

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091019\
 Data File : VU034453.D
 Acq On : 10 Sep 2019 15:57
 Operator : JC/SP
 Sample : K4602-26
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 T12-G3-(2.7)

Quant Time: Sep 11 05:56:10 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	224239	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	351164	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	375831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	200277	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	196207	57.83	ug/l	0.00
Spiked Amount			Recovery	=	115.66%	
35) Dibromofluoromethane	4.86	113	169349	51.83	ug/l	0.00
Spiked Amount			Recovery	=	103.66%	
50) Toluene-d8	7.55	98	617919	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	
62) 4-Bromofluorobenzene	10.29	95	208785	44.05	ug/l	0.00
Spiked Amount			Recovery	=	88.10%	

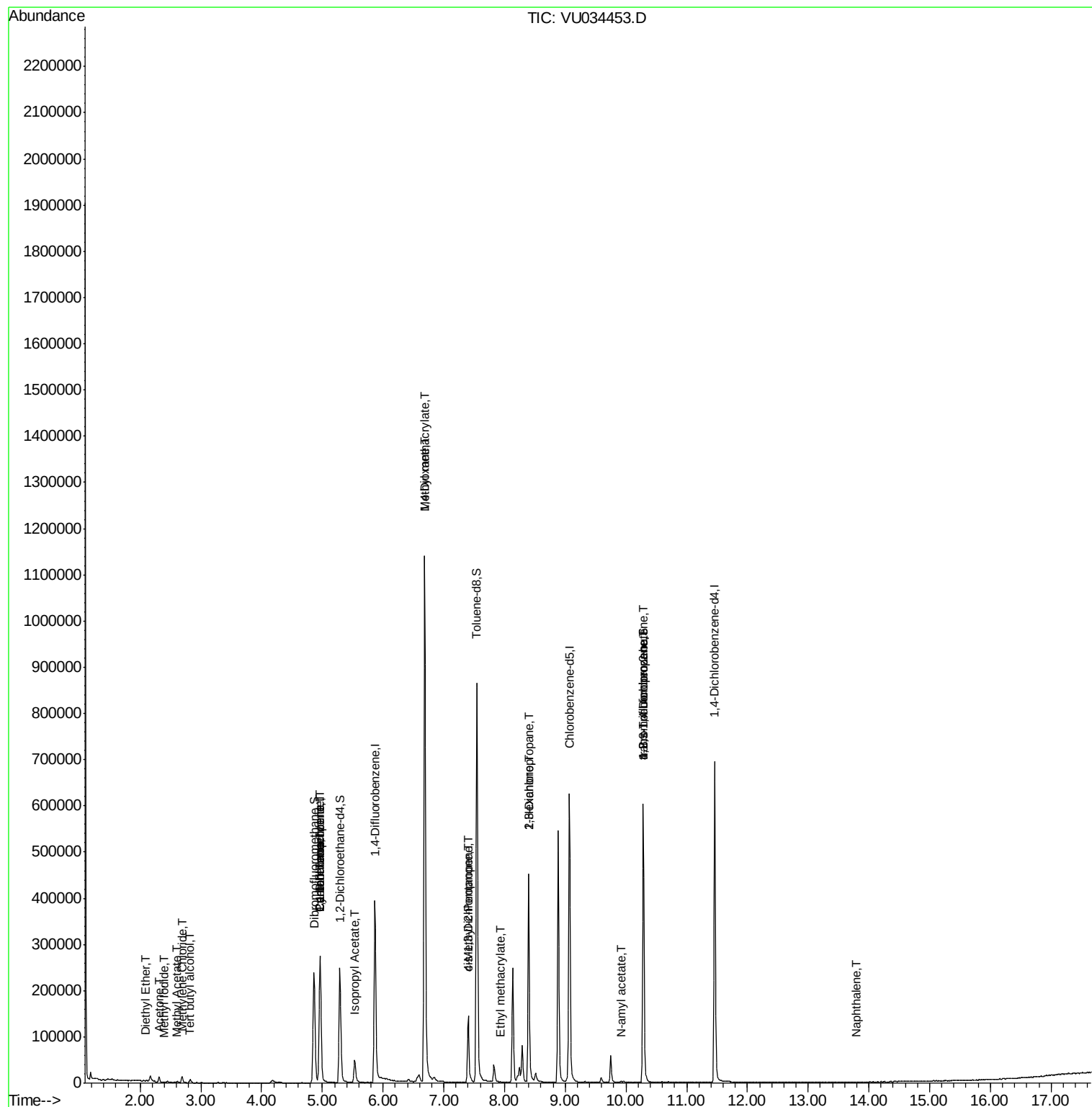
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	435	Below Cal		95
6) Chloroethane	1.68	64	37	Below Cal	#	43
8) Diethyl Ether	2.09	74	642	0.372	ug/l #	22
10) Methyl Iodide	2.41	142	111	3.890	ug/l #	43
11) Tert butyl alcohol	2.83	59	4084	5.698	ug/l #	73
16) Acetone	2.31	43	12437	7.084	ug/l	95
18) Methyl Acetate	2.61	43	4095	0.959	ug/l #	89
20) Methylene Chloride	2.69	84	6234	1.782	ug/l	93
31) Cyclohexane	4.96	56	3885	0.978	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	15273	4.010	ug/l #	49
38) Carbon Tetrachloride	4.96	117	20280	4.987	ug/l #	17
43) Isopropyl Acetate	5.53	43	59247	8.435	ug/l	99
48) Methyl methacrylate	6.69	41	101189	30.330	ug/l #	37
49) 1,4-Dioxane	6.68	88	174	2.388	ug/l #	1
51) 4-Methyl-2-Pentanone	7.40	43	48697	10.015	ug/l #	48
54) cis-1,3-Dichloropropene	7.40	75	26892	5.092	ug/l #	64
56) Ethyl methacrylate	7.92	69	137	3.101	ug/l #	28
57) 1,3-Dichloropropane	8.40	76	4818	0.845	ug/l #	43
59) 2-Hexanone	8.40	43	61110	16.824	ug/l #	52
74) N-amyl acetate	9.91	43	1418	0.270	ug/l #	45
76) 1,2,3-Trichloropropane	10.29	75	99175	22.686	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.29	75	99175	76.291	ug/l #	100
95) Naphthalene	13.79	128	40	3.969	ug/l #	69

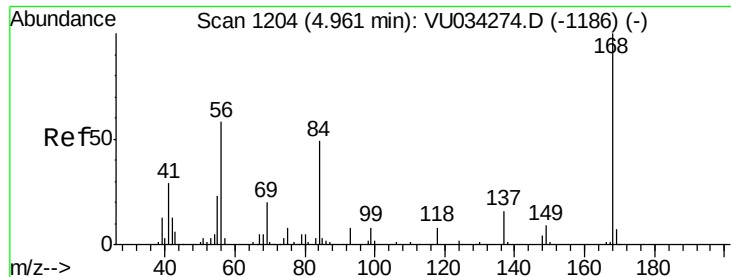
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU091019\
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Misc : 5.0mL/MSVOA_U/WATER
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Instrument :
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ClientSampleId :
T12-G3-(2.7)

Quant Time: Sep 11 05:56:10 2019
Quant Method : Z:\V0ASRV\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# 1205

Delta R.T. 0.00 min

Lab File: VU034453.D

Acq: 10 Sep 2019 15:57

Instrument :

MSVOA_U

ClientSampleId :

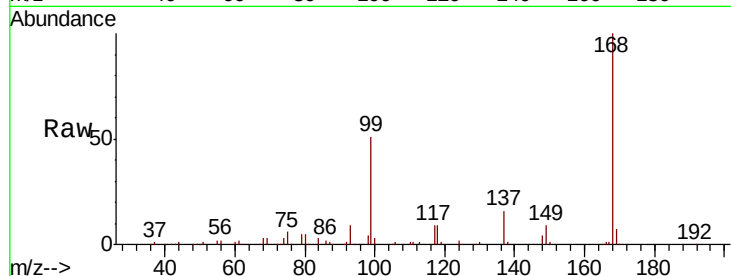
T12-G3-(2.7)

Tgt Ion:168 Resp: 224239

Ion Ratio Lower Upper

168 100

99 51.5 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

100000

80000

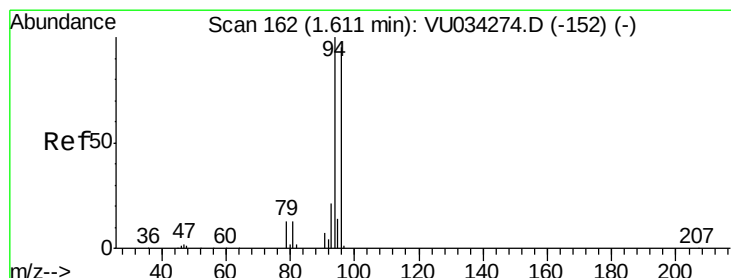
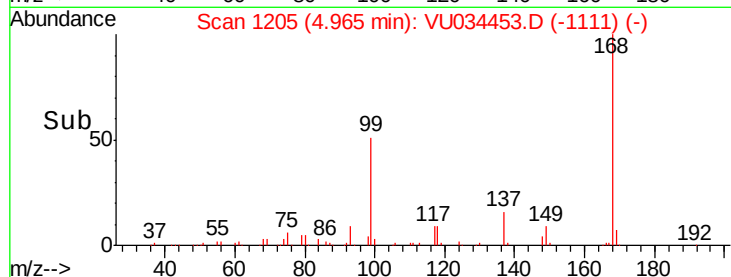
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 169

Delta R.T. 0.02 min

Lab File: VU034453.D

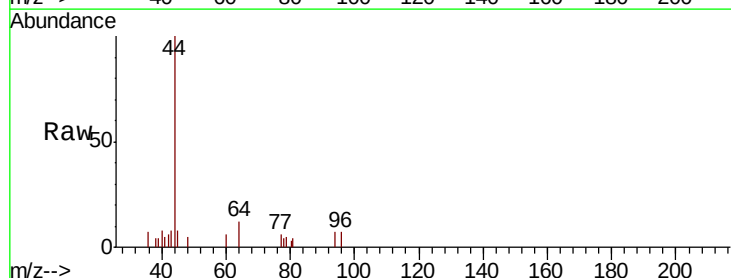
Acq: 10 Sep 2019 15:57

Tgt Ion: 94 Resp: 435

Ion Ratio Lower Upper

94 100

96 99.2 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

250

200

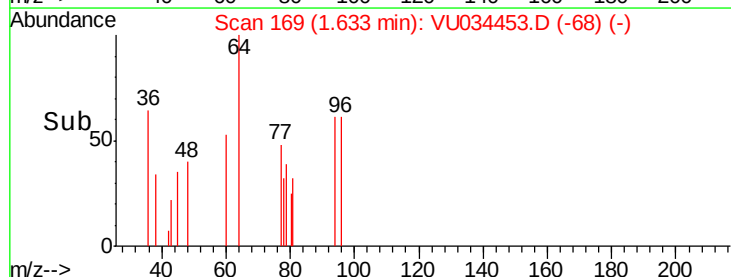
150

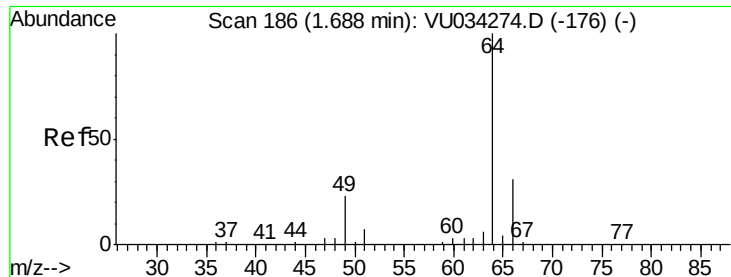
100

50

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 185

Delta R.T. -0.00 min

Lab File: VU034453.D

Acq: 10 Sep 2019 15:57

Instrument :

MSVOA_U

ClientSampleId :

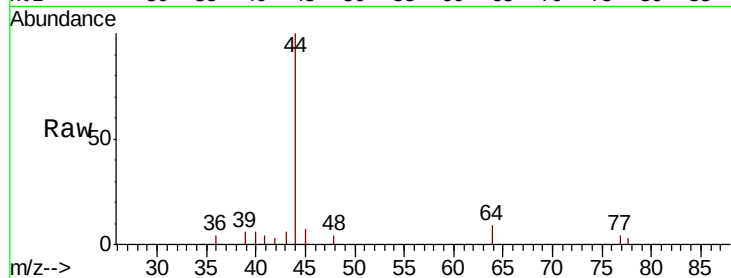
T12-G3-(2.7)

Tgt Ion: 64 Resp: 37

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.68

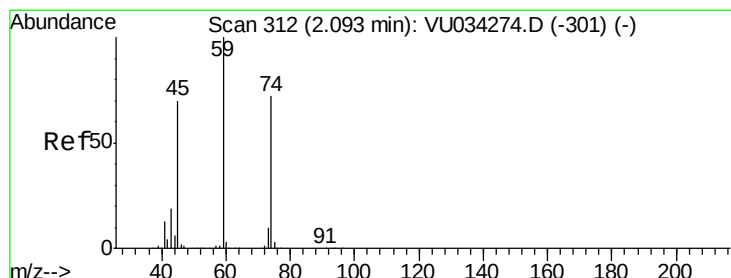
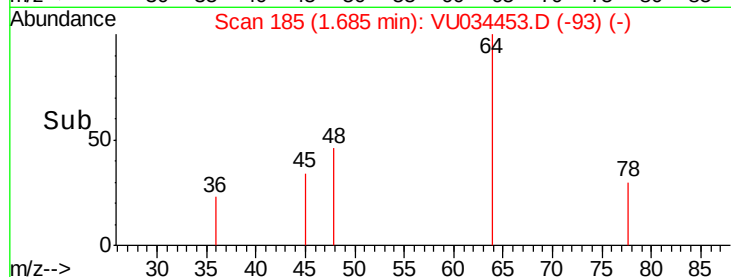
300

200

100

0

Time-->



#8

Diethyl Ether

Concen: 0.372 ug/l

RT: 2.09 min Scan# 312

Delta R.T. 0.00 min

Lab File: VU034453.D

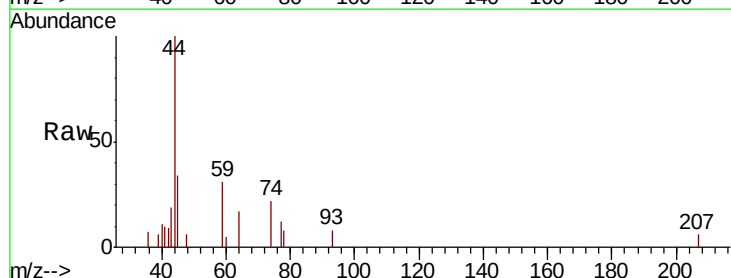
Acq: 10 Sep 2019 15:57

Tgt Ion: 74 Resp: 642

Ion Ratio Lower Upper

74 100

45 172.4 48.2 144.6#



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0

2.09

800

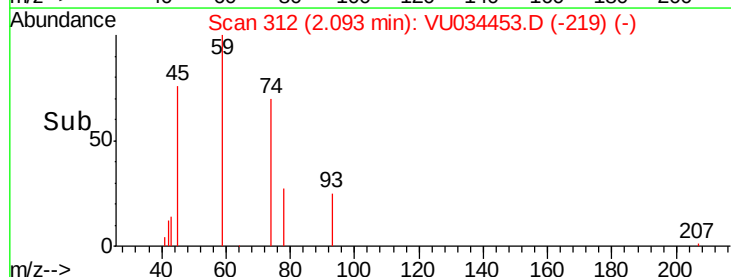
600

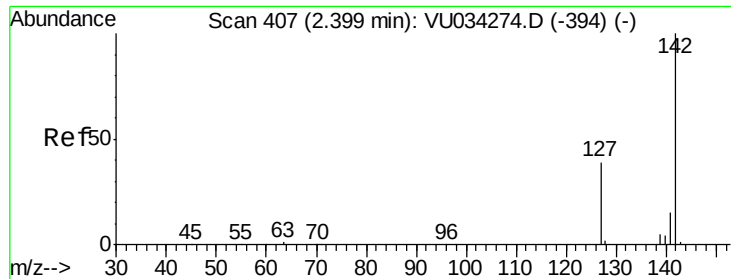
400

200

0

Time-->

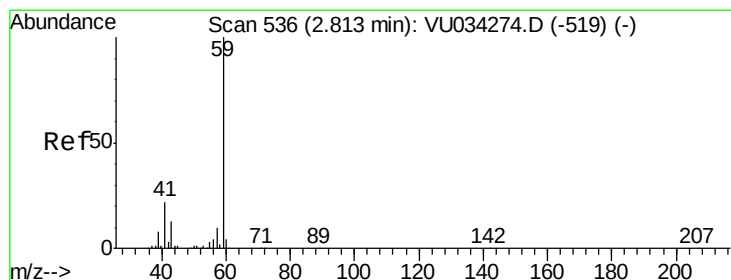
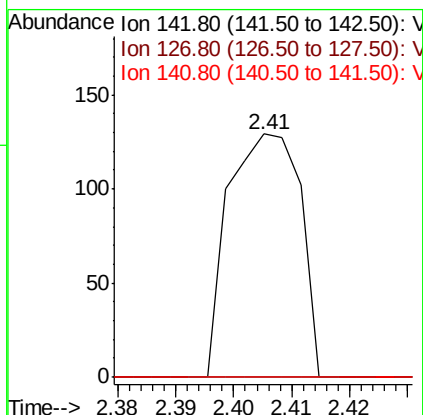
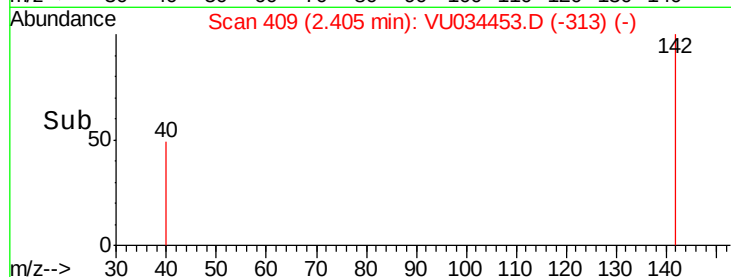
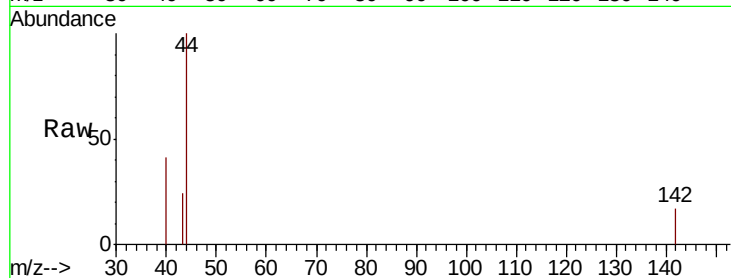




#10
Methyl Iodide
Concen: 3.890 ug/l
RT: 2.41 min Scan# 409
Delta R.T. 0.01 min
Lab File: VU034453.D
Acq: 10 Sep 2019 15:57

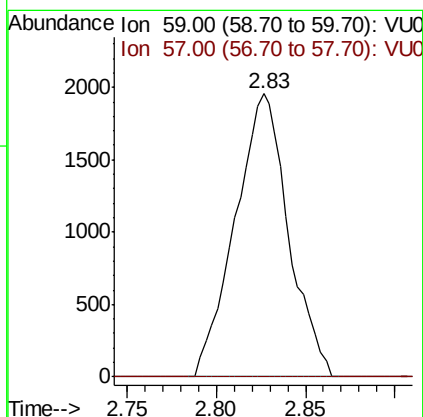
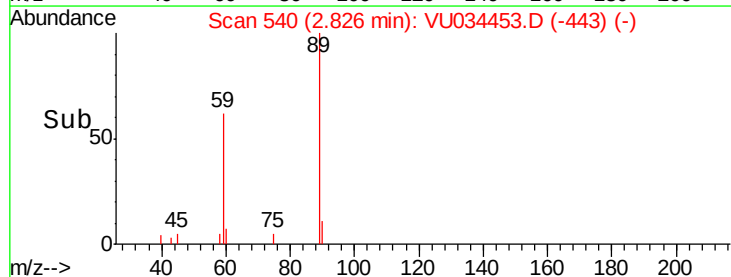
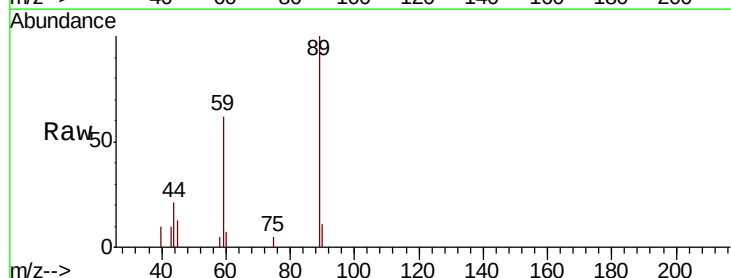
Instrument :
MSVOA_U
ClientSampleId :
T12-G3-(2.7)

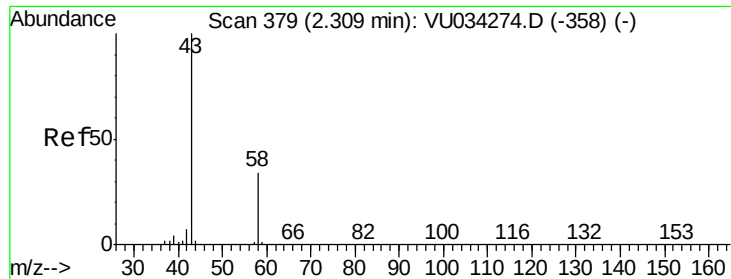
Tgt Ion: 142 Resp: 111
Ion Ratio Lower Upper
142 100
127 0.0 32.1 48.1#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 5.698 ug/l
RT: 2.83 min Scan# 540
Delta R.T. 0.01 min
Lab File: VU034453.D
Acq: 10 Sep 2019 15:57

Tgt Ion: 59 Resp: 4084
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#





#16

Acetone

Concen: 7.084 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034453.D

Acq: 10 Sep 2019 15:57

Instrument :

MSVOA_U

ClientSampleId :

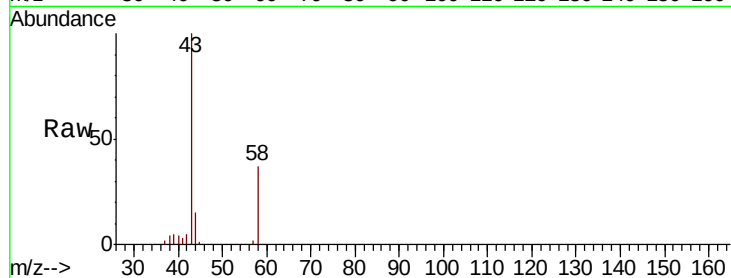
T12-G3-(2.7)

Tgt Ion: 43 Resp: 12437

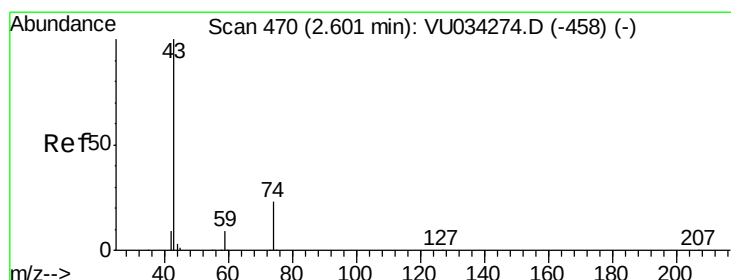
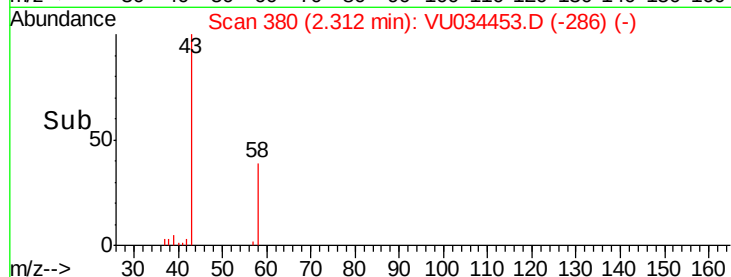
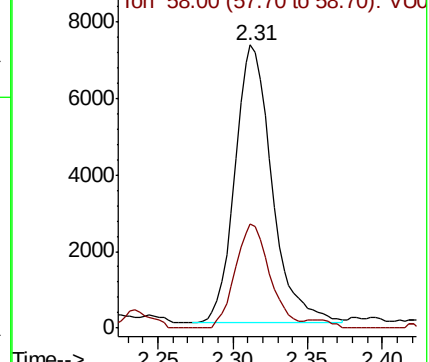
Ion Ratio Lower Upper

43 100

58 37.5 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU034453.D (-380) (-)



#18

Methyl Acetate

Concen: 0.959 ug/l

RT: 2.61 min Scan# 473

Delta R.T. 0.01 min

Lab File: VU034453.D

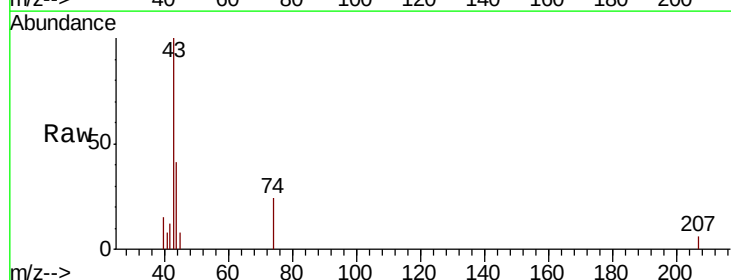
Acq: 10 Sep 2019 15:57

Tgt Ion: 43 Resp: 4095

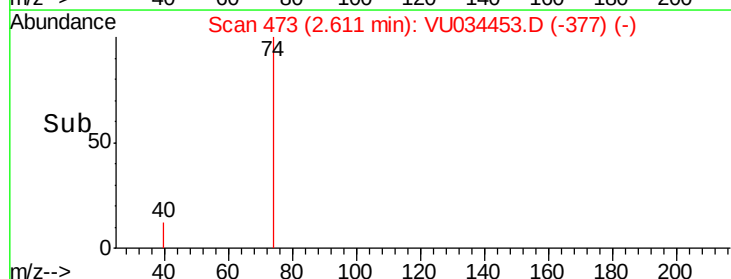
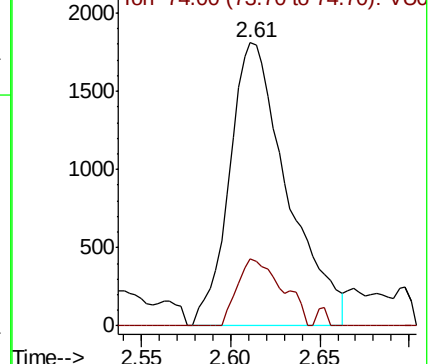
Ion Ratio Lower Upper

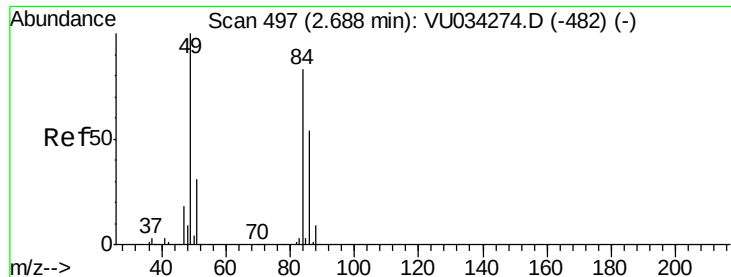
43 100

74 18.2 18.9 28.3#



Abundance Ion 43.00 (42.70 to 43.70): VU034453.D (-473) (-)

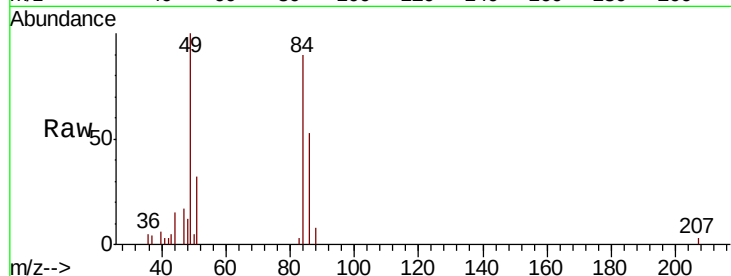




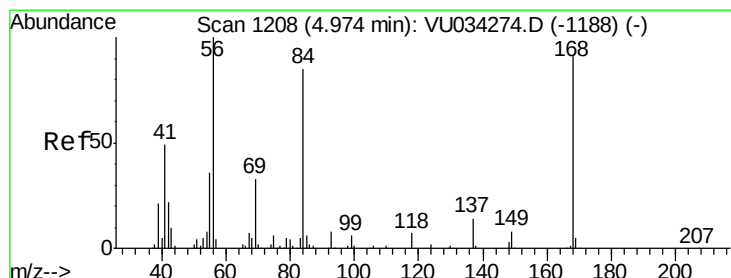
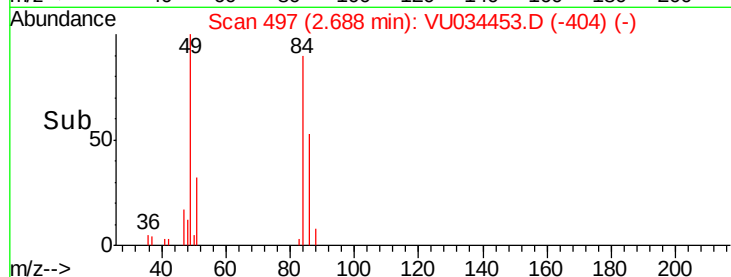
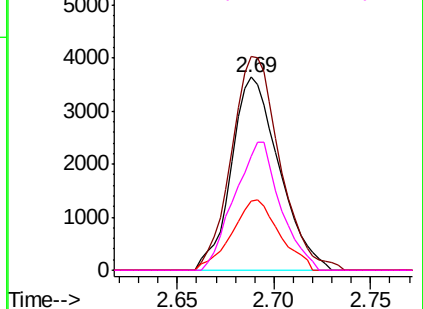
#20
Methylene Chloride
Concen: 1.782 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU034453.D
Acq: 10 Sep 2019 15:57

Instrument :
MSVOA_U
ClientSampleId :
T12-G3-(2.7)

Tgt Ion:	84	Resp:	6234
Ion	Ratio	Lower	Upper
84	100		
49	110.6	96.0	144.0
51	35.8	30.0	45.0
86	58.8	51.4	77.0

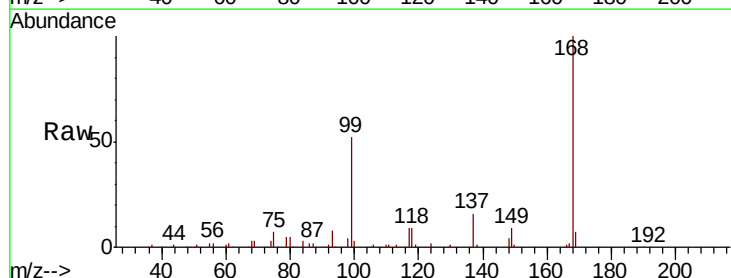


Abundance Ion 83.90 (83.60 to 84.60): VU0
Ion 48.90 (48.60 to 49.60): VU0
Ion 50.90 (50.60 to 51.60): VU0
Ion 85.90 (85.60 to 86.60): VU0

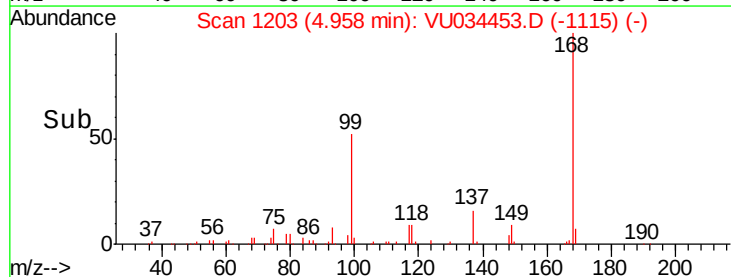
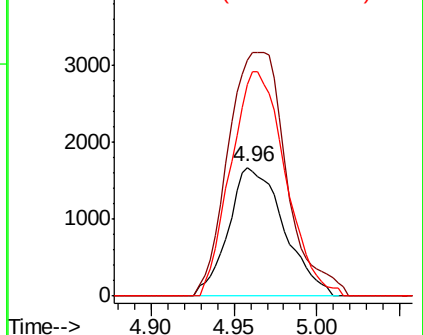


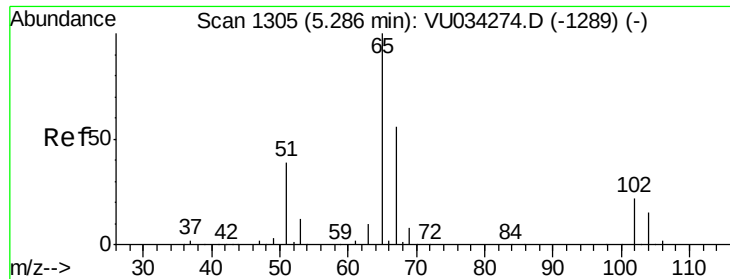
#31
Cyclohexane
Concen: 0.978 ug/l
RT: 4.96 min Scan# 1203
Delta R.T. -0.02 min
Lab File: VU034453.D
Acq: 10 Sep 2019 15:57

Tgt Ion:	56	Resp:	3885
Ion	Ratio	Lower	Upper
56	100		
69	183.4	26.7	40.1#
84	164.6	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

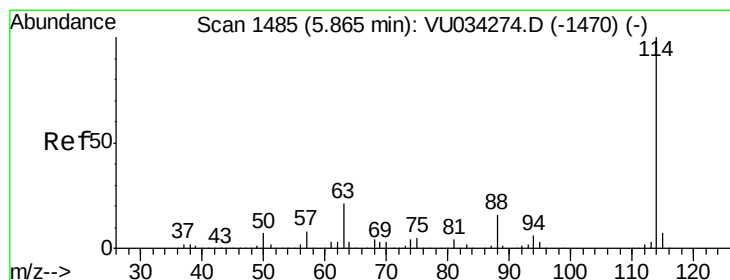
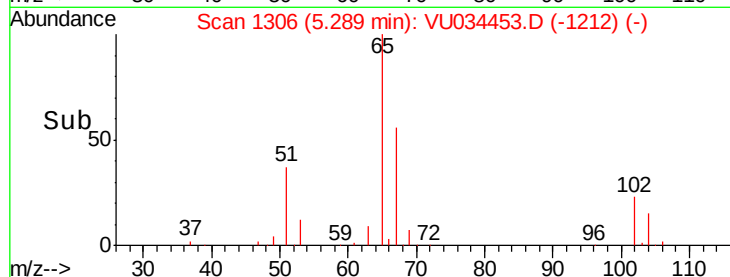
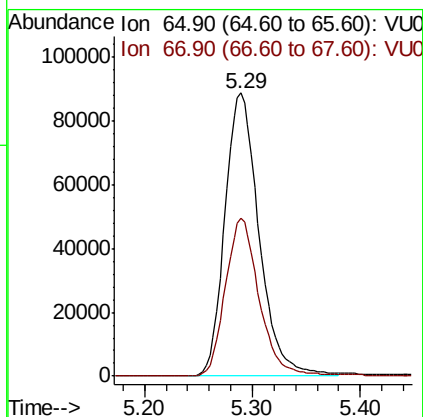
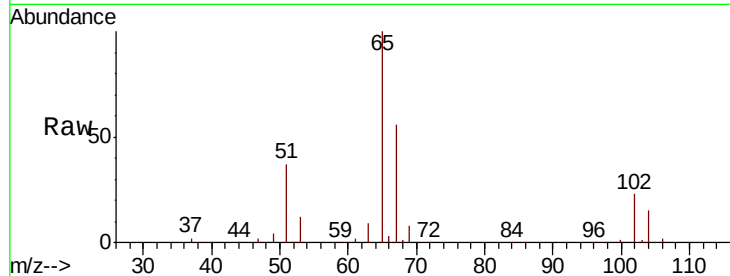




#33
 1,2-Dichloroethane-d4
 Concen: 57.830 ug/l
 RT: 5.29 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU034453.D
 Acq: 10 Sep 2019 15:57

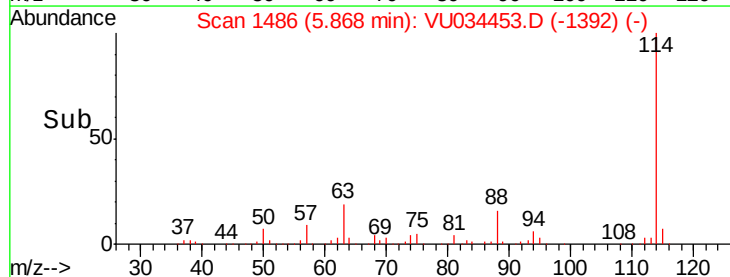
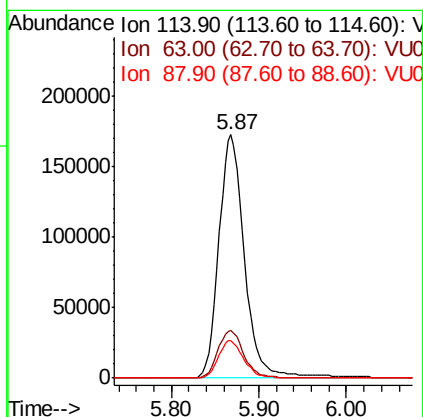
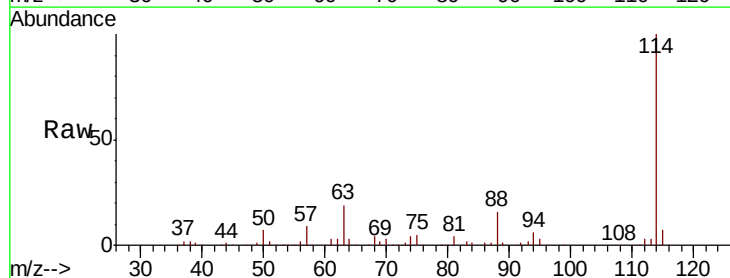
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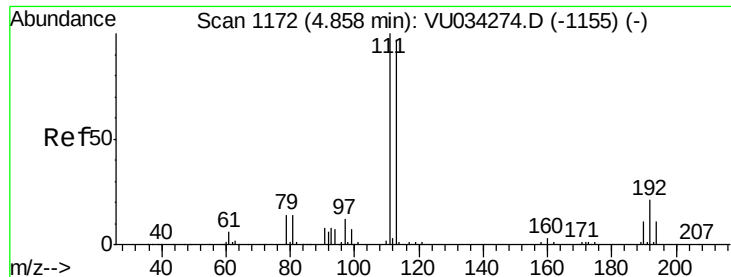
Tgt Ion: 65 Resp: 196207
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 112.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034453.D
 Acq: 10 Sep 2019 15:57

Tgt Ion: 114 Resp: 351164
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 42.4
 88 15.7 0.0 32.4

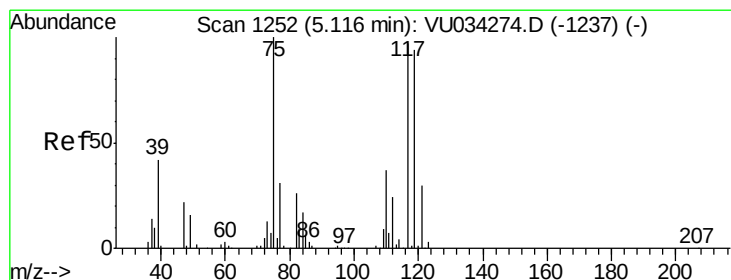
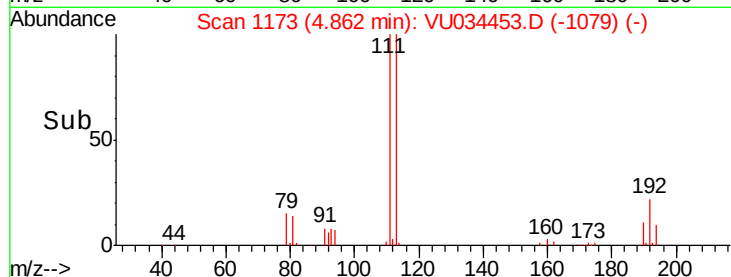
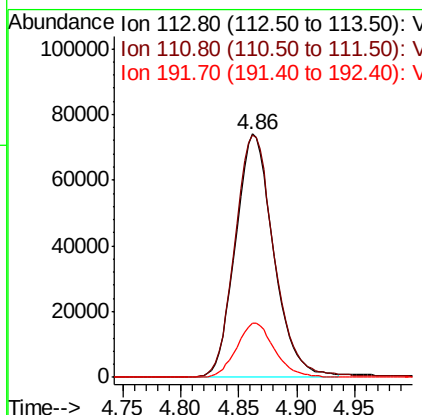
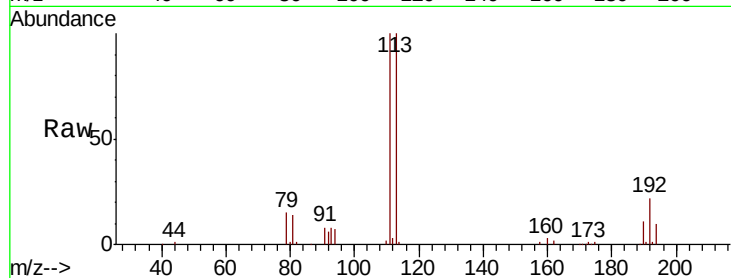




#35
 Dibromofluoromethane
 Concen: 51.827 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034453.D
 Acq: 10 Sep 2019 15:57

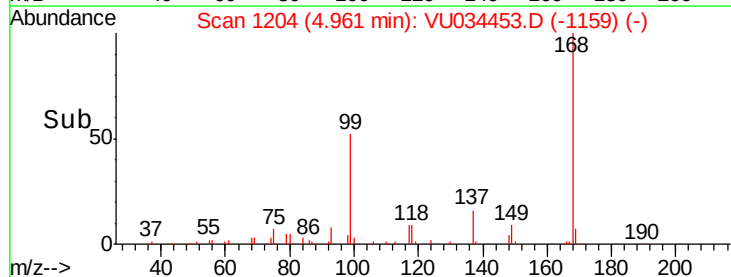
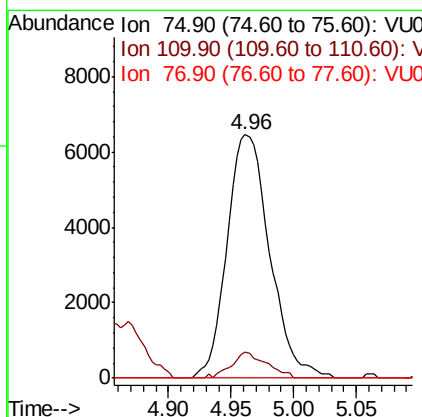
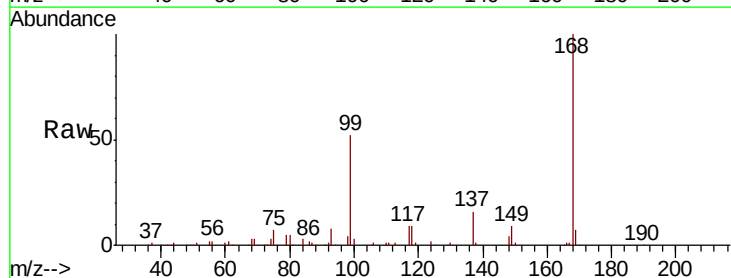
Instrument :
 MSVOA_U
 ClientSampleId :
 T12-G3-(2.7)

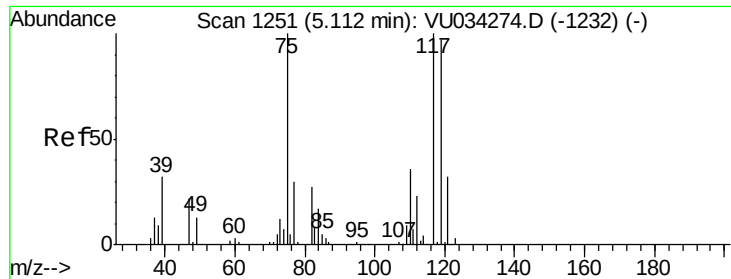
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.5	122.3
192	22.2	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 4.010 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034453.D
 Acq: 10 Sep 2019 15:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.3	54.9#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 4.987 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. -0.15 min

Lab File: VU034453.D

Acq: 10 Sep 2019 15:57

Instrument :

MSVOA_U

ClientSampleId :

T12-G3-(2.7)

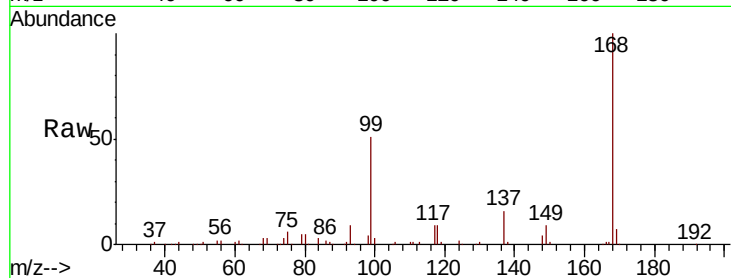
Tgt Ion:117 Resp: 20280

Ion Ratio Lower Upper

117 100

119 7.5 77.8 116.6#

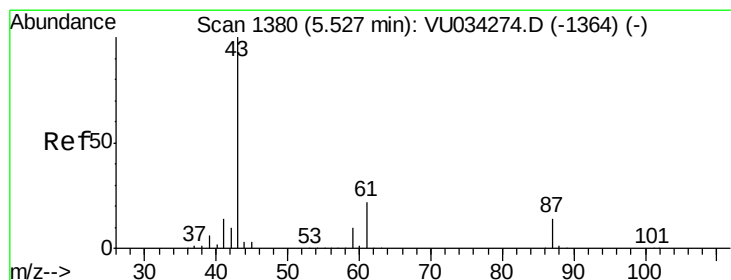
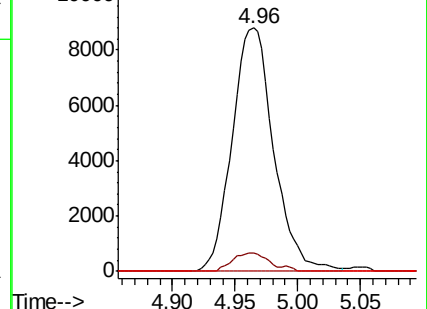
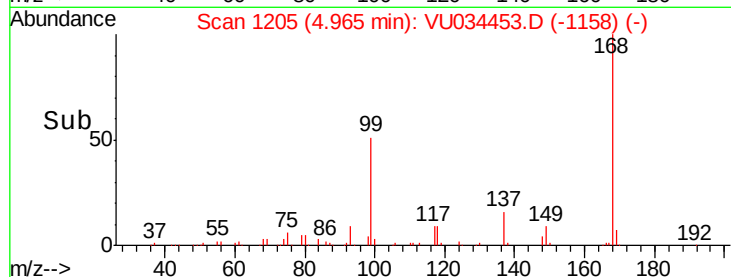
121 0.0 25.2 37.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 8.435 ug/l

RT: 5.53 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VU034453.D

Acq: 10 Sep 2019 15:57

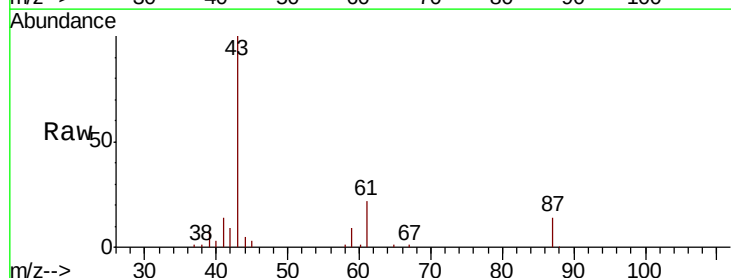
Tgt Ion: 43 Resp: 59247

Ion Ratio Lower Upper

43 100

61 20.9 17.1 25.7

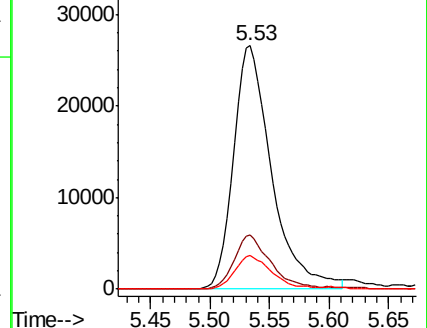
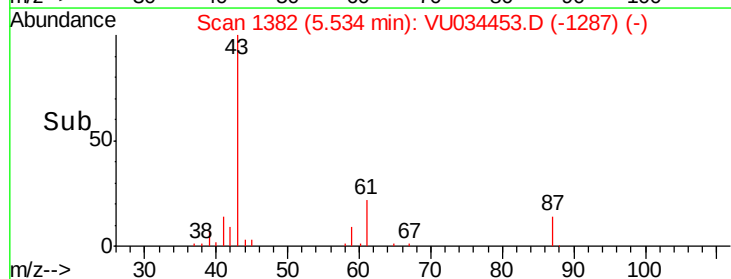
87 13.3 11.1 16.7

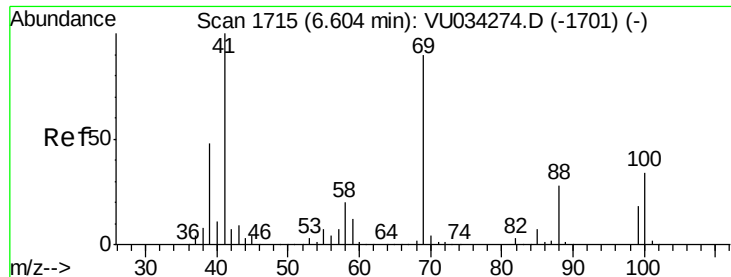


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#48

Methyl methacrylate

Concen: 30.330 ug/l

RT: 6.69 min Scan# 1741

Delta R.T. 0.08 min

Lab File: VU034453.D

Acq: 10 Sep 2019 15:57

Instrument :

MSVOA_U

ClientSampleId :

T12-G3-(2.7)

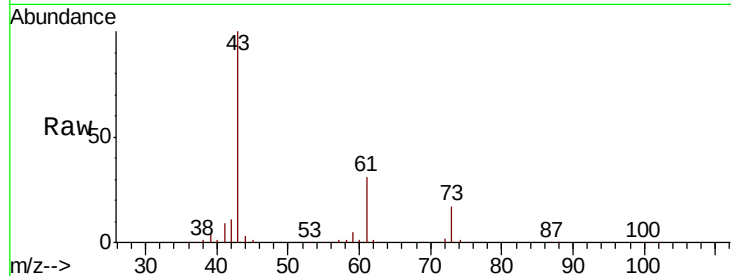
Tgt Ion: 41 Resp: 101189

Ion Ratio Lower Upper

41 100

69 0.1 72.8 109.2#

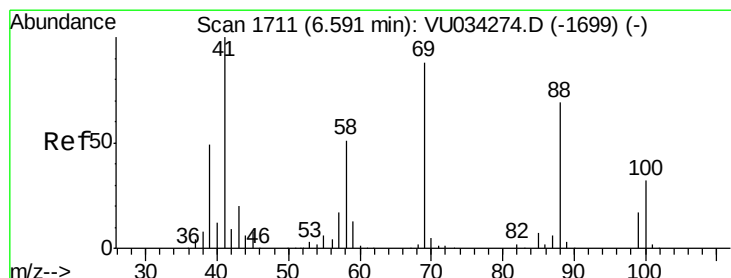
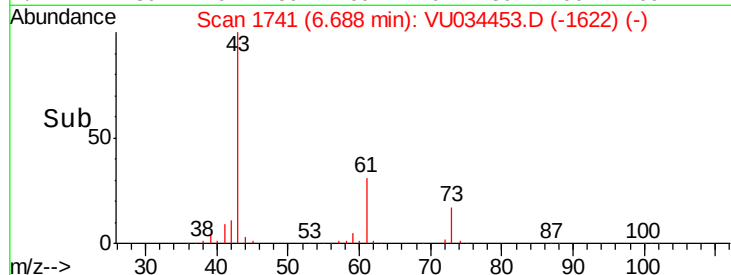
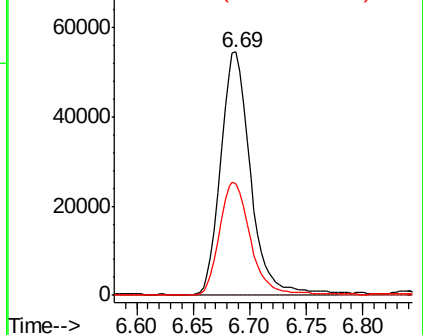
39 48.4 38.6 58.0



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0



#49

1,4-Dioxane

Concen: 2.388 ug/l

RT: 6.68 min Scan# 1738

Delta R.T. 0.09 min

Lab File: VU034453.D

Acq: 10 Sep 2019 15:57

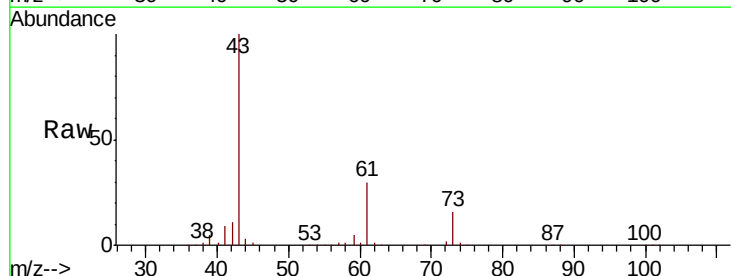
Tgt Ion: 88 Resp: 174

Ion Ratio Lower Upper

88 100

43 635054.6 23.8 35.6#

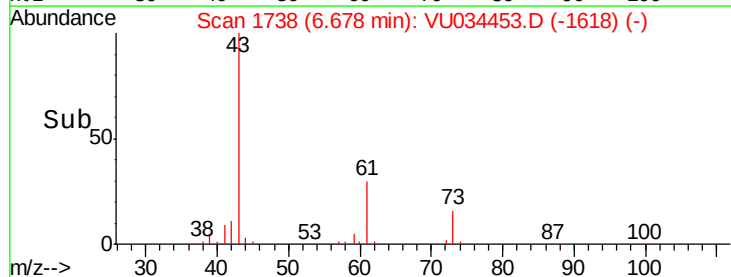
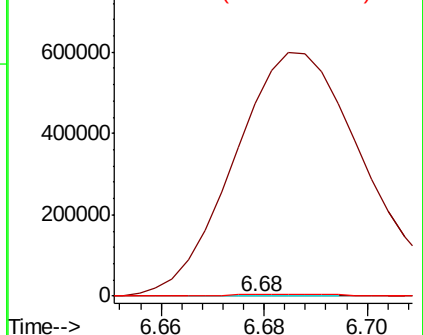
58 4269.5 58.4 87.6#

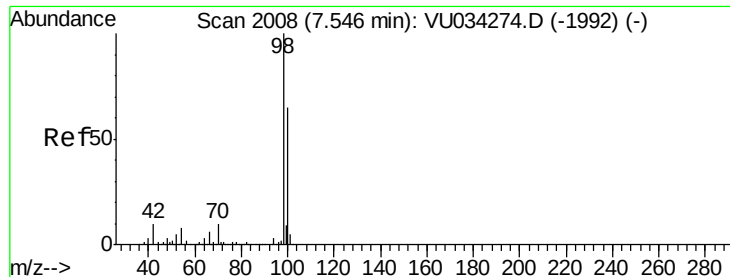


Abundance Ion 88.00 (87.70 to 88.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

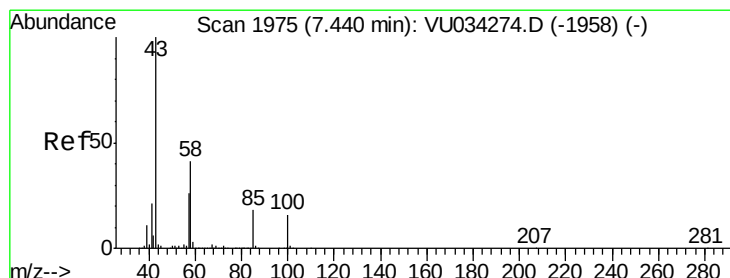
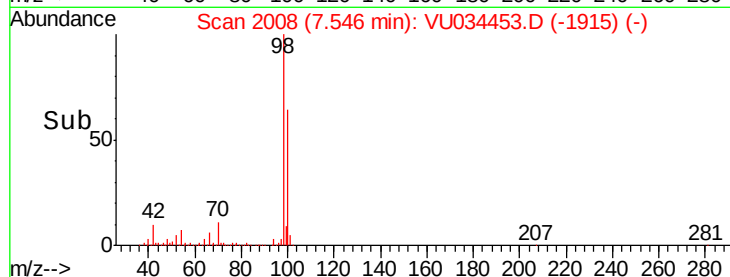
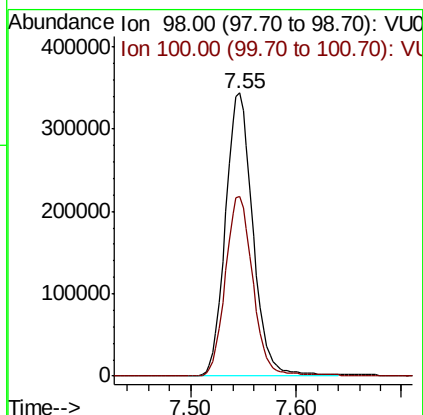
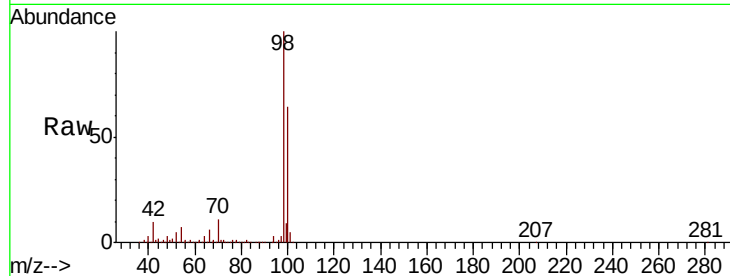




#50
Toluene-d8
Concen: 50.334 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VU034453.D
Acq: 10 Sep 2019 15:57

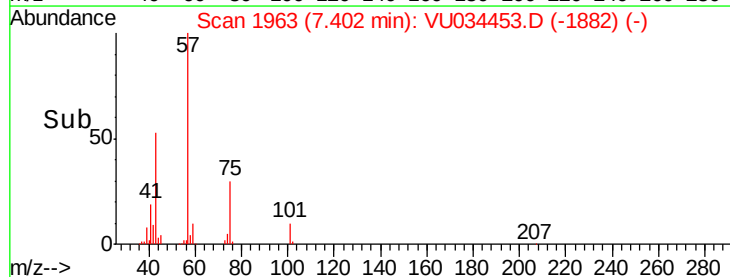
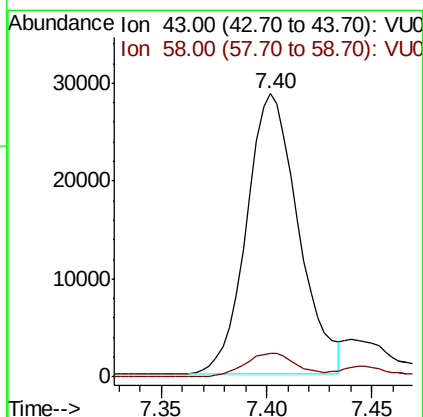
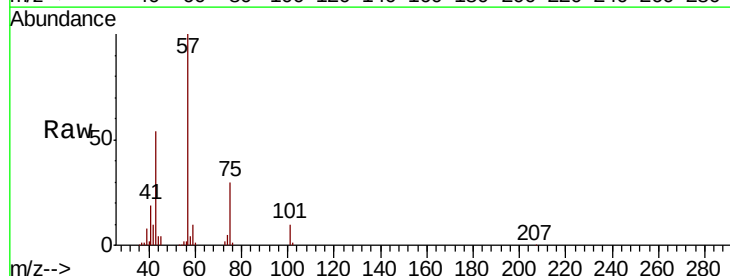
Instrument :
MSVOA_U
ClientSampleId :
T12-G3-(2.7)

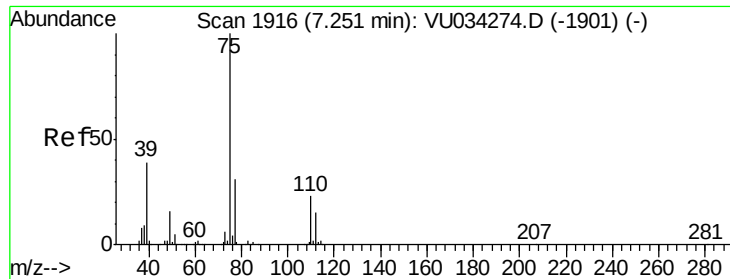
Tgt Ion: 98 Resp: 617919
Ion Ratio Lower Upper
98 100
100 63.9 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 10.015 ug/l
RT: 7.40 min Scan# 1963
Delta R.T. -0.04 min
Lab File: VU034453.D
Acq: 10 Sep 2019 15:57

Tgt Ion: 43 Resp: 48697
Ion Ratio Lower Upper
43 100
58 8.5 33.0 49.4#



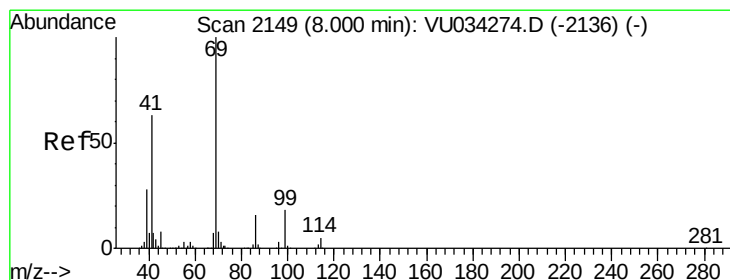
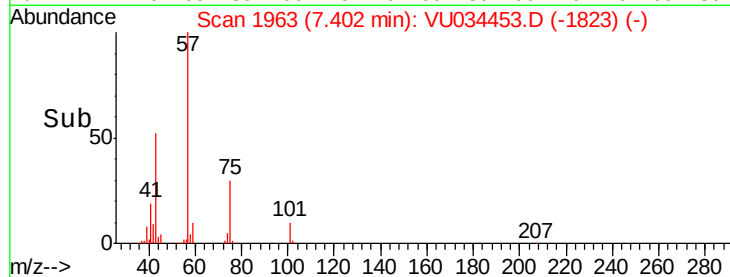
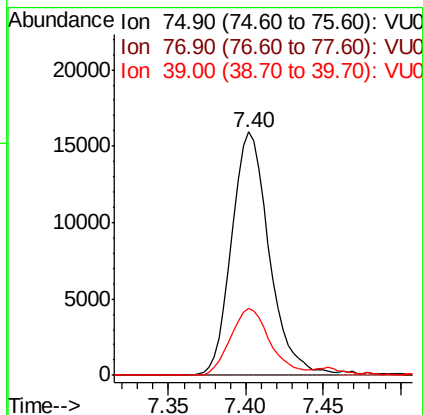
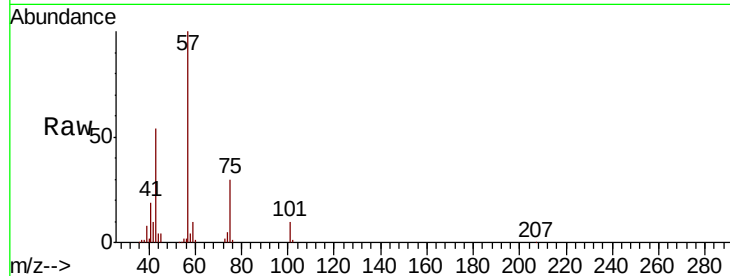


#54

cis-1,3-Dichloropropene
 Concen: 5.092 ug/l
 RT: 7.40 min Scan# 1963
 Delta R.T. 0.15 min
 Lab File: VU034453.D
 Acq: 10 Sep 2019 15:57

Instrument :
 MSVOA_U
 ClientSampleId :
 T12-G3-(2.7)

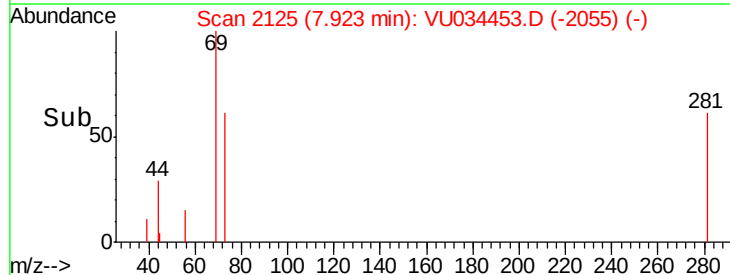
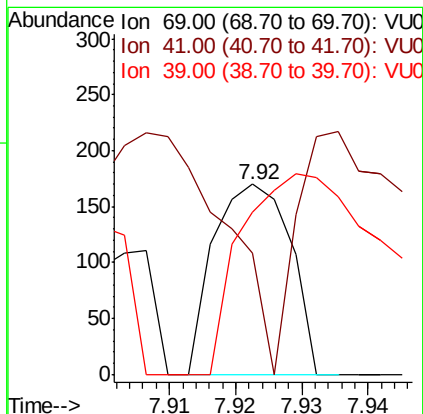
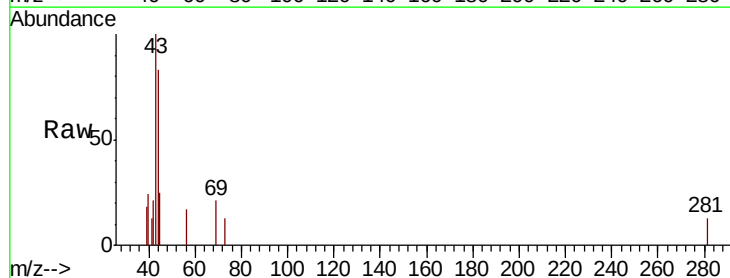
Tgt Ion: 75 Resp: 26892
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 27.3 31.2 46.8#

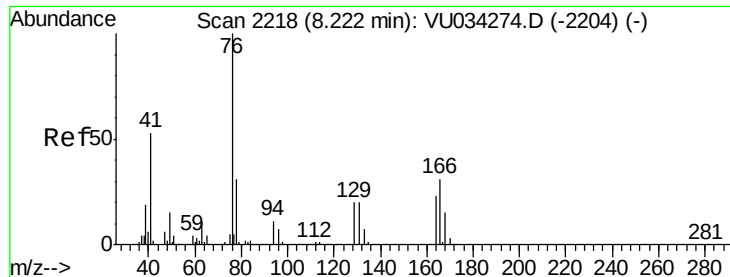


#56

Ethyl methacrylate
 Concen: 3.101 ug/l
 RT: 7.92 min Scan# 2125
 Delta R.T. -0.08 min
 Lab File: VU034453.D
 Acq: 10 Sep 2019 15:57

Tgt Ion: 69 Resp: 137
 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: 0.845 ug/l

RT: 8.40 min Scan# 2272

Delta R.T. 0.17 min

Lab File: VU034453.D

Acq: 10 Sep 2019 15:57

Instrument :

MSVOA_U

ClientSampleId :

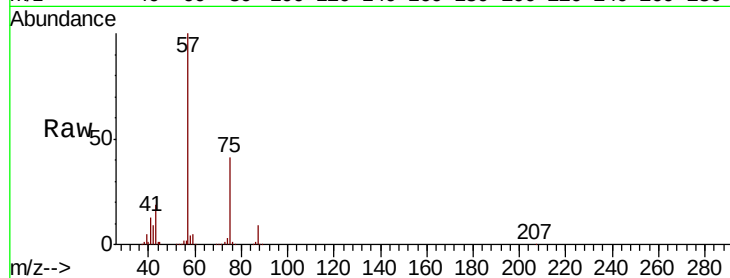
T12-G3-(2.7)

Tgt Ion: 76 Resp: 4818

Ion Ratio Lower Upper

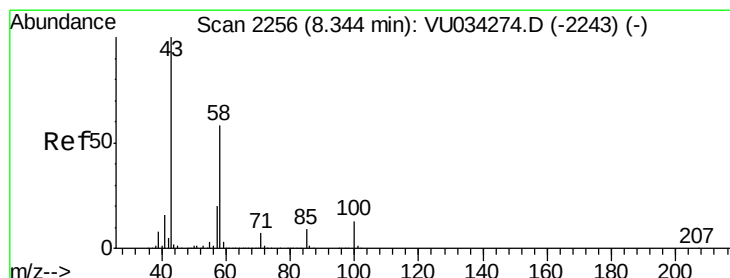
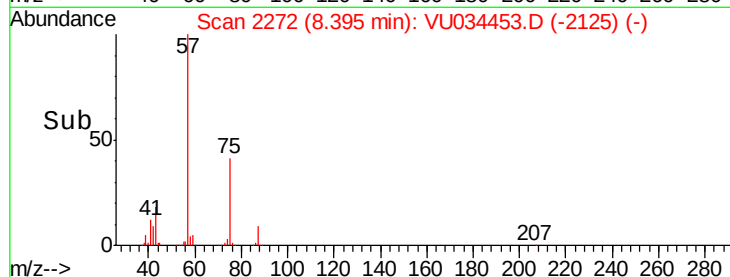
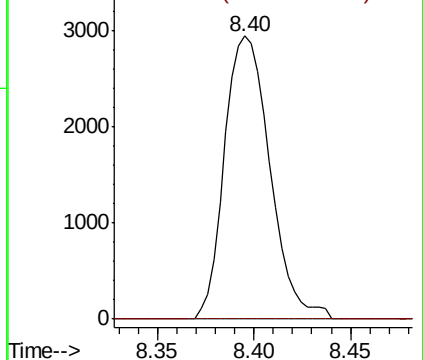
76 100

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: 16.824 ug/l

RT: 8.40 min Scan# 2273

Delta R.T. 0.05 min

Lab File: VU034453.D

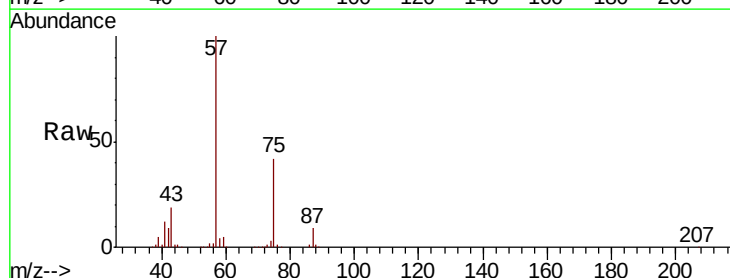
Acq: 10 Sep 2019 15:57

Tgt Ion: 43 Resp: 61110

Ion Ratio Lower Upper

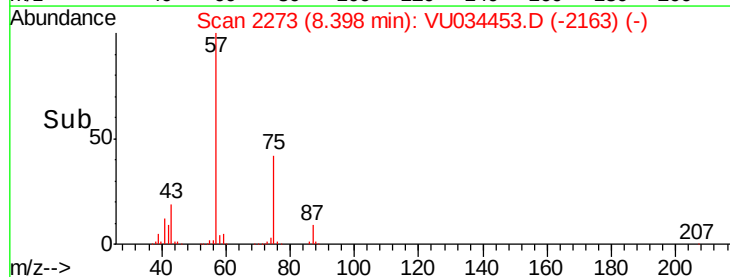
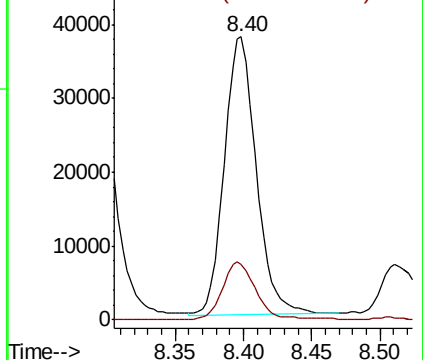
43 100

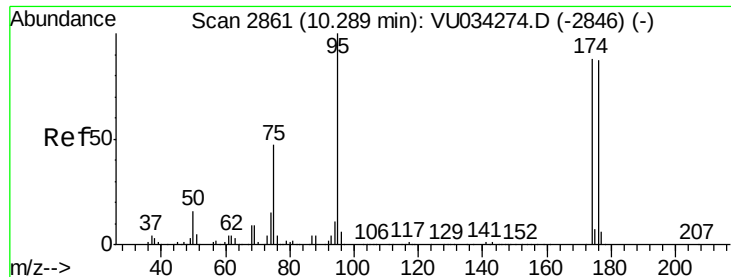
58 21.9 28.8 86.5#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

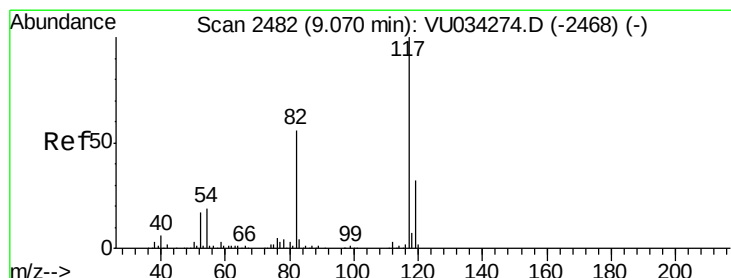
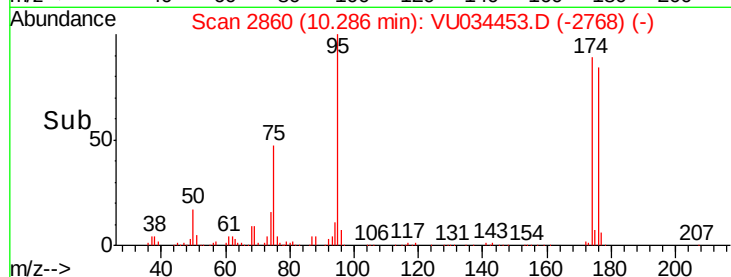
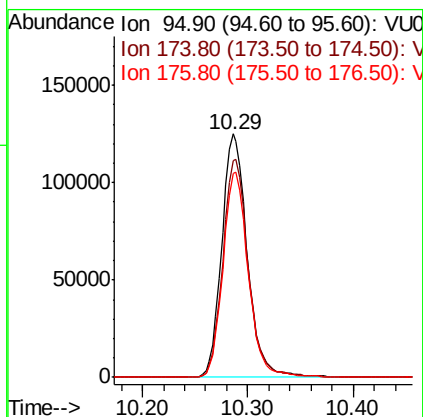
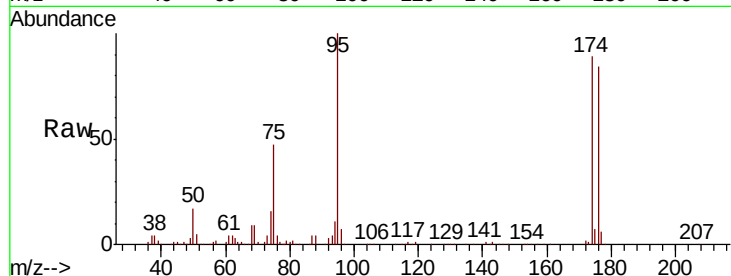




#62
4-Bromofluorobenzene
Concen: 44.049 ug/l
RT: 10.29 min Scan# 2860
Delta R.T. -0.00 min
Lab File: VU034453.D
Acq: 10 Sep 2019 15:57

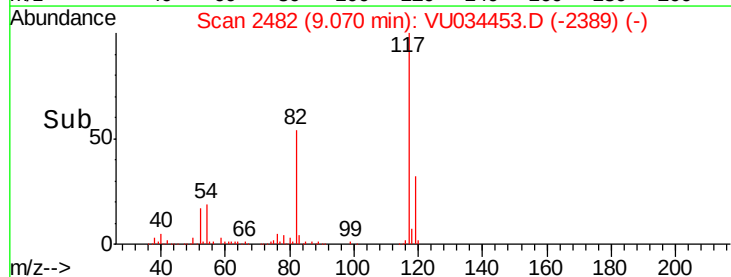
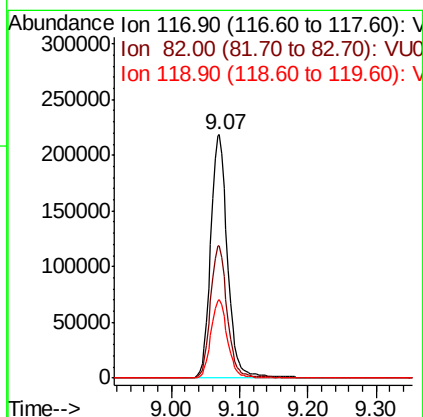
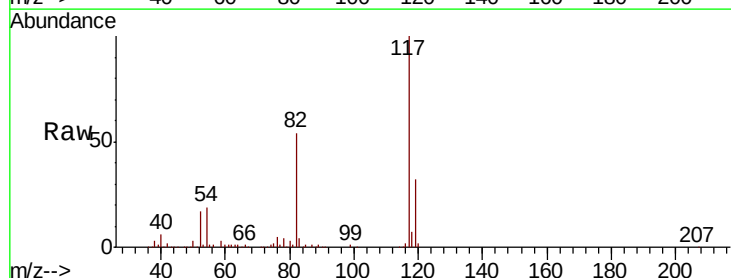
Instrument :
MSVOA_U
ClientSampleId :
T12-G3-(2.7)

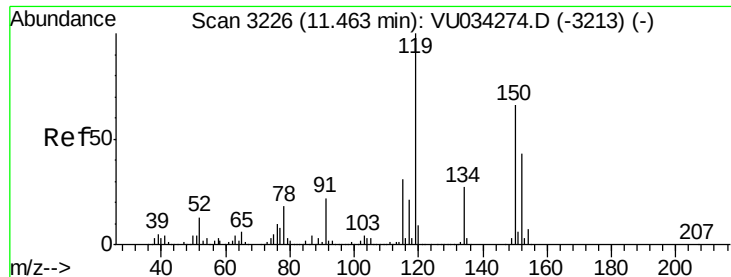
Tgt Ion: 95 Resp: 208785
Ion Ratio Lower Upper
95 100
174 90.4 0.0 175.2
176 84.4 0.0 168.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU034453.D
Acq: 10 Sep 2019 15:57

Tgt Ion: 117 Resp: 375831
Ion Ratio Lower Upper
117 100
82 54.3 44.6 67.0
119 32.4 25.9 38.9

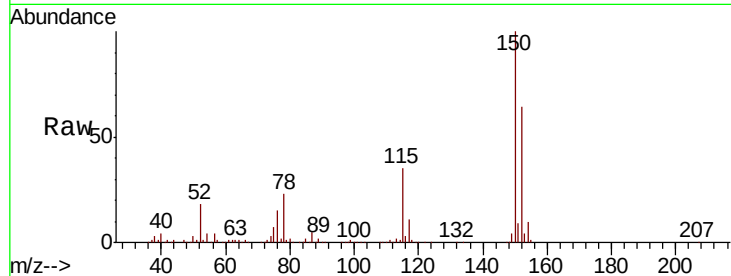




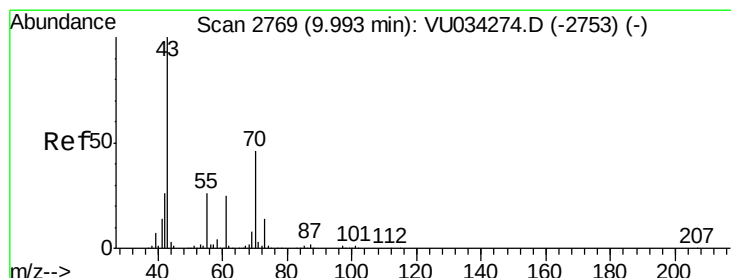
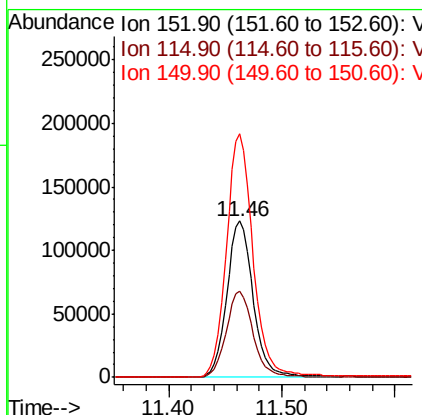
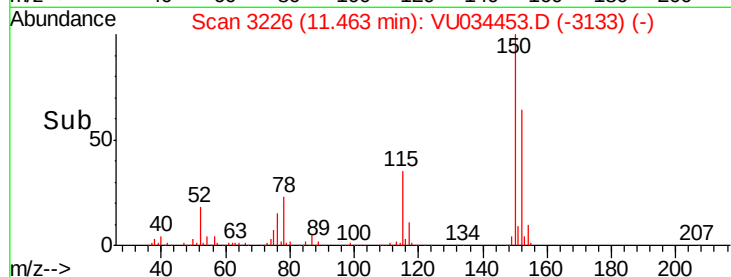
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.46 min Scan# 3226
 Delta R.T. 0.00 min
 Lab File: VU034453.D
 Acq: 10 Sep 2019 15:57

Instrument :
 MSVOA_U
 ClientSampleId :
 T12-G3-(2.7)

Tgt Ion:152 Resp: 200277
 Ion Ratio Lower Upper
 152 100
 115 56.2 39.1 117.3
 150 158.0 0.0 345.4

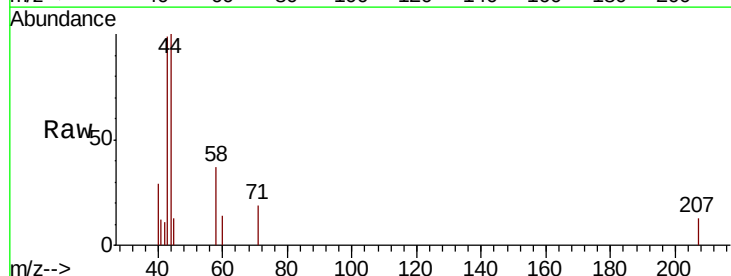


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

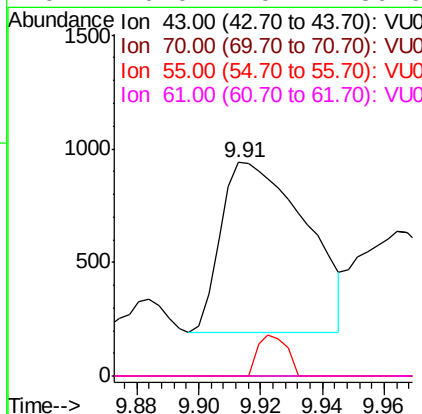
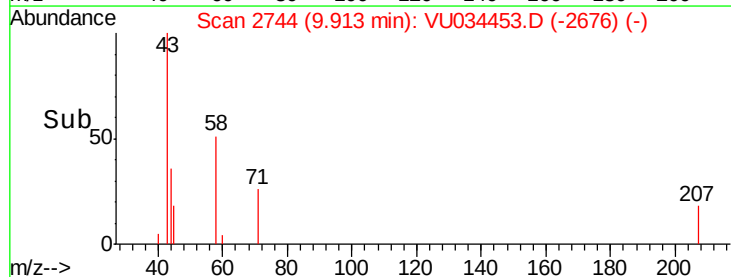


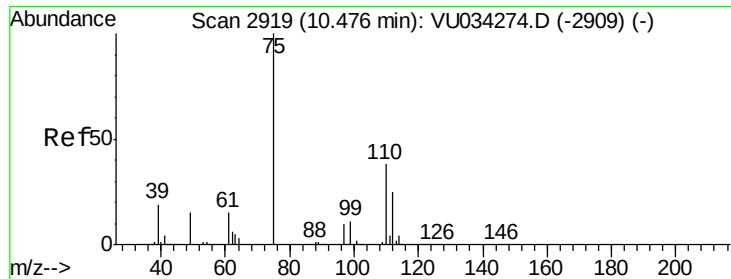
#74
 N-ethyl acetate
 Concen: 0.270 ug/l
 RT: 9.91 min Scan# 2744
 Delta R.T. -0.08 min
 Lab File: VU034453.D
 Acq: 10 Sep 2019 15:57

Tgt Ion: 43 Resp: 1418
 Ion Ratio Lower Upper
 43 100
 70 0.0 36.4 54.6#
 55 8.3 21.2 31.8#
 61 0.0 20.4 30.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 70.00 (69.70 to 70.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0

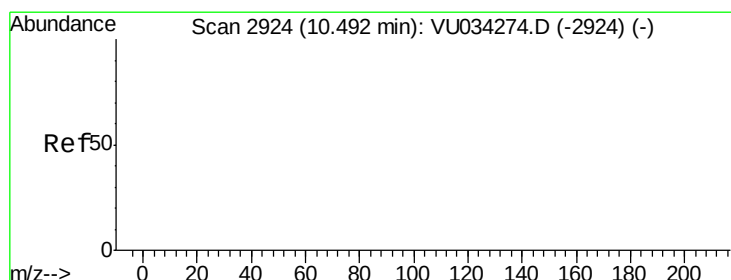
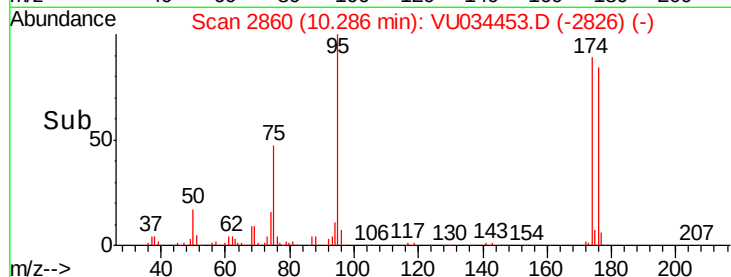
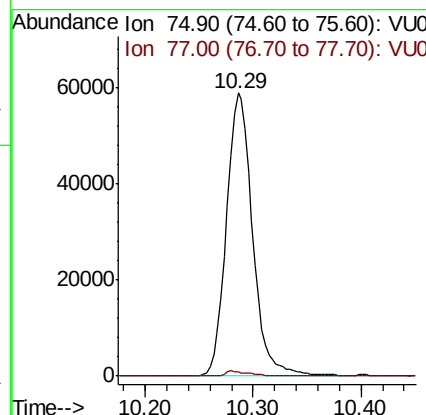
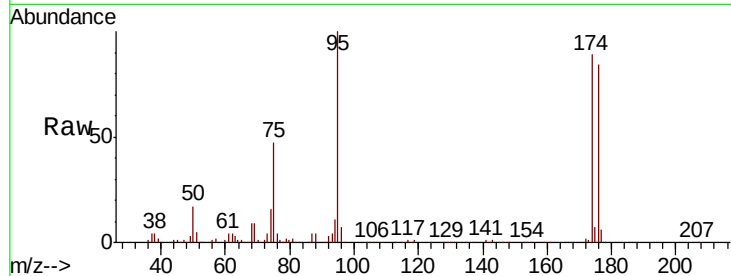




#76
 1,2,3-Trichloropropane
 Concen: 22.686 ug/l
 RT: 10.29 min Scan# 2860
 Delta R.T. -0.19 min
 Lab File: VU034453.D
 Acq: 10 Sep 2019 15:57

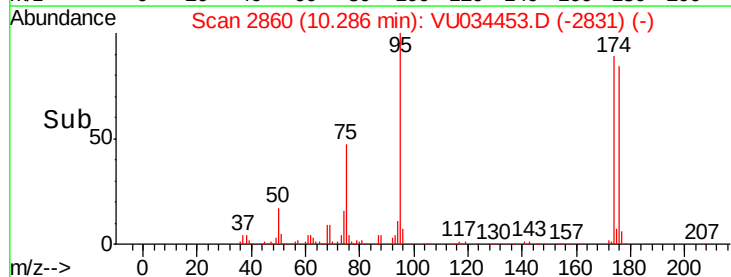
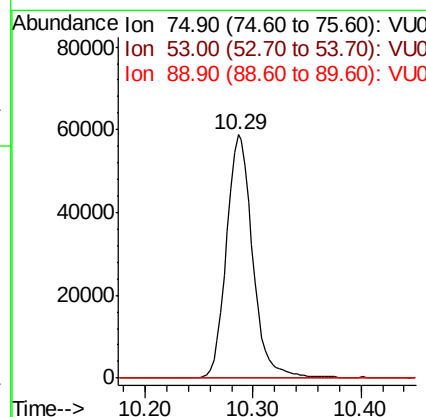
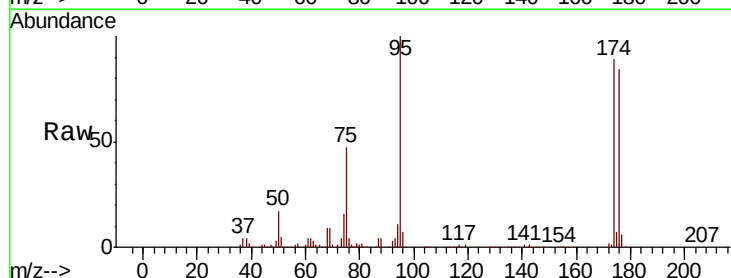
Instrument :
 MSVOA_U
 ClientSampleId :
 T12-G3-(2.7)

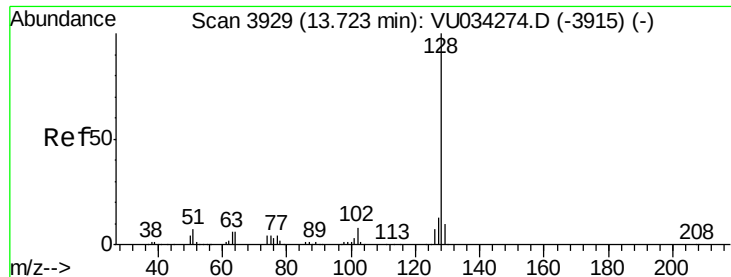
Tgt Ion: 75 Resp: 99175
 Ion Ratio Lower Upper
 75 100
 77 1.6 20.8 62.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.291 ug/l
 RT: 10.29 min Scan# 2860
 Delta R.T. -0.21 min
 Lab File: VU034453.D
 Acq: 10 Sep 2019 15:57

Tgt Ion: 75 Resp: 99175
 Ion Ratio Lower Upper
 75 100
 53 0.1 0.0 0.0#
 89 0.0 0.0 0.0





#95

Naphthalene

Concen: 3.969 ug/l

RT: 13.79 min Scan# 3950

Delta R.T. 0.07 min

Lab File: VU034453.D

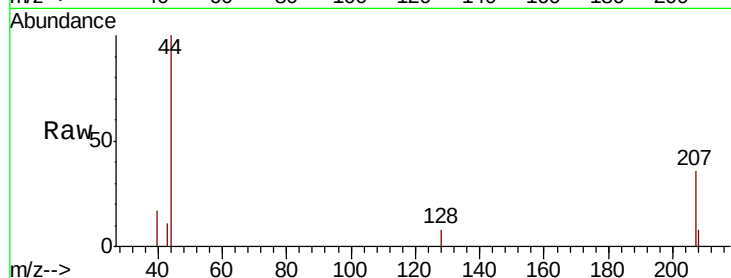
Acq: 10 Sep 2019 15:57

Instrument :

MSVOA_U

ClientSampleId :

T12-G3-(2.7)



Tgt Ion:	128	Resp:	40
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	15.8#
129	0.0	8.4	12.6#

