

Data File : VU034497.D
Acq On : 12 Sep 2019 00:07
Operator : JC/SP
Sample : K4624-26
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
T-11-A2-(4)

Quant Time: Sep 12 04:47:21 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	248626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	374264	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	402780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	223253	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	225769	60.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.04%	
35) Dibromofluoromethane	4.86	113	194371	55.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.62%	
50) Toluene-d8	7.54	98	720856	55.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.18%	
62) 4-Bromofluorobenzene	10.29	95	242031	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	

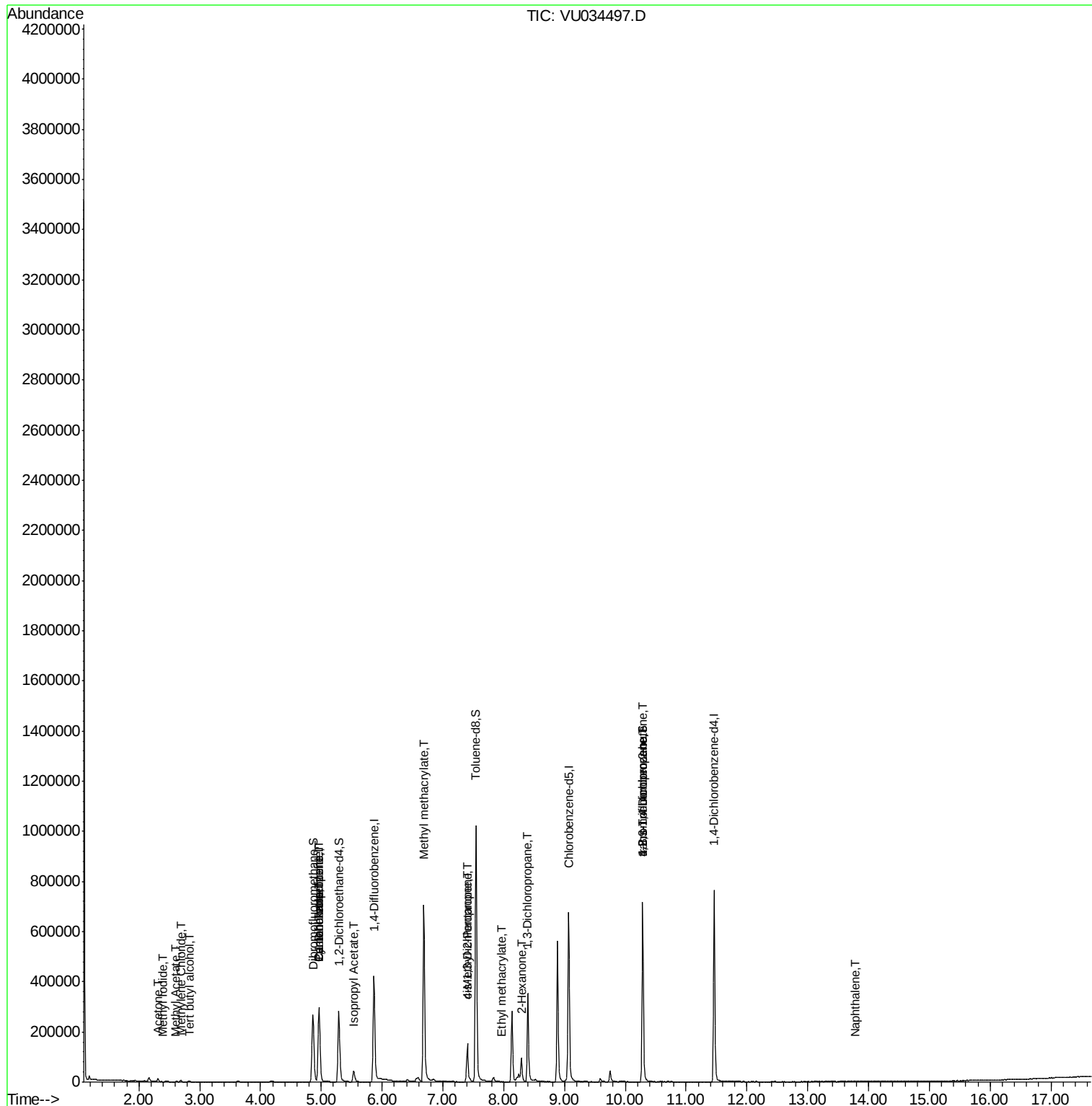
Target Compounds			Qvalue			
5) Bromomethane	1.63	94	363	Below Cal		88
6) Chloroethane	1.69	64	90	Below Cal	#	43
10) Methyl Iodide	2.40	142	44	3.862	ug/l #	43
11) Tert butyl alcohol	2.83	59	2605	3.278	ug/l #	73
16) Acetone	2.31	43	12867	6.610	ug/l	98
18) Methyl Acetate	2.61	43	3697	0.780	ug/l #	84
20) Methylene Chloride	2.69	84	3273	0.632	ug/l	94
31) Cyclohexane	4.96	56	4058	0.921	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	16767	4.131	ug/l #	48
38) Carbon Tetrachloride	4.96	117	22698	5.237	ug/l #	17
43) Isopropyl Acetate	5.53	43	53431	7.137	ug/l	100
48) Methyl methacrylate	6.68	41	65101	18.309	ug/l #	36
51) 4-Methyl-2-Pentanone	7.40	43	50855	9.814	ug/l #	47
54) cis-1,3-Dichloropropene	7.40	75	28478	5.060	ug/l #	67
56) Ethyl methacrylate	7.96	69	68	3.088	ug/l #	28
57) 1,3-Dichloropropane	8.40	76	3313	0.545	ug/l #	43
59) 2-Hexanone	8.29	43	71808	18.549	ug/l #	22
76) 1,2,3-Trichloropropane	10.29	75	114630	23.522	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.29	75	114630	79.104	ug/l #	100
95) Naphthalene	13.79	128	22	3.967	ug/l #	69

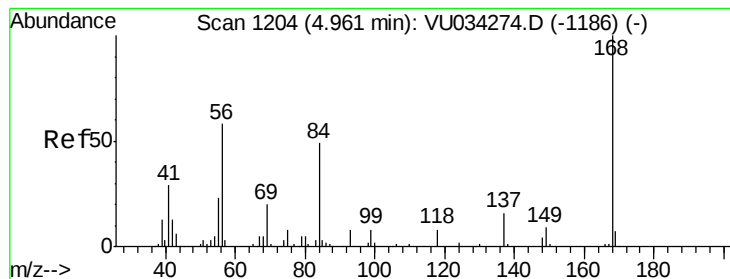
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU034497.D
Acq On : 12 Sep 2019 00:07
Operator : JC/SP
Sample : K4624-26
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
T-11-A2-(4)

Quant Time: Sep 12 04:47:21 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034497.D

Acq: 12 Sep 2019 00:07

Instrument :

MSVOA_U

ClientSampleId :

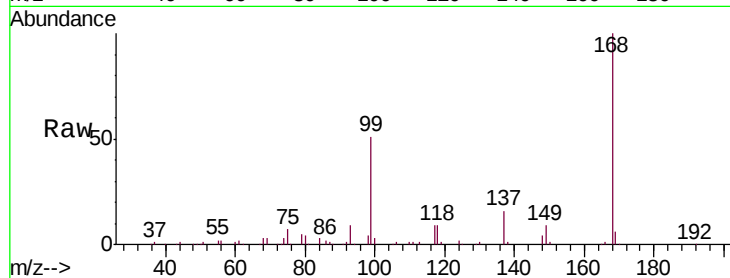
T-11-A2-(4)

Tgt Ion:168 Resp: 248626

Ion Ratio Lower Upper

168 100

99 51.2 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034274.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034274.D (-1186) (-)

4.96

120000

100000

80000

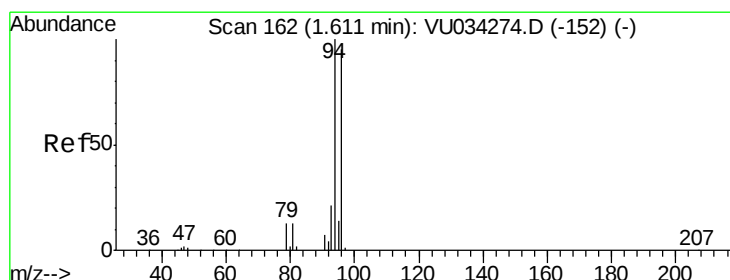
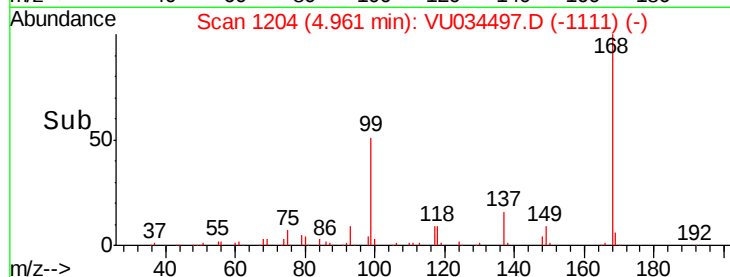
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 168

Delta R.T. 0.02 min

Lab File: VU034497.D

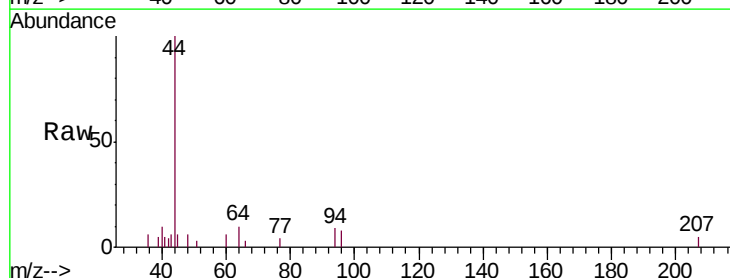
Acq: 12 Sep 2019 00:07

Tgt Ion: 94 Resp: 363

Ion Ratio Lower Upper

94 100

96 83.2 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VU034274.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VU034274.D (-152) (-)

1.63

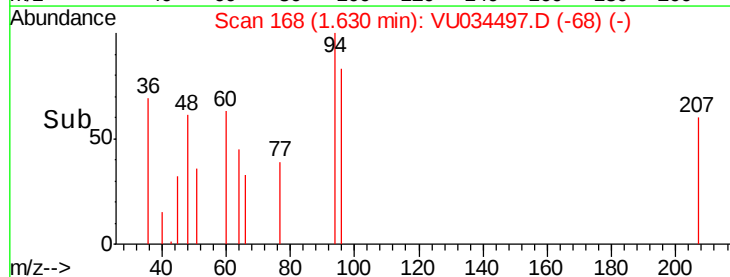
300

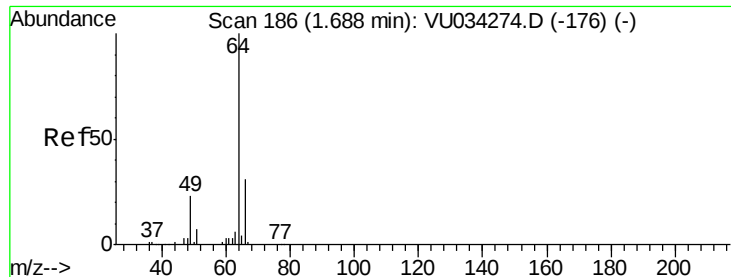
200

100

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU034497.D

Acq: 12 Sep 2019 00:07

Instrument :

MSVOA_U

ClientSampleId :

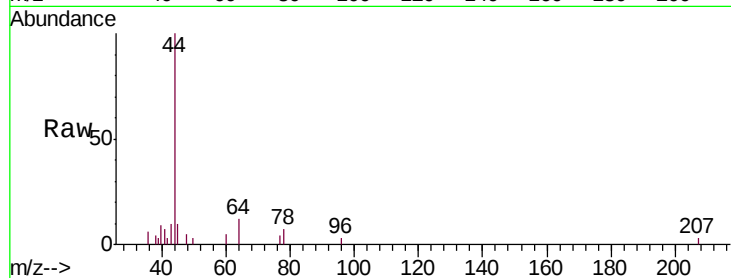
T-11-A2-(4)

Tgt Ion: 64 Resp: 90

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



Abundance Ion 63.90 (63.60 to 64.60): VU034497.D (-176) (-)

Ion 65.90 (65.60 to 66.60): VU034497.D (-176) (-)

1.69

400

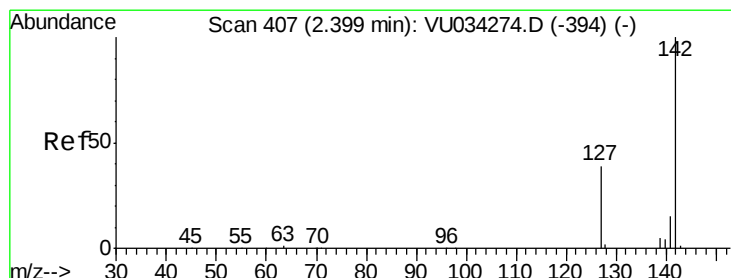
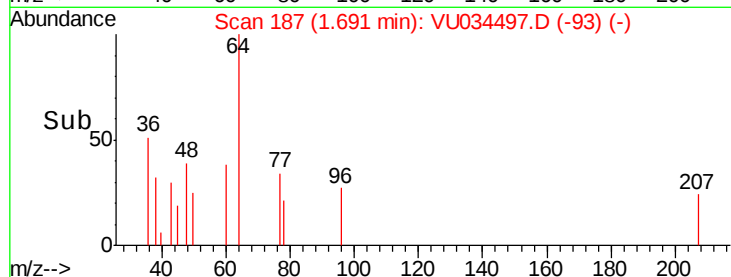
300

200

100

0

Time-->



#10

Methyl Iodide

Concen: 3.862 ug/l

RT: 2.40 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU034497.D

Acq: 12 Sep 2019 00:07

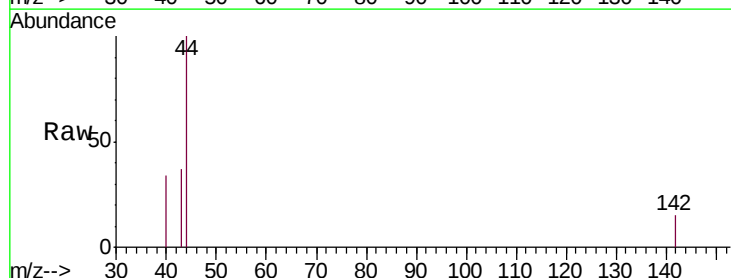
Tgt Ion: 142 Resp: 44

Ion Ratio Lower Upper

142 100

127 0.0 32.1 48.1#

141 0.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): VU034497.D (-313) (-)

Ion 126.80 (126.50 to 127.50): VU034497.D (-313) (-)

Ion 140.80 (140.50 to 141.50): VU034497.D (-313) (-)

2.40

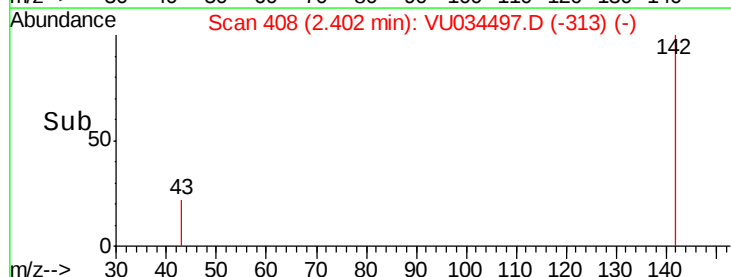
150

100

50

0

Time-->



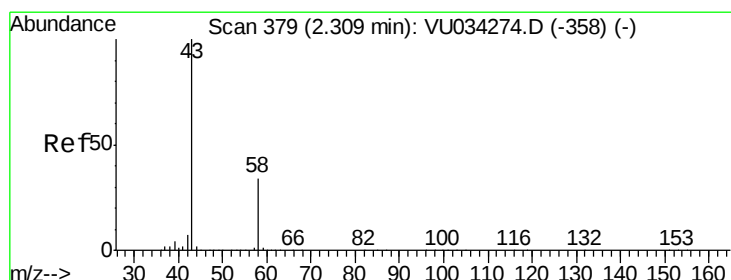
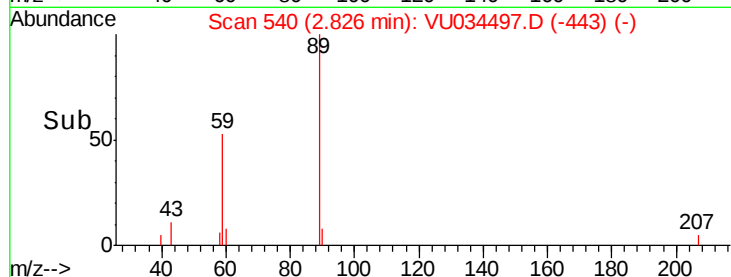
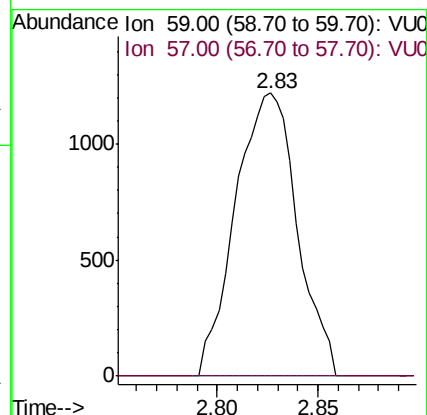
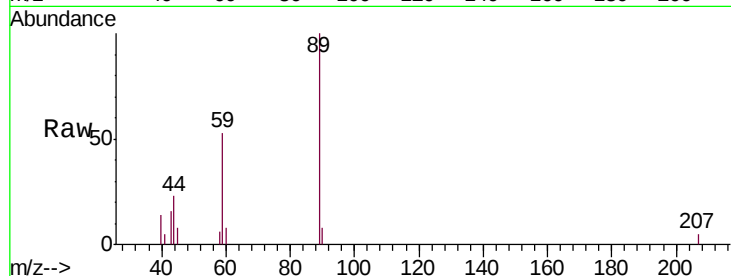


#11

Tert butyl alcohol
 Concen: 3.278 ug/l
 RT: 2.83 min Scan# 540
 Delta R.T. 0.01 min
 Lab File: VU034497.D
 Acq: 12 Sep 2019 00:07

Instrument :
 MSVOA_U
 ClientSampleId :
 T-11-A2-(4)

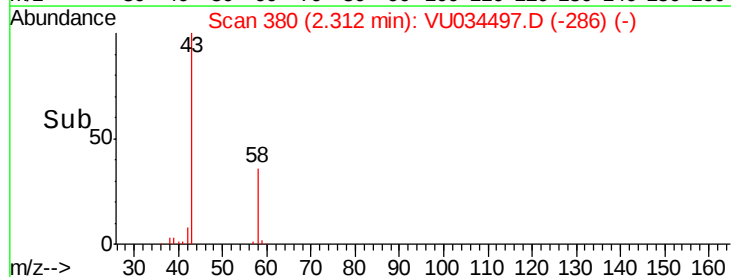
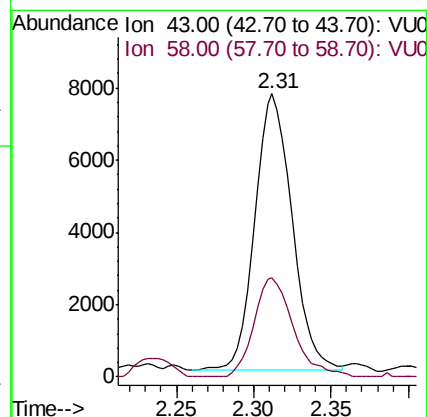
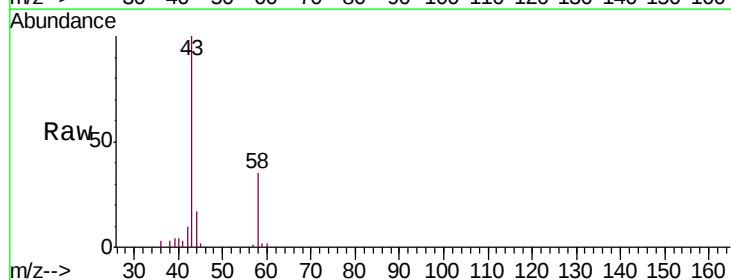
Tgt Ion: 59 Resp: 2605
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

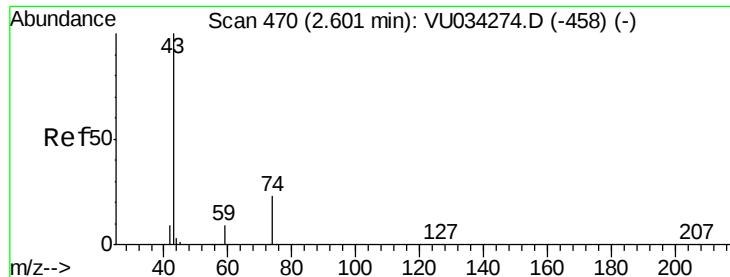


#16

Acetone
 Concen: 6.610 ug/l
 RT: 2.31 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VU034497.D
 Acq: 12 Sep 2019 00:07

Tgt Ion: 43 Resp: 12867
 Ion Ratio Lower Upper
 43 100
 58 35.8 27.6 41.4

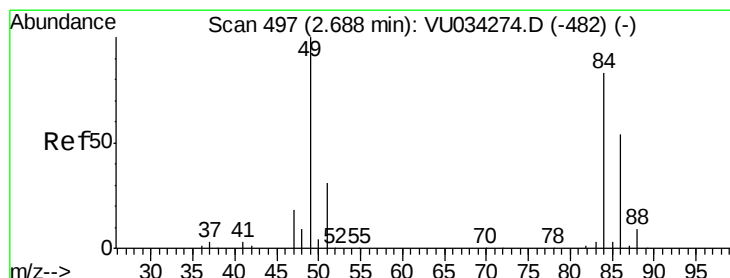
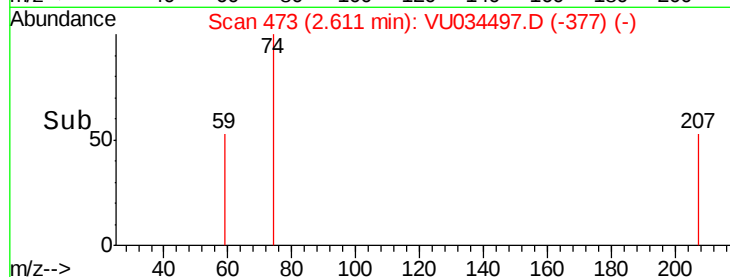
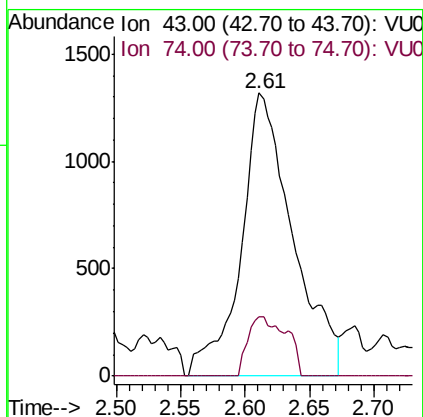
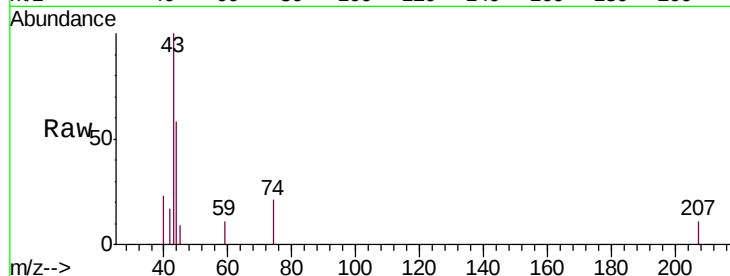




#18
Methyl Acetate
Concen: 0.780 ug/l
RT: 2.61 min Scan# 473
Delta R.T. 0.01 min
Lab File: VU034497.D
Acq: 12 Sep 2019 00:07

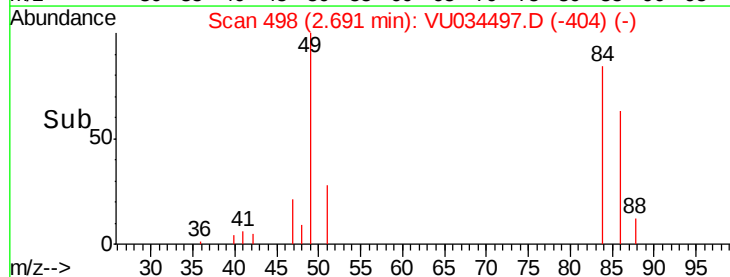
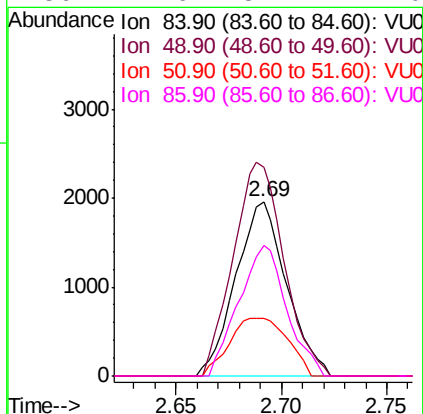
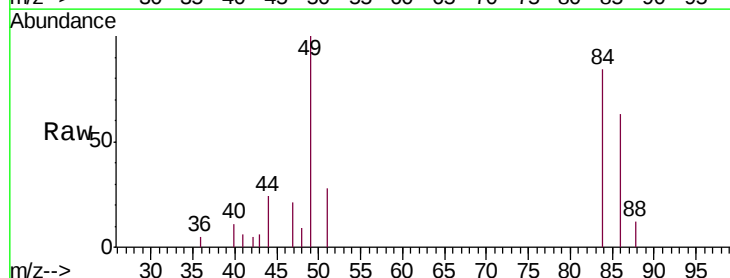
Instrument :
MSVOA_U
ClientSampleId :
T-11-A2-(4)

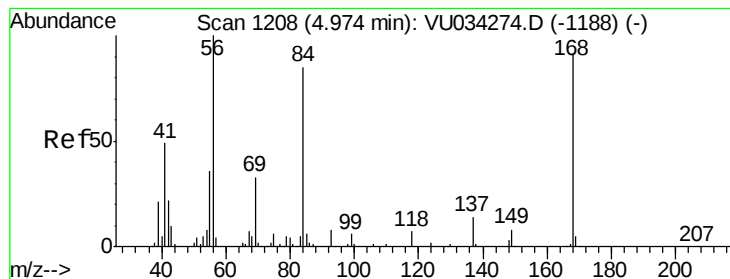
Tgt Ion: 43 Resp: 3697
Ion Ratio Lower Upper
43 100
74 15.5 18.9 28.3#



#20
Methylene Chloride
Concen: 0.632 ug/l
RT: 2.69 min Scan# 498
Delta R.T. 0.00 min
Lab File: VU034497.D
Acq: 12 Sep 2019 00:07

Tgt Ion: 84 Resp: 3273
Ion Ratio Lower Upper
84 100
49 119.3 96.0 144.0
51 32.9 30.0 45.0
86 74.6 51.4 77.0





#31

Cyclohexane

Concen: 0.921 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VU034497.D

Acq: 12 Sep 2019 00:07

Instrument :

MSVOA_U

ClientSampled :

T-11-A2-(4)

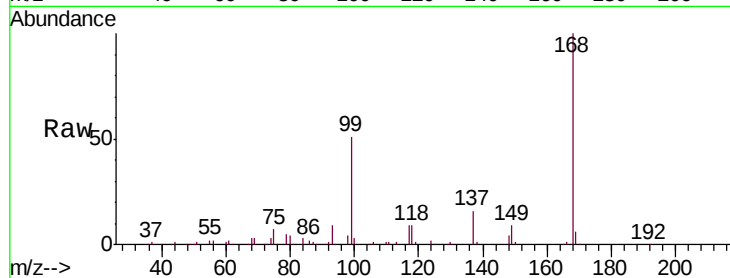
Tgt Ion: 56 Resp: 4058

Ion Ratio Lower Upper

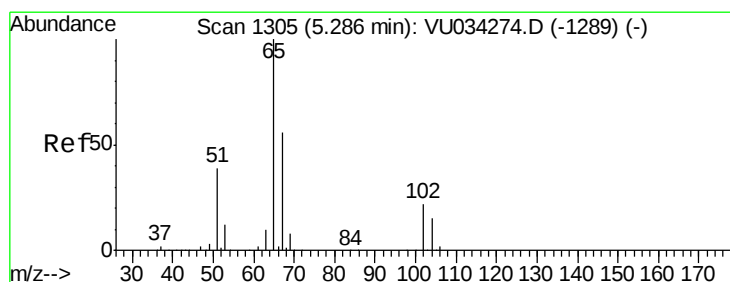
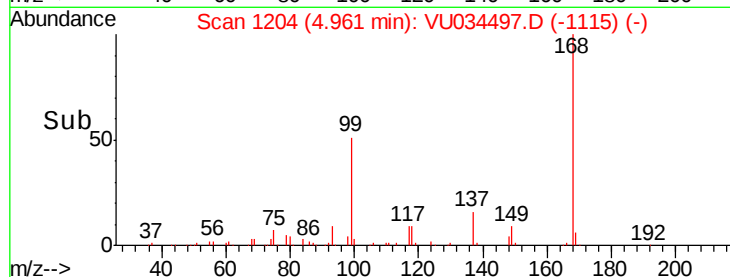
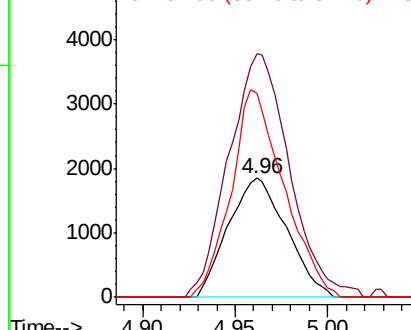
56 100

69 197.4 26.7 40.1#

84 170.7 68.2 102.4#



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: 60.016 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU034497.D

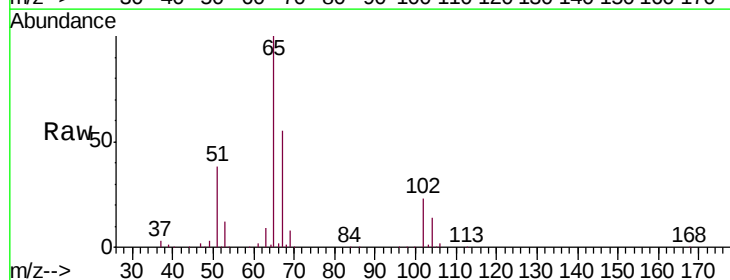
Acq: 12 Sep 2019 00:07

Tgt Ion: 65 Resp: 225769

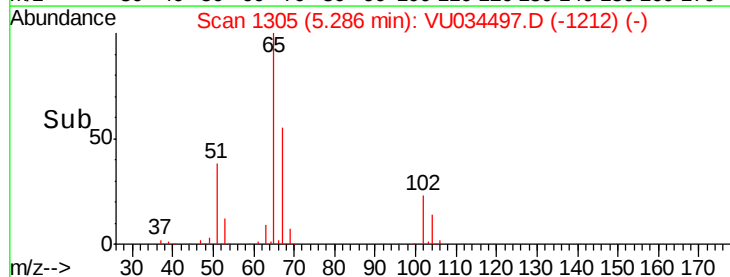
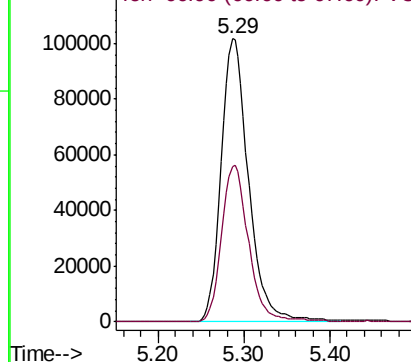
Ion Ratio Lower Upper

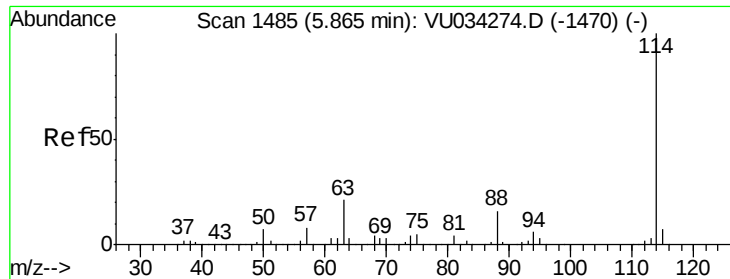
65 100

67 54.0 0.0 112.4



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

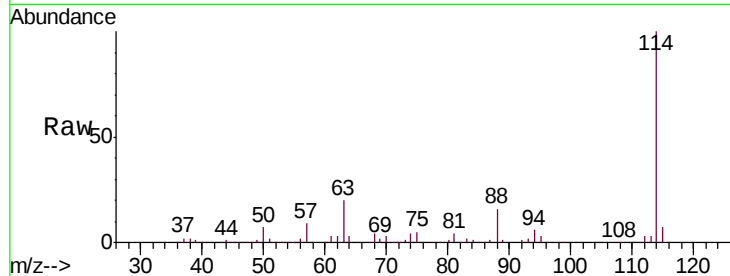




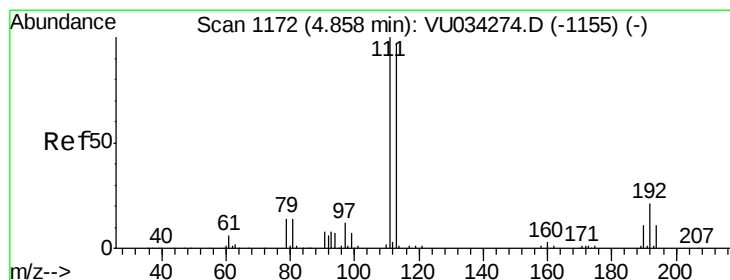
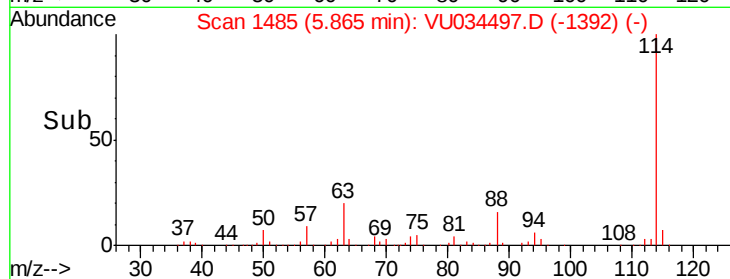
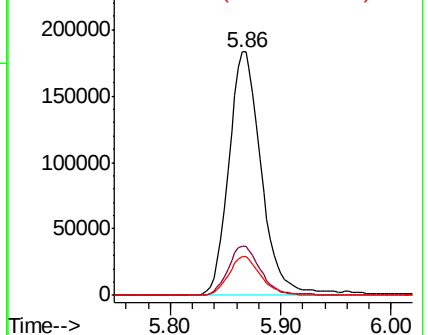
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034497.D
 Acq: 12 Sep 2019 00:07

Instrument :
 MSVOA_U
 ClientSampleId :
 T-11-A2-(4)

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	42.4
88	16.0	0.0	32.4

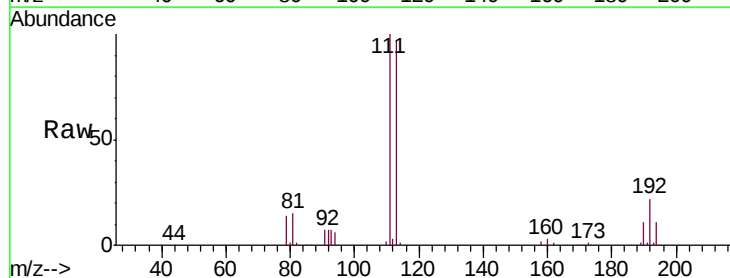


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

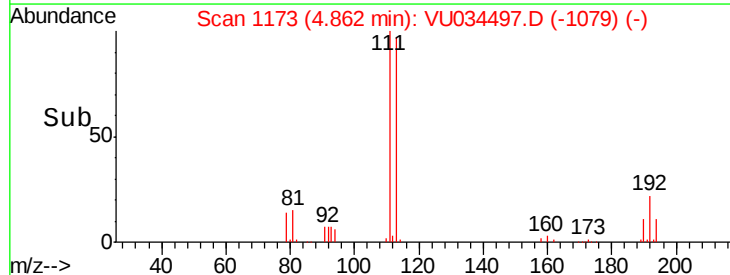
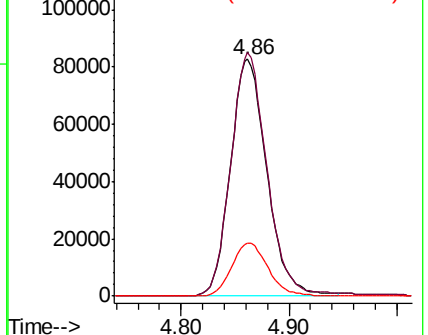


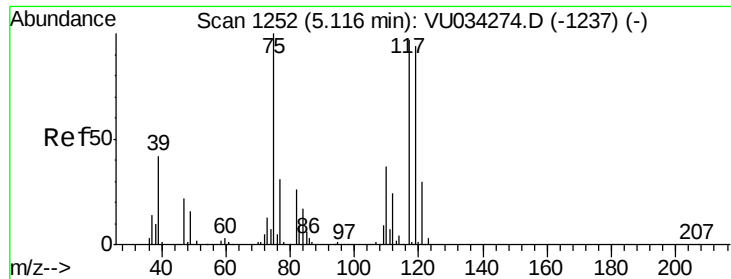
#35
 Dibromofluoromethane
 Concen: 55.813 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034497.D
 Acq: 12 Sep 2019 00:07

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.5	122.3
192	22.5	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: 4.131 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.15 min

Lab File: VU034497.D

Acq: 12 Sep 2019 00:07

Instrument :

MSVOA_U

ClientSampleId :

T-11-A2-(4)

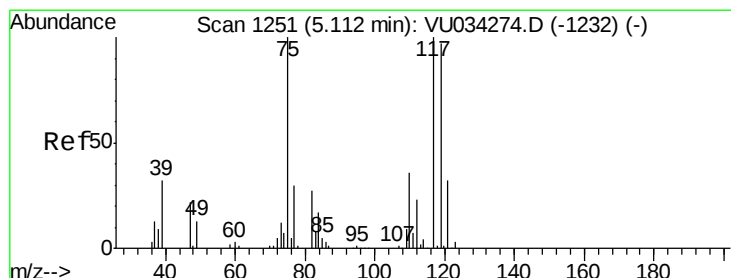
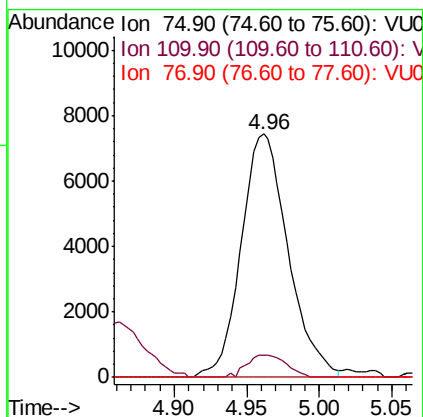
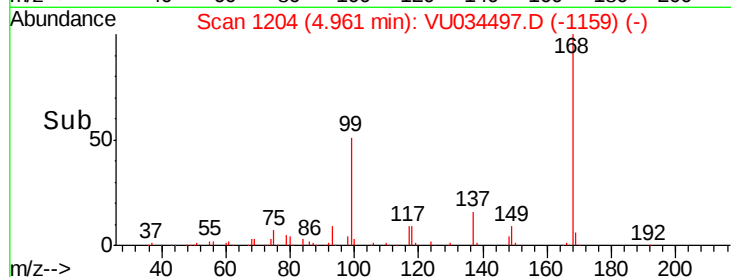
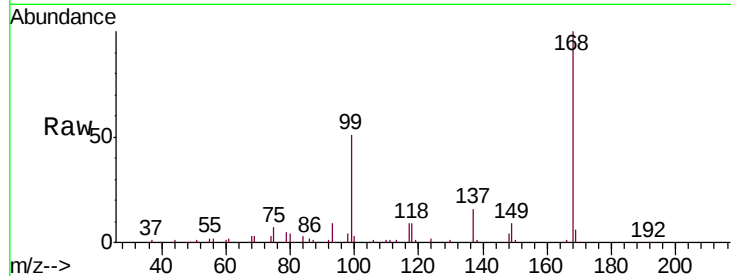
Tgt Ion: 75 Resp: 16767

Ion Ratio Lower Upper

75 100

110 7.7 18.3 54.9#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 5.237 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.15 min

Lab File: VU034497.D

Acq: 12 Sep 2019 00:07

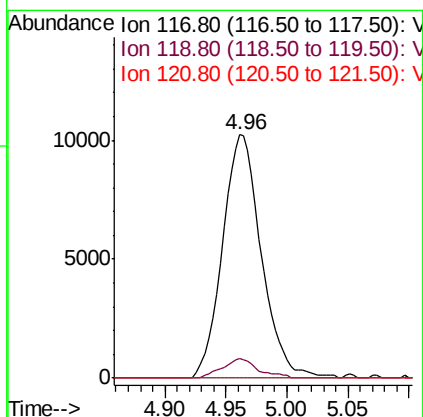
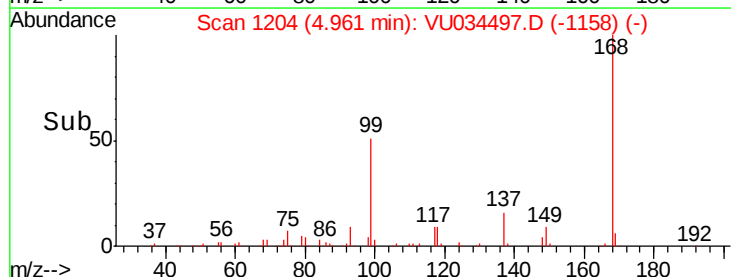
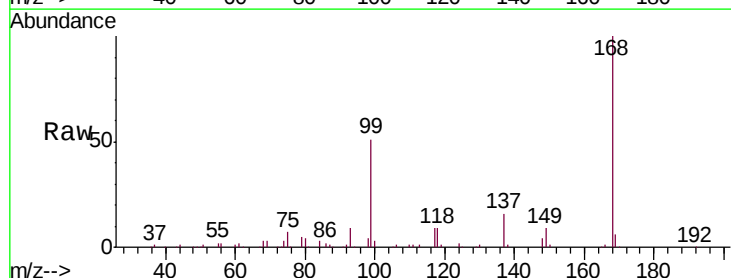
Tgt Ion: 117 Resp: 22698

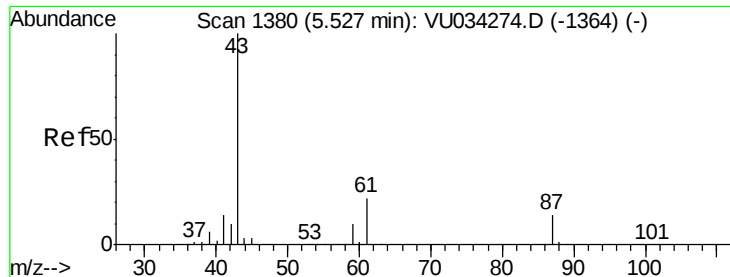
Ion Ratio Lower Upper

117 100

119 7.8 77.8 116.6#

121 0.0 25.2 37.8#





#43

Isopropyl Acetate

Concen: 7.137 ug/l

RT: 5.53 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VU034497.D

Acq: 12 Sep 2019 00:07

Instrument :

MSVOA_U

ClientSampleId :

T-11-A2-(4)

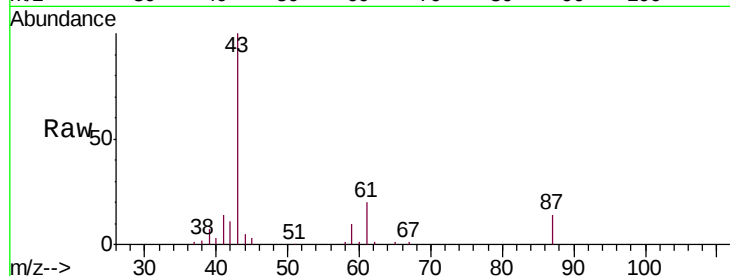
Tgt Ion: 43 Resp: 53431

Ion Ratio Lower Upper

43 100

61 21.2 17.1 25.7

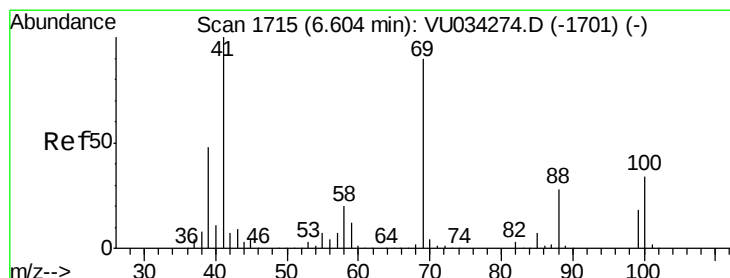
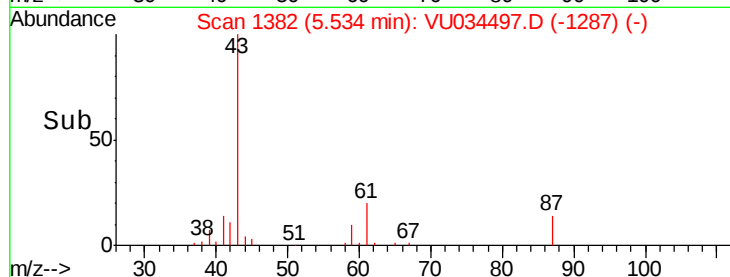
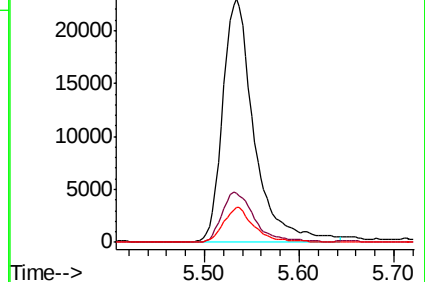
87 13.7 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VU034497.D (-1287) (-)

Ion 61.00 (60.70 to 61.70): VU034497.D (-1287) (-)

Ion 87.00 (86.70 to 87.70): VU034497.D (-1287) (-)



#48

Methyl methacrylate

Concen: 18.309 ug/l

RT: 6.68 min Scan# 1740

Delta R.T. 0.08 min

Lab File: VU034497.D

Acq: 12 Sep 2019 00:07

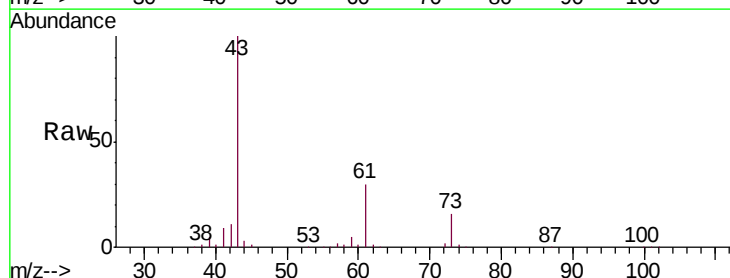
Tgt Ion: 41 Resp: 65101

Ion Ratio Lower Upper

41 100

69 0.0 72.8 109.2#

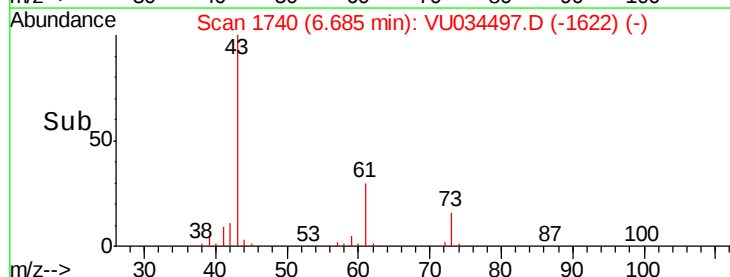
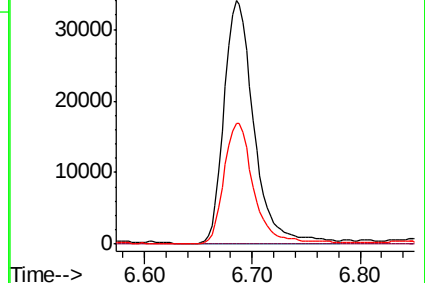
39 50.4 38.6 58.0

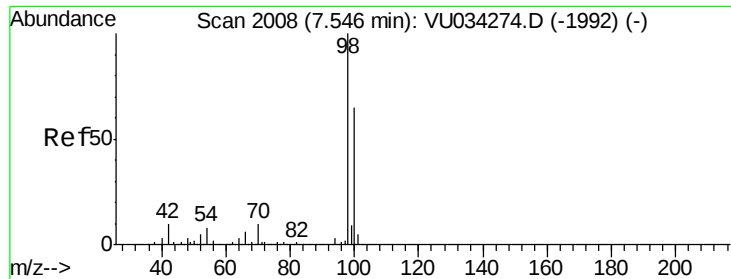


Abundance Ion 41.00 (40.70 to 41.70): VU034497.D (-1622) (-)

Ion 69.00 (68.70 to 69.70): VU034497.D (-1622) (-)

Ion 39.00 (38.70 to 39.70): VU034497.D (-1622) (-)

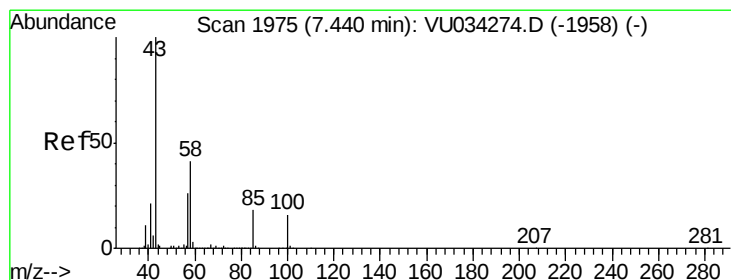
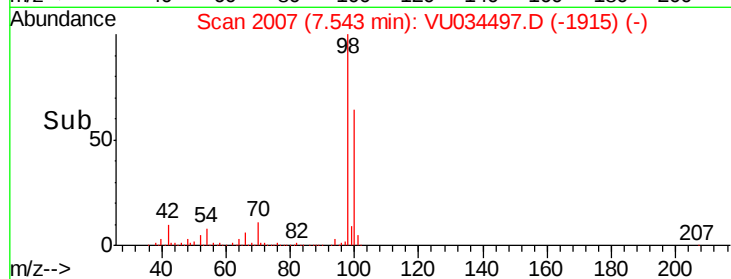
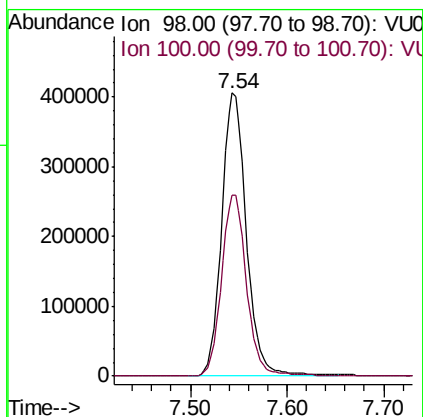
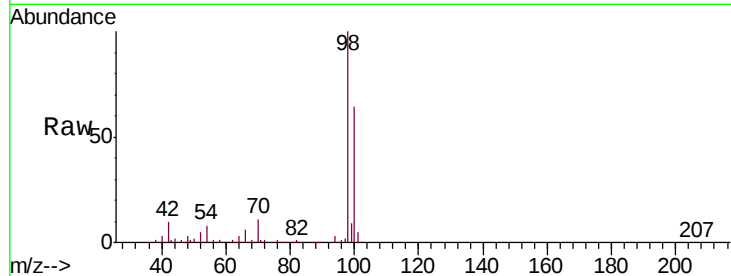




#50
Toluene-d8
Concen: 55.095 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VU034497.D
Acq: 12 Sep 2019 00:07

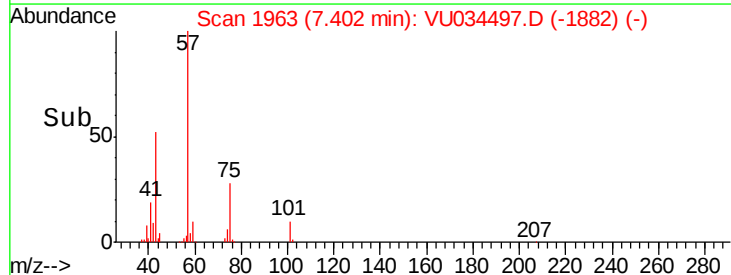
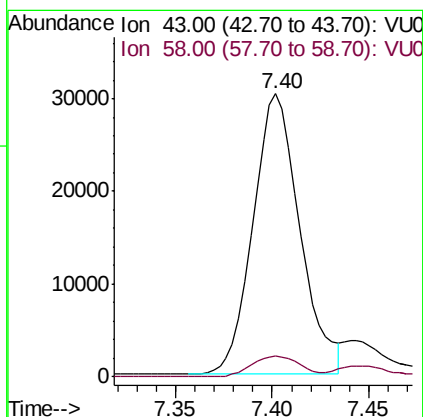
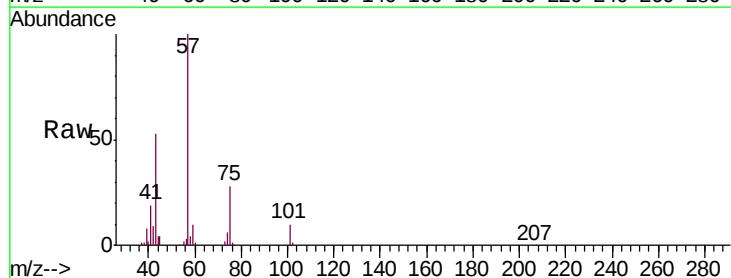
Instrument :
MSVOA_U
ClientSampleId :
T-11-A2-(4)

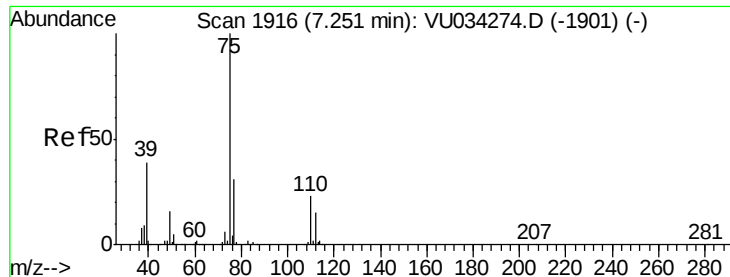
Tgt Ion: 98 Resp: 720856
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 9.814 ug/l
RT: 7.40 min Scan# 1963
Delta R.T. -0.04 min
Lab File: VU034497.D
Acq: 12 Sep 2019 00:07

Tgt Ion: 43 Resp: 50855
Ion Ratio Lower Upper
43 100
58 7.7 33.0 49.4#



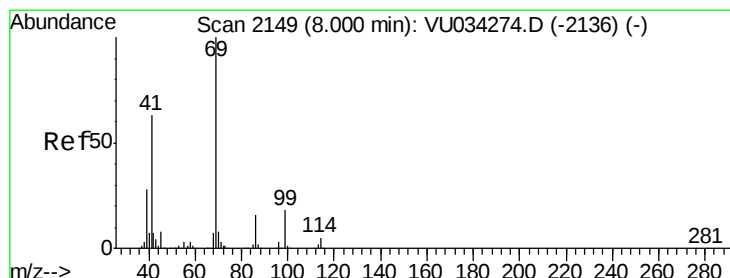
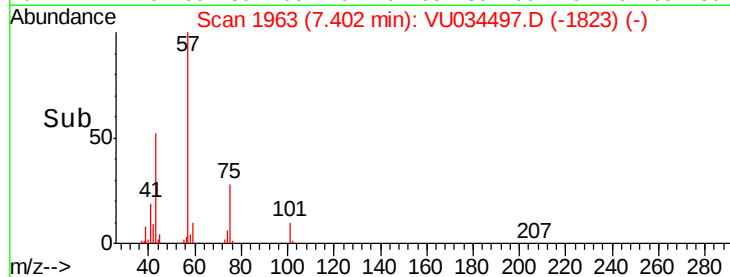
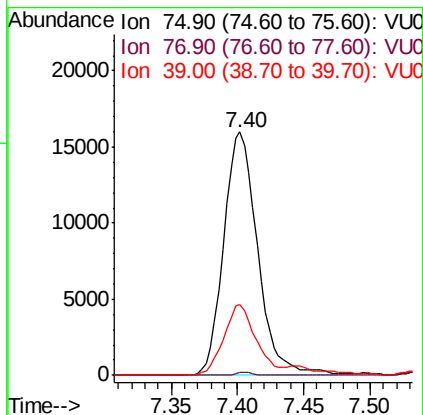
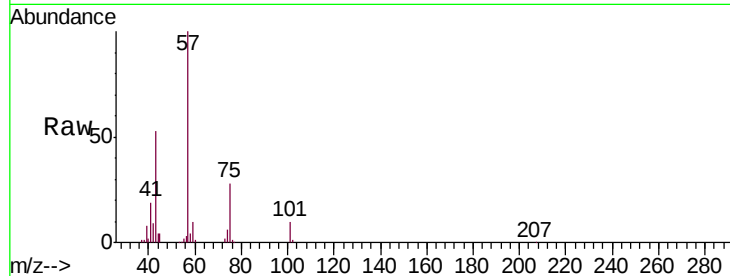


#54

cis-1,3-Dichloropropene
 Concen: 5.060 ug/l
 RT: 7.40 min Scan# 1963
 Delta R.T. 0.15 min
 Lab File: VU034497.D
 Acq: 12 Sep 2019 00:07

Instrument :
 MSVOA_U
 ClientSampleId :
 T-11-A2-(4)

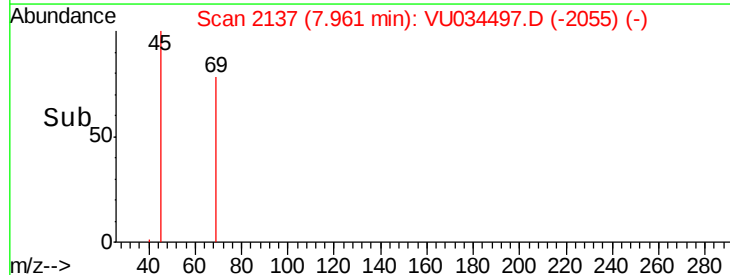
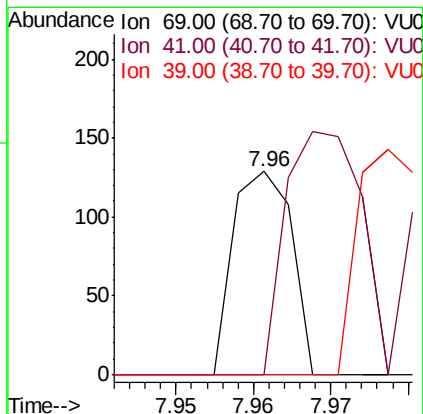
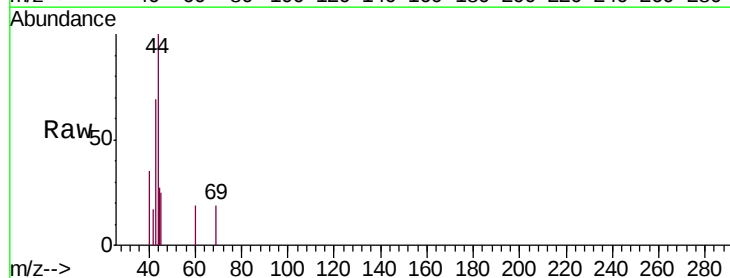
Tgt Ion: 75 Resp: 28478
 Ion Ratio Lower Upper
 75 100
 77 1.0 25.1 37.7#
 39 29.3 31.2 46.8#

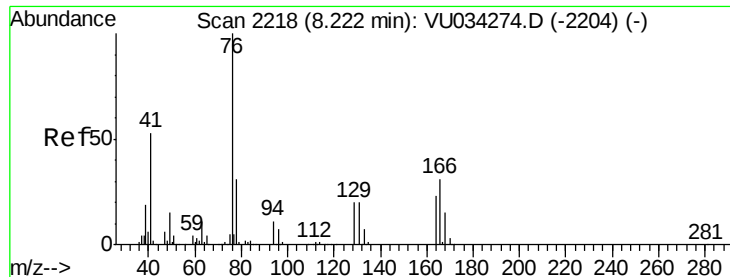


#56

Ethyl methacrylate
 Concen: 3.088 ug/l
 RT: 7.96 min Scan# 2137
 Delta R.T. -0.04 min
 Lab File: VU034497.D
 Acq: 12 Sep 2019 00:07

Tgt Ion: 69 Resp: 68
 Ion Ratio Lower Upper
 69 100
 41 0.0 49.5 74.3#
 39 0.0 22.5 33.7#





#57

1,3-Dichloropropane

Concen: 0.545 ug/l

RT: 8.40 min Scan# 2272

Delta R.T. 0.17 min

Lab File: VU034497.D

Acq: 12 Sep 2019 00:07

Instrument :

MSVOA_U

ClientSampleId :

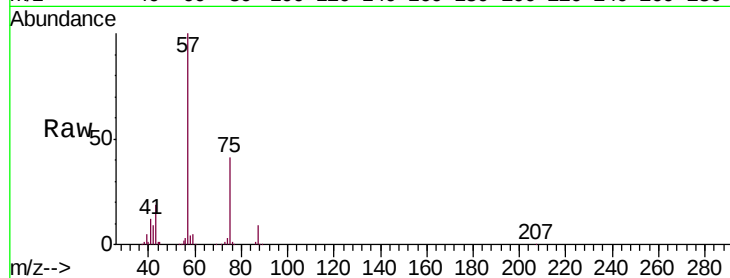
T-11-A2-(4)

Tgt Ion: 76 Resp: 3313

Ion Ratio Lower Upper

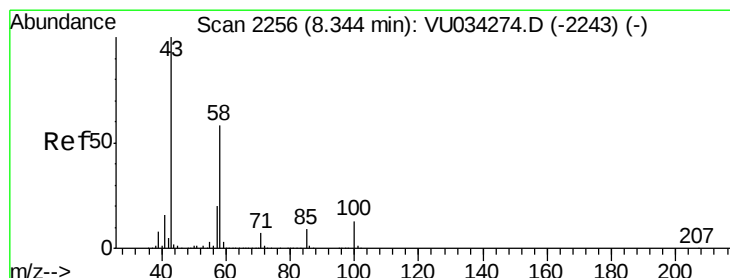
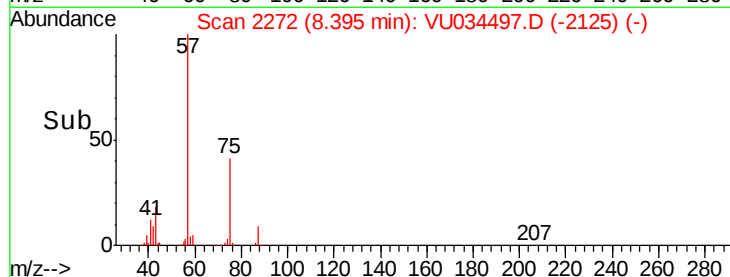
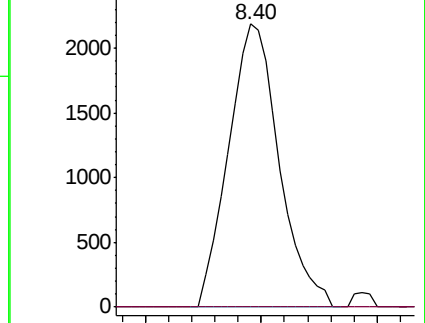
76 100

78 0.0 25.4 38.2#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#59

2-Hexanone

Concen: 18.549 ug/l

RT: 8.29 min Scan# 2240

Delta R.T. -0.05 min

Lab File: VU034497.D

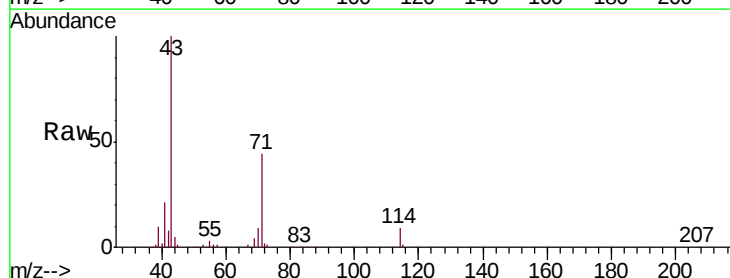
Acq: 12 Sep 2019 00:07

Tgt Ion: 43 Resp: 71808

Ion Ratio Lower Upper

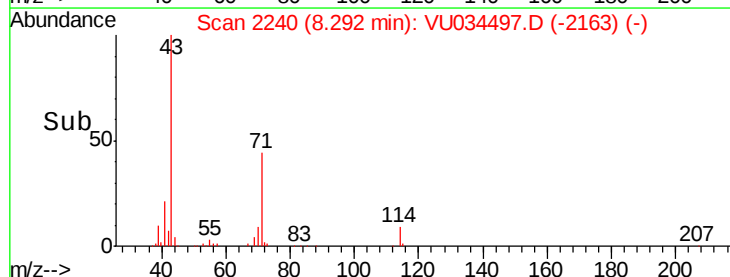
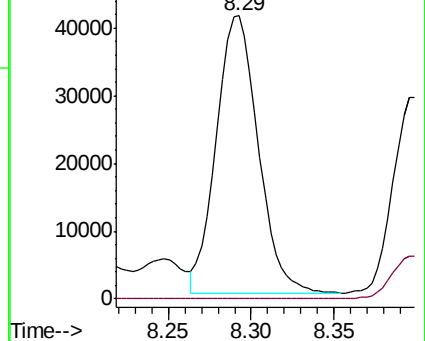
43 100

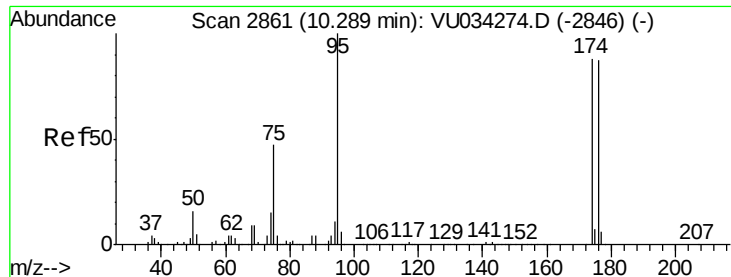
58 0.0 28.8 86.5#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

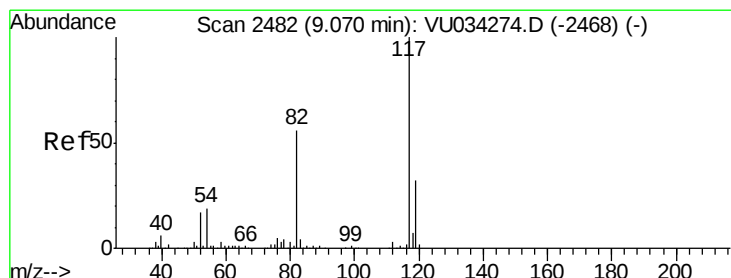
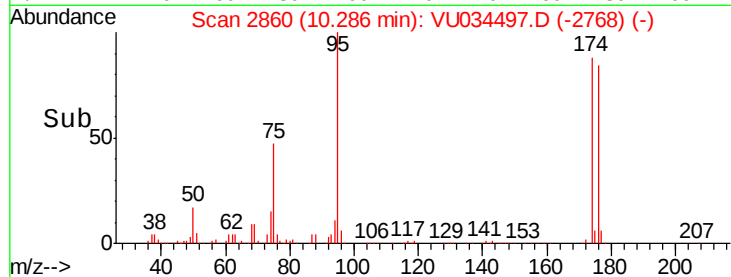
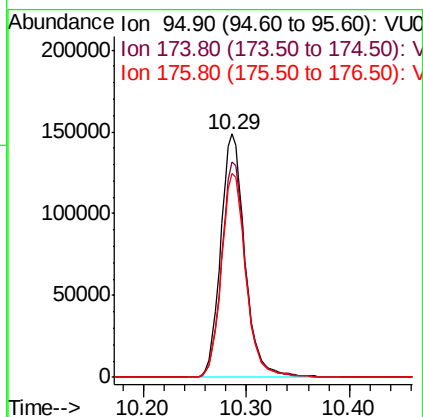
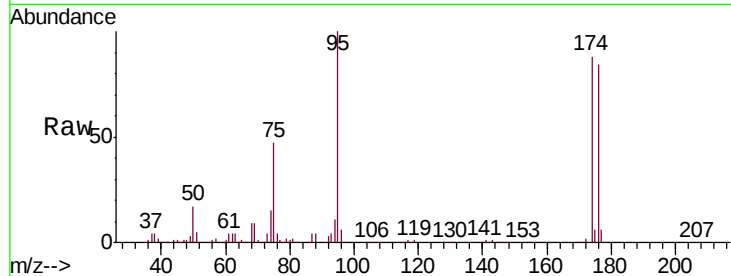




#62
4-Bromofluorobenzene
Concen: 47.911 ug/l
RT: 10.29 min Scan# 2860
Delta R.T. -0.00 min
Lab File: VU034497.D
Acq: 12 Sep 2019 00:07

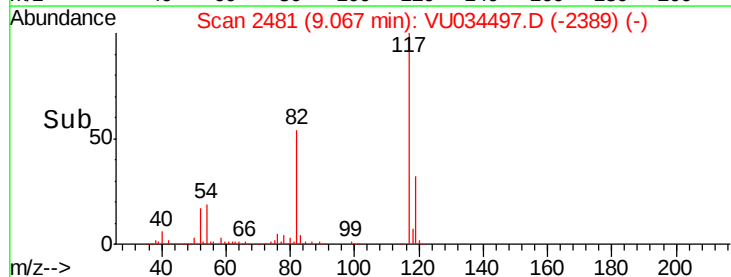
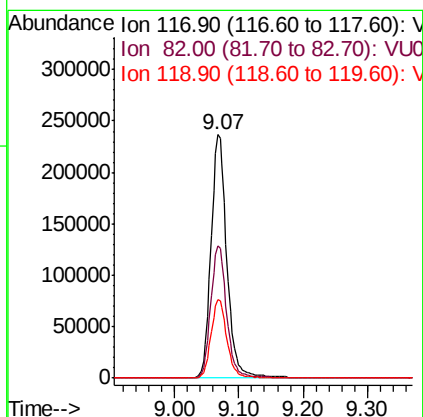
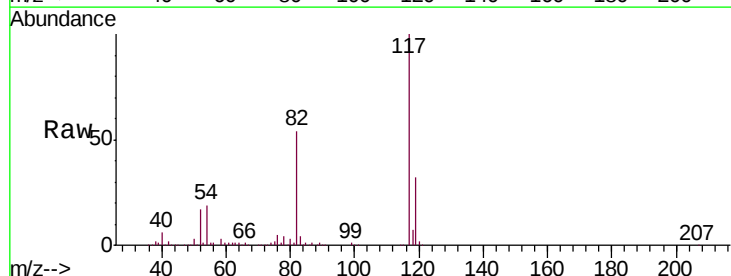
Instrument :
MSVOA_U
ClientSampleId :
T-11-A2-(4)

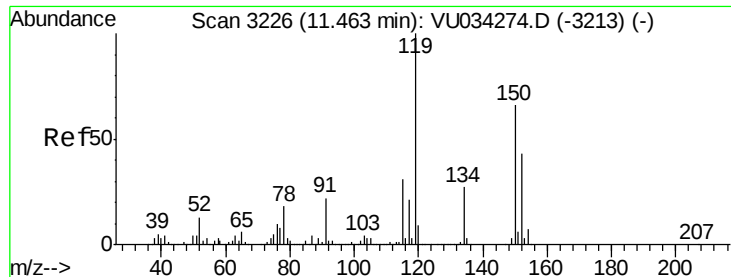
Tgt Ion: 95 Resp: 242031
Ion Ratio Lower Upper
95 100
174 89.7 0.0 175.2
176 84.5 0.0 168.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2481
Delta R.T. -0.00 min
Lab File: VU034497.D
Acq: 12 Sep 2019 00:07

Tgt Ion: 117 Resp: 402780
Ion Ratio Lower Upper
117 100
82 54.3 44.6 67.0
119 32.3 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: VU034497.D

Acq: 12 Sep 2019 00:07

Instrument :

MSVOA_U

ClientSampled :

T-11-A2-(4)

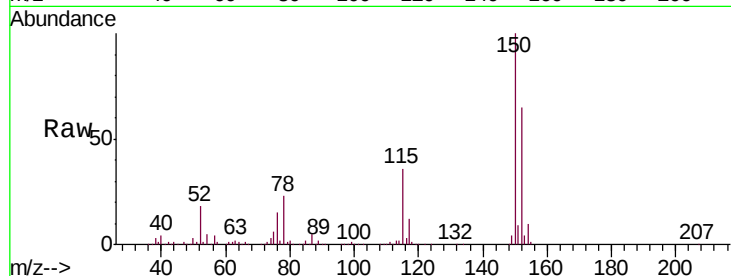
Tgt Ion:152 Resp: 223253

Ion Ratio Lower Upper

152 100

115 55.4 39.1 117.3

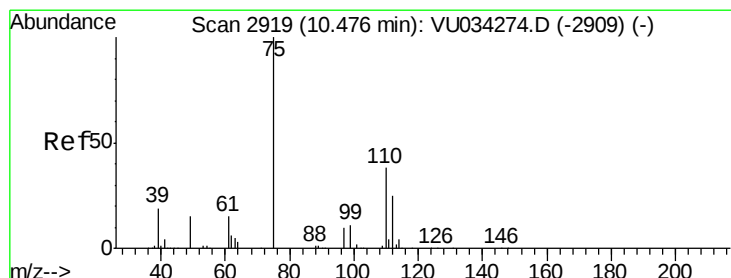
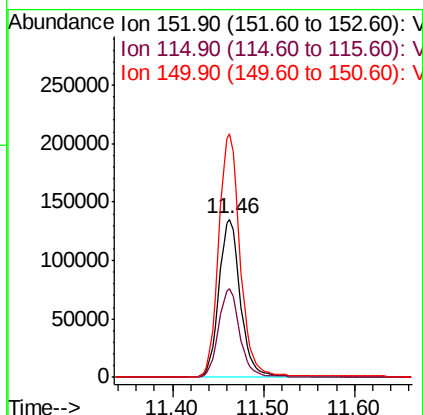
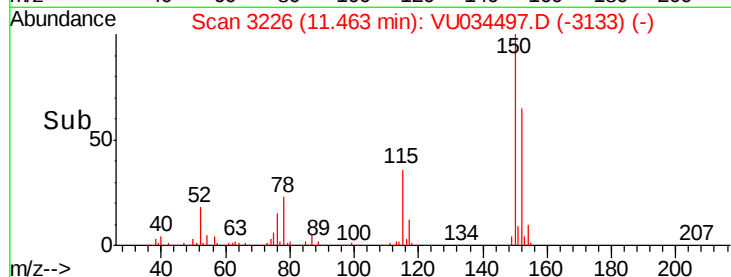
150 152.8 0.0 345.4



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: 23.522 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.19 min

Lab File: VU034497.D

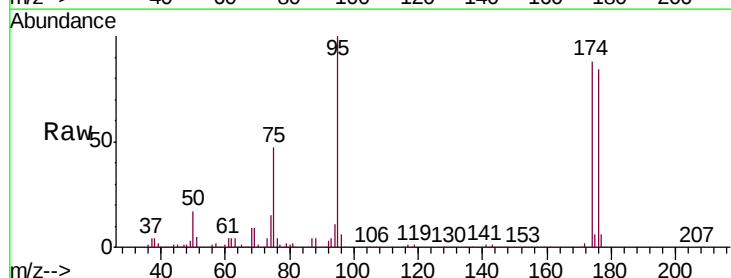
Acq: 12 Sep 2019 00:07

Tgt Ion: 75 Resp: 114630

Ion Ratio Lower Upper

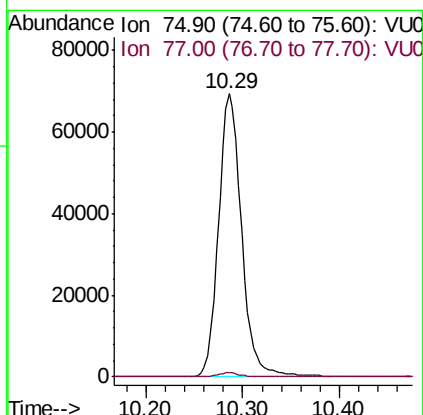
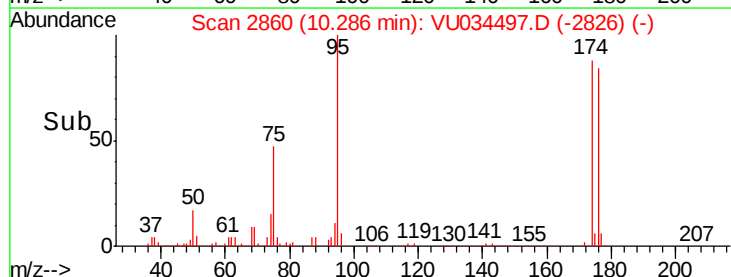
75 100

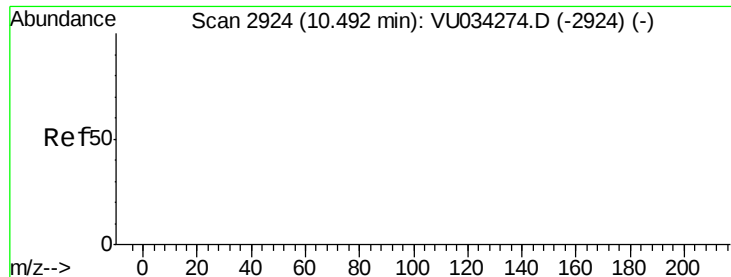
77 1.3 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#81

trans-1,4-Dichloro-2-butene

Concen: 79.104 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.21 min

Lab File: VU034497.D

Acq: 12 Sep 2019 00:07

Instrument :

MSVOA_U

ClientSampleId :

T-11-A2-(4)

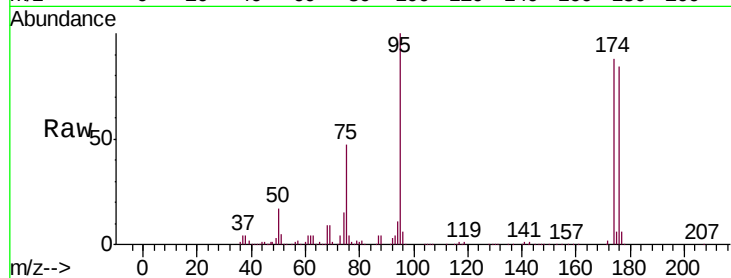
Tgt Ion: 75 Resp: 114630

Ion Ratio Lower Upper

75 100

53 0.1 0.0 0.0#

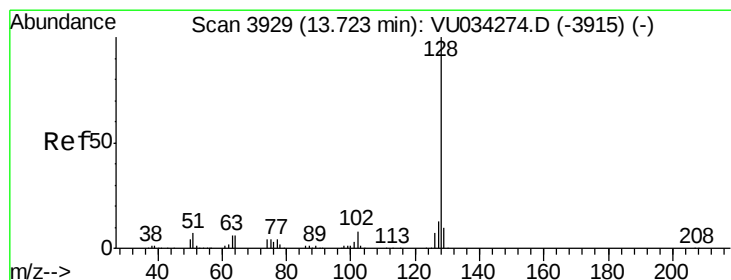
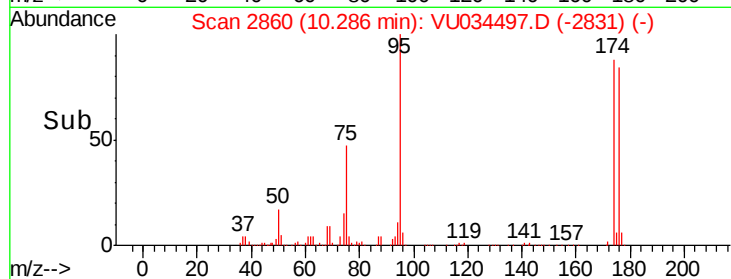
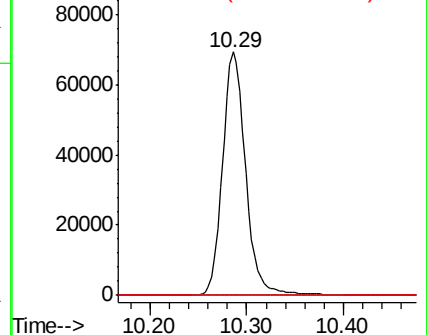
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU034497.D (-2860) (-)

Ion 53.00 (52.70 to 53.70): VU034497.D (-2860) (-)

Ion 88.90 (88.60 to 89.60): VU034497.D (-2860) (-)



#95

Naphthalene

Concen: 3.967 ug/l

RT: 13.79 min Scan# 3951

Delta R.T. 0.07 min

Lab File: VU034497.D

Acq: 12 Sep 2019 00:07

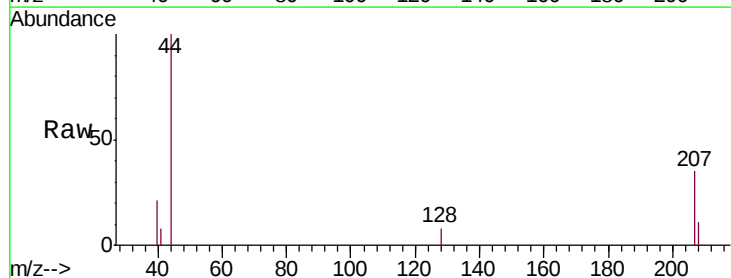
Tgt Ion: 128 Resp: 22

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.4 12.6#



Abundance Ion 128.00 (127.70 to 128.70): VU034497.D (-3929) (-)

Ion 127.00 (126.70 to 127.70): VU034497.D (-3929) (-)

Ion 129.00 (128.70 to 129.70): VU034497.D (-3929) (-)

