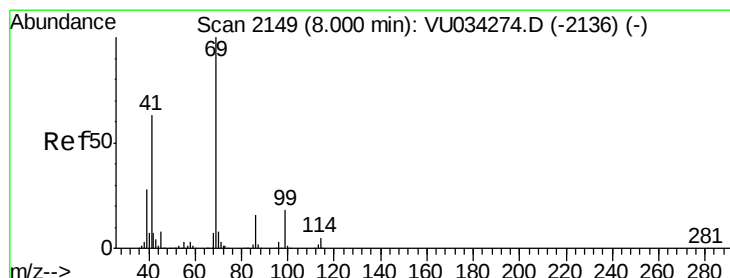
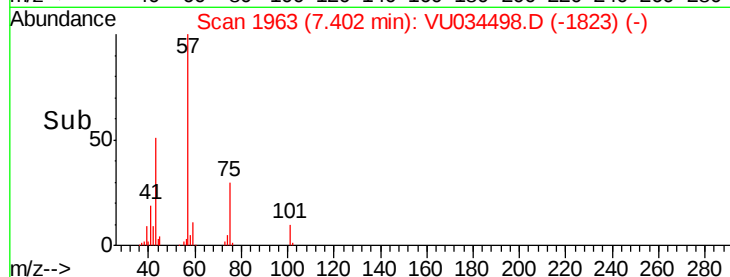
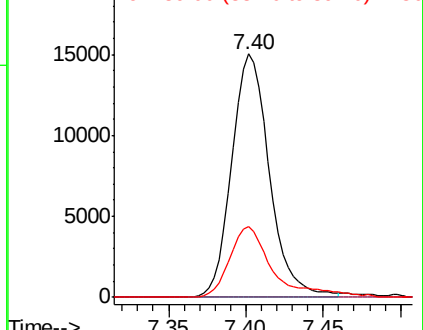
39 29.1 31.2 46.8#



Abundance Ion 74.90 (74.60 to 75.60): VU034498.D (-1963) (-)

Ion 76.90 (76.60 to 77.60): VU034498.D (-1963) (-)

Ion 39.00 (38.70 to 39.70): VU034498.D (-1963) (-)



#56

Ethyl methacrylate

Concen: 3.095 ug/l

RT: 7.94 min Scan# 2130

Delta R.T. -0.06 min

Lab File: VU034498.D

Acq: 12 Sep 2019 00:30

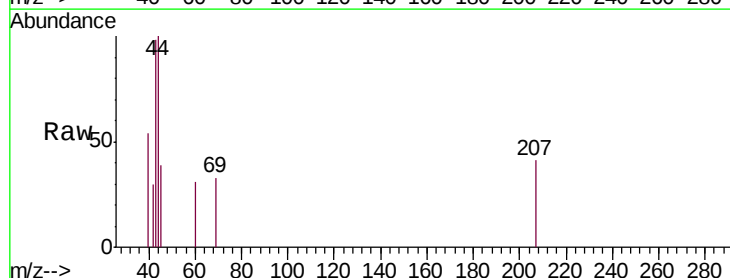
Tgt Ion: 69 Resp: 108

Ion Ratio Lower Upper

69 100

41 0.0 49.5 74.3#

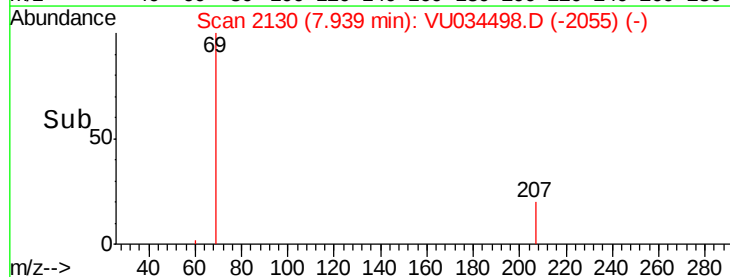
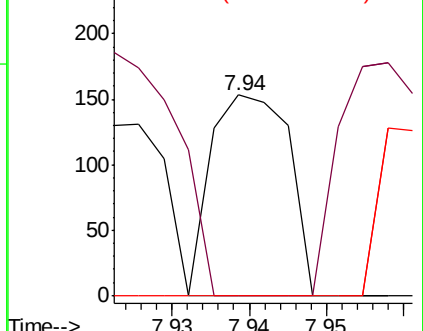
39 0.0 22.5 33.7#

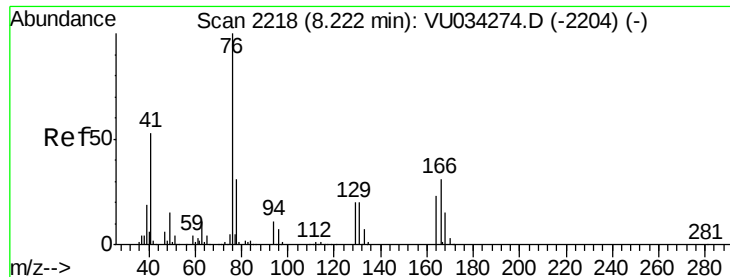


Abundance Ion 69.00 (68.70 to 69.70): VU034498.D (-2130) (-)

Ion 41.00 (40.70 to 41.70): VU034498.D (-2130) (-)

Ion 39.00 (38.70 to 39.70): VU034498.D (-2130) (-)





#57

1,3-Dichloropropane

Concen: 0.480 ug/l

RT: 8.40 min Scan# 2273

Delta R.T. 0.18 min

Lab File: VU034498.D

Acq: 12 Sep 2019 00:30

Instrument :

MSVOA_U

ClientSampled :

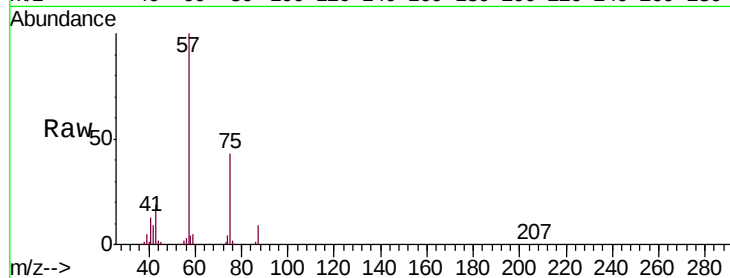
T-11-A3-(4)

Tgt Ion: 76 Resp: 2817

Ion Ratio Lower Upper

76 100

78 0.0 25.4 38.2#



Abundance Ion 75.90 (75.60 to 76.60): VU034498.D (-2125) (-)

Ion 77.90 (77.60 to 78.60): VU034498.D (-2125) (-)

8.40

1500

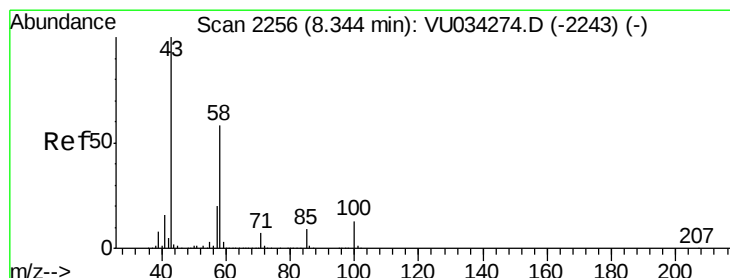
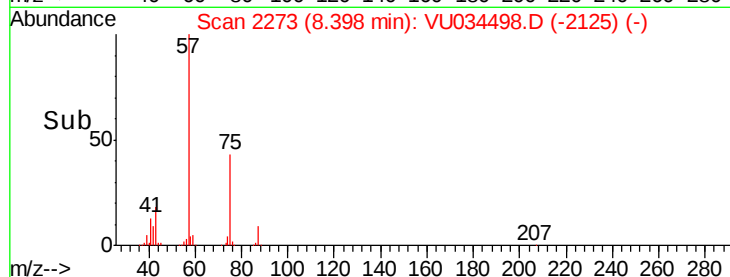
1000

500

0

8.35 8.40 8.45

Time-->



#59

2-Hexanone

Concen: 9.693 ug/l

RT: 8.40 min Scan# 2273

Delta R.T. 0.05 min

Lab File: VU034498.D

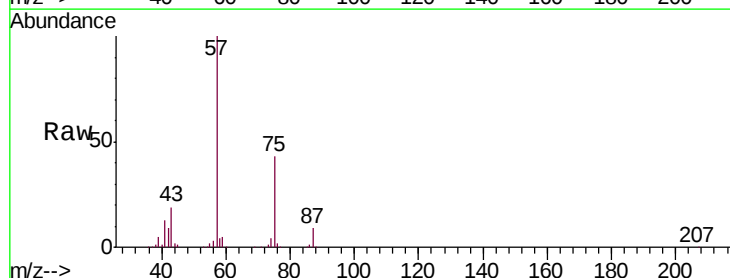
Acq: 12 Sep 2019 00:30

Tgt Ion: 43 Resp: 36231

Ion Ratio Lower Upper

43 100

58 24.7 28.8 86.5#



Abundance Ion 43.00 (42.70 to 43.70): VU034498.D (-2163) (-)

Ion 58.00 (57.70 to 58.70): VU034498.D (-2163) (-)

8.40

25000

20000

15000

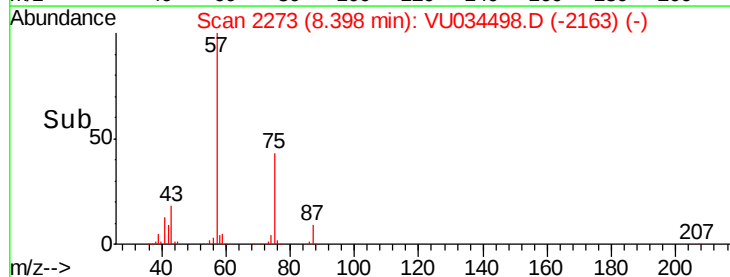
10000

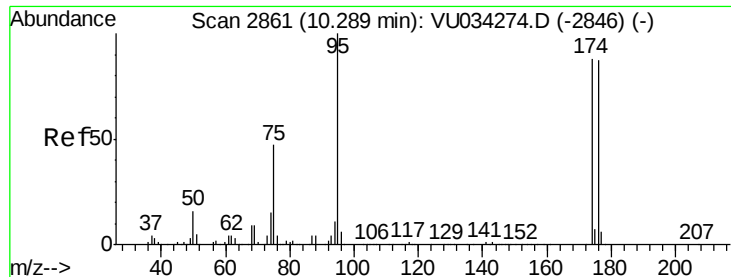
5000

0

8.35 8.40 8.45 8.50

Time-->

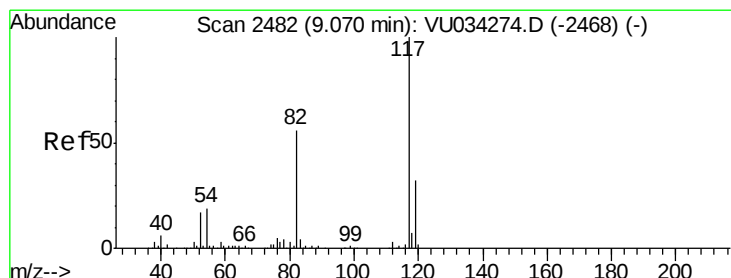
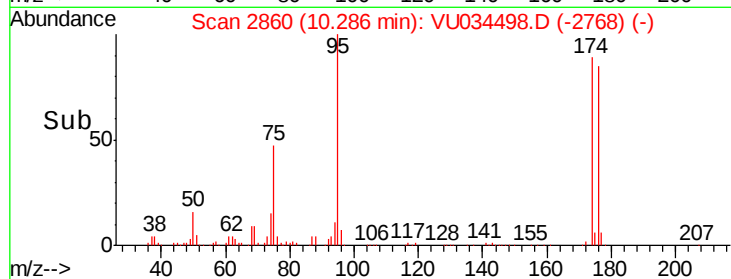
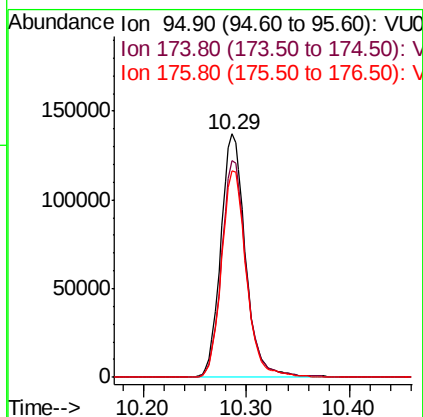
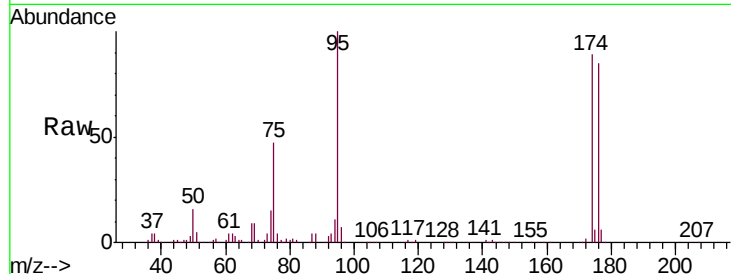




#62
4-Bromofluorobenzene
Concen: 47.020 ug/l
RT: 10.29 min Scan# 2860
Delta R.T. -0.00 min
Lab File: VU034498.D
Acq: 12 Sep 2019 00:30

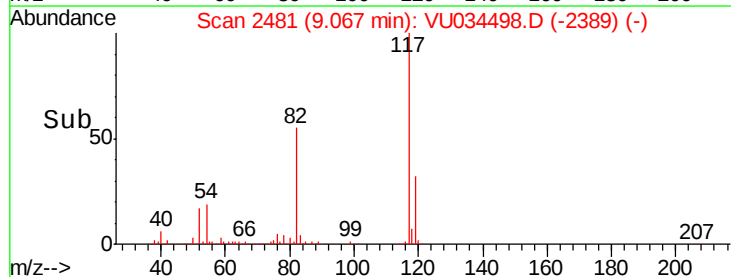
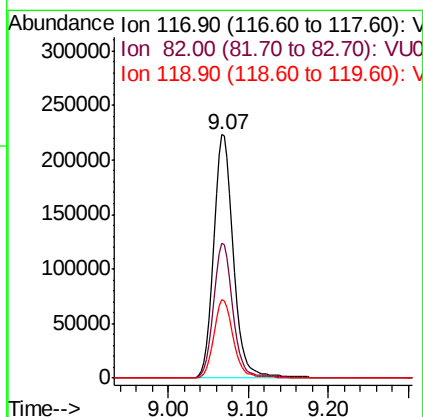
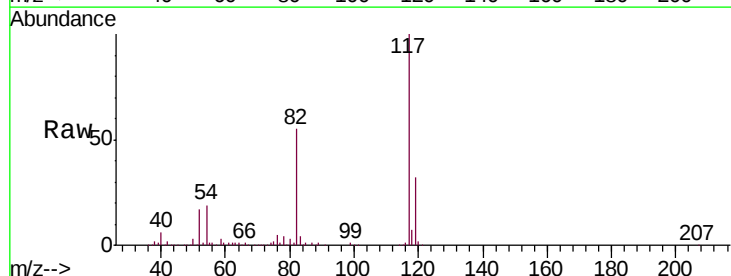
Instrument :
MSVOA_U
ClientSampleId :
T-11-A3-(4)

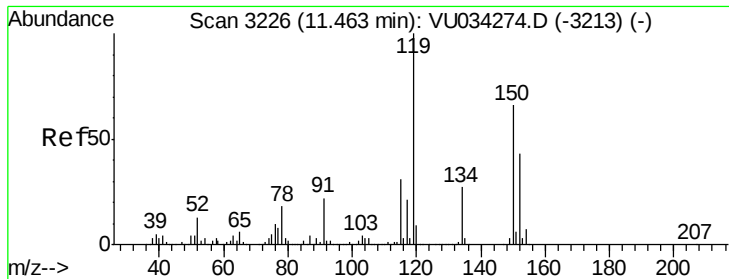
Tgt Ion: 95 Resp: 229339
Ion Ratio Lower Upper
95 100
174 89.3 0.0 175.2
176 85.0 0.0 168.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2481
Delta R.T. -0.00 min
Lab File: VU034498.D
Acq: 12 Sep 2019 00:30

Tgt Ion: 117 Resp: 384307
Ion Ratio Lower Upper
117 100
82 55.4 44.6 67.0
119 32.0 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. -0.00 min

Lab File: VU034498.D

Acq: 12 Sep 2019 00:30

Instrument :

MSVOA_U

ClientSampleId :

T-11-A3-(4)

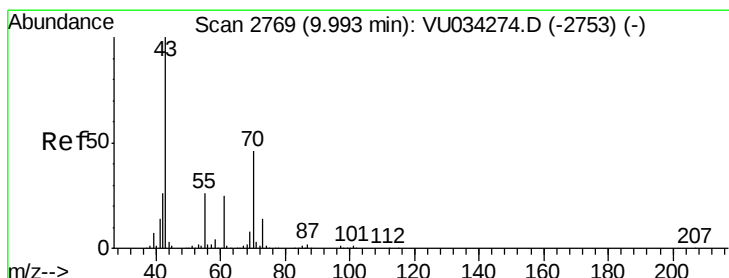
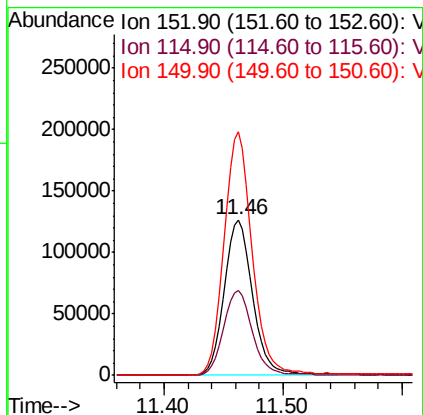
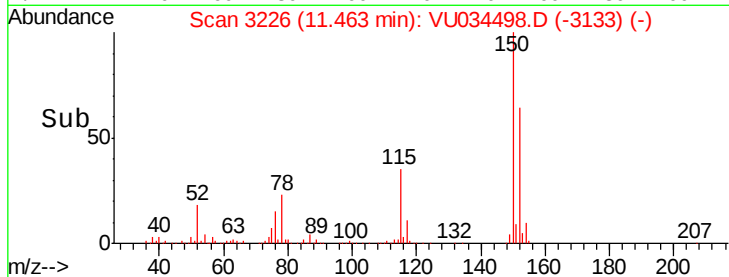
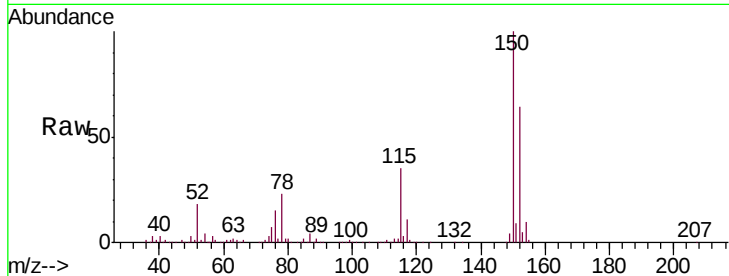
Tgt Ion:152 Resp: 210358

Ion Ratio Lower Upper

152 100

115 55.5 39.1 117.3

150 154.2 0.0 345.4



#74

N-ethyl acetate

Concen: 0.318 ug/l

RT: 9.92 min Scan# 2746

Delta R.T. -0.07 min

Lab File: VU034498.D

Acq: 12 Sep 2019 00:30

Tgt Ion: 43 Resp: 1754

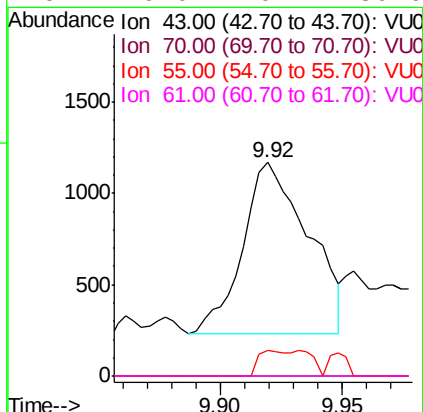
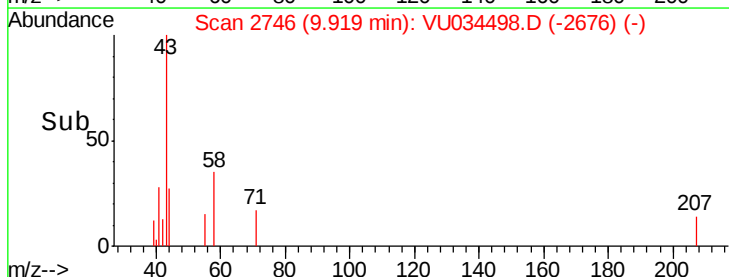
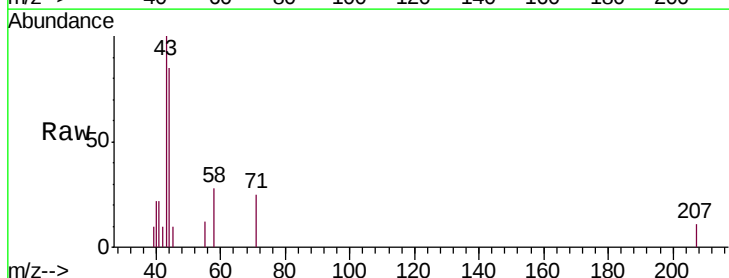
Ion Ratio Lower Upper

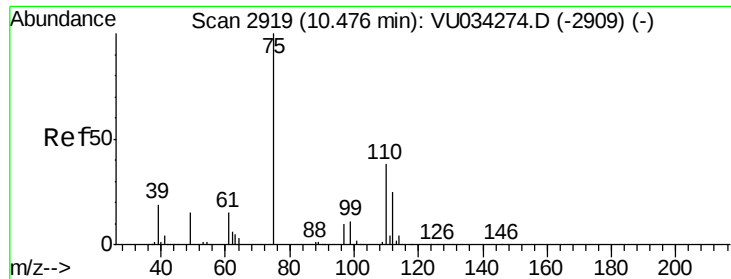
43 100

70 0.0 36.4 54.6#

55 5.7 21.2 31.8#

61 0.0 20.4 30.6#

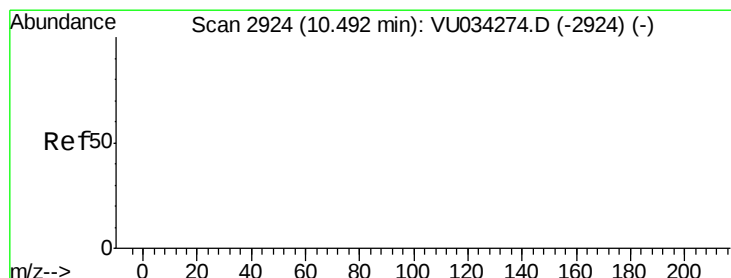
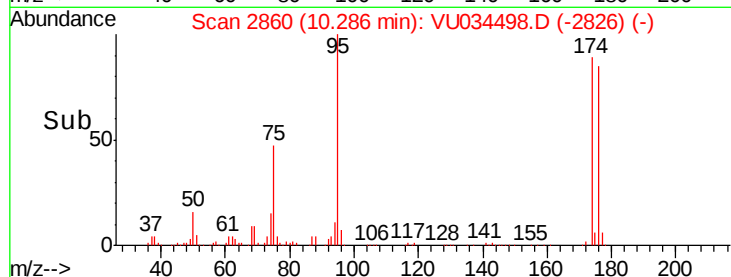
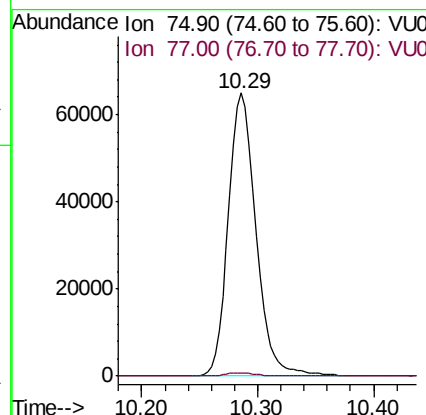
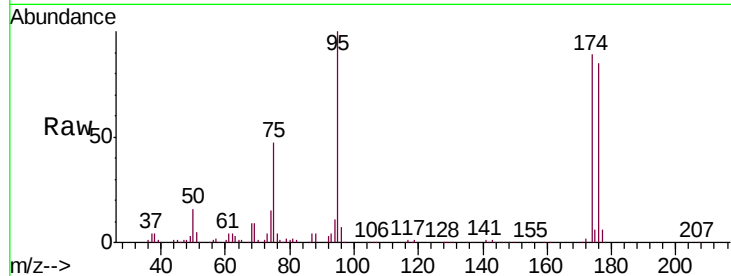




#76
 1,2,3-Trichloropropane
 Concen: 23.408 ug/l
 RT: 10.29 min Scan# 2860
 Delta R.T. -0.19 min
 Lab File: VU034498.D
 Acq: 12 Sep 2019 00:30

Instrument :
 MSVOA_U
 ClientSampleId :
 T-11-A3-(4)

Tgt Ion: 75 Resp: 107484
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.8 62.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.720 ug/l
 RT: 10.29 min Scan# 2860
 Delta R.T. -0.21 min
 Lab File: VU034498.D
 Acq: 12 Sep 2019 00:30

Tgt Ion: 75 Resp: 107484
 Ion Ratio Lower Upper
 75 100
 53 0.2 0.0 0.0#
 89 0.0 0.0 0.0

