

Data File : VU034501.D
Acq On : 12 Sep 2019 01:40
Operator : JC/SP
Sample : K4643-23
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
T11-B2-(0)

Quant Time: Sep 12 04:48:52 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	236020	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	351919	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	377916	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	204356	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	222118	62.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.40%	
35) Dibromofluoromethane	4.86	113	190278	58.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.22%	
50) Toluene-d8	7.54	98	673916	54.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.56%	
62) 4-Bromofluorobenzene	10.29	95	228062	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	

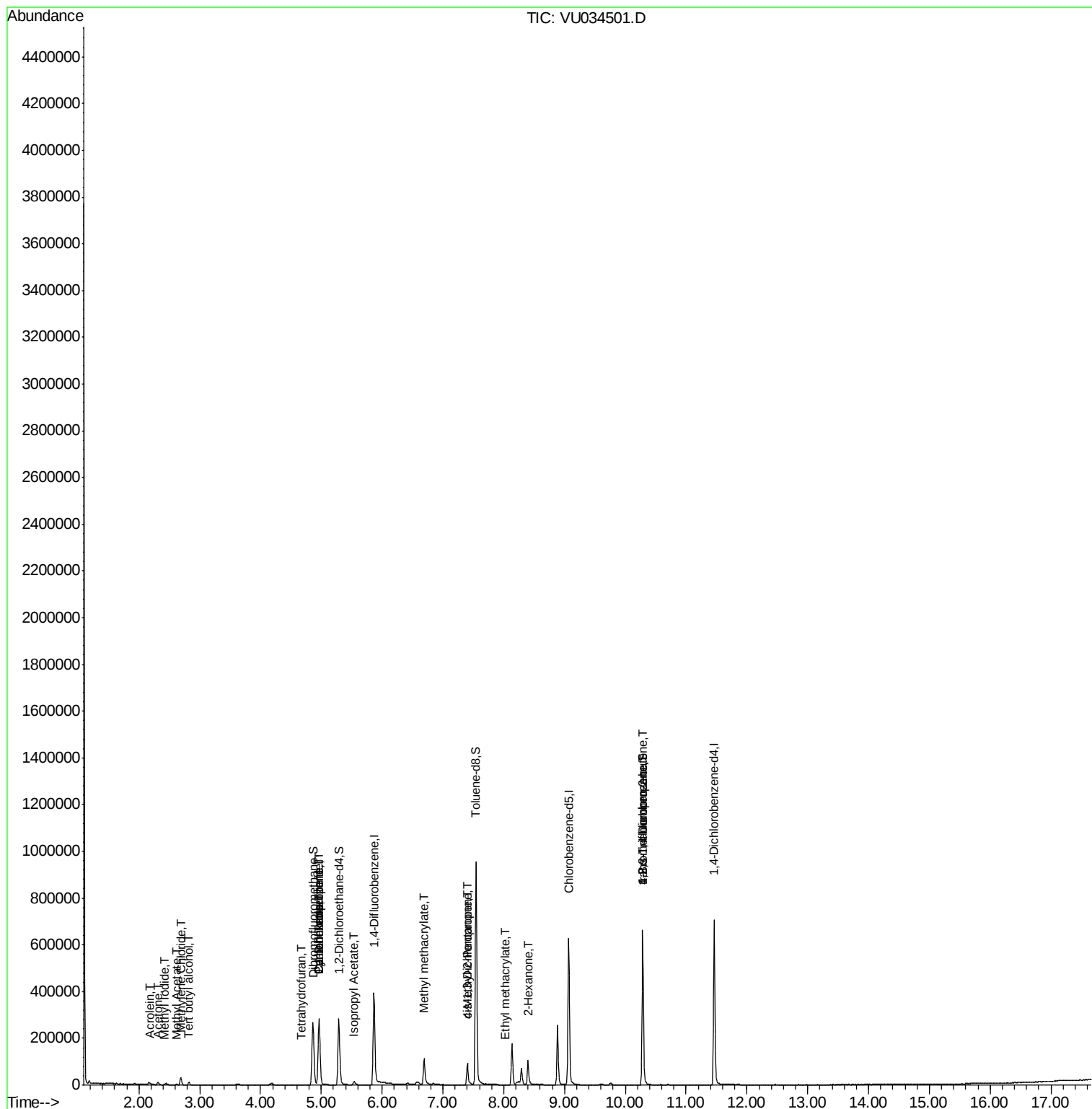
Target Compounds			Qvalue			
5) Bromomethane	1.60	94	39	Below Cal	#	2
6) Chloroethane	1.70	64	108	Below Cal	#	43
10) Methyl Iodide	2.41	142	122	3.892	ug/l #	43
11) Tert butyl alcohol	2.83	59	5615	7.443	ug/l #	73
13) Acrolein	2.18	56	129	0.203	ug/l #	54
16) Acetone	2.31	43	11533	6.241	ug/l	99
18) Methyl Acetate	2.62	43	2910	0.647	ug/l	97
20) Methylene Chloride	2.69	84	14677	4.485	ug/l	97
29) Tetrahydrofuran	4.65	42	389	0.259	ug/l #	36
31) Cyclohexane	4.96	56	4416	1.056	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	15788	4.137	ug/l #	48
38) Carbon Tetrachloride	4.96	117	21505	5.277	ug/l #	17
43) Isopropyl Acetate	5.54	43	19931	2.831	ug/l	98
48) Methyl methacrylate	6.69	41	12005	3.591	ug/l #	36
51) 4-Methyl-2-Pentanone	7.40	43	31277	6.419	ug/l #	47
54) cis-1,3-Dichloropropene	7.41	75	17536	3.313	ug/l #	63
56) Ethyl methacrylate	8.03	69	122	3.098	ug/l #	28
59) 2-Hexanone	8.40	43	14650	4.025	ug/l #	57
76) 1,2,3-Trichloropropane	10.29	75	107179	24.027	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.29	75	107179	80.802	ug/l #	100

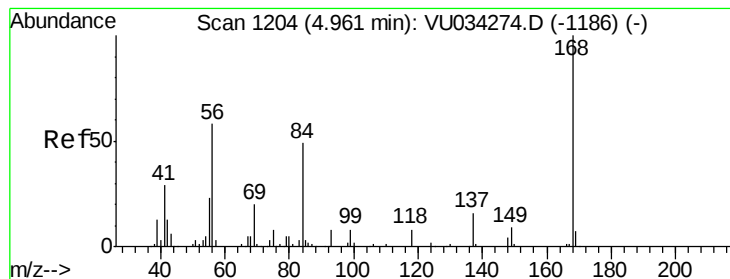
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VU034501.D

Acq: 12 Sep 2019 01:40

Instrument :

MSVOA_U

ClientSampleId :

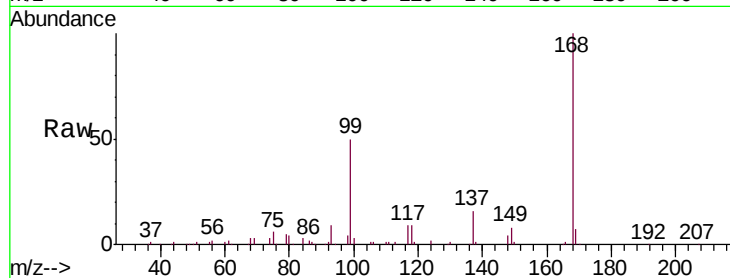
T11-B2-(0)

Tgt Ion:168 Resp: 236020

Ion Ratio Lower Upper

168 100

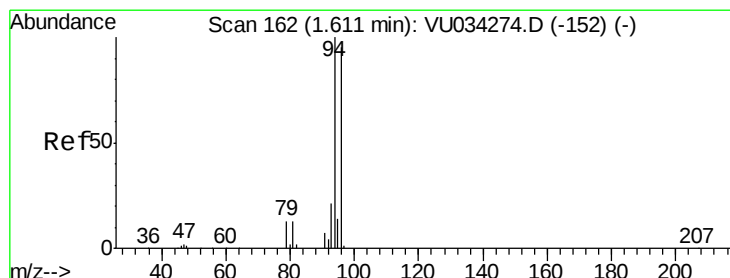
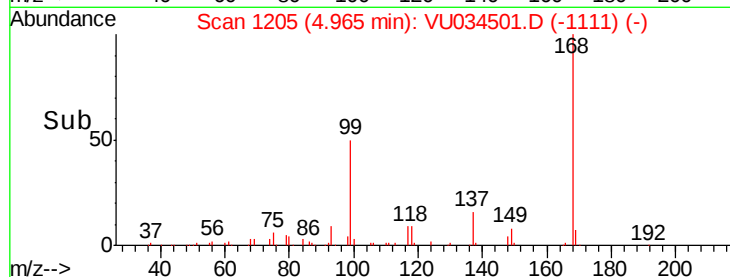
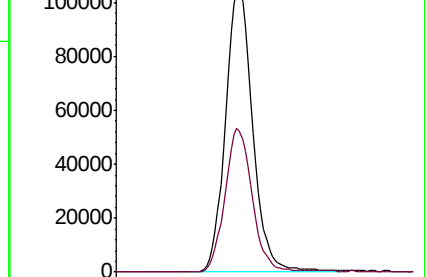
99 49.8 41.6 62.4



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



#5

Bromomethane

Concen: Below Cal

RT: 1.60 min Scan# 159

Delta R.T. -0.01 min

Lab File: VU034501.D

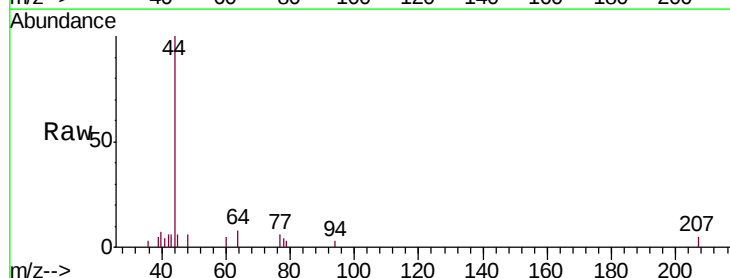
Acq: 12 Sep 2019 01:40

Tgt Ion: 94 Resp: 39

Ion Ratio Lower Upper

94 100

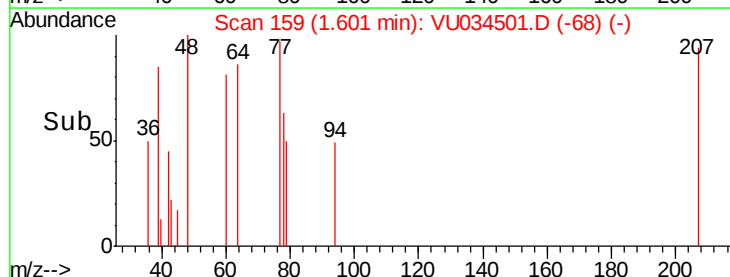
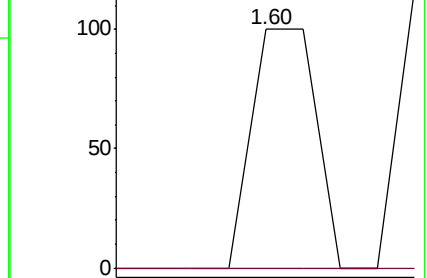
96 0.0 75.7 113.5#

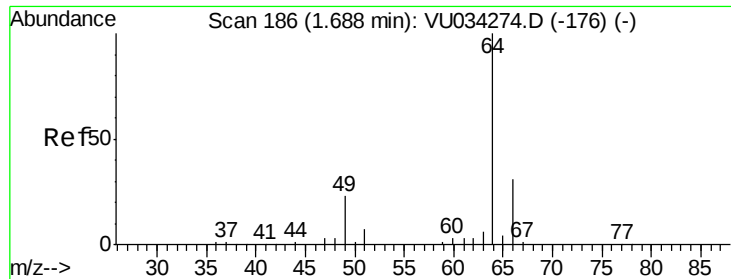


Abundance Ion 93.90 (93.60 to 94.60): VU034274.D (-152) (-)

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

1.60





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 189

Delta R.T. 0.01 min

Lab File: VU034501.D

Acq: 12 Sep 2019 01:40

Instrument :

MSVOA_U

ClientSampleId :

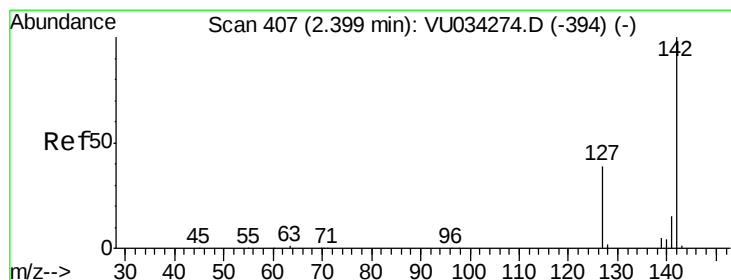
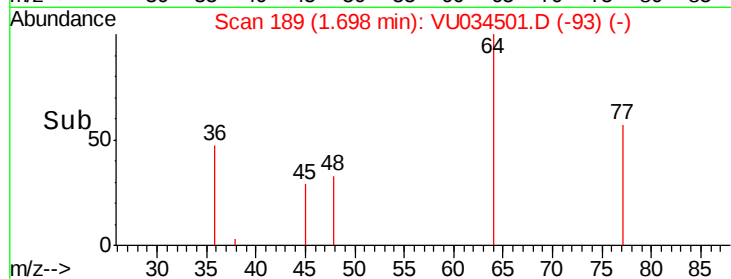
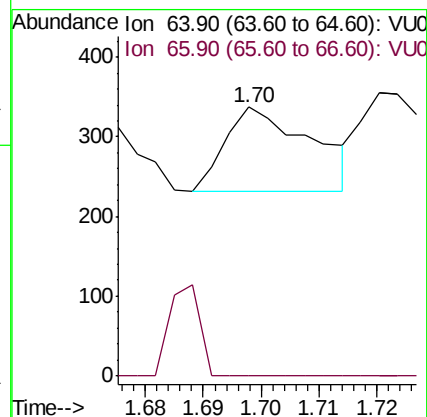
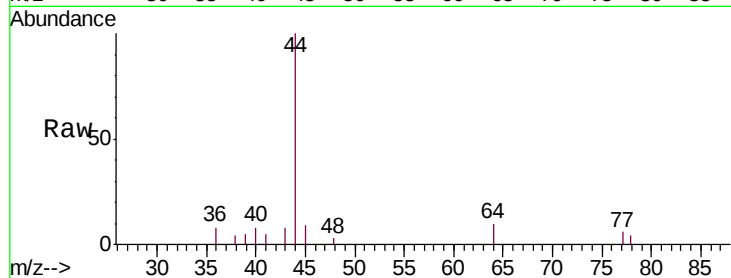
T11-B2-(0)

Tgt Ion: 64 Resp: 108

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



#10

Methyl Iodide

Concen: 3.892 ug/l

RT: 2.41 min Scan# 409

Delta R.T. 0.01 min

Lab File: VU034501.D

Acq: 12 Sep 2019 01:40

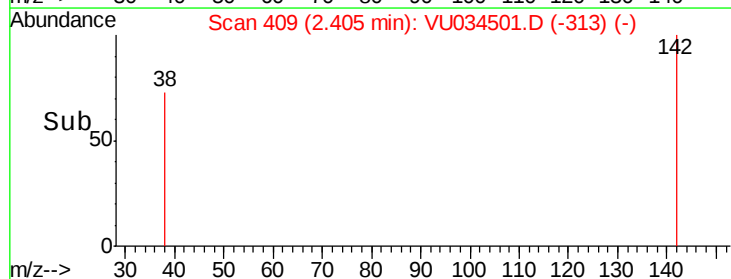
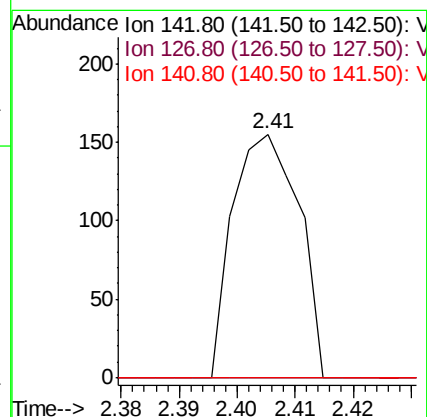
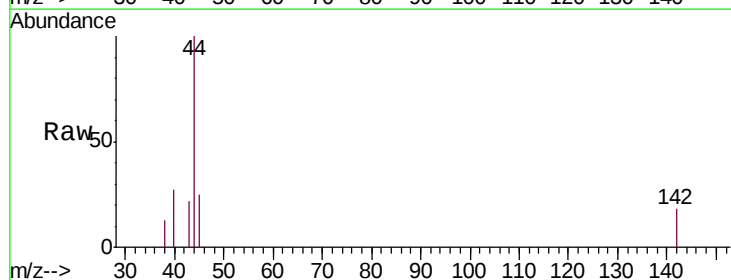
Tgt Ion: 142 Resp: 122

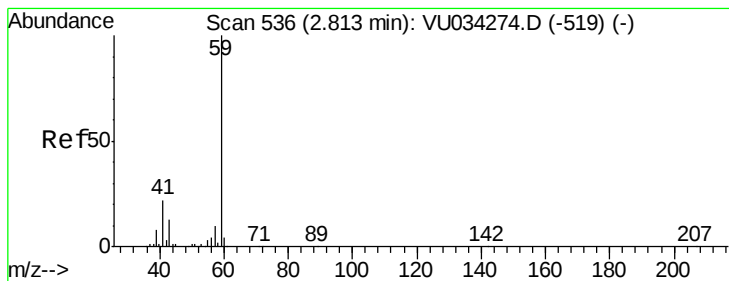
Ion Ratio Lower Upper

142 100

127 0.0 32.1 48.1#

141 0.0 11.5 17.3#





#11

Tert butyl alcohol

Concen: 7.443 ug/l

RT: 2.83 min Scan# 540

Delta R.T. 0.01 min

Lab File: VU034501.D

Acq: 12 Sep 2019 01:40

Instrument :

MSVOA_U

ClientSampleId :

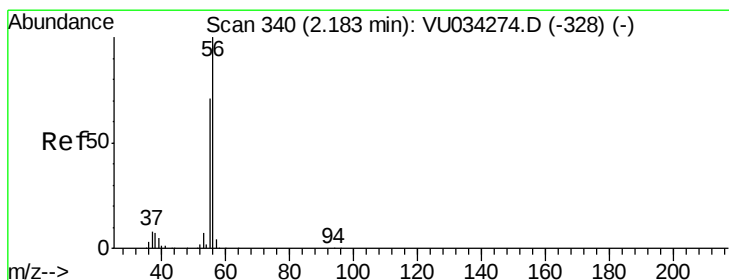
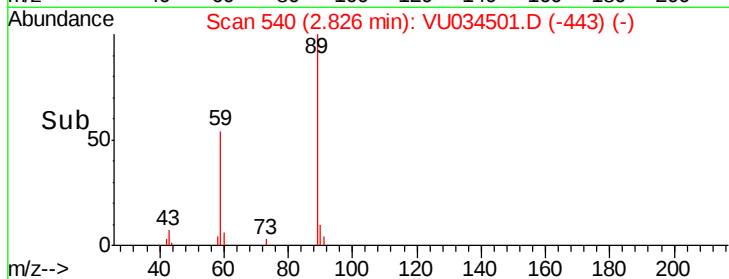
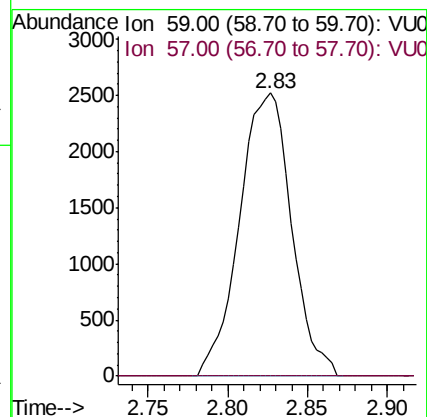
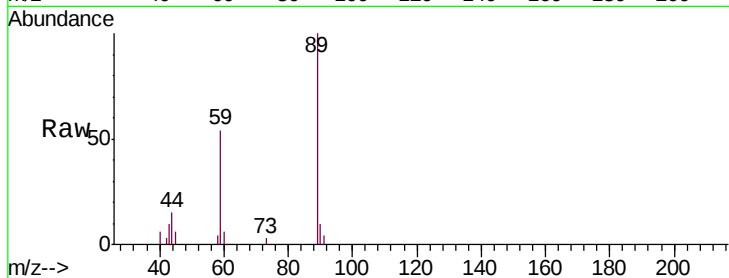
T11-B2-(0)

Tgt Ion: 59 Resp: 5615

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#



#13

Acrolein

Concen: 0.203 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034501.D

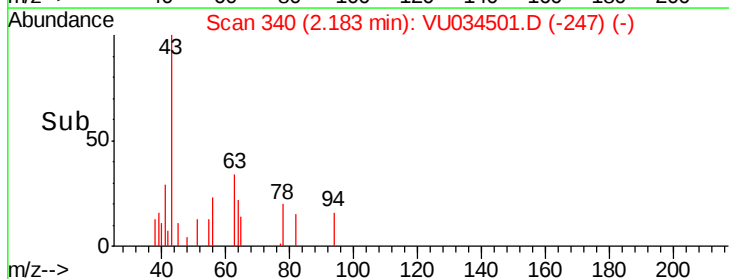
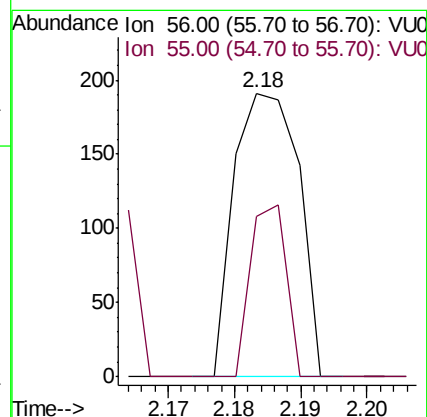
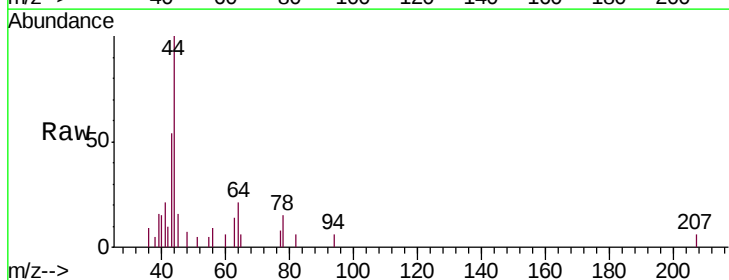
Acq: 12 Sep 2019 01:40

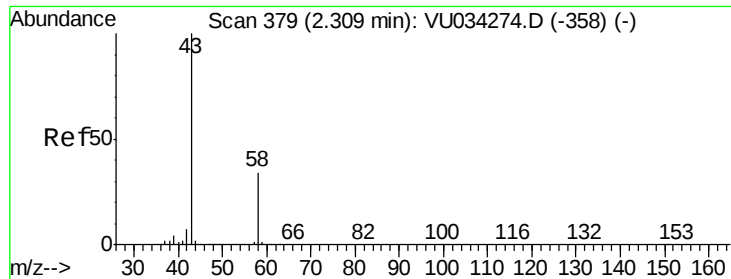
Tgt Ion: 56 Resp: 129

Ion Ratio Lower Upper

56 100

55 33.3 57.4 86.2#





#16

Acetone

Concen: 6.241 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034501.D

Acq: 12 Sep 2019 01:40

Instrument :

MSVOA_U

ClientSampleId :

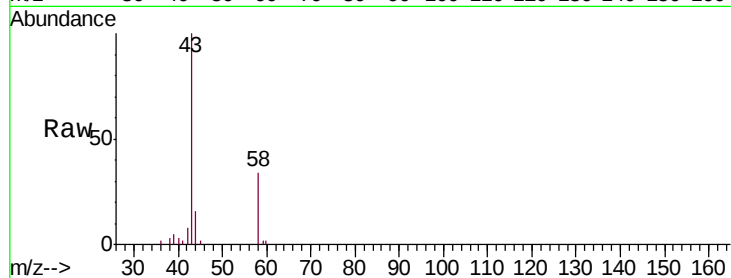
T11-B2-(0)

Tgt Ion: 43 Resp: 11533

Ion Ratio Lower Upper

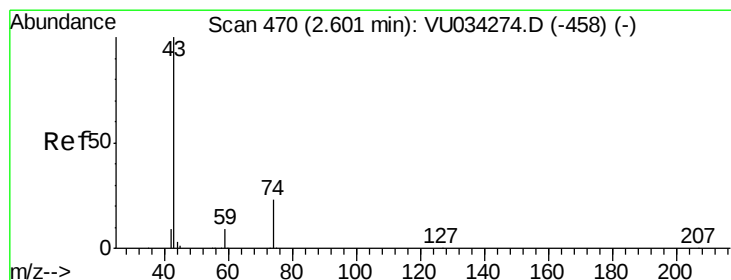
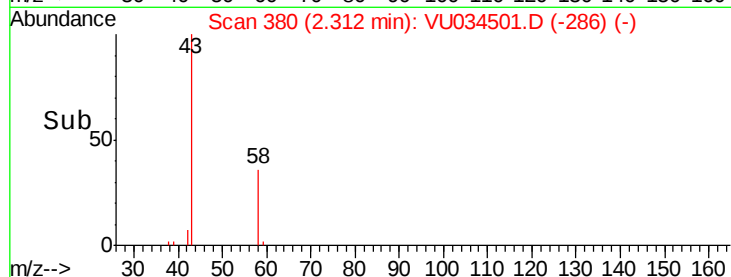
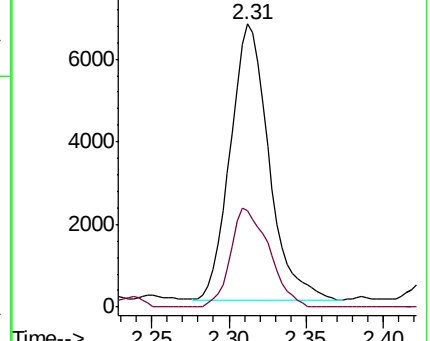
43 100

58 35.1 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-358) (-)

Ion 58.00 (57.70 to 58.70): VU034274.D (-358) (-)



#18

Methyl Acetate

Concen: 0.647 ug/l

RT: 2.62 min Scan# 475

Delta R.T. 0.02 min

Lab File: VU034501.D

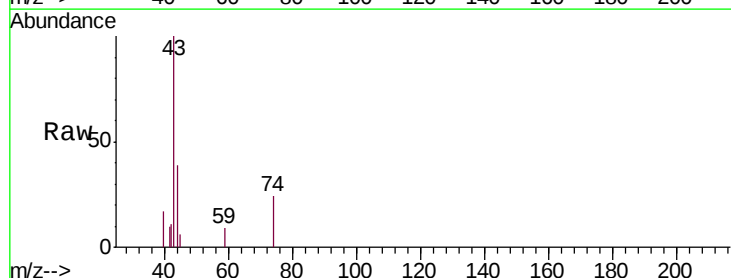
Acq: 12 Sep 2019 01:40

Tgt Ion: 43 Resp: 2910

Ion Ratio Lower Upper

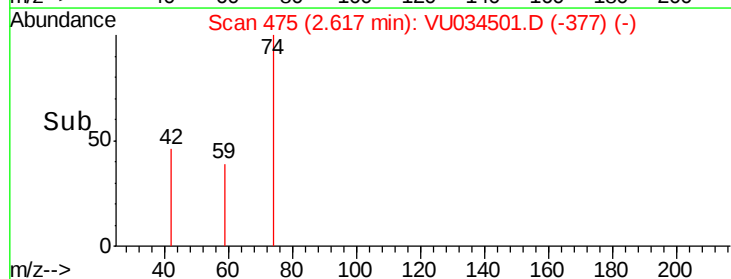
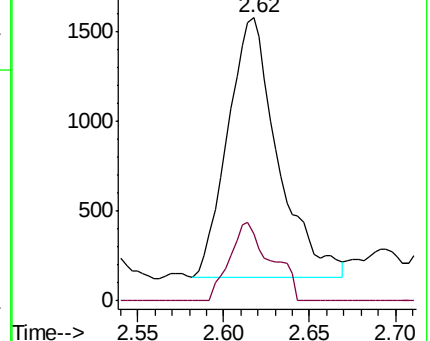
43 100

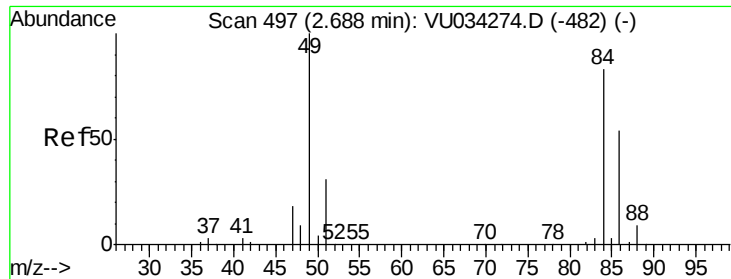
74 25.0 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-458) (-)

Ion 74.00 (73.70 to 74.70): VU034274.D (-458) (-)

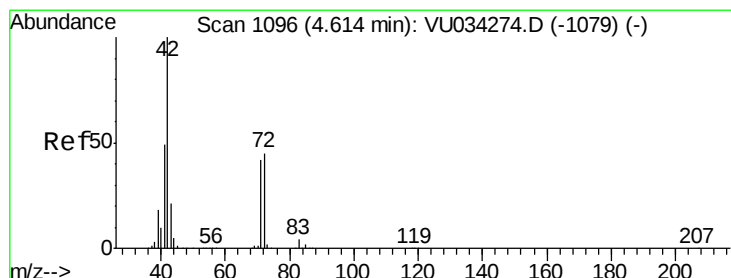
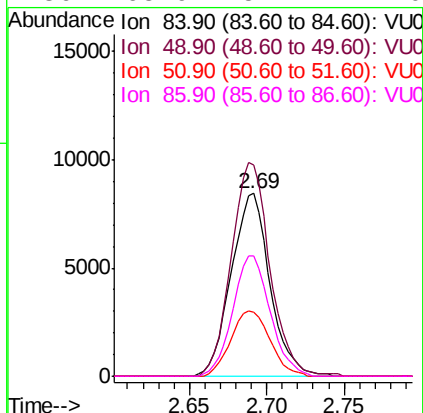
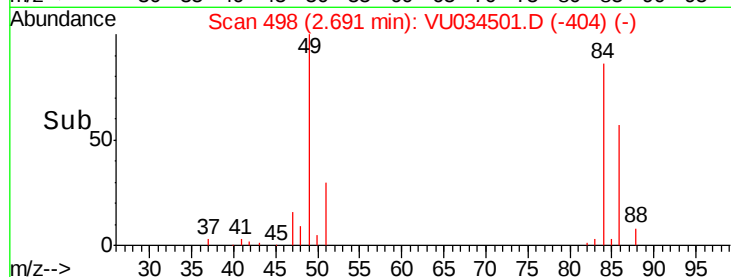
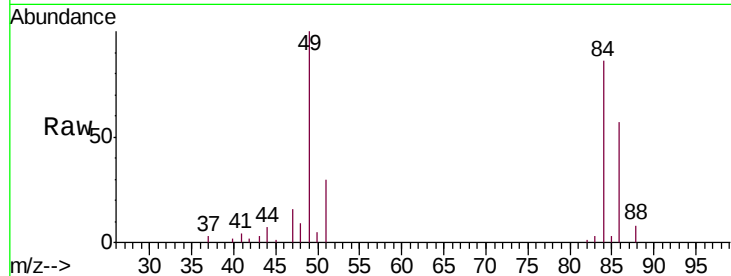




#20
Methylene Chloride
Concen: 4.485 ug/l
RT: 2.69 min Scan# 498
Delta R.T. 0.00 min
Lab File: VU034501.D
Acq: 12 Sep 2019 01:40

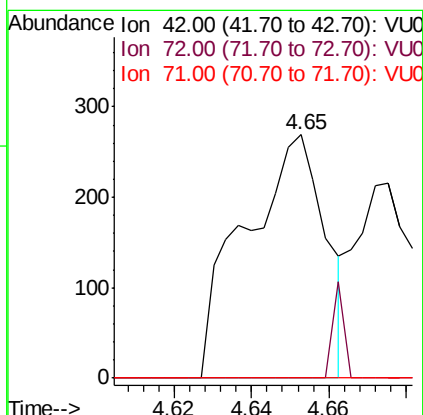
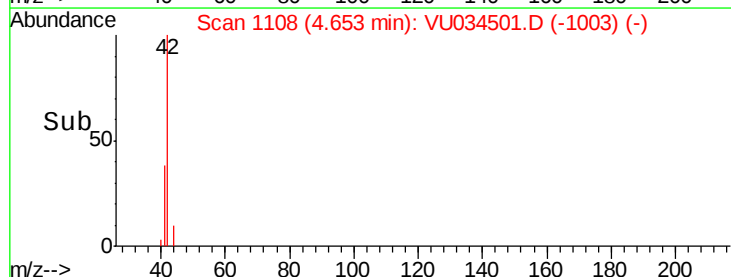
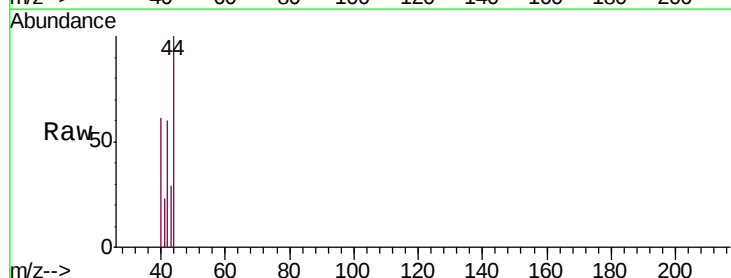
Instrument :
MSVOA_U
ClientSampleId :
T11-B2-(0)

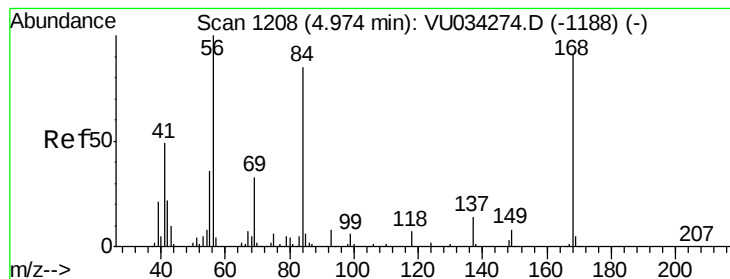
Tgt Ion:	84	Resp:	14677
Ion	Ratio	Lower	Upper
84	100		
49	115.8	96.0	144.0
51	35.0	30.0	45.0
86	65.9	51.4	77.0



#29
Tetrahydrofuran
Concen: 0.259 ug/l
RT: 4.65 min Scan# 1108
Delta R.T. 0.04 min
Lab File: VU034501.D
Acq: 12 Sep 2019 01:40

Tgt Ion:	42	Resp:	389
Ion	Ratio	Lower	Upper
42	100		
72	5.4	36.6	54.8#
71	0.0	34.3	51.5#





#31

Cyclohexane

Concen: 1.056 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VU034501.D

Acq: 12 Sep 2019 01:40

Instrument :

MSVOA_U

ClientSampleId :

T11-B2-(0)

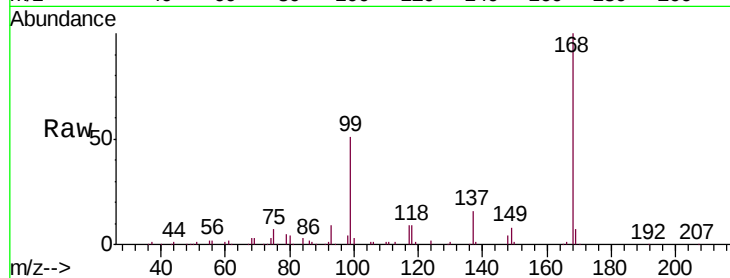
Tgt Ion: 56 Resp: 4416

Ion Ratio Lower Upper

56 100

69 171.4 26.7 40.1#

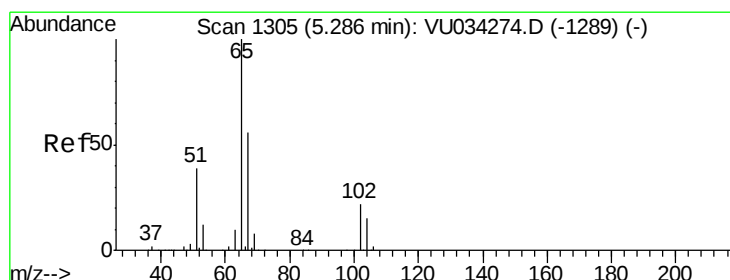
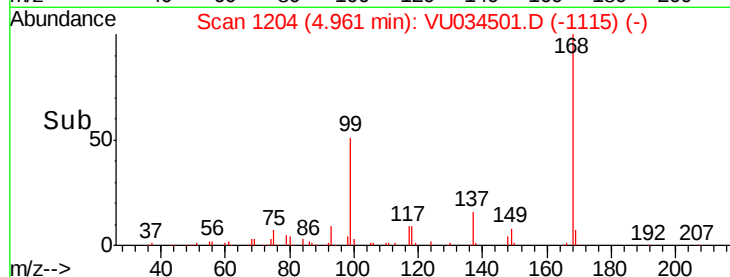
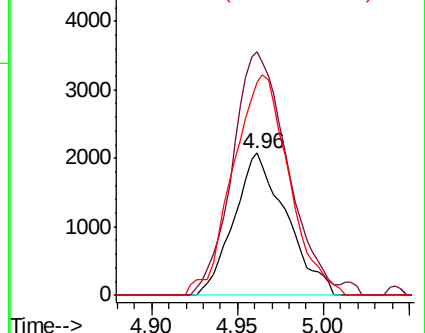
84 144.5 68.2 102.4#



Abundance Ion 56.00 (55.70 to 56.70): VU034501.D (-1115) (-)

Ion 69.00 (68.70 to 69.70): VU034501.D (-1115) (-)

Ion 84.00 (83.70 to 84.70): VU034501.D (-1115) (-)



#33

1,2-Dichloroethane-d4

Concen: 62.199 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU034501.D

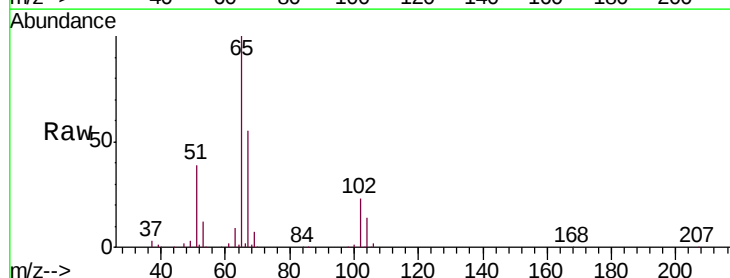
Acq: 12 Sep 2019 01:40

Tgt Ion: 65 Resp: 222118

Ion Ratio Lower Upper

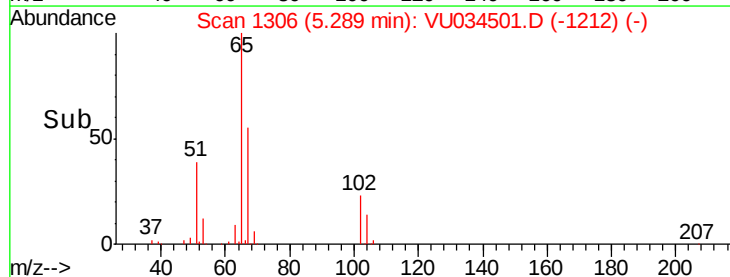
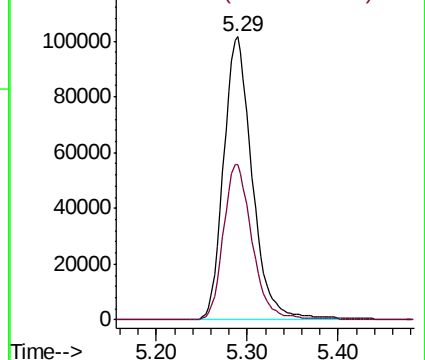
65 100

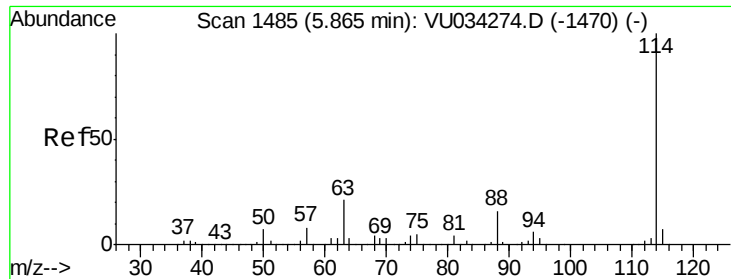
67 55.0 0.0 112.4



Abundance Ion 64.90 (64.60 to 65.60): VU034501.D (-1212) (-)

Ion 66.90 (66.60 to 67.60): VU034501.D (-1212) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.87 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VU034501.D

Acq: 12 Sep 2019 01:40

Instrument :

MSVOA_U

ClientSampleId :

T11-B2-(0)

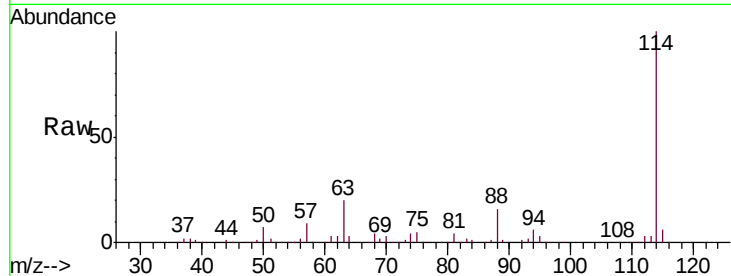
Tgt Ion:114 Resp: 351919

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

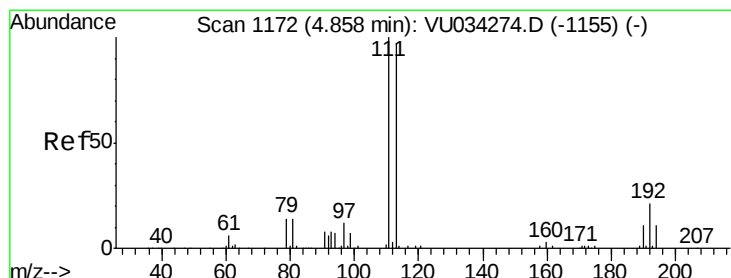
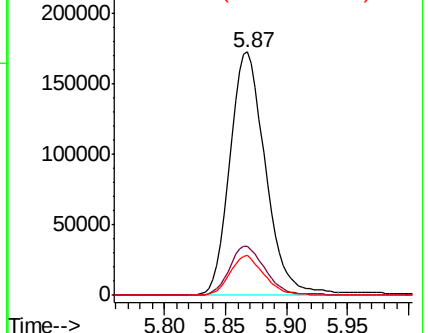
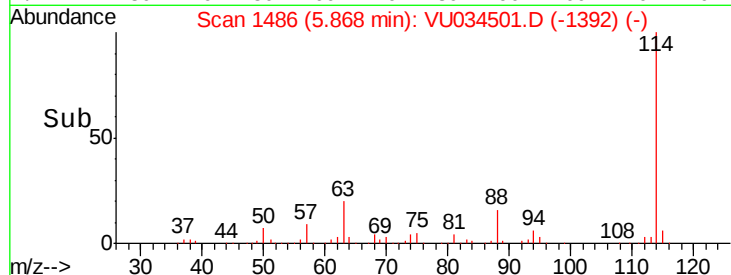
88 16.2 0.0 32.4



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: 58.107 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034501.D

Acq: 12 Sep 2019 01:40

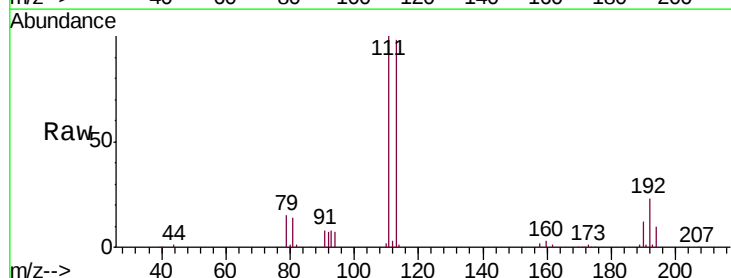
Tgt Ion:113 Resp: 190278

Ion Ratio Lower Upper

113 100

111 103.7 81.5 122.3

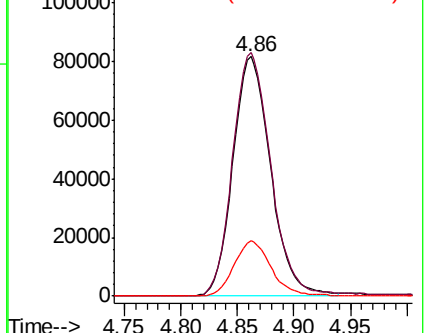
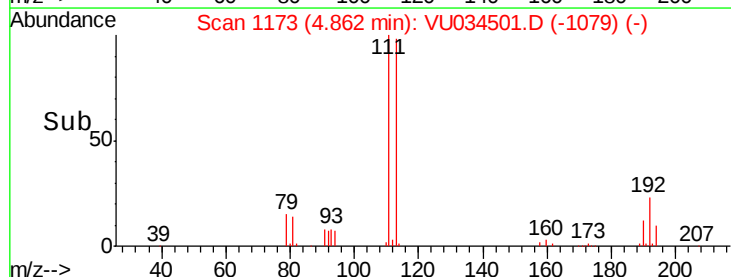
192 22.7 17.8 26.8

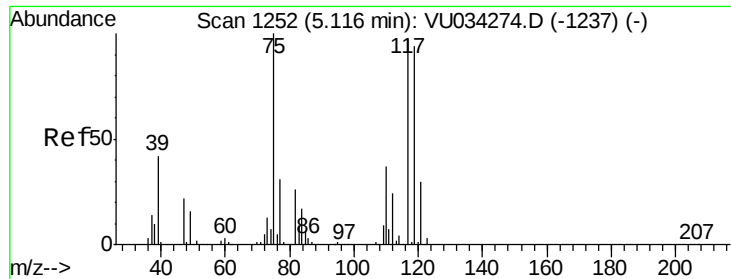


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

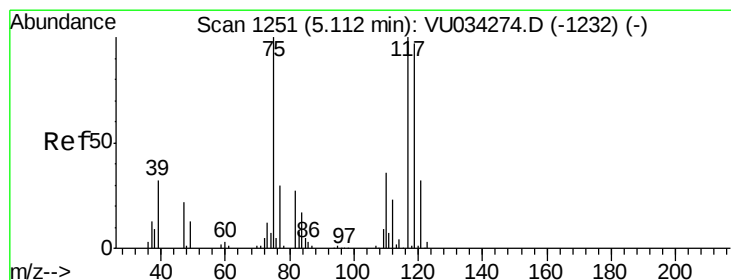
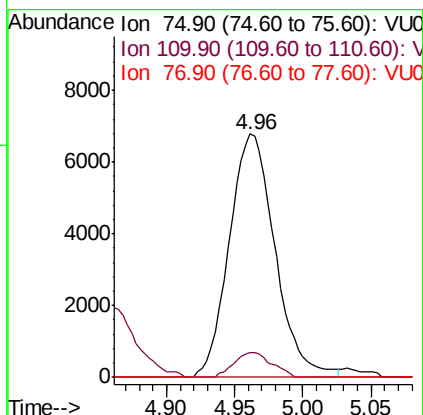
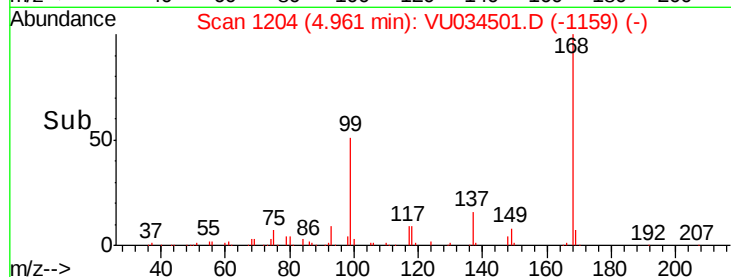
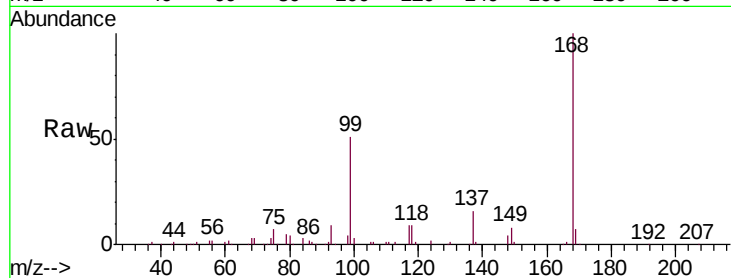




#36
 1,1-Dichloropropene
 Concen: 4.137 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034501.D
 Acq: 12 Sep 2019 01:40

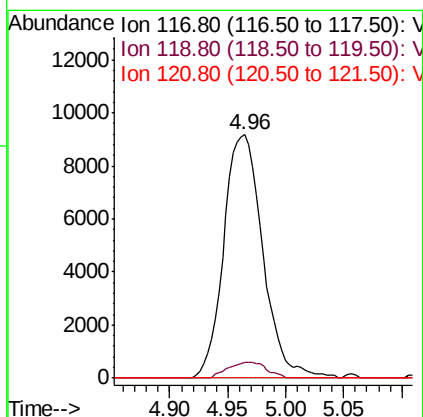
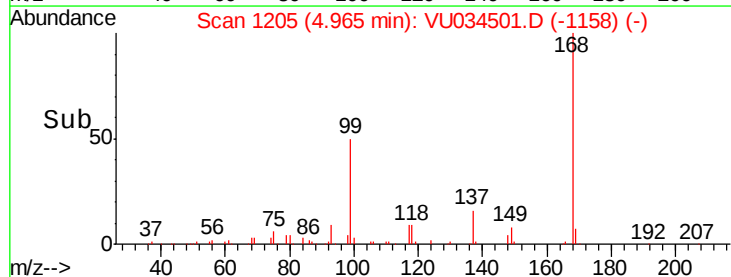
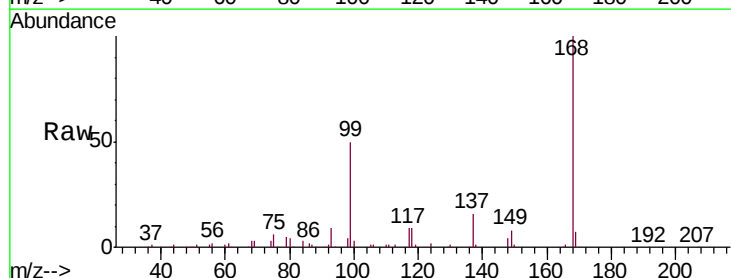
Instrument :
 MSVOA_U
 ClientSampled :
 T11-B2-(0)

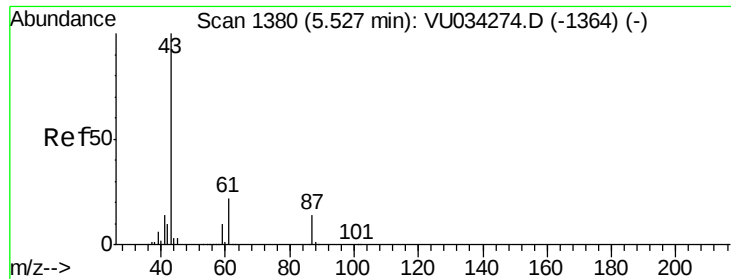
Tgt Ion: 75 Resp: 15788
 Ion Ratio Lower Upper
 75 100
 110 8.4 18.3 54.9#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 5.277 ug/l
 RT: 4.96 min Scan# 1205
 Delta R.T. -0.15 min
 Lab File: VU034501.D
 Acq: 12 Sep 2019 01:40

Tgt Ion: 117 Resp: 21505
 Ion Ratio Lower Upper
 117 100
 119 6.6 77.8 116.6#
 121 0.0 25.2 37.8#





#43

Isopropyl Acetate

Concen: 2.831 ug/l

RT: 5.54 min Scan# 1384

Delta R.T. 0.01 min

Lab File: VU034501.D

Acq: 12 Sep 2019 01:40

Instrument :

MSVOA_U

ClientSampleId :

T11-B2-(0)

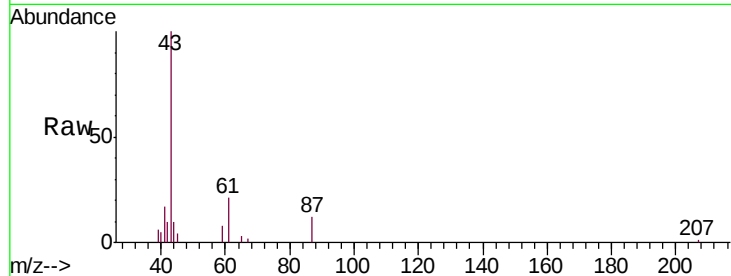
Tgt Ion: 43 Resp: 19931

Ion Ratio Lower Upper

43 100

61 21.3 17.1 25.7

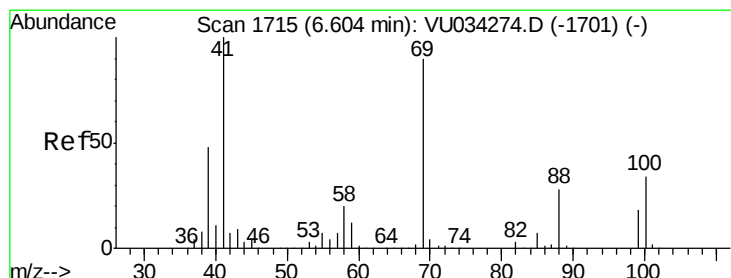
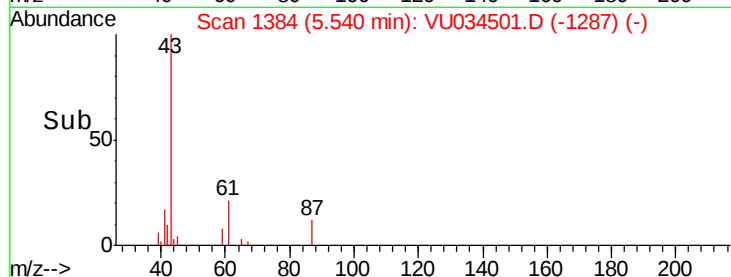
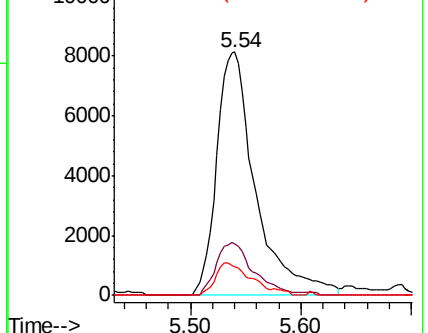
87 12.5 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-1364) (-)

Ion 61.00 (60.70 to 61.70): VU034274.D (-1364) (-)

Ion 87.00 (86.70 to 87.70): VU034274.D (-1364) (-)



#48

Methyl methacrylate

Concen: 3.591 ug/l

RT: 6.69 min Scan# 1741

Delta R.T. 0.08 min

Lab File: VU034501.D

Acq: 12 Sep 2019 01:40

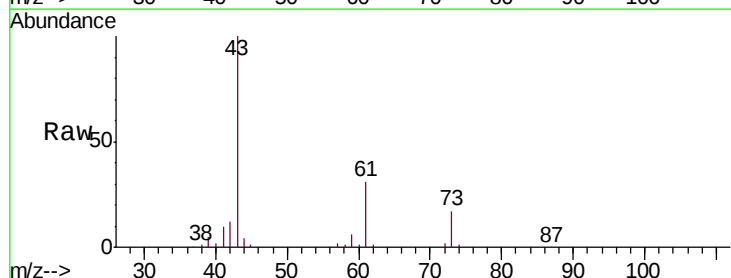
Tgt Ion: 41 Resp: 12005

Ion Ratio Lower Upper

41 100

69 0.0 72.8 109.2#

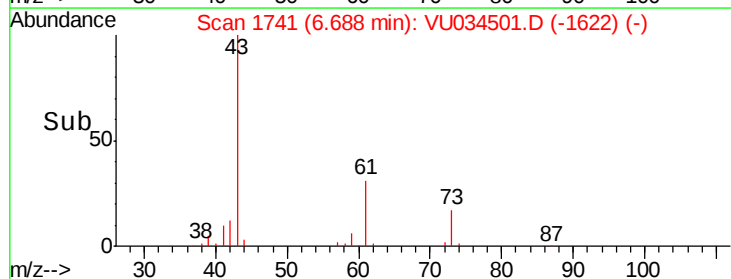
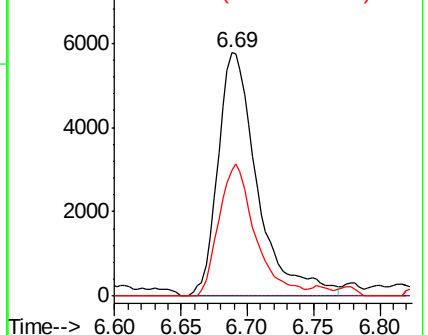
39 50.0 38.6 58.0

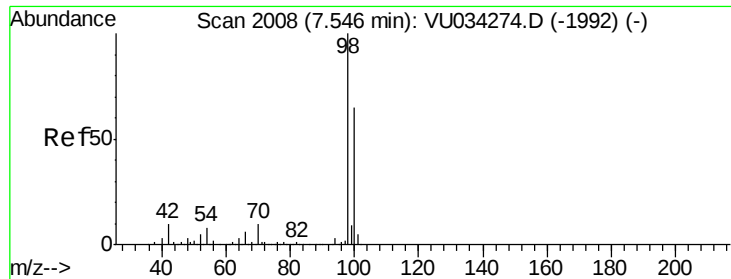


Abundance Ion 41.00 (40.70 to 41.70): VU034274.D (-1701) (-)

Ion 69.00 (68.70 to 69.70): VU034274.D (-1701) (-)

Ion 39.00 (38.70 to 39.70): VU034274.D (-1701) (-)





#50

Toluene-d8

Concen: 54.777 ug/l

RT: 7.54 min Scan# 2007

Delta R.T. -0.00 min

Lab File: VU034501.D

Acq: 12 Sep 2019 01:40

Instrument :

MSVOA_U

ClientSampleId :

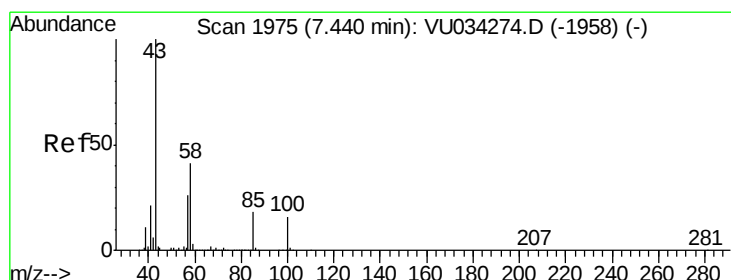
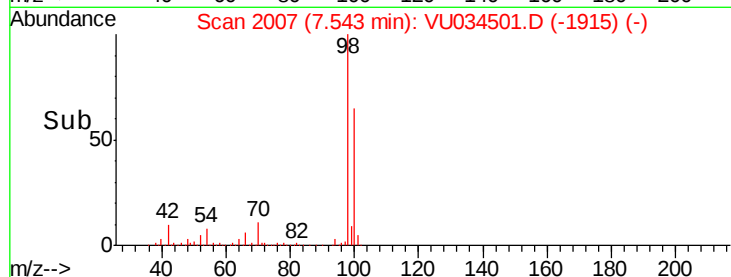
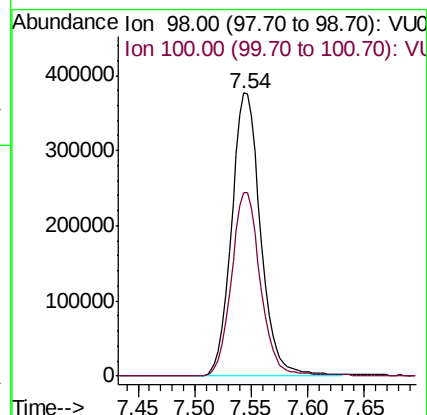
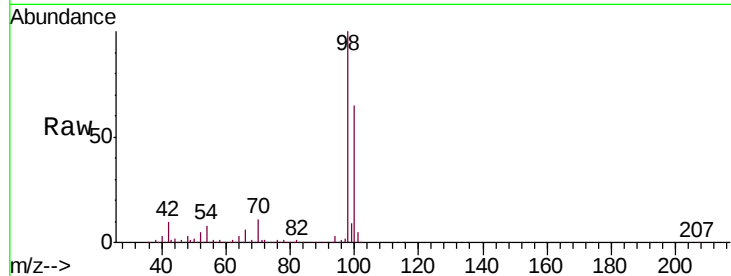
T11-B2-(0)

Tgt Ion: 98 Resp: 673916

Ion Ratio Lower Upper

98 100

100 65.4 51.7 77.5



#51

4-Methyl-2-Pentanone

Concen: 6.419 ug/l

RT: 7.40 min Scan# 1963

Delta R.T. -0.04 min

Lab File: VU034501.D

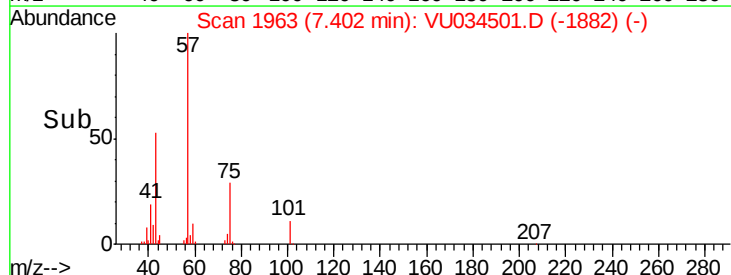
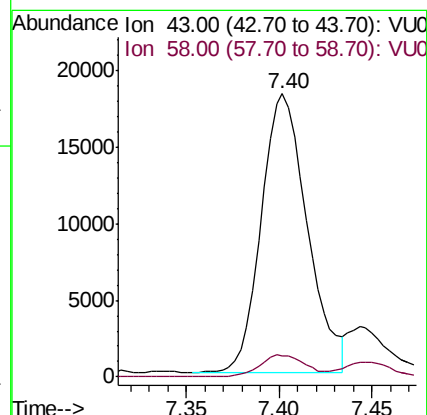
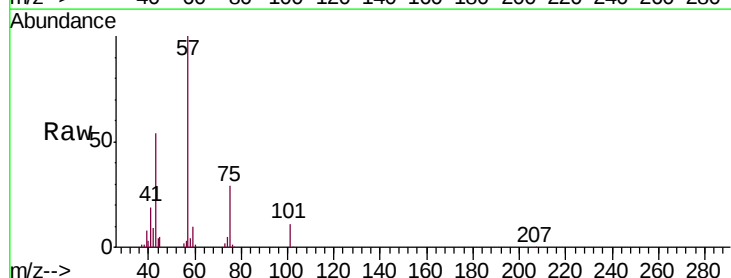
Acq: 12 Sep 2019 01:40

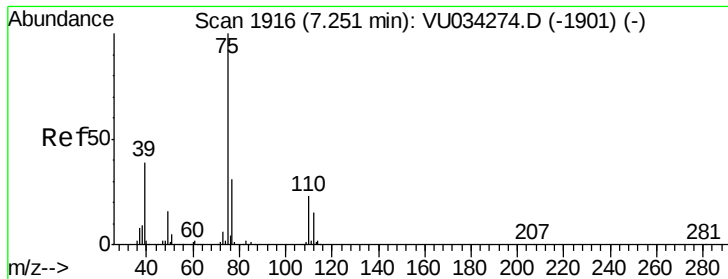
Tgt Ion: 43 Resp: 31277

Ion Ratio Lower Upper

43 100

58 7.8 33.0 49.4#



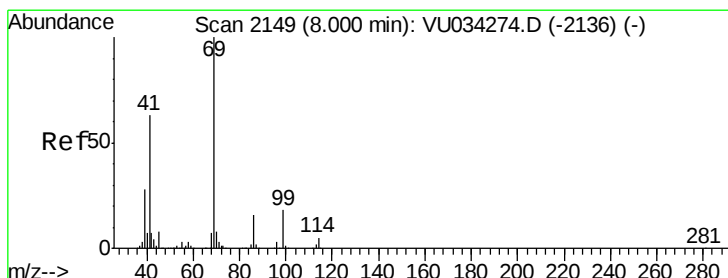
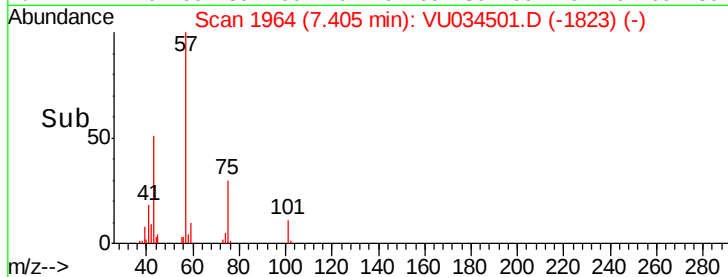
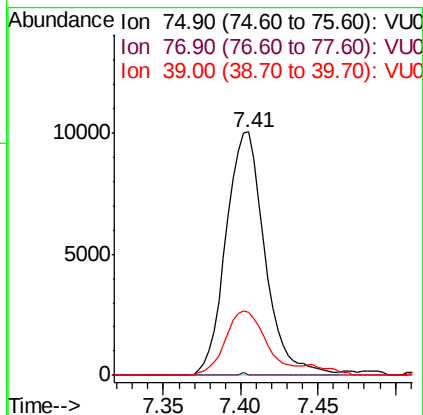
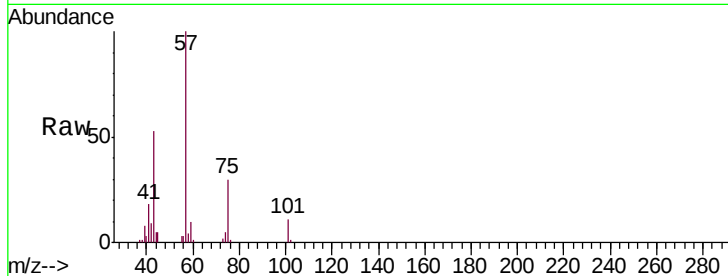


#54

cis-1,3-Dichloropropene
 Concen: 3.313 ug/l
 RT: 7.41 min Scan# 1964
 Delta R.T. 0.15 min
 Lab File: VU034501.D
 Acq: 12 Sep 2019 01:40

Instrument :
 MSVOA_U
 ClientSampleId :
 T11-B2-(0)

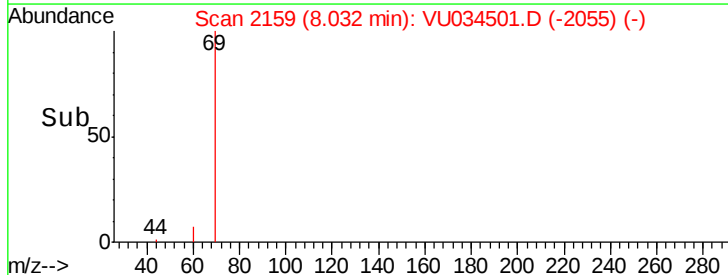
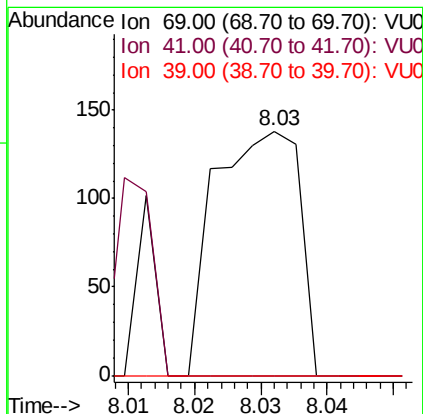
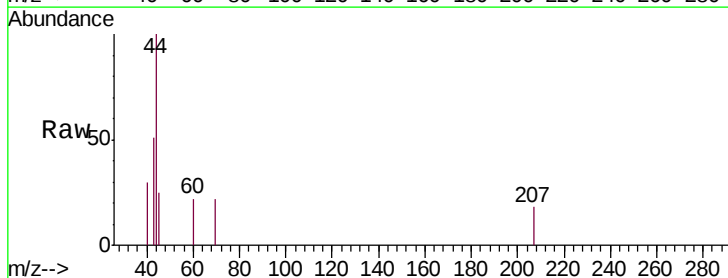
Tgt Ion: 75 Resp: 17536
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 25.8 31.2 46.8#

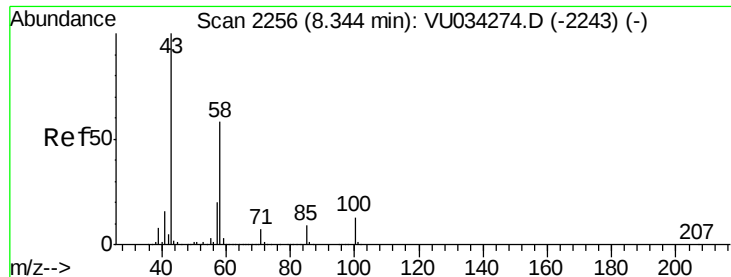


#56

Ethyl methacrylate
 Concen: 3.098 ug/l
 RT: 8.03 min Scan# 2159
 Delta R.T. 0.03 min
 Lab File: VU034501.D
 Acq: 12 Sep 2019 01:40

Tgt Ion: 69 Resp: 122
 Ion Ratio Lower Upper
 69 100
 41 0.0 49.5 74.3#
 39 0.0 22.5 33.7#

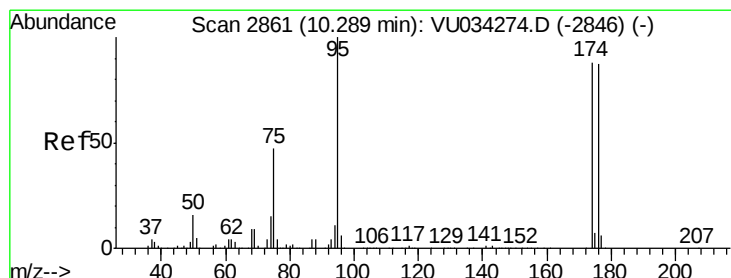
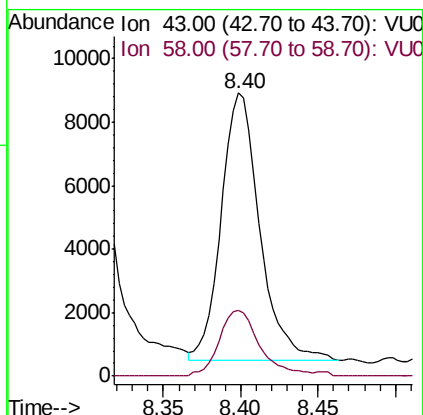
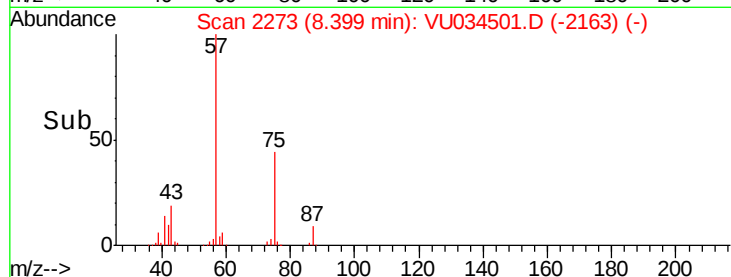
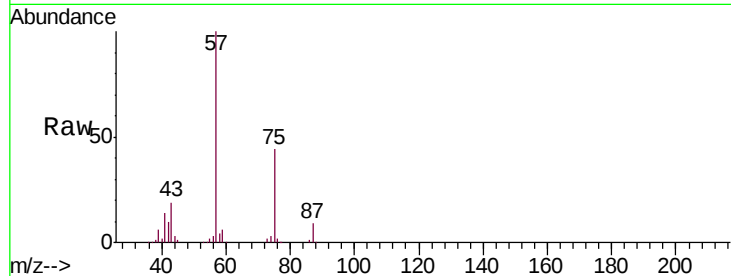




#59
2-Hexanone
Concen: 4.025 ug/l
RT: 8.40 min Scan# 2273
Delta R.T. 0.05 min
Lab File: VU034501.D
Acq: 12 Sep 2019 01:40

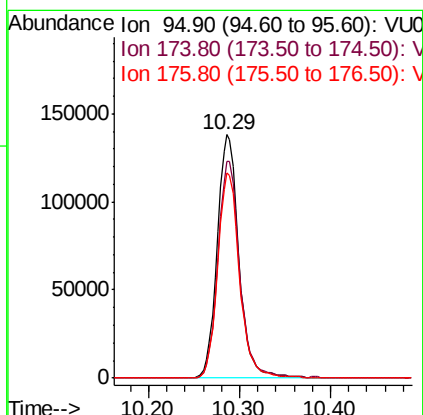
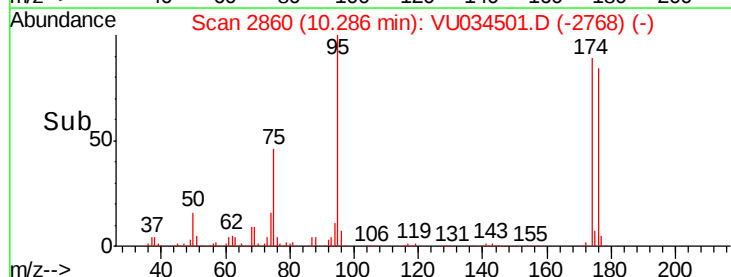
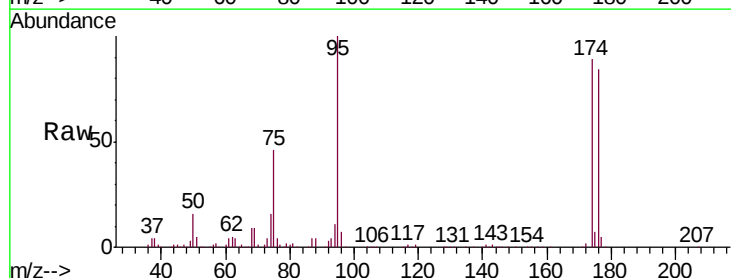
Instrument :
MSVOA_U
ClientSampleId :
T11-B2-(0)

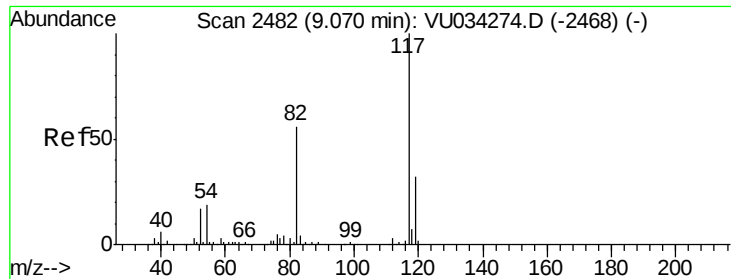
Tgt Ion: 43 Resp: 14650
Ion Ratio Lower Upper
43 100
58 25.9 28.8 86.5#



#62
4-Bromofluorobenzene
Concen: 48.013 ug/l
RT: 10.29 min Scan# 2860
Delta R.T. -0.00 min
Lab File: VU034501.D
Acq: 12 Sep 2019 01:40

Tgt Ion: 95 Resp: 228062
Ion Ratio Lower Upper
95 100
174 89.9 0.0 175.2
176 85.0 0.0 168.0

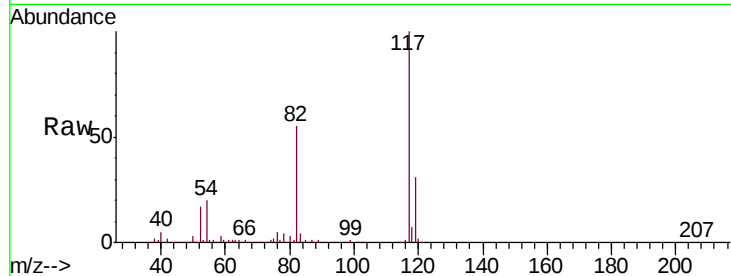




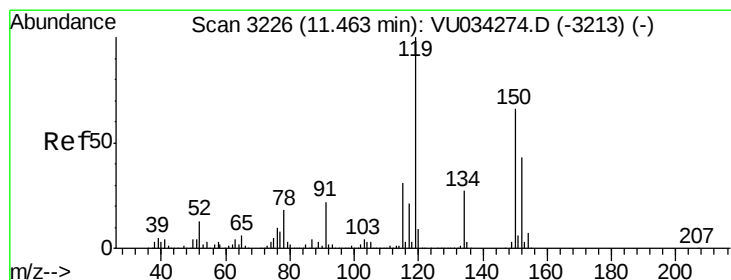
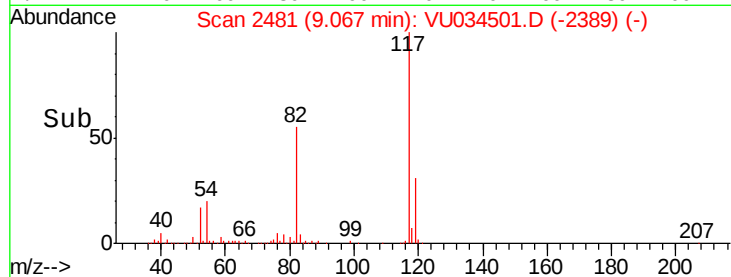
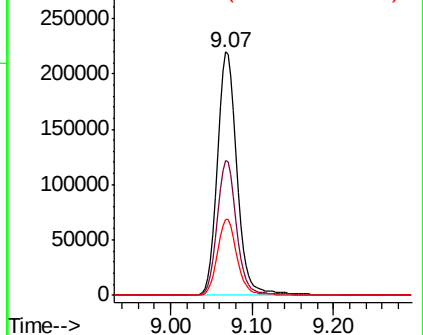
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2481
Delta R.T. -0.00 min
Lab File: VU034501.D
Acq: 12 Sep 2019 01:40

Instrument :
MSVOA_U
ClientSampleId :
T11-B2-(0)

Tgt Ion:117 Resp: 377916
Ion Ratio Lower Upper
117 100
82 55.3 44.6 67.0
119 31.1 25.9 38.9

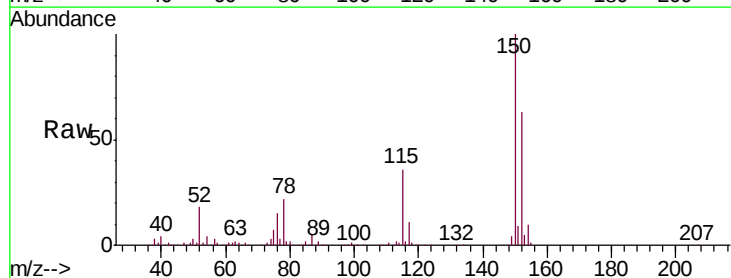


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

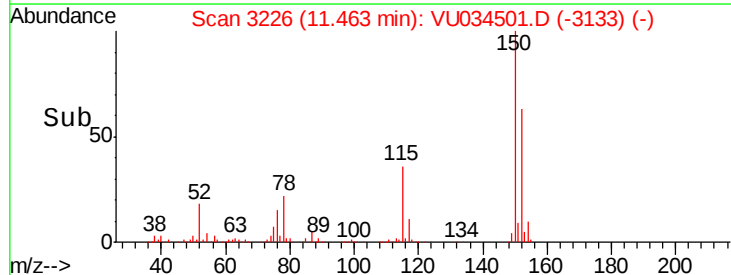
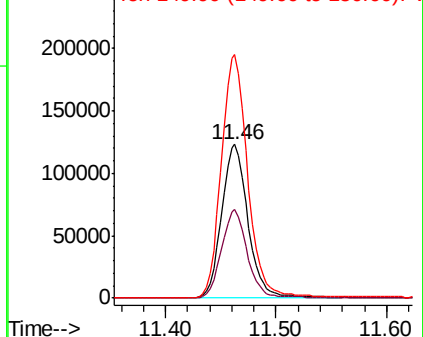


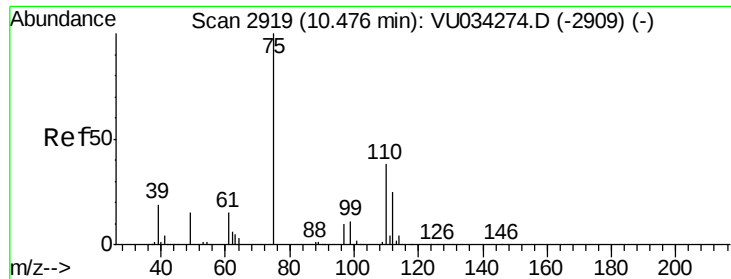
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VU034501.D
Acq: 12 Sep 2019 01:40

Tgt Ion:152 Resp: 204356
Ion Ratio Lower Upper
152 100
115 56.7 39.1 117.3
150 159.2 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

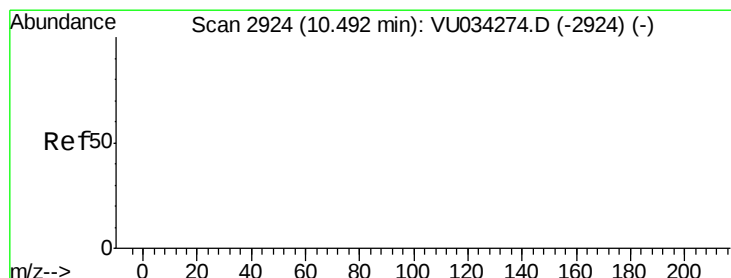
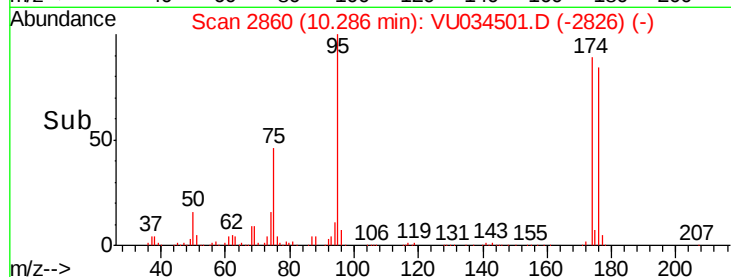
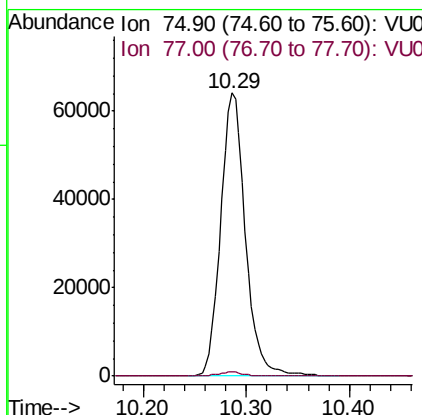
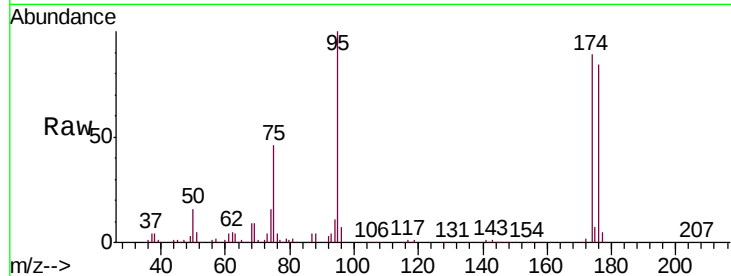




#76
 1,2,3-Trichloropropane
 Concen: 24.027 ug/l
 RT: 10.29 min Scan# 2860
 Delta R.T. -0.19 min
 Lab File: VU034501.D
 Acq: 12 Sep 2019 01:40

Instrument :
 MSVOA_U
 ClientSampleId :
 T11-B2-(0)

Tgt Ion: 75 Resp: 107179
 Ion Ratio Lower Upper
 75 100
 77 1.4 20.8 62.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.802 ug/l
 RT: 10.29 min Scan# 2860
 Delta R.T. -0.21 min
 Lab File: VU034501.D
 Acq: 12 Sep 2019 01:40

Tgt Ion: 75 Resp: 107179
 Ion Ratio Lower Upper
 75 100
 53 0.1 0.0 0.0#
 89 0.0 0.0 0.0

