

Data File : VU034496.D
Acq On : 11 Sep 2019 23:44
Operator : JC/SP
Sample : K4624-25
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
T-11-A1-(4)

Quant Time: Sep 12 04:47:00 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	243092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	369339	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	391424	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	206301	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	223184	60.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.36%	
35) Dibromofluoromethane	4.86	113	191794	55.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.62%	
50) Toluene-d8	7.55	98	684195	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	
62) 4-Bromofluorobenzene	10.29	95	225565	45.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.50%	

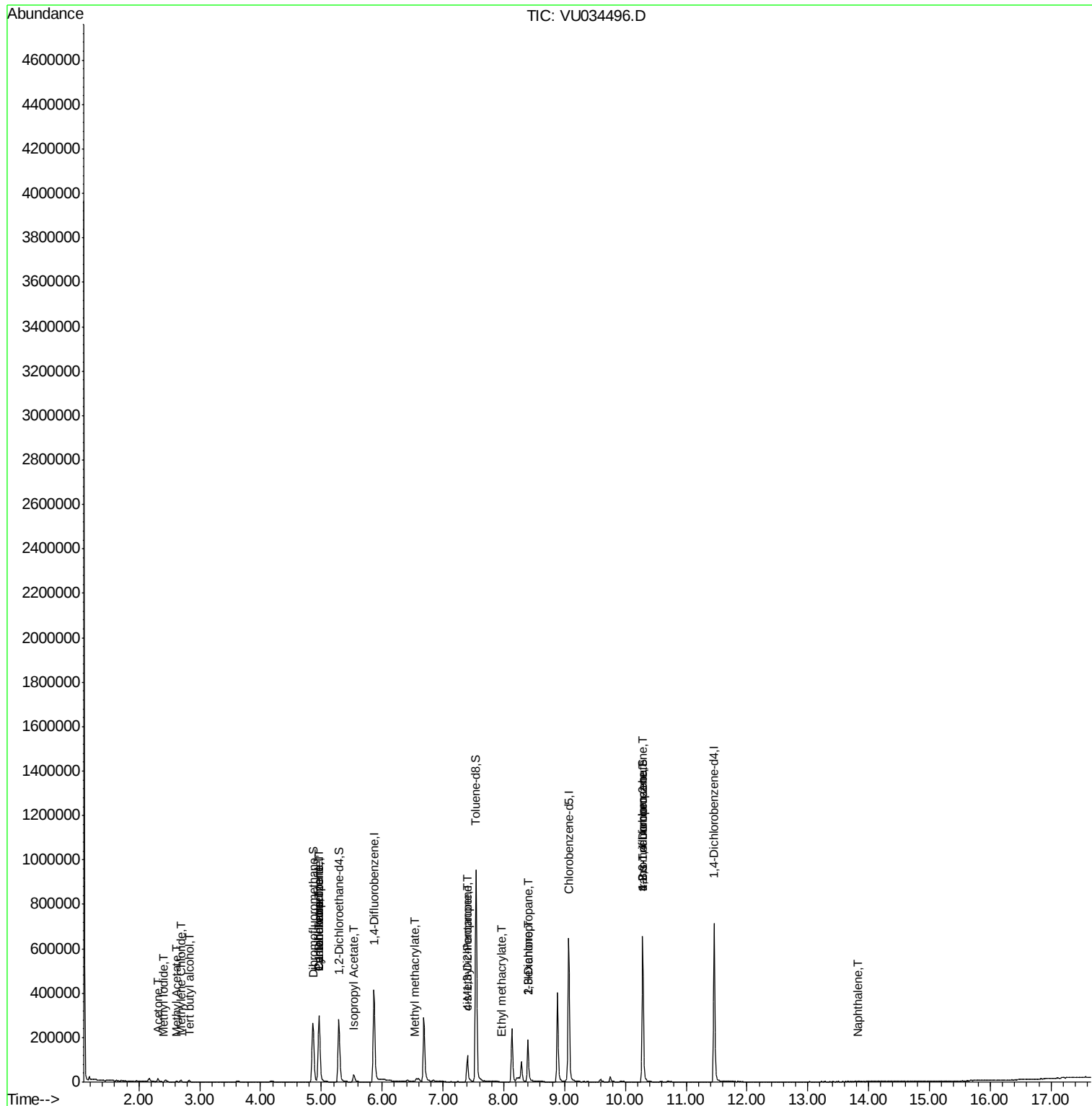
Target Compounds			Qvalue			
5) Bromomethane	1.63	94	466	Below Cal	#	61
6) Chloroethane	1.69	64	98	Below Cal	#	43
10) Methyl Iodide	2.39	142	21	3.854	ug/l #	43
11) Tert butyl alcohol	2.82	59	4349	5.597	ug/l #	73
16) Acetone	2.31	43	17770	9.336	ug/l	99
18) Methyl Acetate	2.61	43	3317	0.716	ug/l #	90
20) Methylene Chloride	2.69	84	3793	0.824	ug/l	86
31) Cyclohexane	4.96	56	3968	0.921	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	17288	4.316	ug/l #	48
38) Carbon Tetrachloride	4.96	117	21763	5.089	ug/l #	17
43) Isopropyl Acetate	5.53	43	41114	5.565	ug/l	99
48) Methyl methacrylate	6.53	41	3076	0.877	ug/l #	20
51) 4-Methyl-2-Pentanone	7.40	43	41056	8.028	ug/l #	46
54) cis-1,3-Dichloropropene	7.40	75	22617	4.072	ug/l #	68
56) Ethyl methacrylate	7.98	69	73	3.089	ug/l #	28
57) 1,3-Dichloropropane	8.40	76	2117	0.353	ug/l #	43
59) 2-Hexanone	8.40	43	28457	7.449	ug/l #	54
76) 1,2,3-Trichloropropane	10.29	75	107828	23.945	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.29	75	107828	80.525	ug/l #	100
95) Naphthalene	13.82	128	20	3.967	ug/l #	69

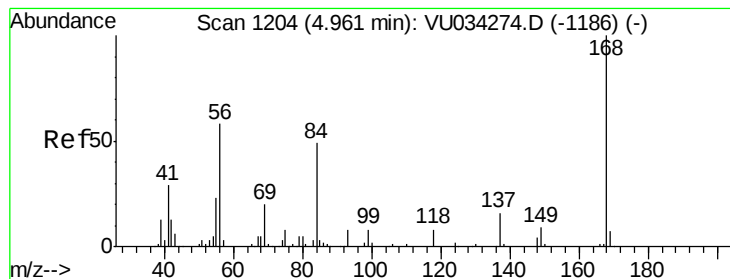
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU034496.D

Acq: 11 Sep 2019 23:44

Instrument :

MSVOA_U

ClientSampleId :

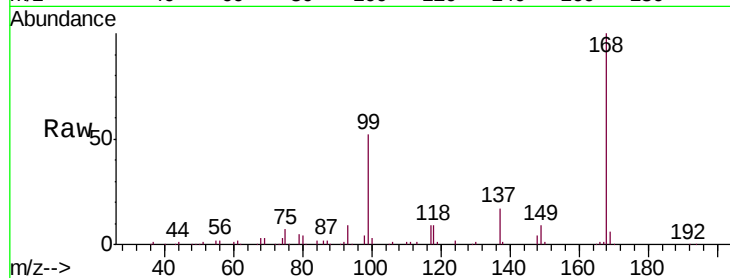
T-11-A1-(4)

Tgt Ion:168 Resp: 243092

Ion Ratio Lower Upper

168 100

99 51.7 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

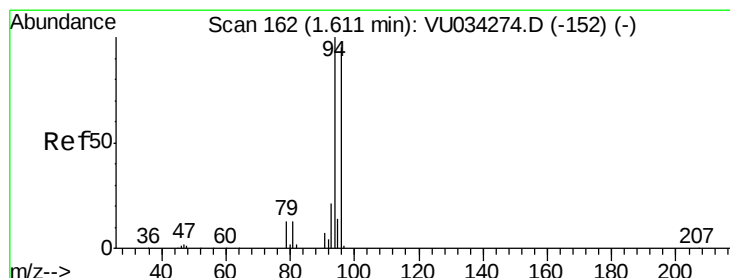
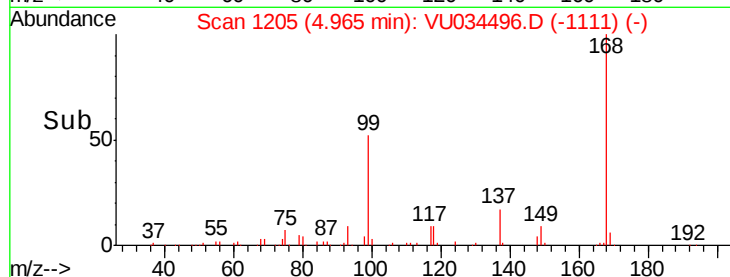
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 169

Delta R.T. 0.02 min

Lab File: VU034496.D

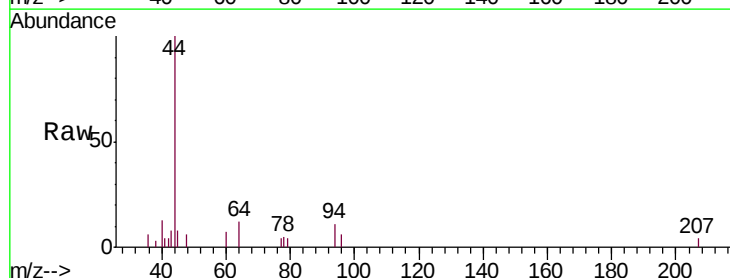
Acq: 11 Sep 2019 23:44

Tgt Ion: 94 Resp: 466

Ion Ratio Lower Upper

94 100

96 56.7 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

400

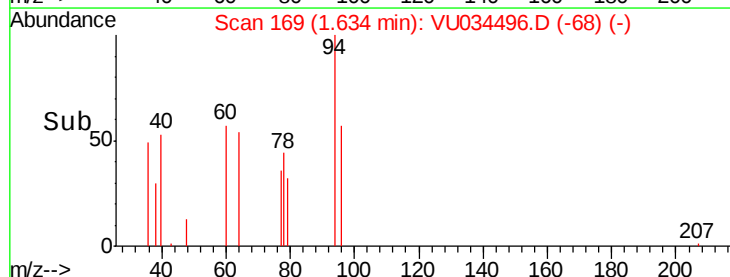
300

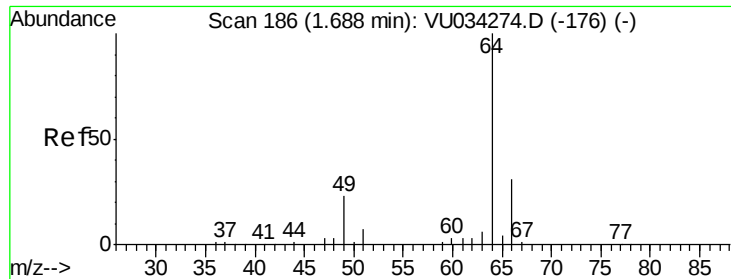
200

100

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU034496.D

Acq: 11 Sep 2019 23:44

Instrument :

MSVOA_U

ClientSampleId :

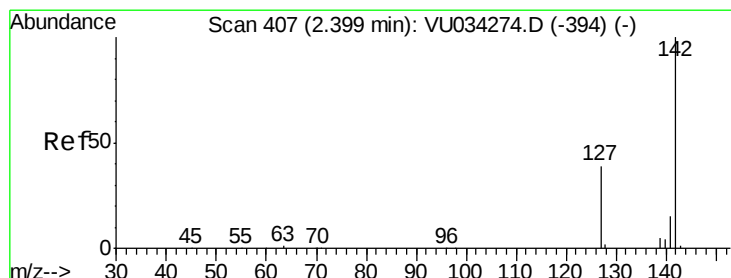
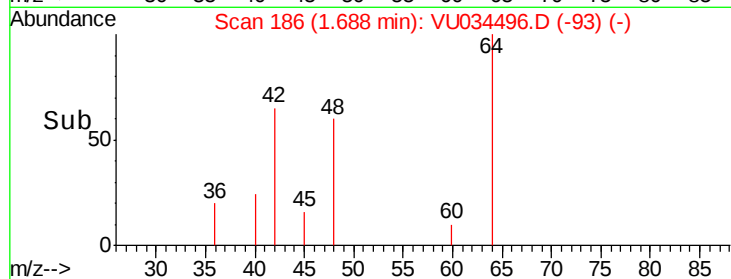
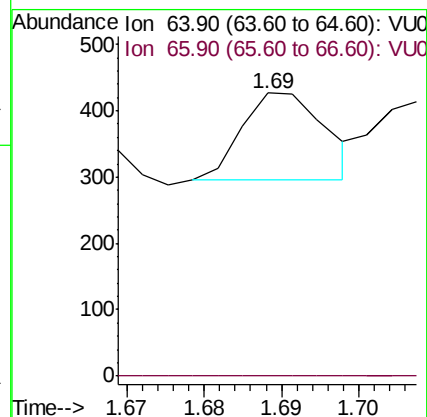
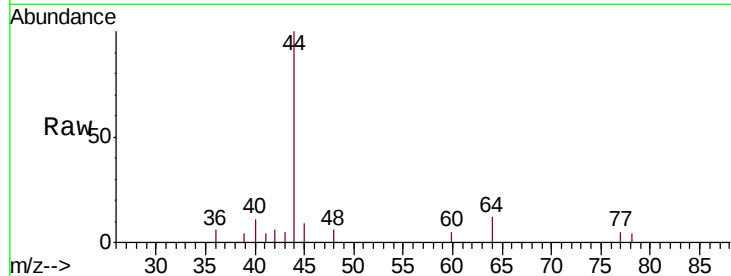
T-11-A1-(4)

Tgt Ion: 64 Resp: 98

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



#10

Methyl Iodide

Concen: 3.854 ug/l

RT: 2.39 min Scan# 405

Delta R.T. -0.01 min

Lab File: VU034496.D

Acq: 11 Sep 2019 23:44

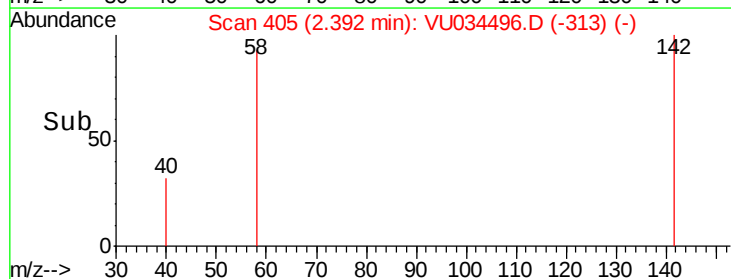
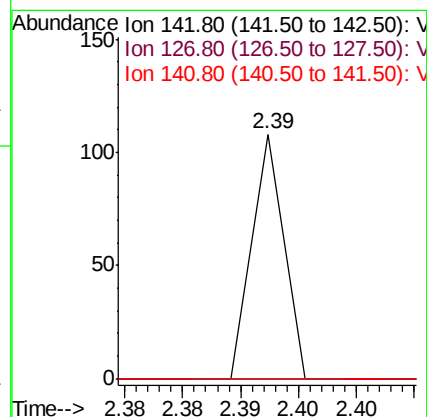
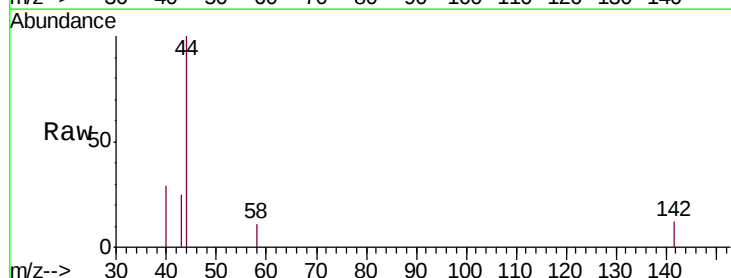
Tgt Ion: 142 Resp: 21

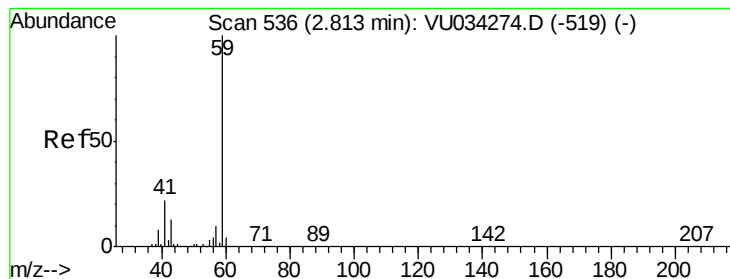
Ion Ratio Lower Upper

142 100

127 0.0 32.1 48.1#

141 0.0 11.5 17.3#



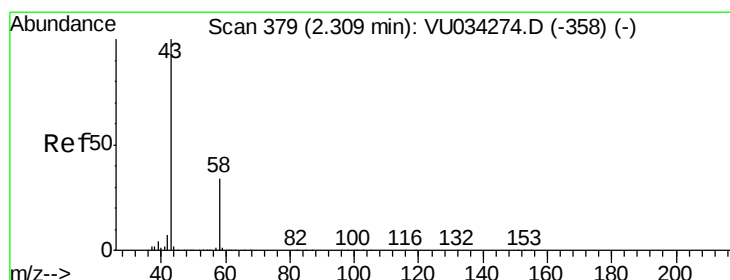
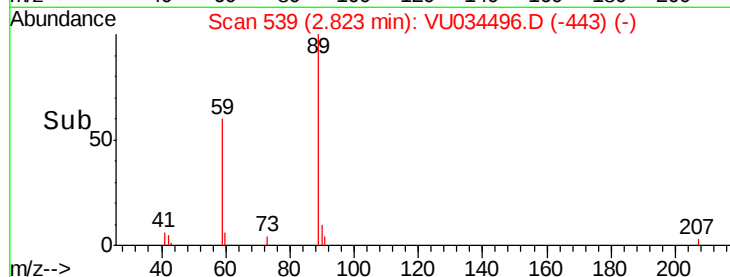
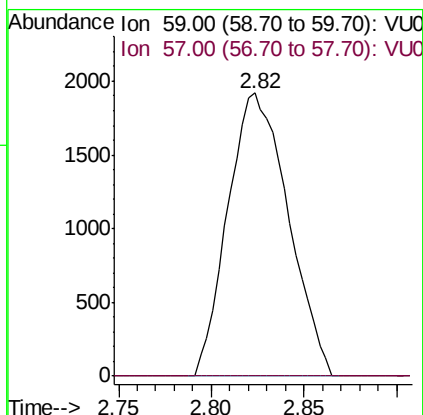
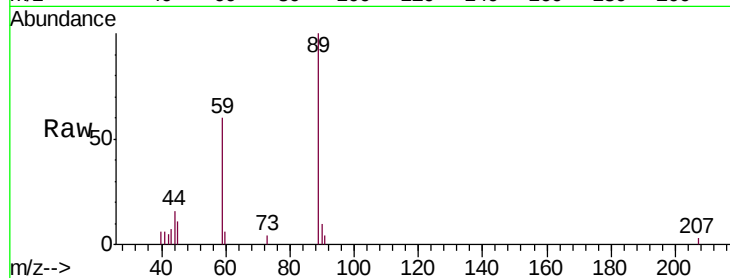


#11

Tert butyl alcohol
 Concen: 5.597 ug/l
 RT: 2.82 min Scan# 539
 Delta R.T. 0.01 min
 Lab File: VU034496.D
 Acq: 11 Sep 2019 23:44

Instrument :
 MSVOA_U
 ClientSampleId :
 T-11-A1-(4)

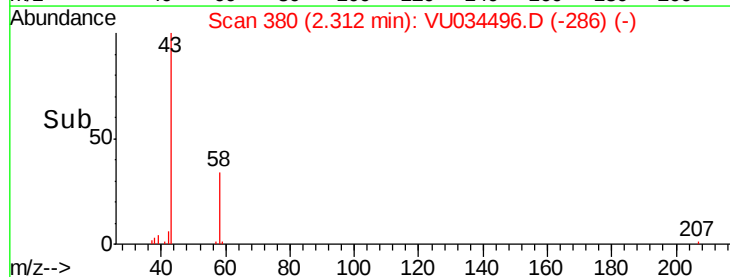
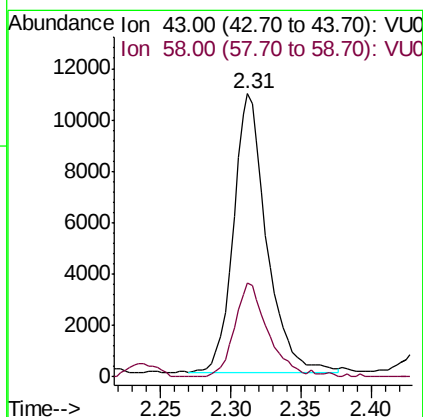
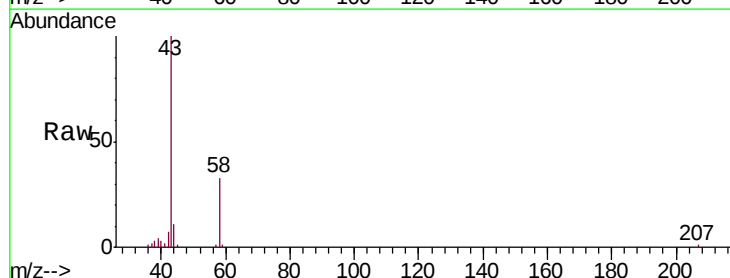
Tgt Ion: 59 Resp: 4349
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

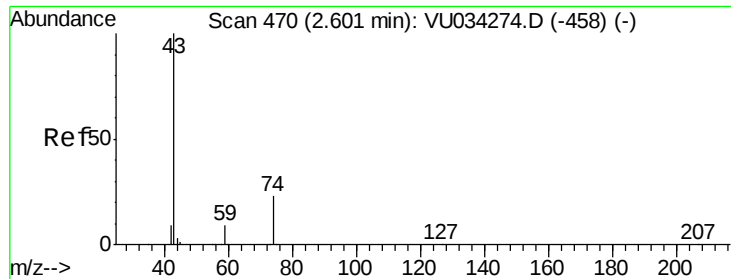


#16

Acetone
 Concen: 9.336 ug/l
 RT: 2.31 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VU034496.D
 Acq: 11 Sep 2019 23:44

Tgt Ion: 43 Resp: 17770
 Ion Ratio Lower Upper
 43 100
 58 33.7 27.6 41.4

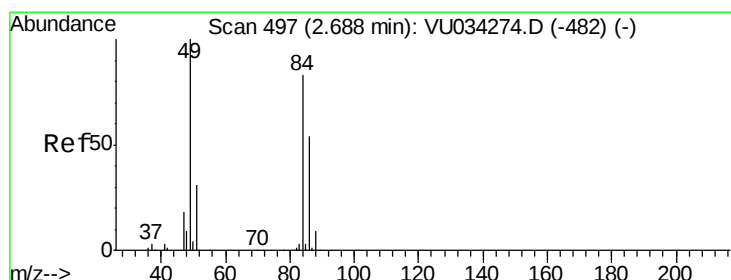
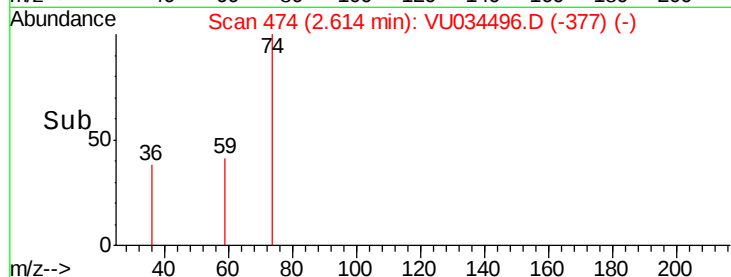
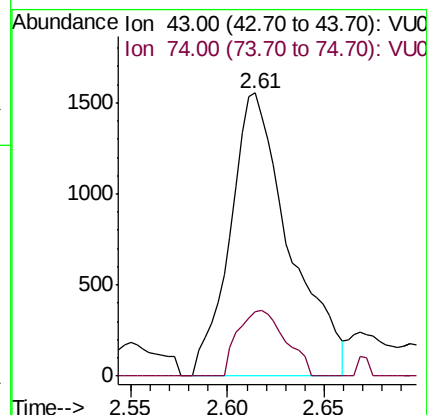
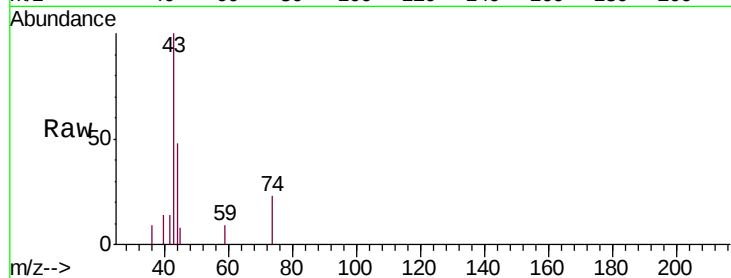




#18
Methyl Acetate
Concen: 0.716 ug/l
RT: 2.61 min Scan# 474
Delta R.T. 0.01 min
Lab File: VU034496.D
Acq: 11 Sep 2019 23:44

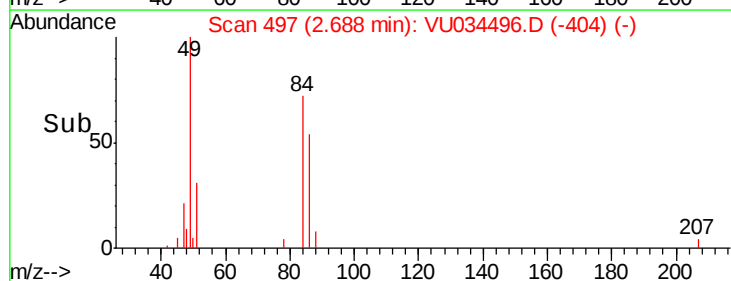
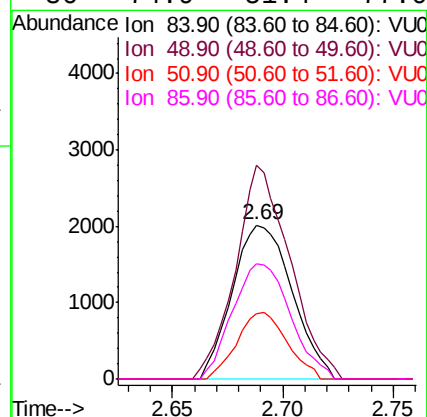
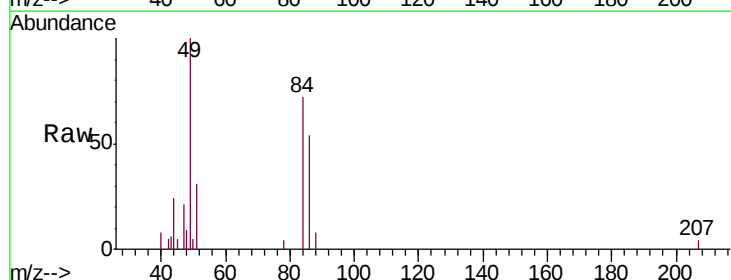
Instrument :
MSVOA_U
ClientSampleId :
T-11-A1-(4)

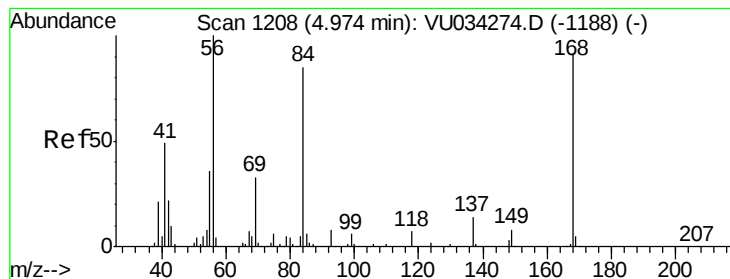
Tgt Ion: 43 Resp: 3317
Ion Ratio Lower Upper
43 100
74 18.6 18.9 28.3#



#20
Methylene Chloride
Concen: 0.824 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU034496.D
Acq: 11 Sep 2019 23:44

Tgt Ion: 84 Resp: 3793
Ion Ratio Lower Upper
84 100
49 138.7 96.0 144.0
51 42.4 30.0 45.0
86 74.9 51.4 77.0





#31

Cyclohexane

Concen: 0.921 ug/l

RT: 4.96 min Scan# 1203

Delta R.T. -0.02 min

Lab File: VU034496.D

Acq: 11 Sep 2019 23:44

Instrument :

MSVOA_U

ClientSampleId :

T-11-A1-(4)

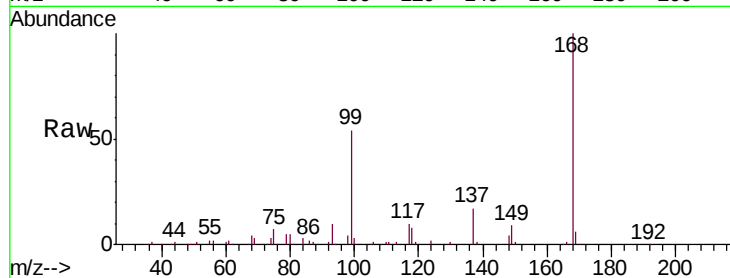
Tgt Ion: 56 Resp: 3968

Ion Ratio Lower Upper

56 100

69 162.3 26.7 40.1#

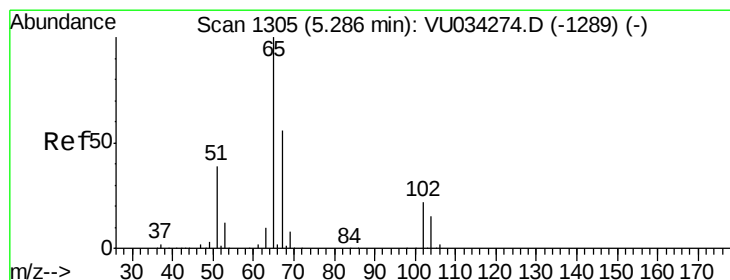
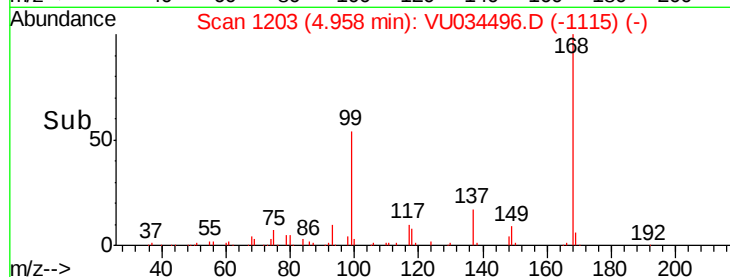
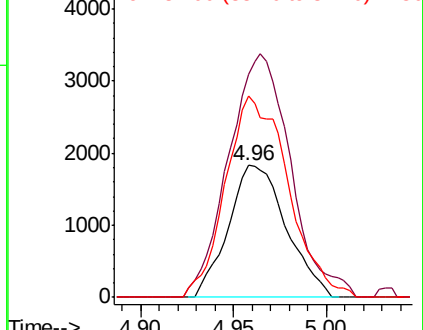
84 145.6 68.2 102.4#



Abundance Ion 56.00 (55.70 to 56.70): VU034496.D (-1188) (-)

Ion 69.00 (68.70 to 69.70): VU034496.D (-1188) (-)

Ion 84.00 (83.70 to 84.70): VU034496.D (-1188) (-)



#33

1,2-Dichloroethane-d4

Concen: 60.680 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU034496.D

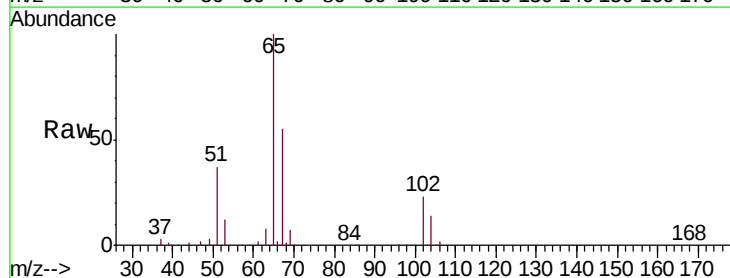
Acq: 11 Sep 2019 23:44

Tgt Ion: 65 Resp: 223184

Ion Ratio Lower Upper

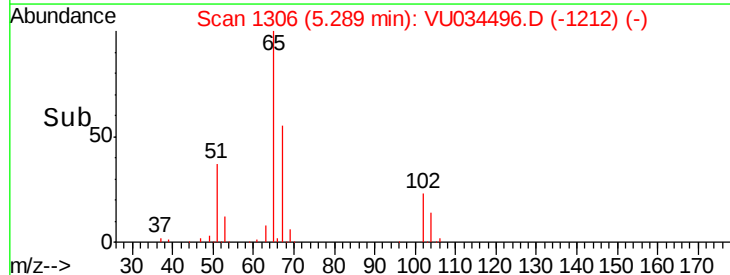
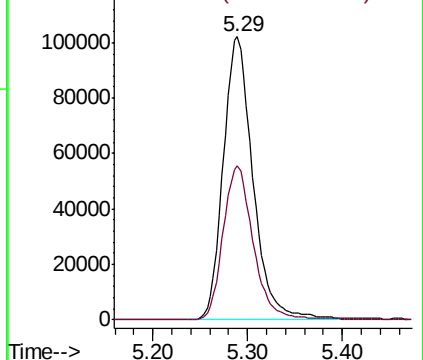
65 100

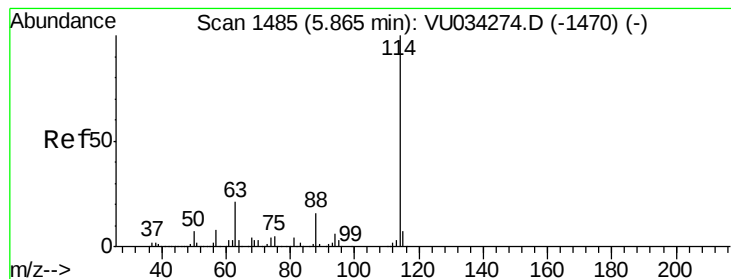
67 55.0 0.0 112.4



Abundance Ion 64.90 (64.60 to 65.60): VU034496.D (-1289) (-)

Ion 66.90 (66.60 to 67.60): VU034496.D (-1289) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.87 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VU034496.D

Acq: 11 Sep 2019 23:44

Instrument :

MSVOA_U

ClientSampleId :

T-11-A1-(4)

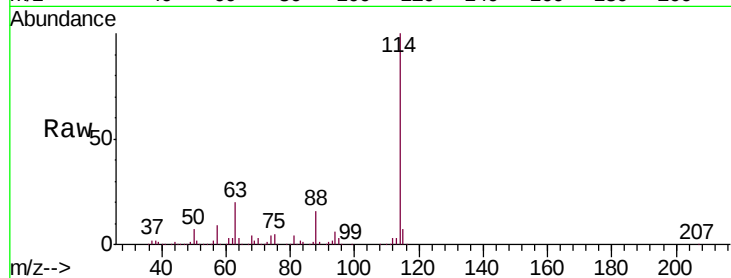
Tgt Ion:114 Resp: 369339

Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.4

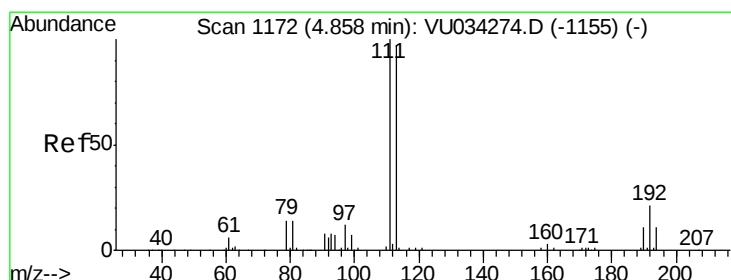
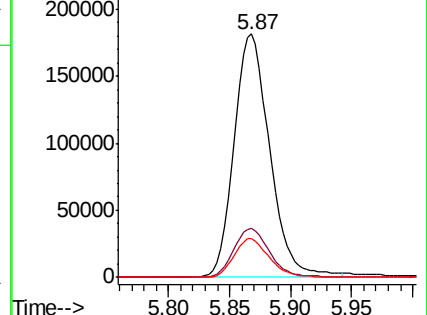
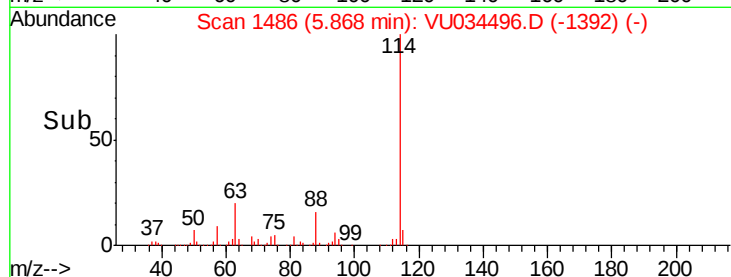
88 15.9 0.0 32.4



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: 55.807 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034496.D

Acq: 11 Sep 2019 23:44

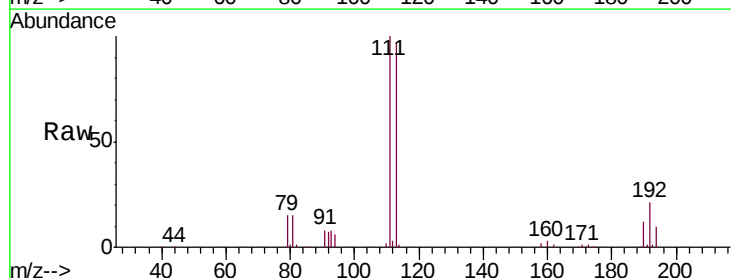
Tgt Ion:113 Resp: 191794

Ion Ratio Lower Upper

113 100

111 104.6 81.5 122.3

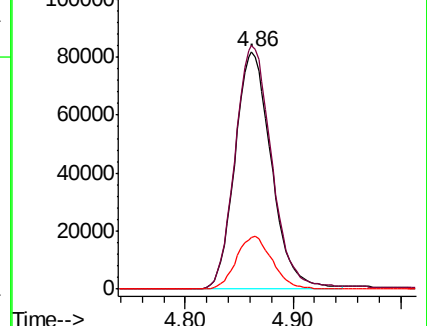
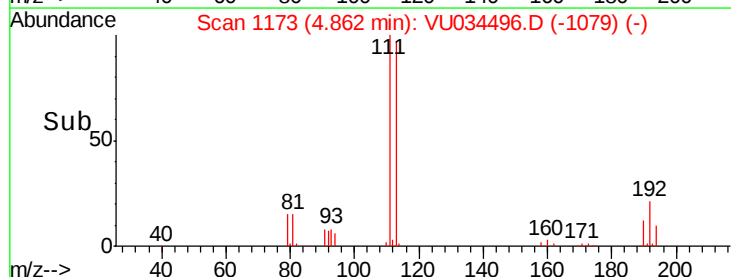
192 22.1 17.8 26.8

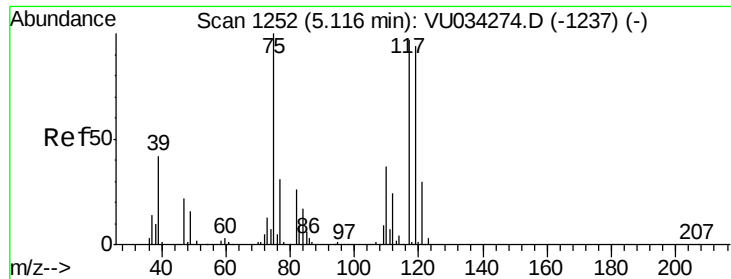


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

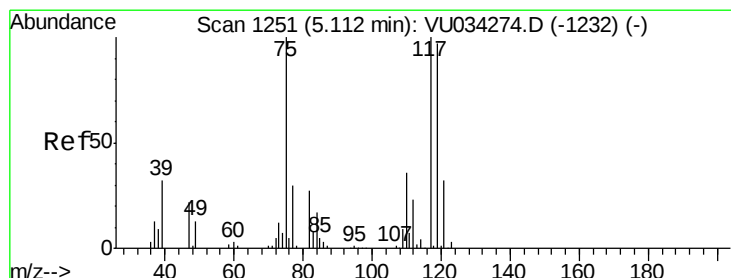
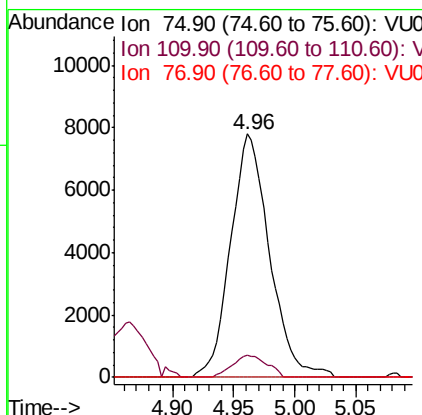
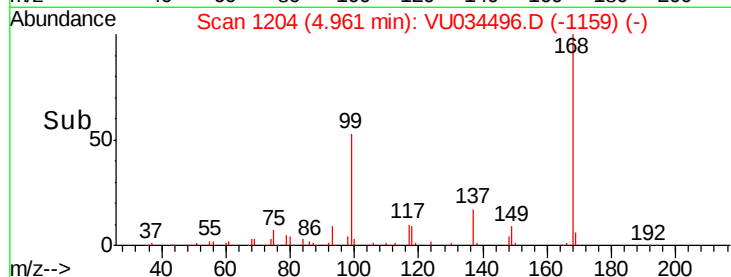
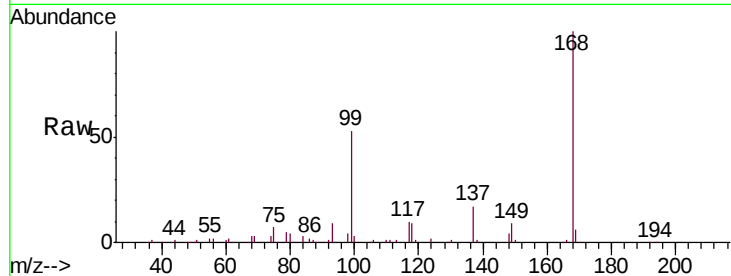




#36
 1,1-Dichloropropene
 Concen: 4.316 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034496.D
 Acq: 11 Sep 2019 23:44

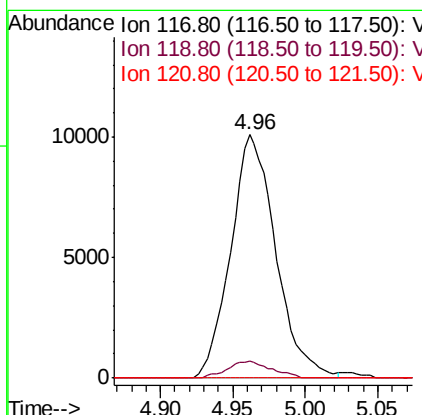
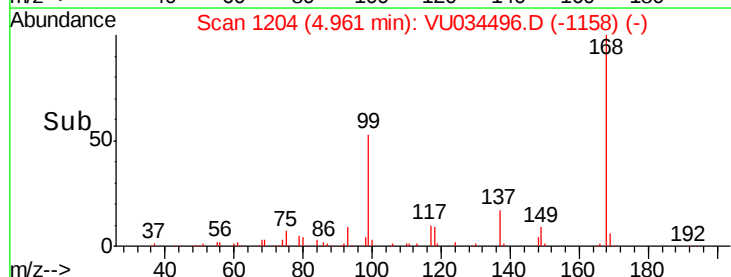
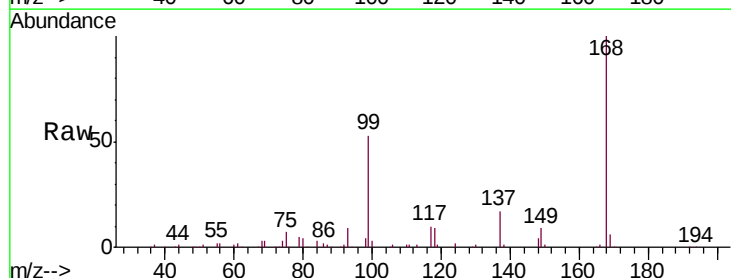
Instrument :
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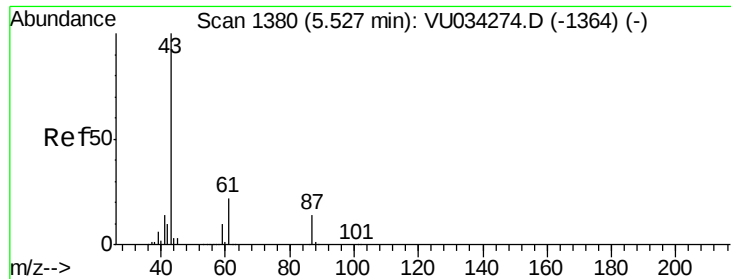
Tgt Ion: 75 Resp: 17288
 Ion Ratio Lower Upper
 75 100
 110 8.1 18.3 54.9#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 5.089 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034496.D
 Acq: 11 Sep 2019 23:44

Tgt Ion: 117 Resp: 21763
 Ion Ratio Lower Upper
 117 100
 119 6.8 77.8 116.6#
 121 0.0 25.2 37.8#

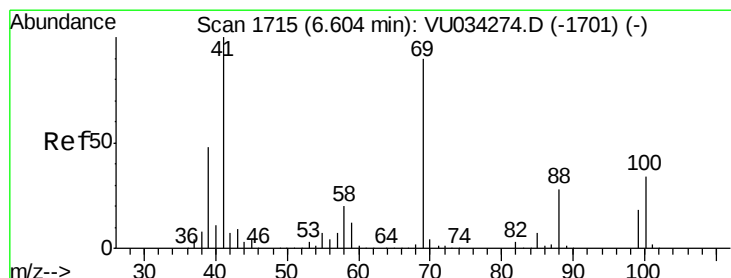
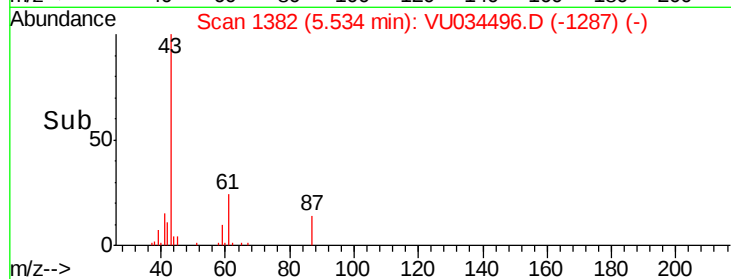
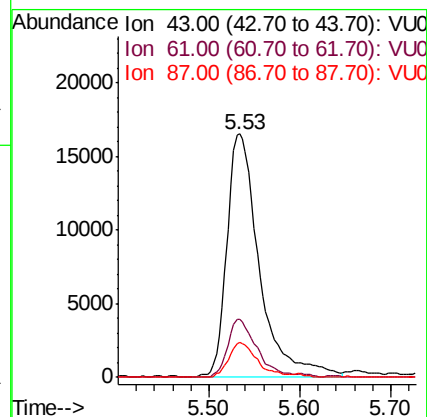
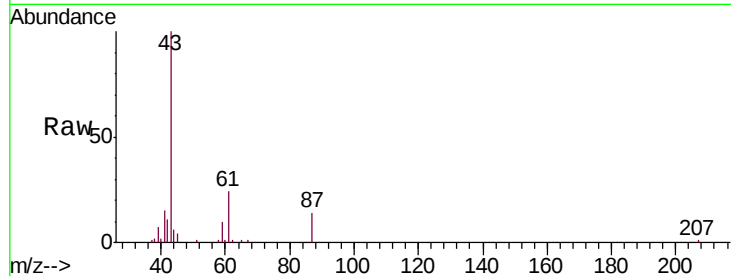




#43
Isopropyl Acetate
Concen: 5.565 ug/l
RT: 5.53 min Scan# 1382
Delta R.T. 0.01 min
Lab File: VU034496.D
Acq: 11 Sep 2019 23:44

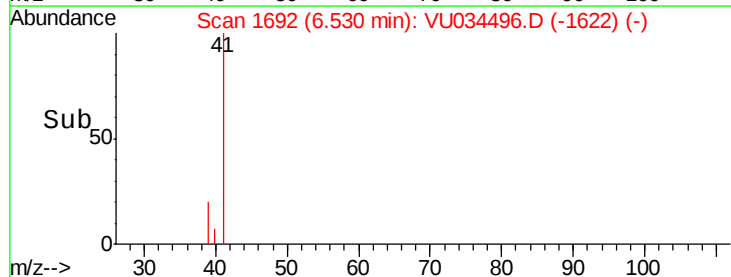
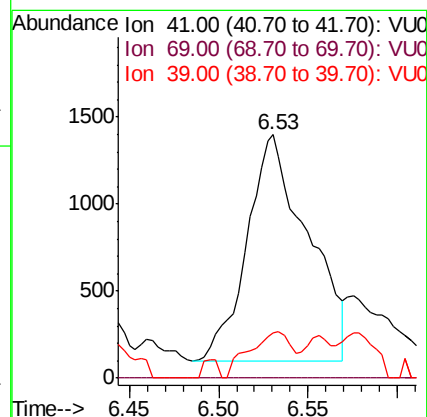
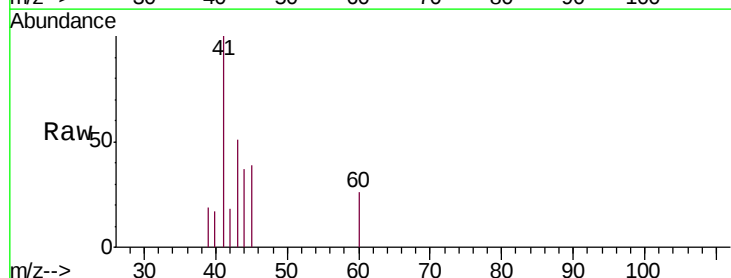
Instrument :
MSVOA_U
ClientSampleId :
T-11-A1-(4)

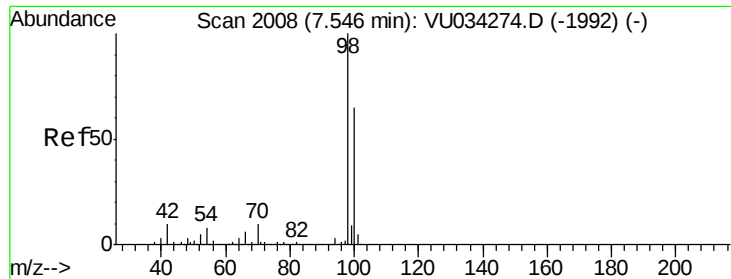
Tgt Ion: 43 Resp: 41114
Ion Ratio Lower Upper
43 100
61 21.3 17.1 25.7
87 12.6 11.1 16.7



#48
Methyl methacrylate
Concen: 0.877 ug/l
RT: 6.53 min Scan# 1692
Delta R.T. -0.07 min
Lab File: VU034496.D
Acq: 11 Sep 2019 23:44

Tgt Ion: 41 Resp: 3076
Ion Ratio Lower Upper
41 100
69 0.0 72.8 109.2#
39 14.3 38.6 58.0#

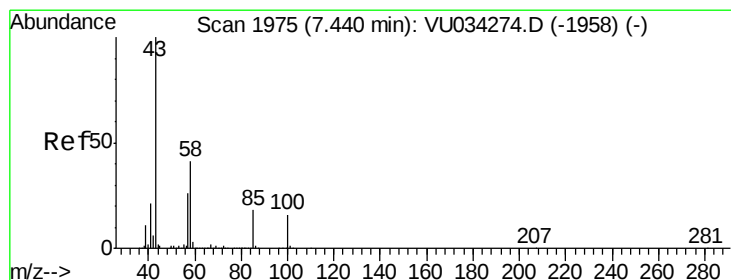
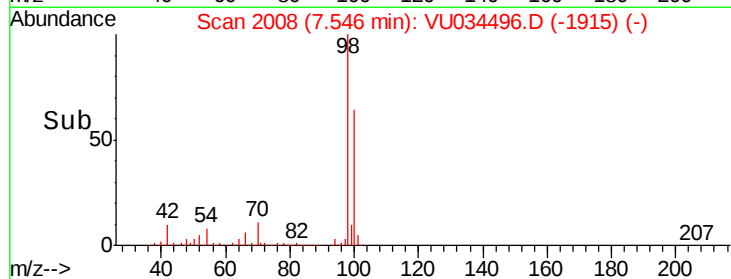
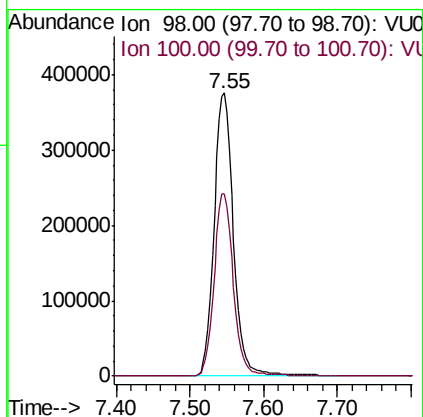
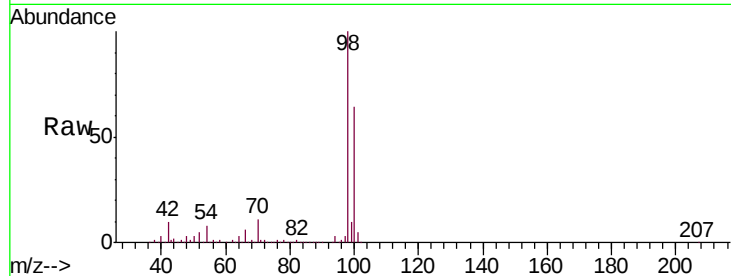




#50
Toluene-d8
Concen: 52.990 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034496.D
Acq: 11 Sep 2019 23:44

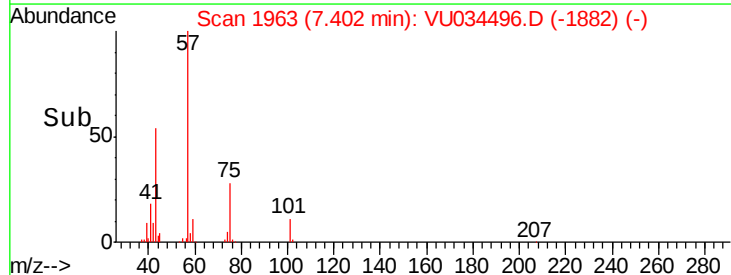
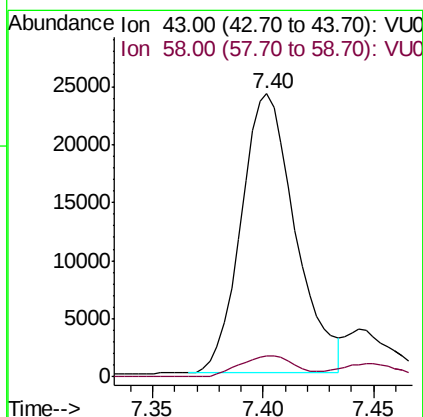
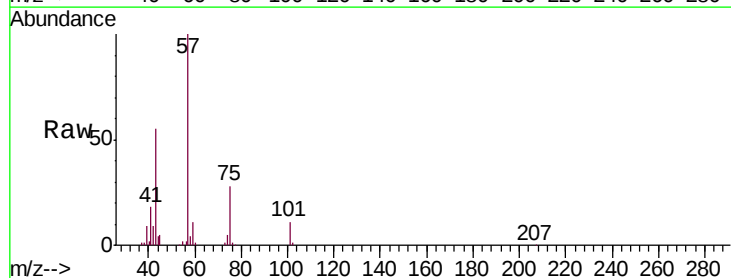
Instrument :
MSVOA_U
ClientSampleId :
T-11-A1-(4)

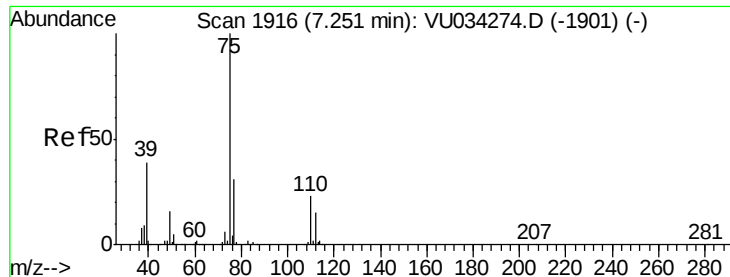
Tgt Ion: 98 Resp: 684195
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 8.028 ug/l
RT: 7.40 min Scan# 1963
Delta R.T. -0.04 min
Lab File: VU034496.D
Acq: 11 Sep 2019 23:44

Tgt Ion: 43 Resp: 41056
Ion Ratio Lower Upper
43 100
58 7.7 33.0 49.4#





#54

cis-1,3-Dichloropropene

Concen: 4.072 ug/l

RT: 7.40 min Scan# 1963

Delta R.T. 0.15 min

Lab File: VU034496.D

Acq: 11 Sep 2019 23:44

Instrument :

MSVOA_U

ClientSampleId :

T-11-A1-(4)

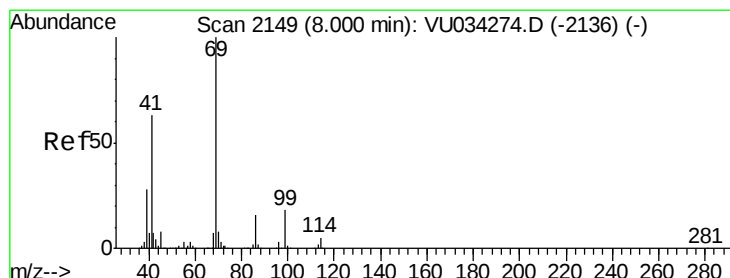
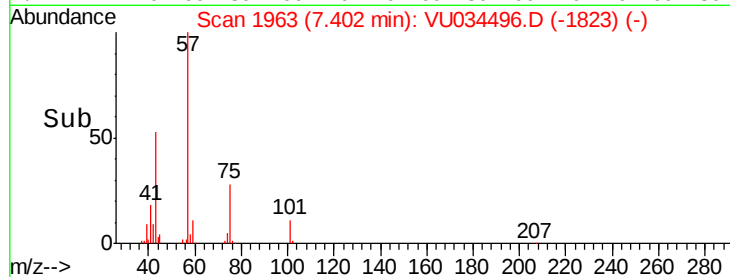
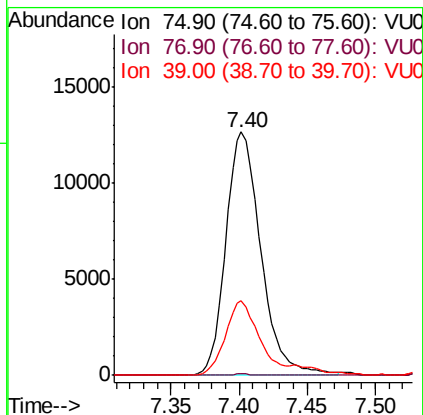
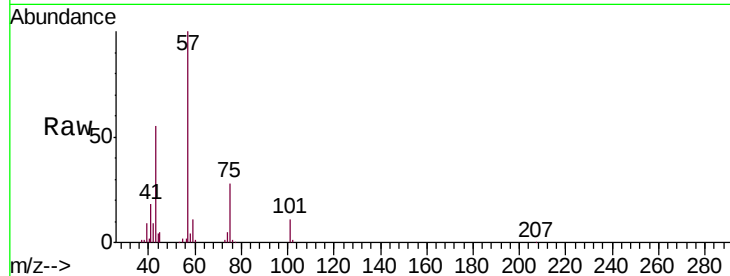
Tgt Ion: 75 Resp: 22617

Ion Ratio Lower Upper

75 100

77 0.9 25.1 37.7#

39 30.5 31.2 46.8#



#56

Ethyl methacrylate

Concen: 3.089 ug/l

RT: 7.98 min Scan# 2143

Delta R.T. -0.02 min

Lab File: VU034496.D

Acq: 11 Sep 2019 23:44

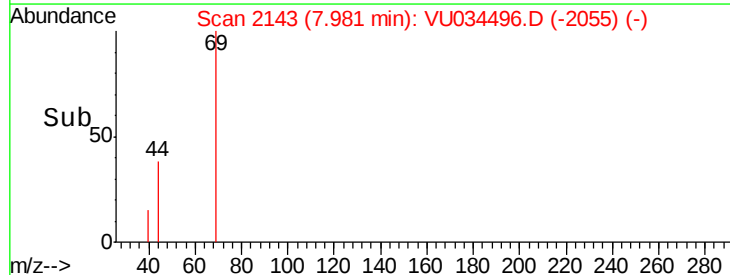
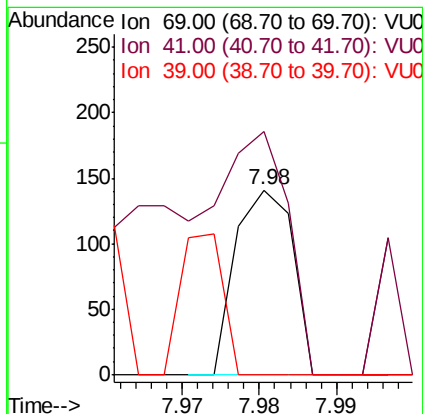
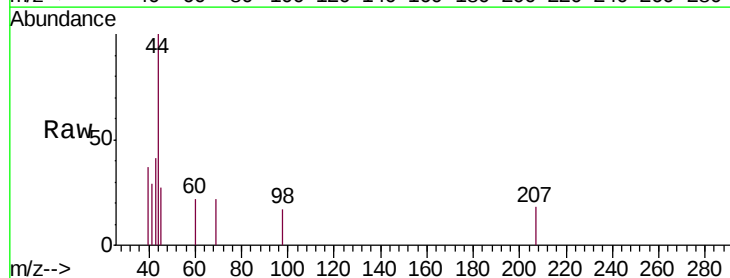
Tgt Ion: 69 Resp: 73

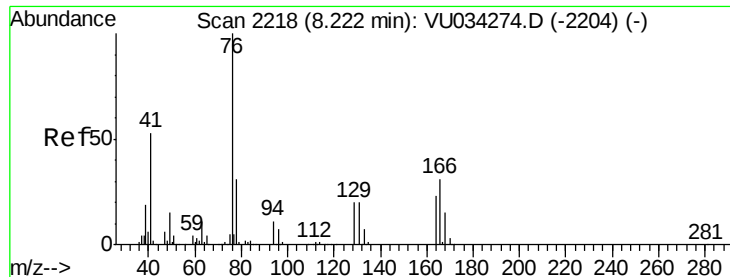
Ion Ratio Lower Upper

69 100

41 0.0 49.5 74.3#

39 0.0 22.5 33.7#





#57

1,3-Dichloropropane

Concen: 0.353 ug/l

RT: 8.40 min Scan# 2272

Delta R.T. 0.17 min

Lab File: VU034496.D

Acq: 11 Sep 2019 23:44

Instrument :

MSVOA_U

ClientSampleId :

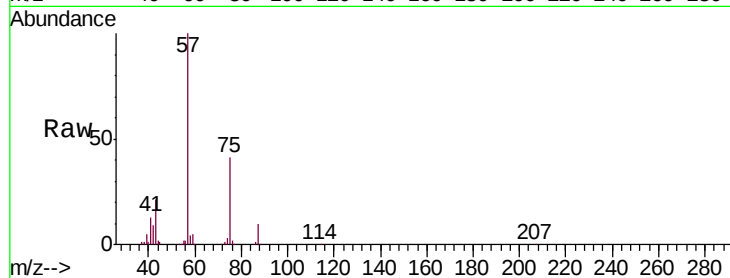
T-11-A1-(4)

Tgt Ion: 76 Resp: 2117

Ion Ratio Lower Upper

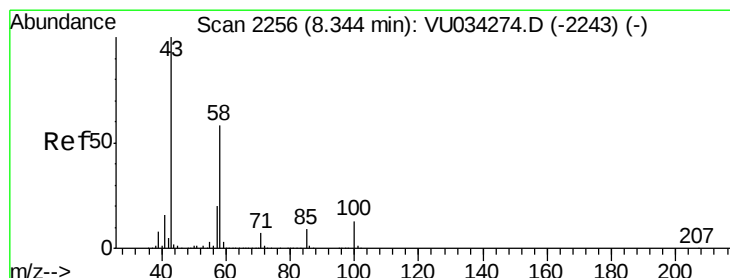
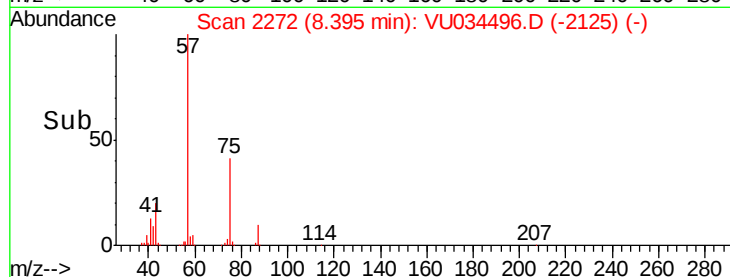
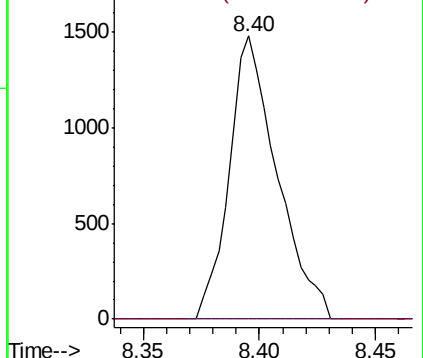
76 100

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: 7.449 ug/l

RT: 8.40 min Scan# 2273

Delta R.T. 0.05 min

Lab File: VU034496.D

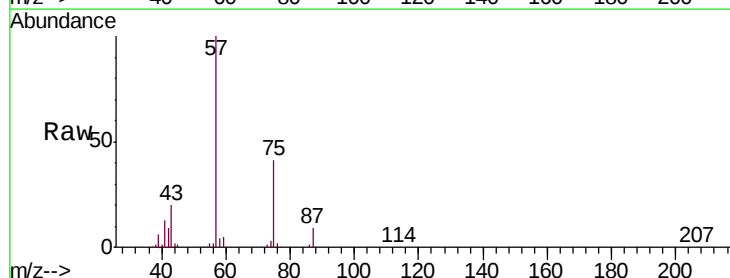
Acq: 11 Sep 2019 23:44

Tgt Ion: 43 Resp: 28457

Ion Ratio Lower Upper

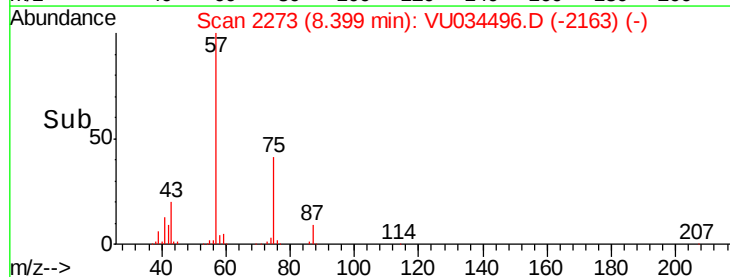
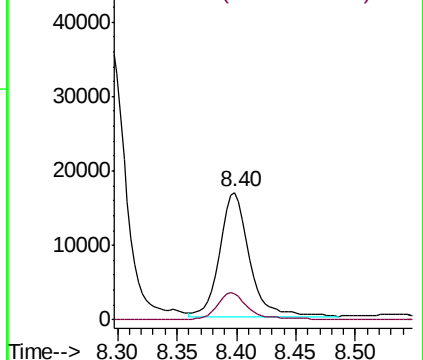
43 100

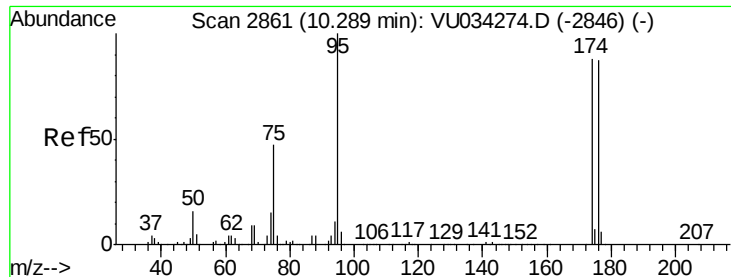
58 23.4 28.8 86.5#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

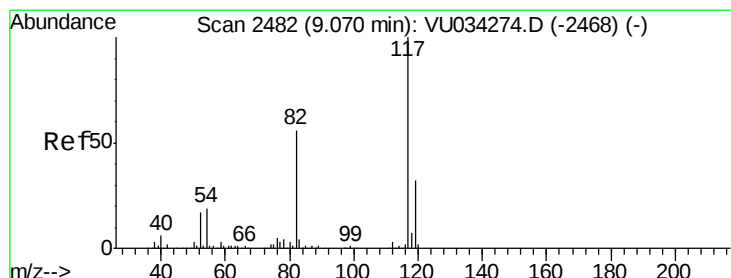
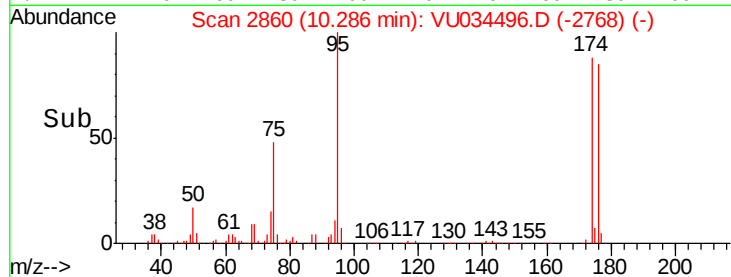
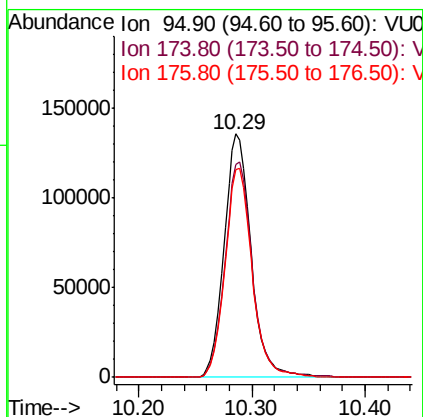
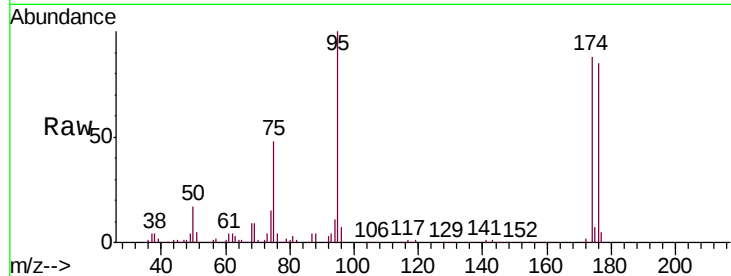




#62
4-Bromofluorobenzene
Concen: 45.247 ug/l
RT: 10.29 min Scan# 2860
Delta R.T. -0.00 min
Lab File: VU034496.D
Acq: 11 Sep 2019 23:44

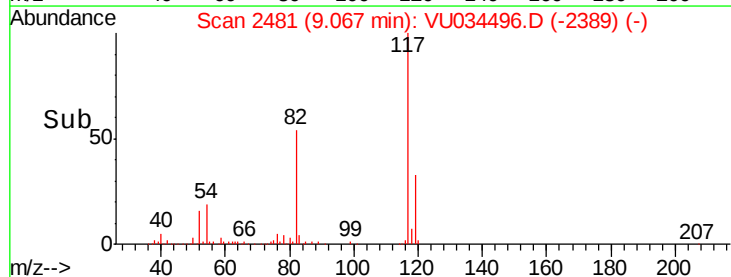
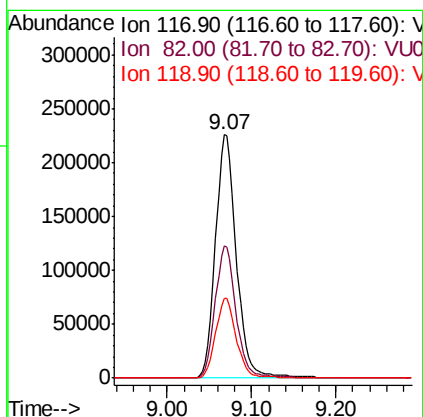
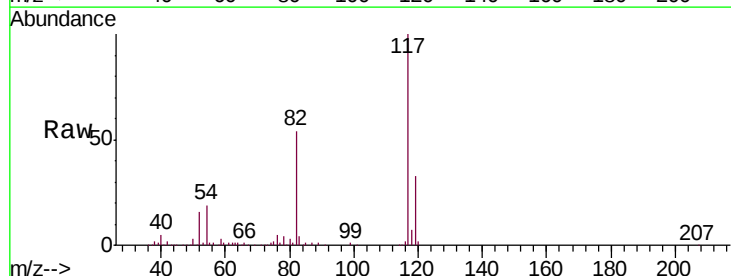
Instrument :
MSVOA_U
ClientSampleId :
T-11-A1-(4)

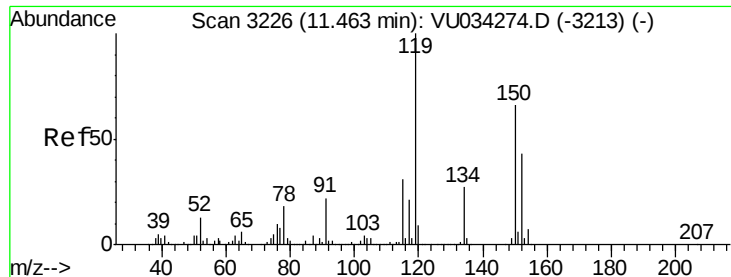
Tgt Ion: 95 Resp: 225565
Ion Ratio Lower Upper
95 100
174 89.7 0.0 175.2
176 86.1 0.0 168.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2481
Delta R.T. -0.00 min
Lab File: VU034496.D
Acq: 11 Sep 2019 23:44

Tgt Ion: 117 Resp: 391424
Ion Ratio Lower Upper
117 100
82 54.3 44.6 67.0
119 32.5 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: VU034496.D

Acq: 11 Sep 2019 23:44

Instrument :

MSVOA_U

ClientSampleId :

T-11-A1-(4)

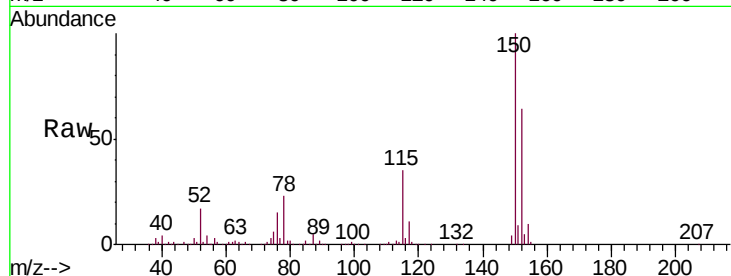
Tgt Ion:152 Resp: 206301

Ion Ratio Lower Upper

152 100

115 55.8 39.1 117.3

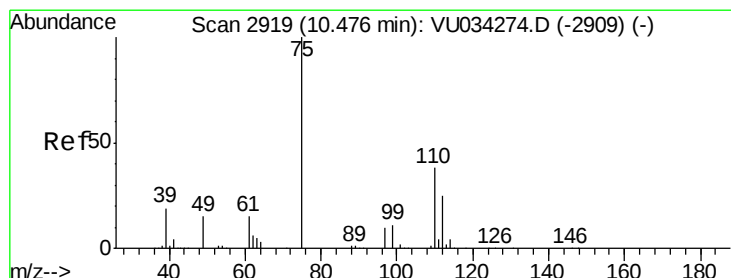
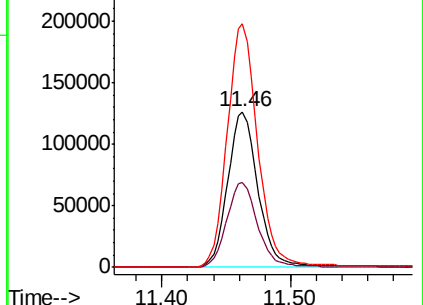
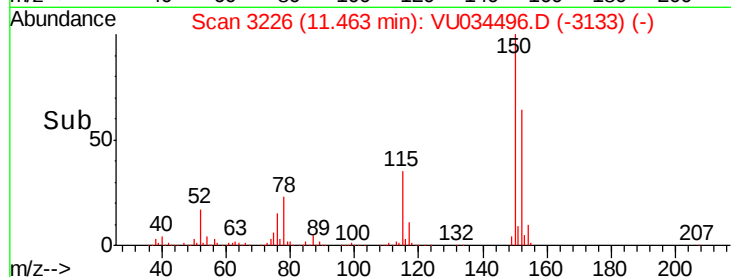
150 158.4 0.0 345.4



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: 23.945 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.19 min

Lab File: VU034496.D

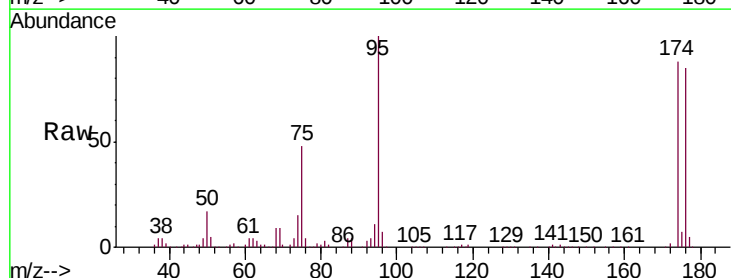
Acq: 11 Sep 2019 23:44

Tgt Ion: 75 Resp: 107828

Ion Ratio Lower Upper

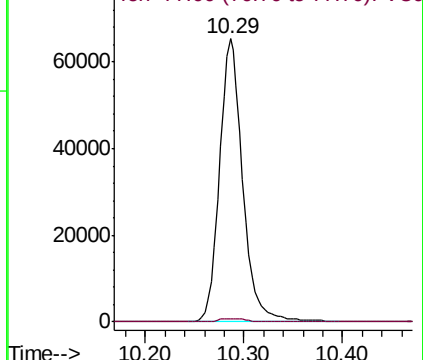
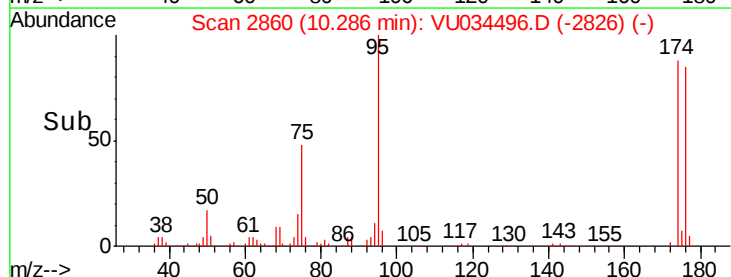
75 100

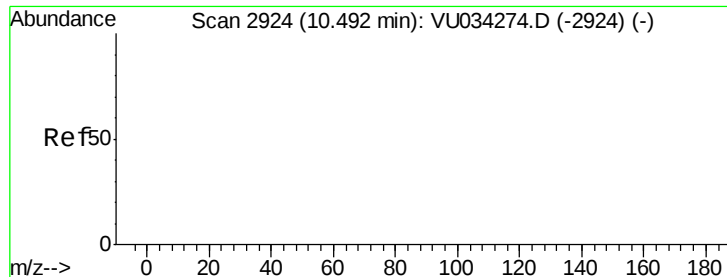
77 1.3 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

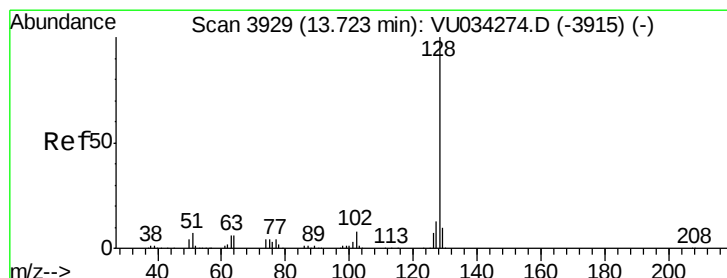
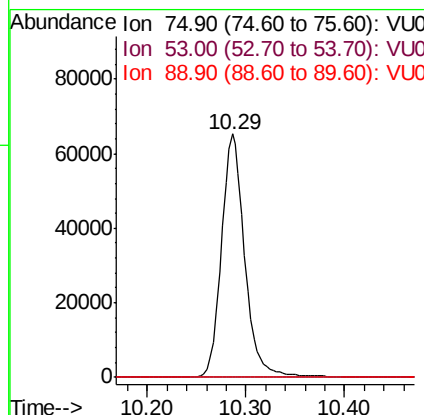
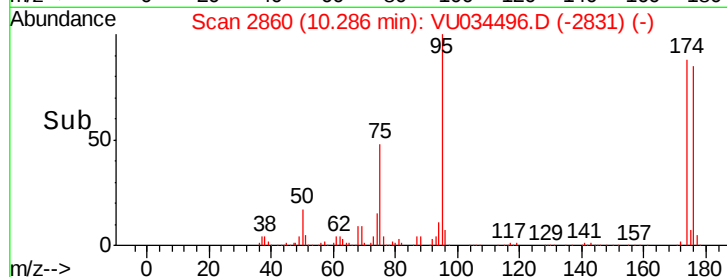
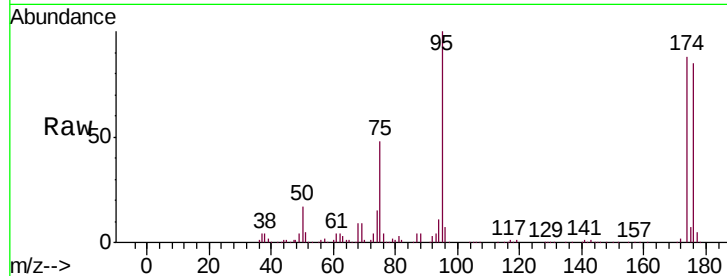




#81
trans-1,4-Dichloro-2-butene
Concen: 80.525 ug/l
RT: 10.29 min Scan# 2860
Delta R.T. -0.21 min
Lab File: VU034496.D
Acq: 11 Sep 2019 23:44

Instrument :
MSVOA_U
ClientSampleId :
T-11-A1-(4)

Tgt Ion: 75 Resp: 107828
Ion Ratio Lower Upper
75 100
53 0.2 0.0 0.0#
89 0.0 0.0 0.0



#95
Naphthalene
Concen: 3.967 ug/l
RT: 13.82 min Scan# 3960
Delta R.T. 0.10 min
Lab File: VU034496.D
Acq: 11 Sep 2019 23:44

Tgt Ion: 128 Resp: 20
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.4 12.6#

