

Data File : VU033988.D
Acq On : 27 Aug 2019 21:29
Operator : JC/SP
Sample : K4516-24
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
T1-S-B3-(2.5)

Quant Time: Aug 28 04:07:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082819W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 28 02:42:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	380871	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	563505	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	534659	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	247657	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	203536	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
35) Dibromofluoromethane	4.86	113	180368	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	
50) Toluene-d8	7.55	98	689377	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
62) 4-Bromofluorobenzene	10.29	95	232536	43.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.78%	

Target Compounds

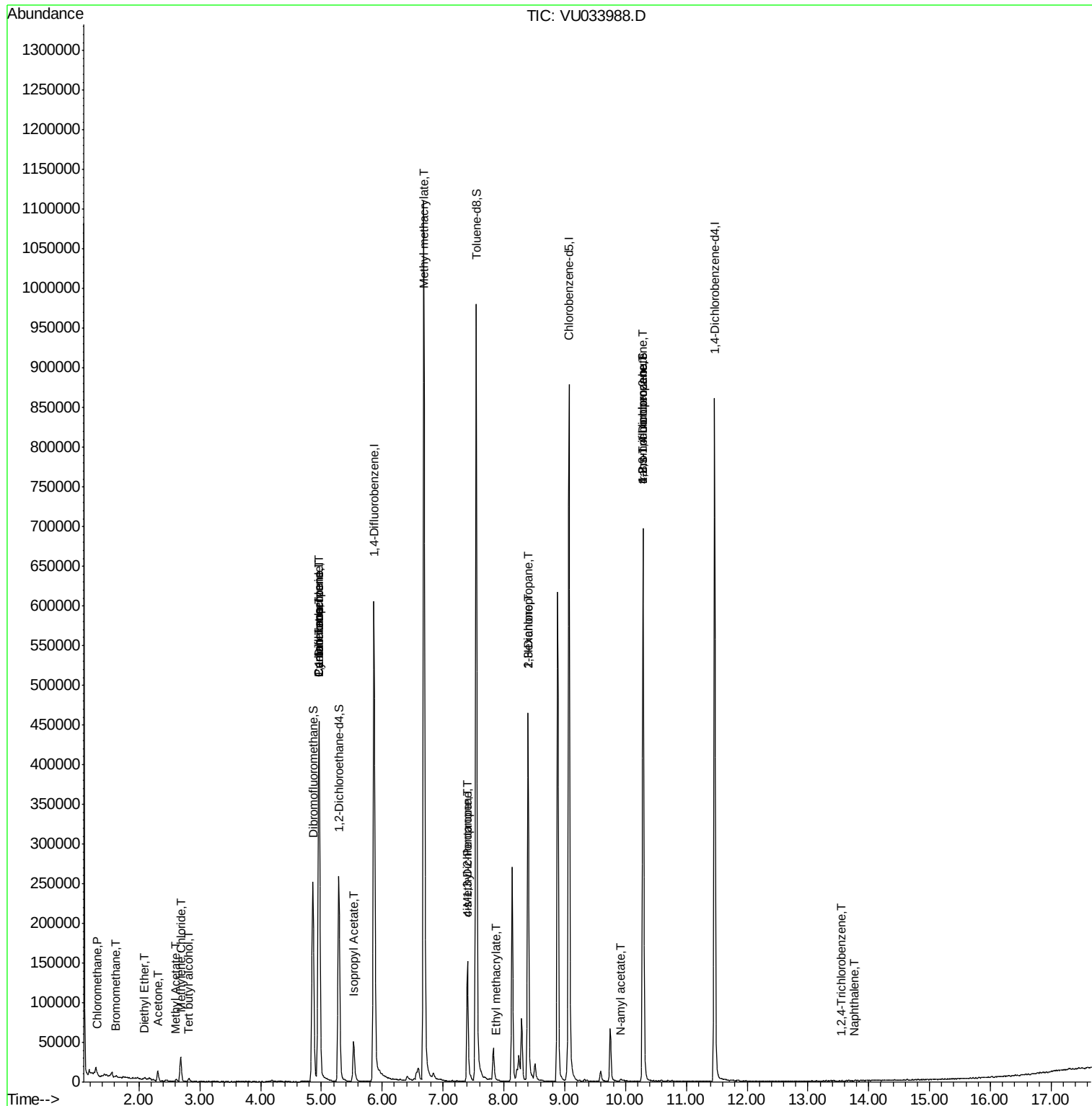
						Qvalue
3) Chloromethane	1.32	50	2039	1.394	ug/l #	86
5) Bromomethane	1.62	94	1182	0.509	ug/l #	66
8) Diethyl Ether	2.09	74	537	0.281	ug/l #	23
11) Tert butyl alcohol	2.82	59	2369	2.162	ug/l #	85
16) Acetone	2.31	43	14777	7.296	ug/l	94
18) Methyl Acetate	2.61	43	4292	0.860	ug/l #	87
20) Methylene Chloride	2.69	84	14738	3.430	ug/l	98
31) Cyclohexane	4.96	56	5678	0.910	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	23852	4.621	ug/l #	50
38) Carbon Tetrachloride	4.96	117	33033	6.280	ug/l #	15
43) Isopropyl Acetate	5.53	43	57720	7.272	ug/l	99
48) Methyl methacrylate	6.68	41	95230	25.234	ug/l #	34
51) 4-Methyl-2-Pentanone	7.40	43	54458	9.951	ug/l #	45
54) cis-1,3-Dichloropropene	7.40	75	28371	4.463	ug/l #	63
56) Ethyl methacrylate	7.88	69	228	2.548	ug/l #	29
57) 1,3-Dichloropropane	8.40	76	4934	0.740	ug/l #	43
59) 2-Hexanone	8.40	43	61998	14.739	ug/l #	50
74) N-amyl acetate	9.92	43	1622	0.271	ug/l #	40
76) 1,2,3-Trichloropropane	10.29	75	108888	22.066	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.29	75	108888	63.203	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.54	180	47	1.749	ug/l #	12
95) Naphthalene	13.77	128	43	2.086	ug/l #	70

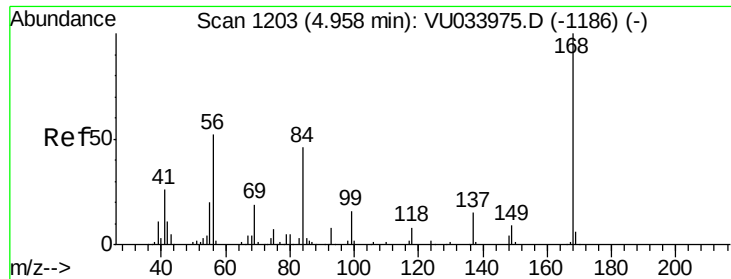
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU033988.D

Acq: 27 Aug 2019 21:29

Instrument :

MSVOA_U

ClientSampleId :

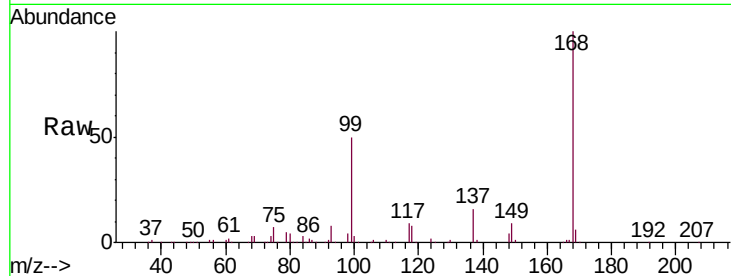
T1-S-B3-(2.5)

Tgt Ion:168 Resp: 380871

Ion Ratio Lower Upper

168 100

99 49.8 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): VU033975.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU033975.D (-1186) (-)

4.96

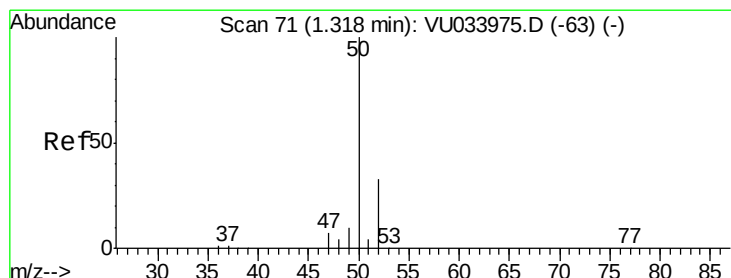
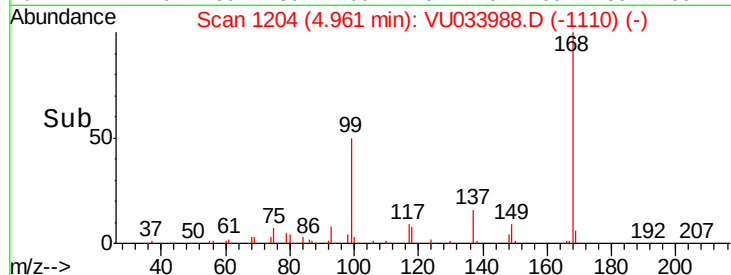
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 1.394 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.01 min

Lab File: VU033988.D

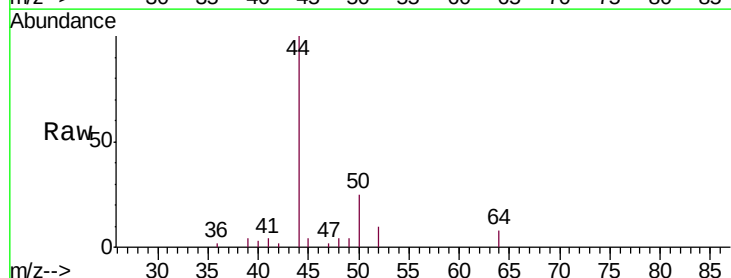
Acq: 27 Aug 2019 21:29

Tgt Ion: 50 Resp: 2039

Ion Ratio Lower Upper

50 100

52 40.6 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VU033975.D (-63) (-)

Ion 51.90 (51.60 to 52.60): VU033975.D (-63) (-)

1.32

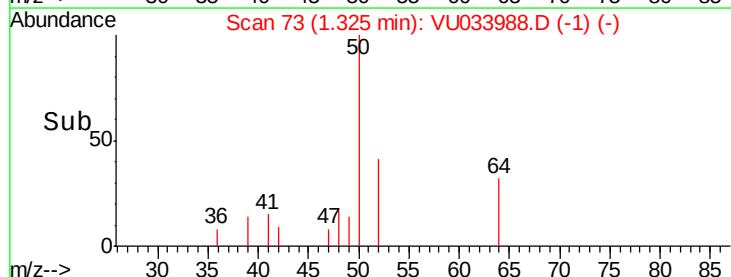
1500

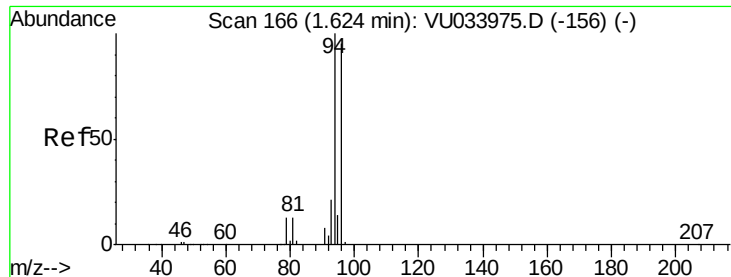
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.509 ug/l

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU033988.D

Acq: 27 Aug 2019 21:29

Instrument :

MSVOA_U

ClientSampleId :

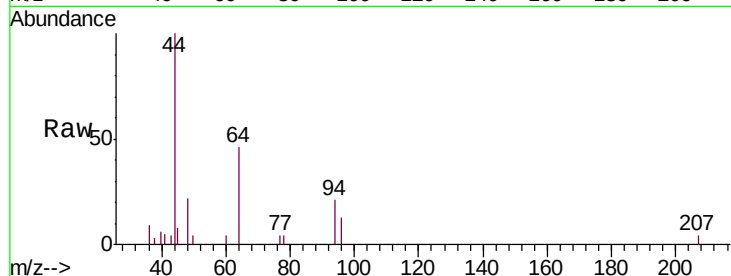
T1-S-B3-(2.5)

Tgt Ion: 94 Resp: 1182

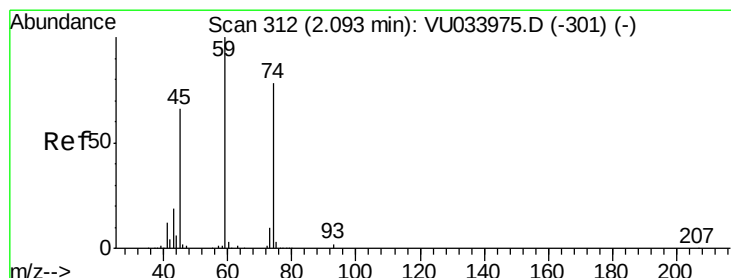
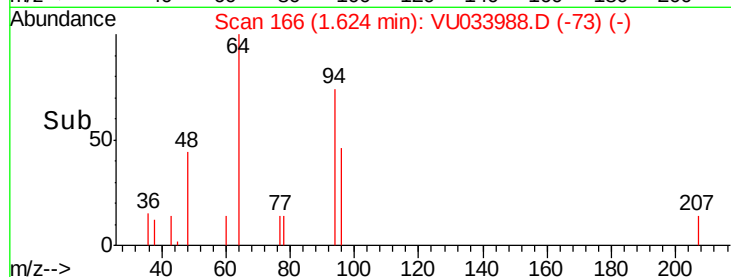
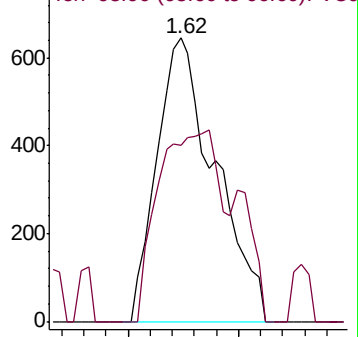
Ion Ratio Lower Upper

94 100

96 62.0 76.3 114.5#



Abundance Ion 93.90 (93.60 to 94.60): VU033975.D (-156) (-)



#8

Diethyl Ether

Concen: 0.281 ug/l

RT: 2.09 min Scan# 311

Delta R.T. -0.00 min

Lab File: VU033988.D

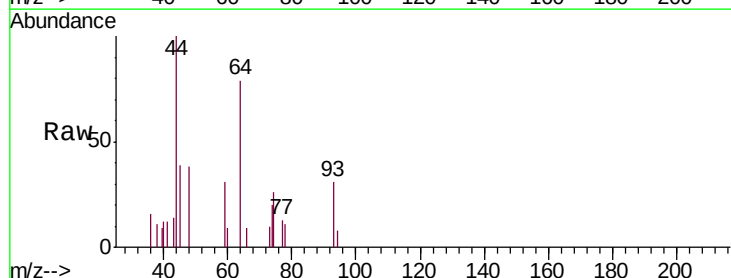
Acq: 27 Aug 2019 21:29

Tgt Ion: 74 Resp: 537

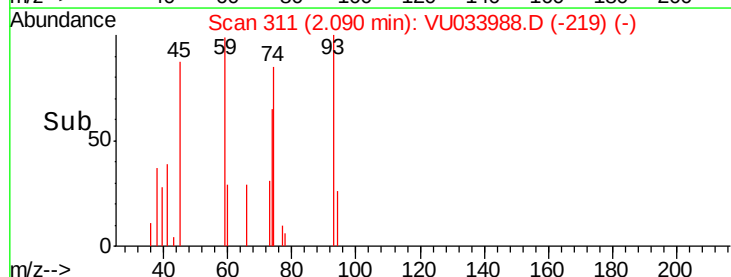
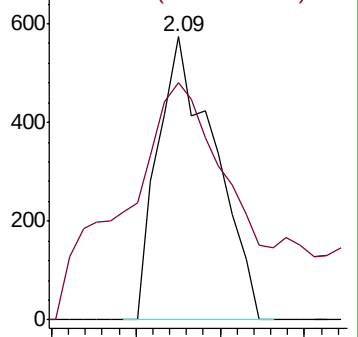
Ion Ratio Lower Upper

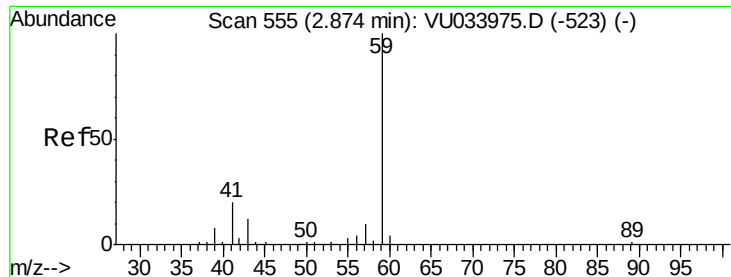
74 100

45 155.7 42.8 128.4#



Abundance Ion 74.00 (73.70 to 74.70): VU033975.D (-301) (-)



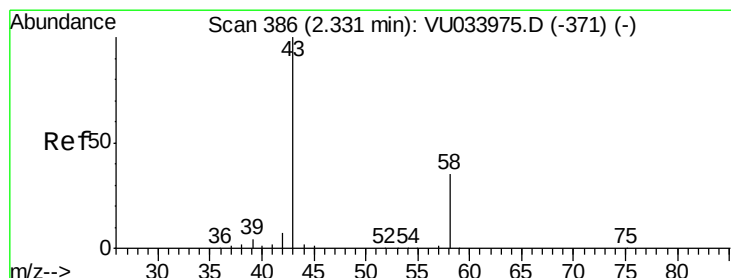
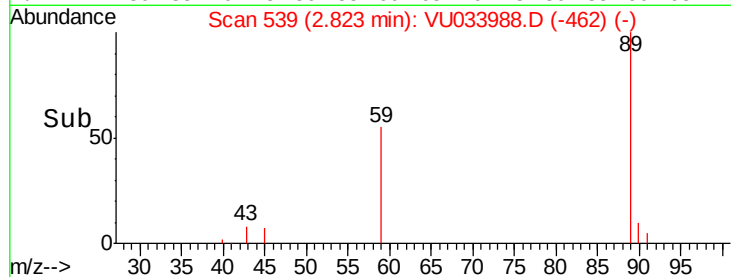
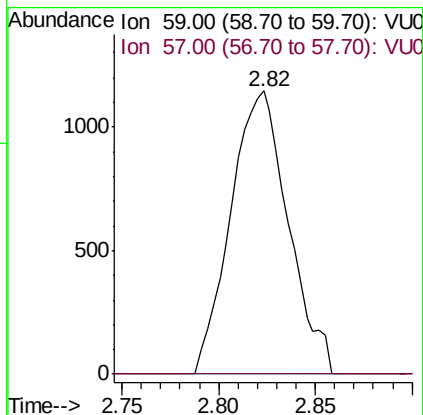
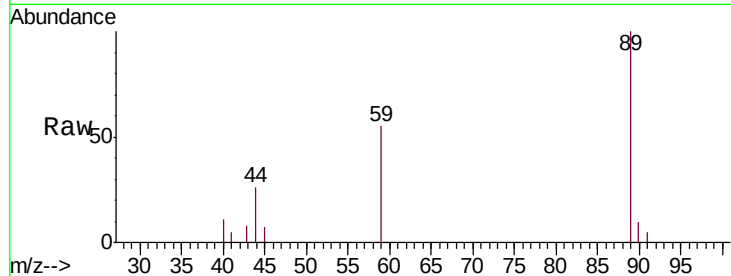


#11

Tert butyl alcohol
 Concen: 2.162 ug/l
 RT: 2.82 min Scan# 539
 Delta R.T. -0.05 min
 Lab File: VU033988.D
 Acq: 27 Aug 2019 21:29

Instrument :
 MSVOA_U
 ClientSampleId :
 T1-S-B3-(2.5)

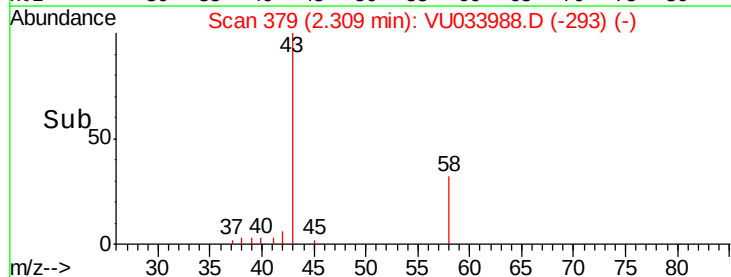
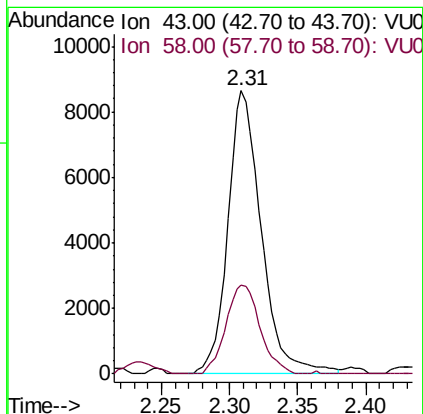
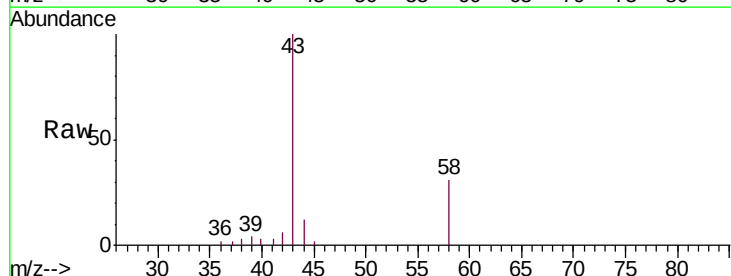
Tgt Ion: 59 Resp: 2369
 Ion Ratio Lower Upper
 59 100
 57 0.0 3.9 5.9#

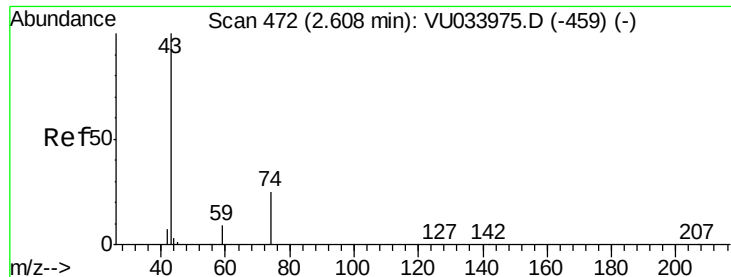


#16

Acetone
 Concen: 7.296 ug/l
 RT: 2.31 min Scan# 379
 Delta R.T. -0.02 min
 Lab File: VU033988.D
 Acq: 27 Aug 2019 21:29

Tgt Ion: 43 Resp: 14777
 Ion Ratio Lower Upper
 43 100
 58 31.3 28.0 42.0

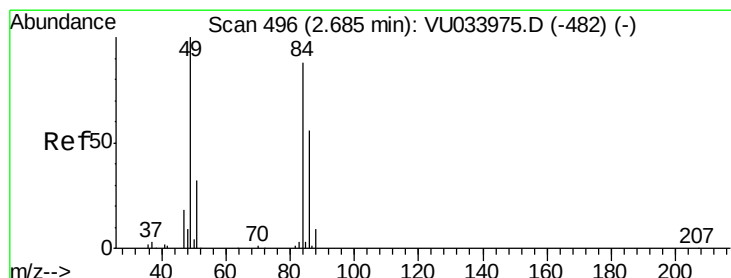
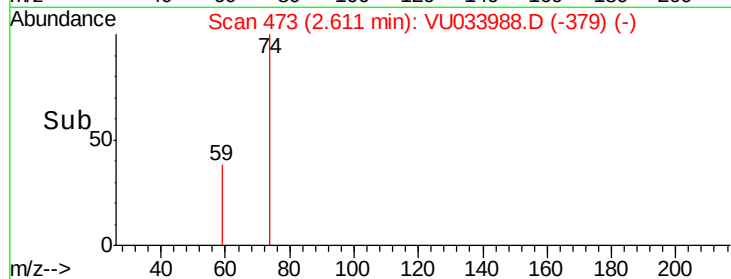
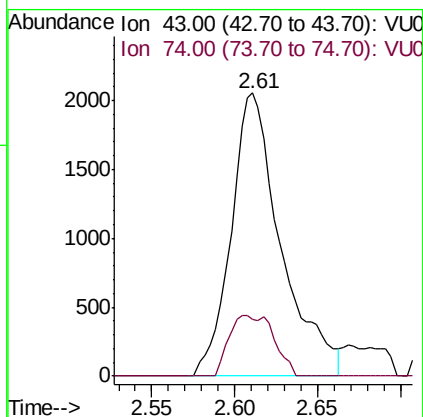
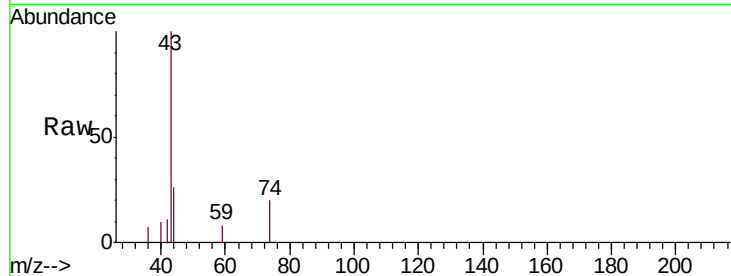




#18
Methyl Acetate
Concen: 0.860 ug/l
RT: 2.61 min Scan# 473
Delta R.T. 0.00 min
Lab File: VU033988.D
Acq: 27 Aug 2019 21:29

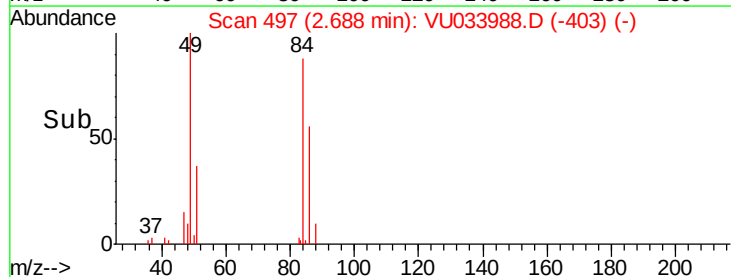
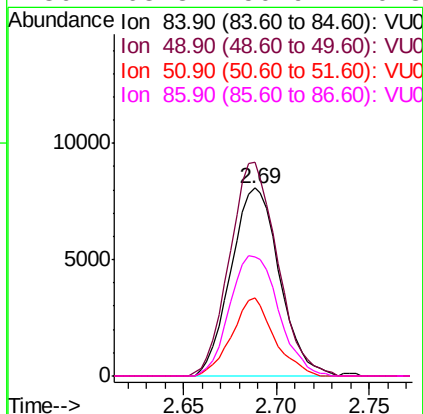
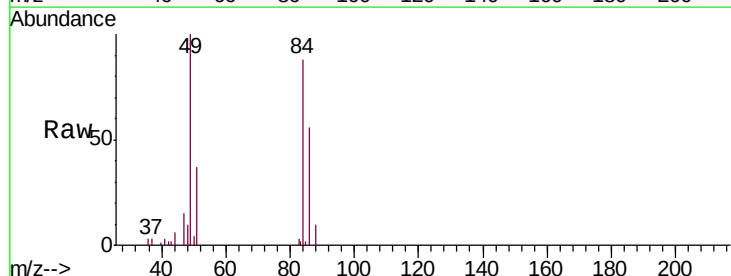
Instrument :
MSVOA_U
ClientSampleId :
T1-S-B3-(2.5)

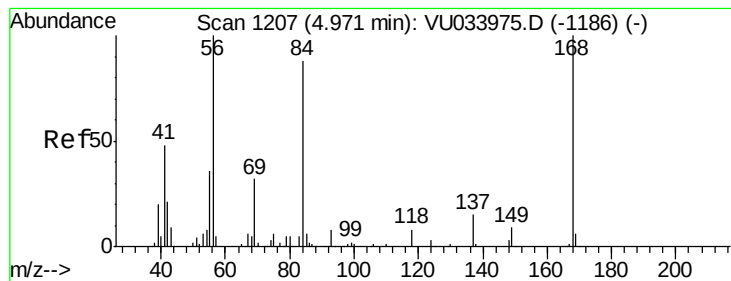
Tgt Ion: 43 Resp: 4292
Ion Ratio Lower Upper
43 100
74 19.2 20.5 30.7#



#20
Methylene Chloride
Concen: 3.430 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU033988.D
Acq: 27 Aug 2019 21:29

Tgt Ion: 84 Resp: 14738
Ion Ratio Lower Upper
84 100
49 113.6 91.3 136.9
51 41.5 28.9 43.3
86 63.3 50.9 76.3





#31

Cyclohexane

Concen: 0.910 ug/l

RT: 4.96 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VU033988.D

Acq: 27 Aug 2019 21:29

Instrument :

MSVOA_U

ClientSampleId :

T1-S-B3-(2.5)

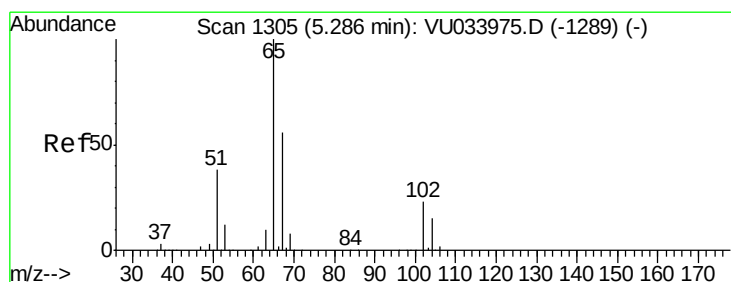
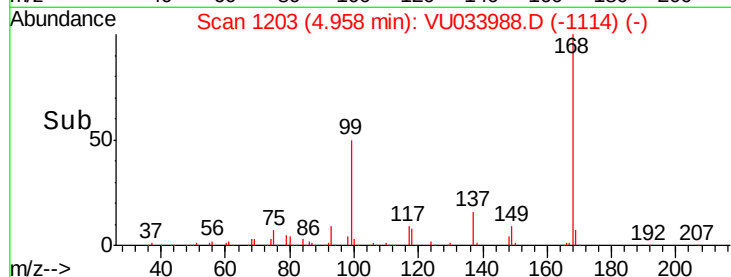
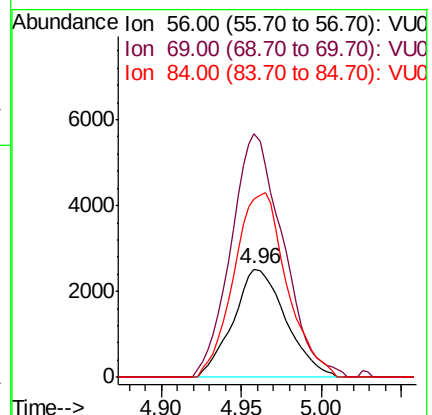
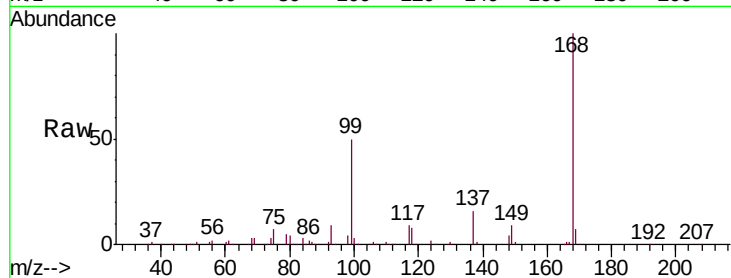
Tgt Ion: 56 Resp: 5678

Ion Ratio Lower Upper

56 100

69 224.8 25.9 38.9#

84 164.9 70.4 105.6#



#33

1,2-Dichloroethane-d4

Concen: 48.102 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU033988.D

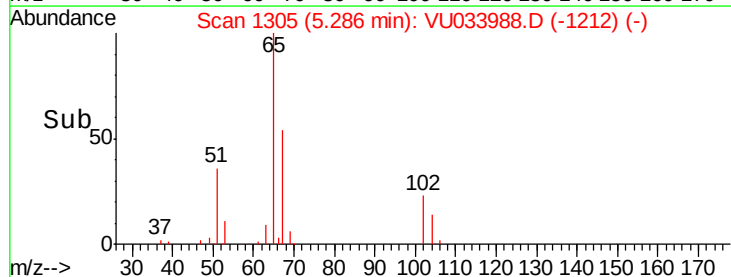
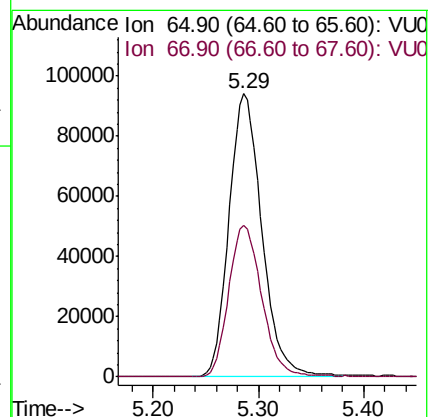
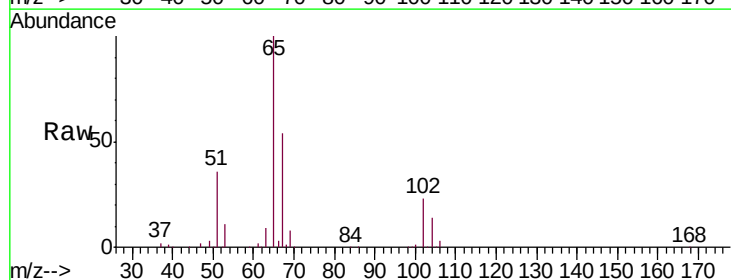
Acq: 27 Aug 2019 21:29

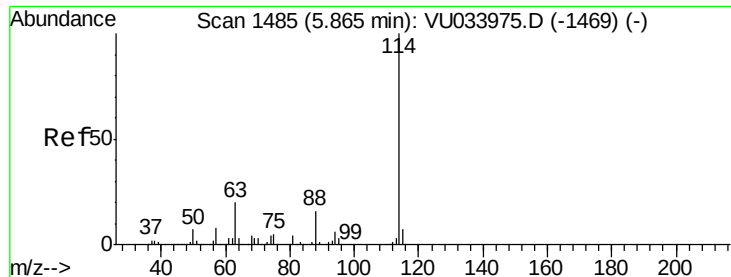
Tgt Ion: 65 Resp: 203536

Ion Ratio Lower Upper

65 100

67 54.0 0.0 111.0

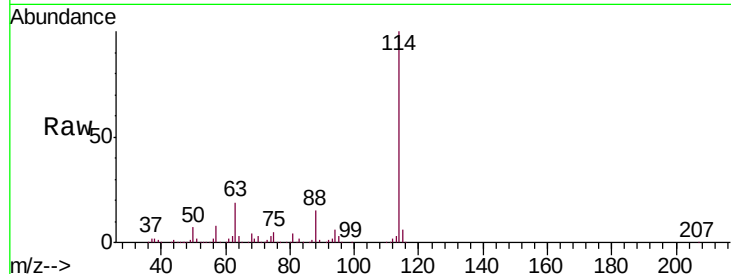




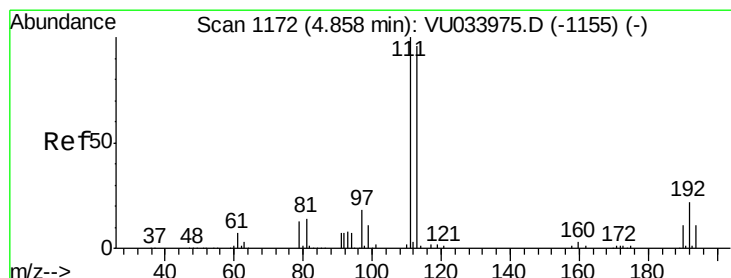
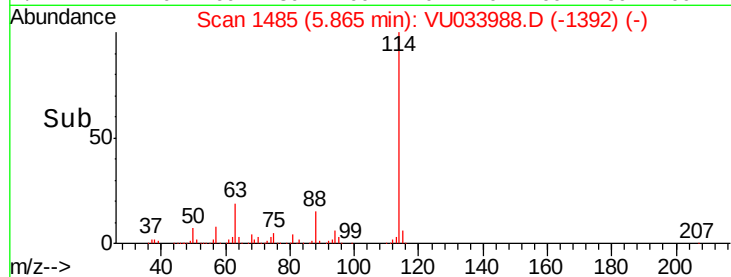
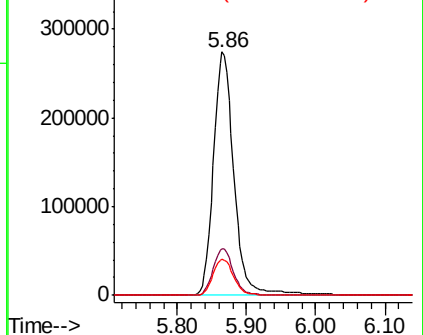
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU033988.D
 Acq: 27 Aug 2019 21:29

Instrument :
 MSVOA_U
 ClientSampleId :
 T1-S-B3-(2.5)

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	39.0
88	14.7	0.0	31.2

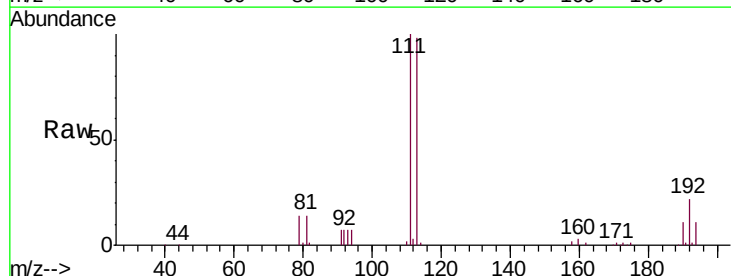


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

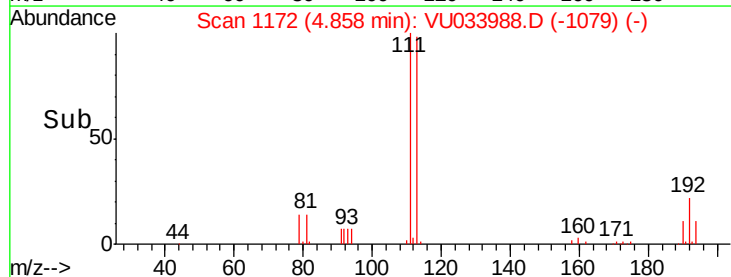
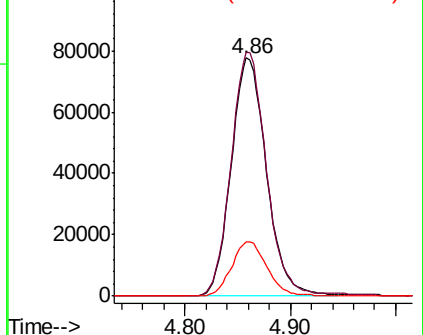


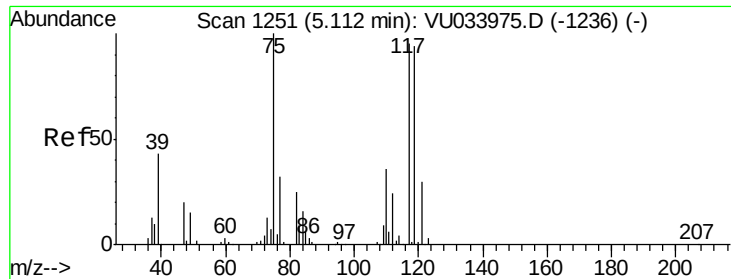
#35
 Dibromofluoromethane
 Concen: 47.618 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU033988.D
 Acq: 27 Aug 2019 21:29

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.7	122.5
192	22.9	18.6	27.8



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

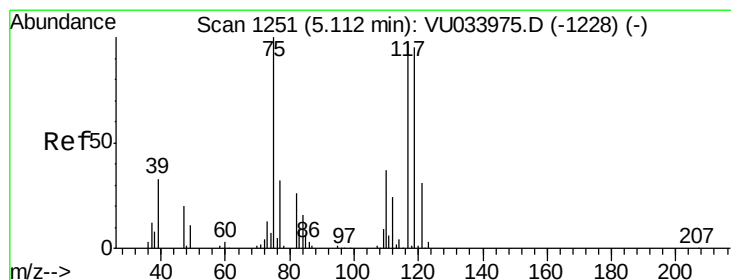
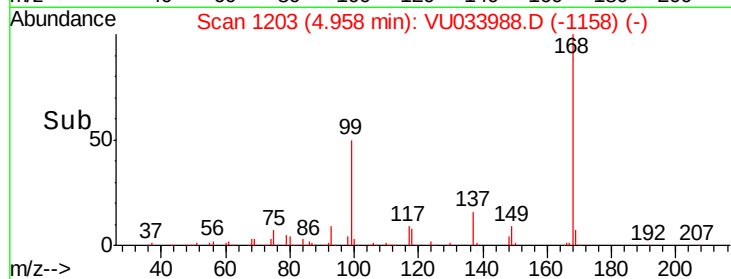
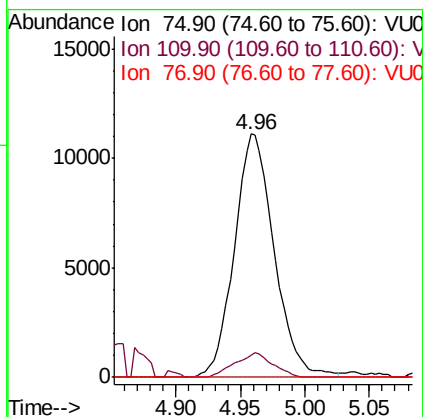
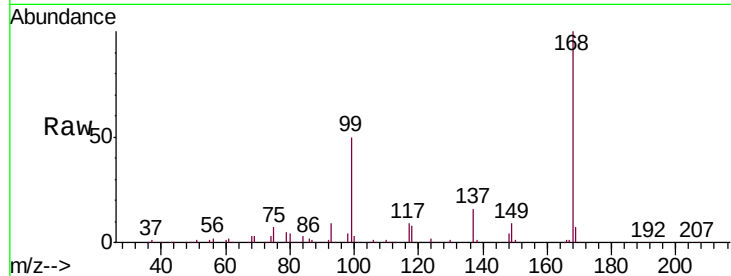




#36
 1,1-Dichloropropene
 Concen: 4.621 ug/l
 RT: 4.96 min Scan# 1203
 Delta R.T. -0.15 min
 Lab File: VU033988.D
 Acq: 27 Aug 2019 21:29

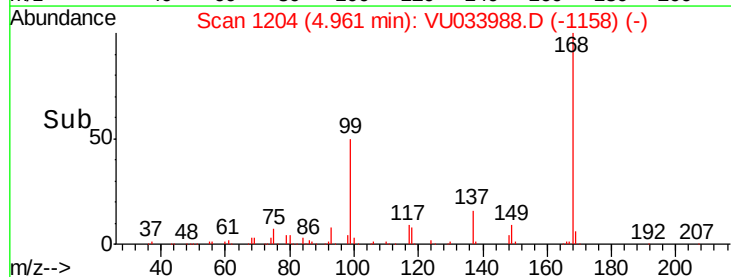
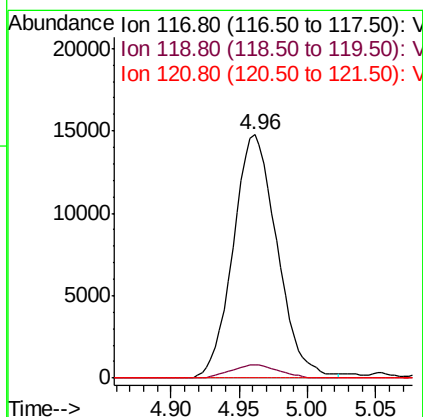
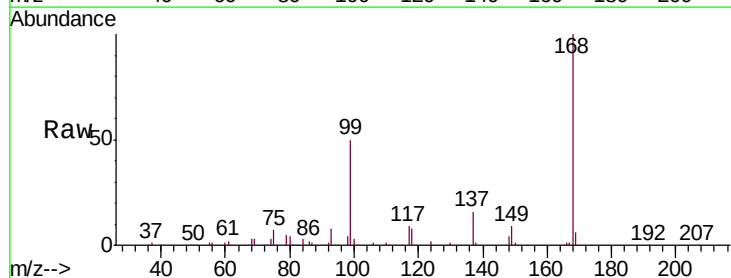
Instrument :
 MSVOA_U
 ClientSampleId :
 T1-S-B3-(2.5)

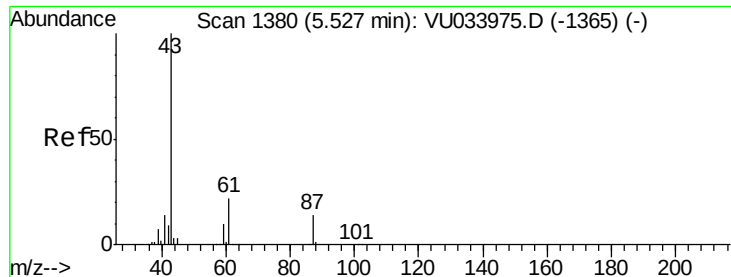
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.2	54.6#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.280 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU033988.D
 Acq: 27 Aug 2019 21:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	78.4	117.6#
121	0.0	25.4	38.2#

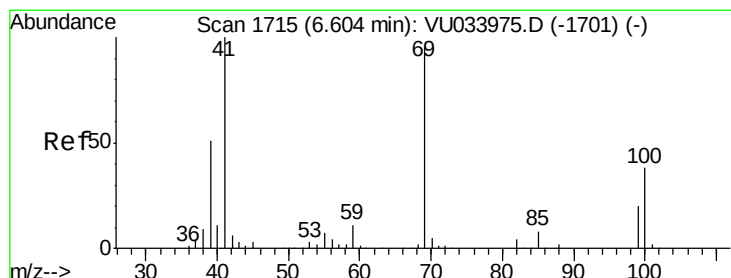
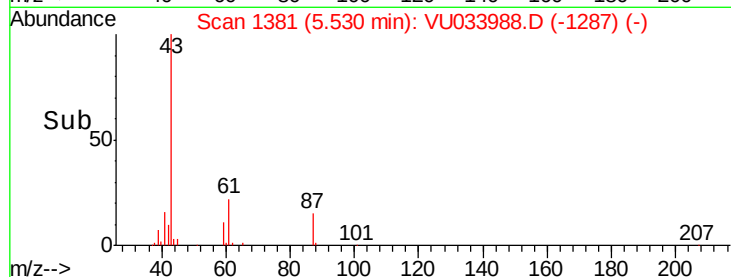
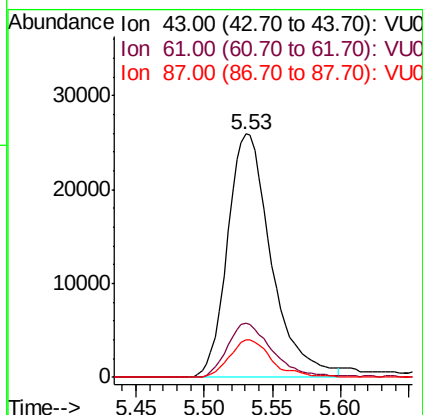
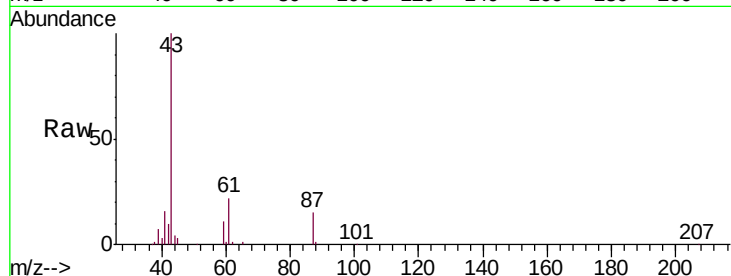




#43
Isopropyl Acetate
Concen: 7.272 ug/l
RT: 5.53 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VU033988.D
Acq: 27 Aug 2019 21:29

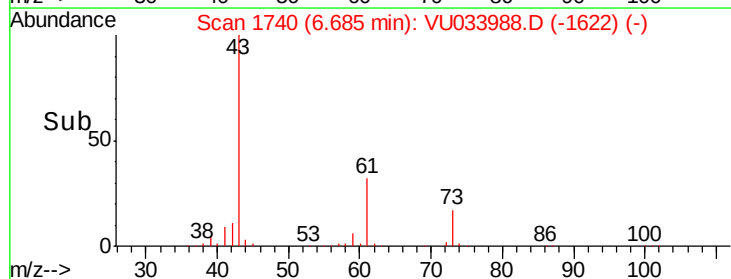
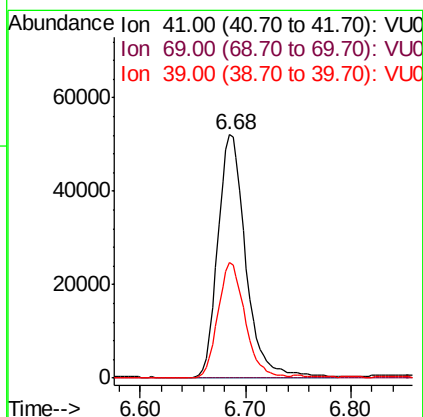
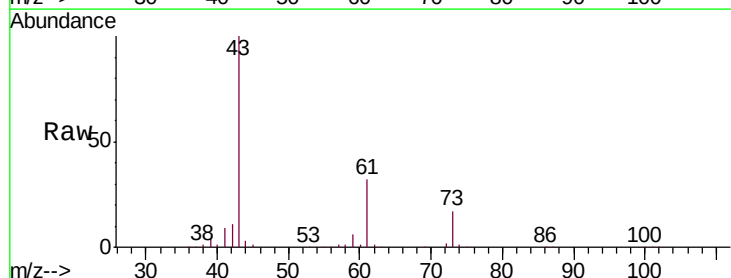
Instrument :
MSVOA_U
ClientSampleId :
T1-S-B3-(2.5)

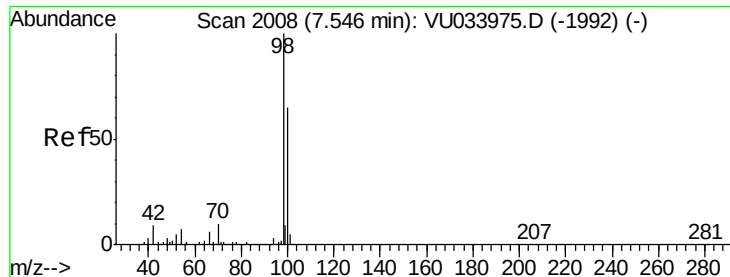
Tgt Ion: 43 Resp: 57720
Ion Ratio Lower Upper
43 100
61 22.7 17.8 26.8
87 14.9 11.9 17.9



#48
Methyl methacrylate
Concen: 25.234 ug/l
RT: 6.68 min Scan# 1740
Delta R.T. 0.08 min
Lab File: VU033988.D
Acq: 27 Aug 2019 21:29

Tgt Ion: 41 Resp: 95230
Ion Ratio Lower Upper
41 100
69 0.1 76.3 114.5#
39 46.1 41.1 61.7

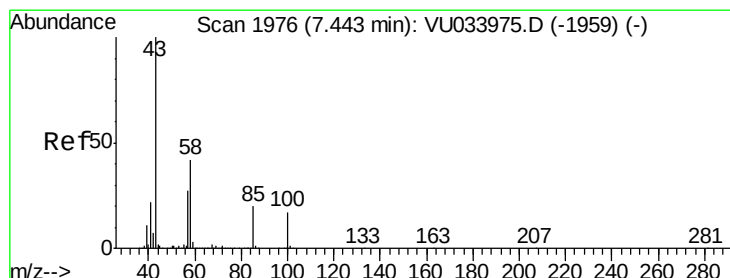
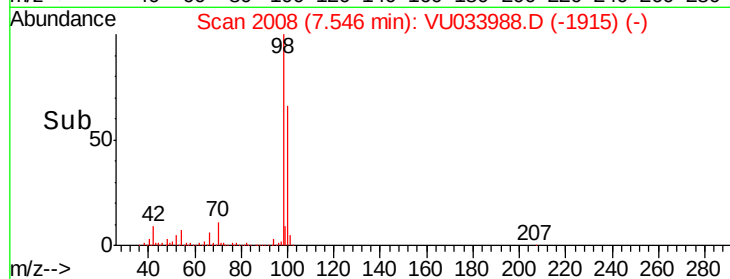
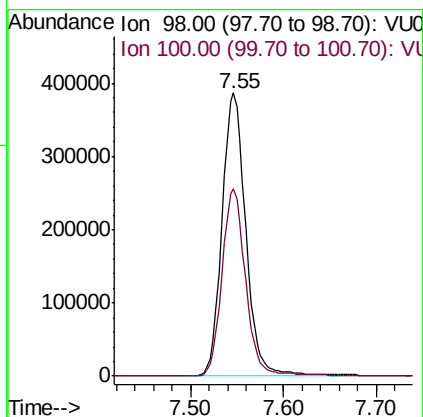
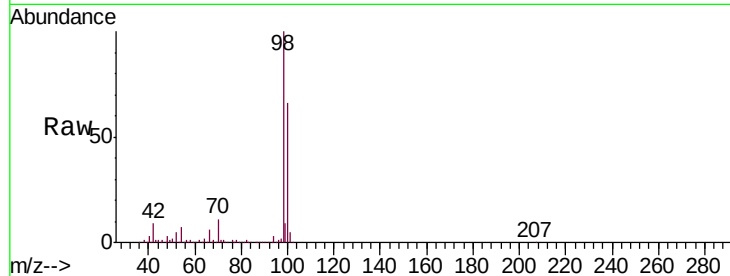




#50
Toluene-d8
Concen: 49.342 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU033988.D
Acq: 27 Aug 2019 21:29

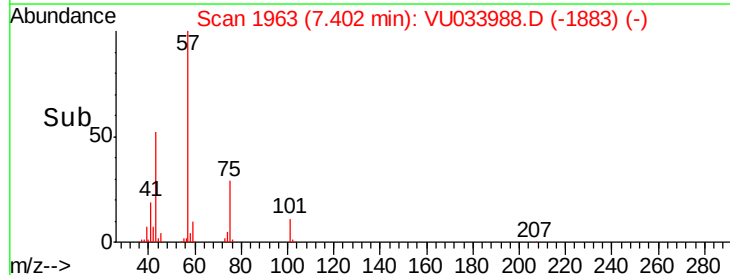
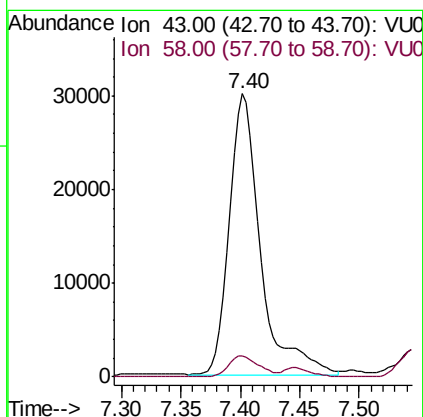
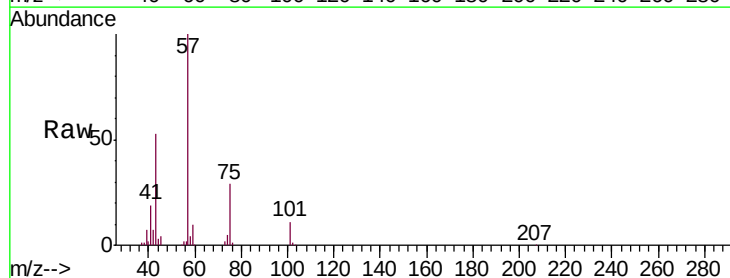
Instrument :
MSVOA_U
ClientSampleId :
T1-S-B3-(2.5)

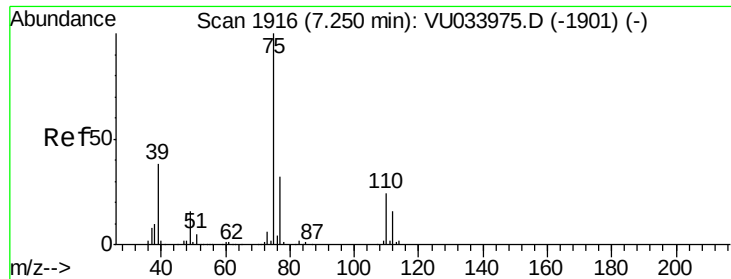
Tgt Ion: 98 Resp: 689377
Ion Ratio Lower Upper
98 100
100 66.0 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 9.951 ug/l
RT: 7.40 min Scan# 1963
Delta R.T. -0.04 min
Lab File: VU033988.D
Acq: 27 Aug 2019 21:29

Tgt Ion: 43 Resp: 54458
Ion Ratio Lower Upper
43 100
58 7.3 33.6 50.4#



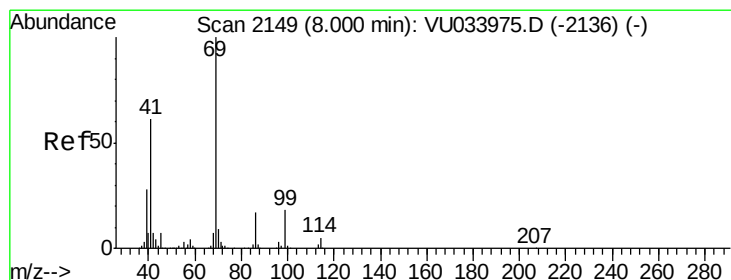
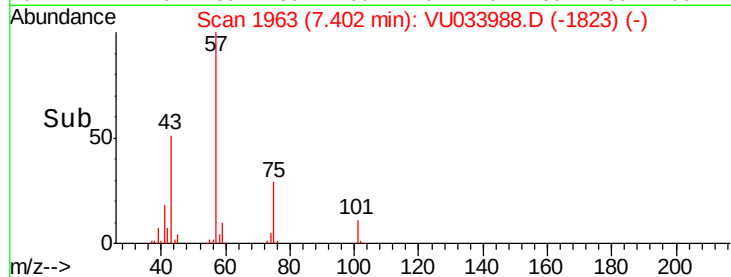
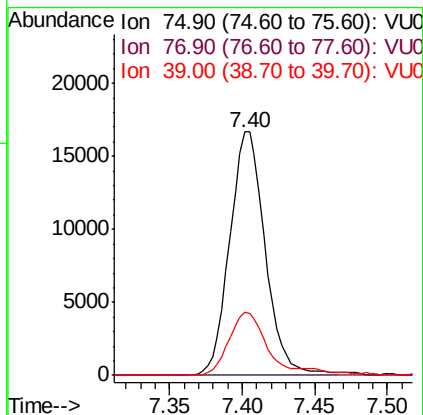
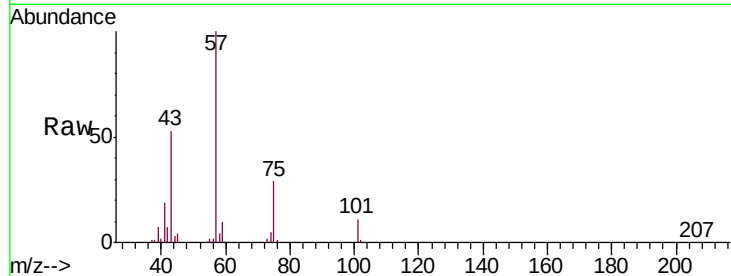


#54

cis-1,3-Dichloropropene
 Concen: 4.463 ug/l
 RT: 7.40 min Scan# 1963
 Delta R.T. 0.15 min
 Lab File: VU033988.D
 Acq: 27 Aug 2019 21:29

Instrument :
 MSVOA_U
 ClientSampleId :
 T1-S-B3-(2.5)

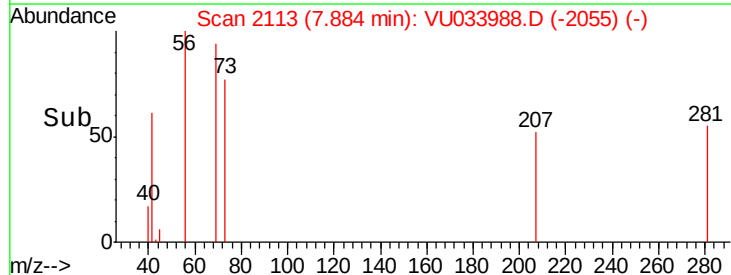
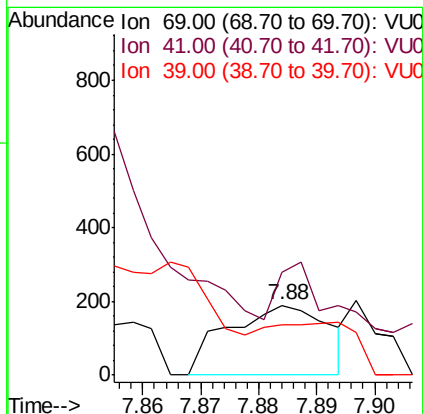
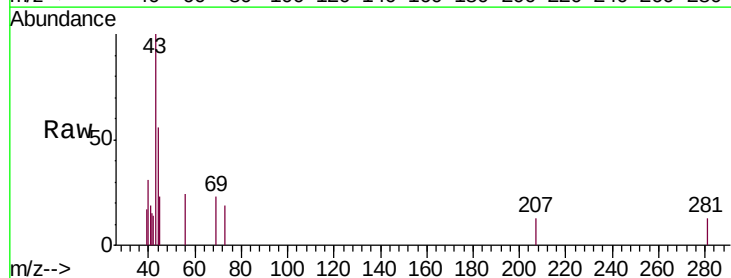
Tgt Ion: 75 Resp: 28371
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.6 38.4#
 39 25.8 30.7 46.1#

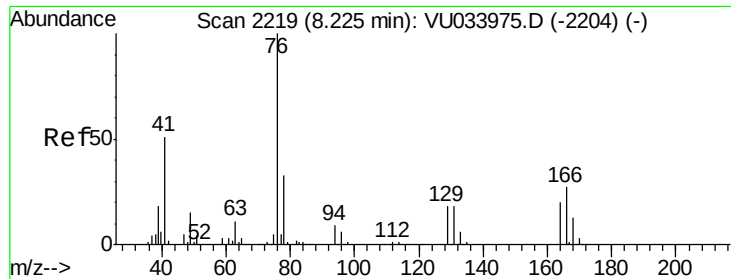


#56

Ethyl methacrylate
 Concen: 2.548 ug/l
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.11 min
 Lab File: VU033988.D
 Acq: 27 Aug 2019 21:29

Tgt Ion: 69 Resp: 228
 Ion Ratio Lower Upper
 69 100
 41 0.0 48.6 72.8#
 39 0.0 22.4 33.6#

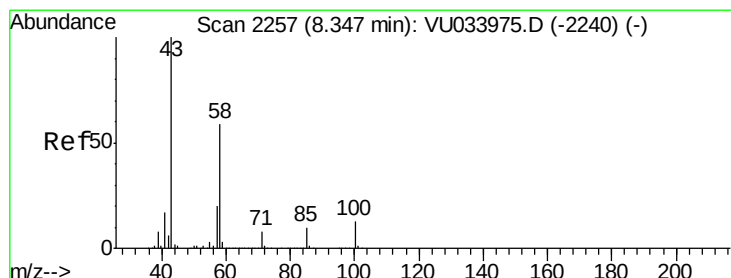
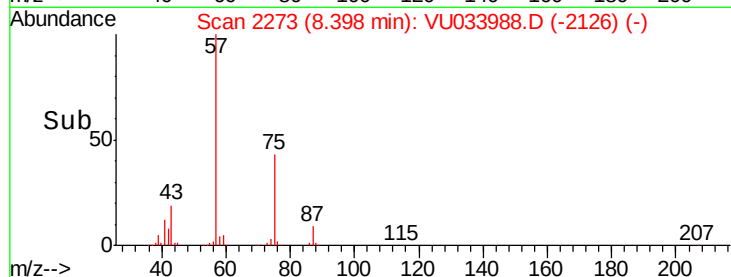
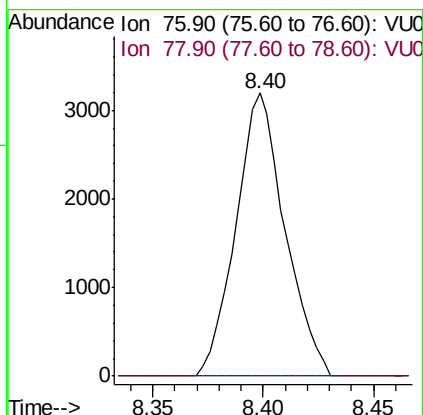
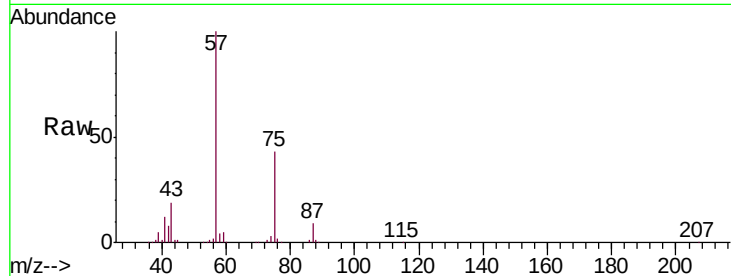




#57
 1,3-Dichloropropane
 Concen: 0.740 ug/l
 RT: 8.40 min Scan# 2273
 Delta R.T. 0.17 min
 Lab File: VU033988.D
 Acq: 27 Aug 2019 21:29

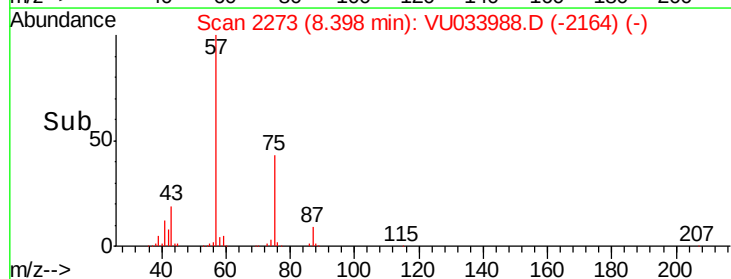
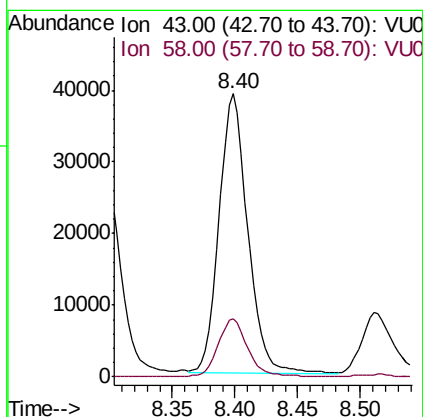
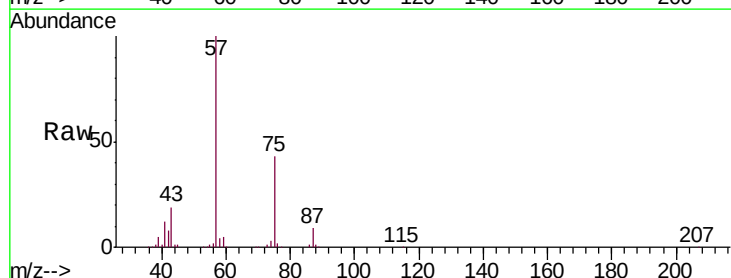
Instrument :
 MSVOA_U
 ClientSampleId :
 T1-S-B3-(2.5)

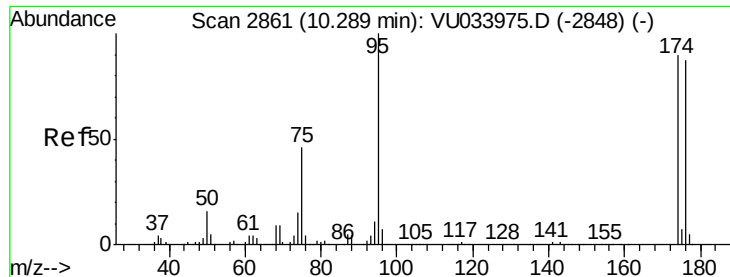
Tgt Ion: 76 Resp: 4934
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#



#59
 2-Hexanone
 Concen: 14.739 ug/l
 RT: 8.40 min Scan# 2273
 Delta R.T. 0.05 min
 Lab File: VU033988.D
 Acq: 27 Aug 2019 21:29

Tgt Ion: 43 Resp: 61998
 Ion Ratio Lower Upper
 43 100
 58 21.5 29.5 88.6#

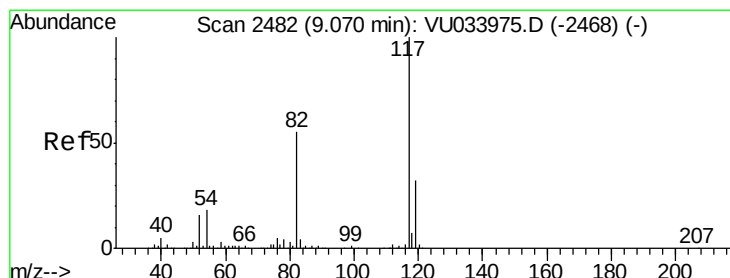
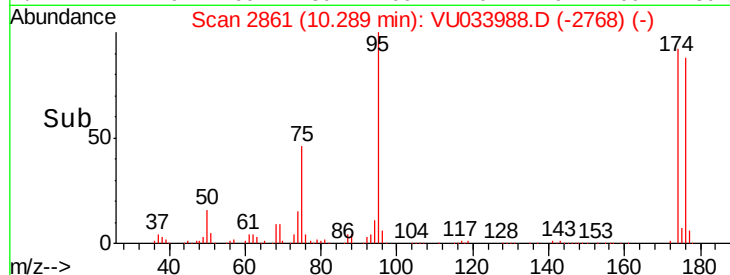
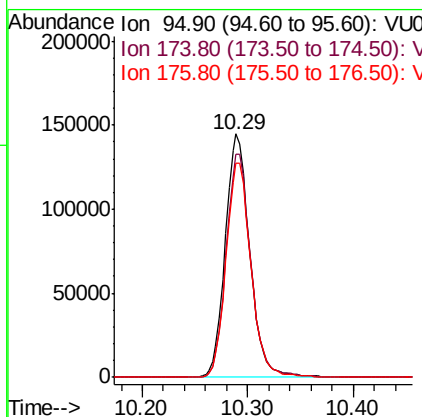
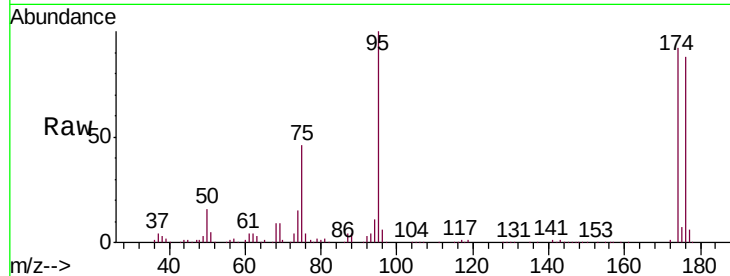




#62
 4-Bromofluorobenzene
 Concen: 43.389 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. 0.00 min
 Lab File: VU033988.D
 Acq: 27 Aug 2019 21:29

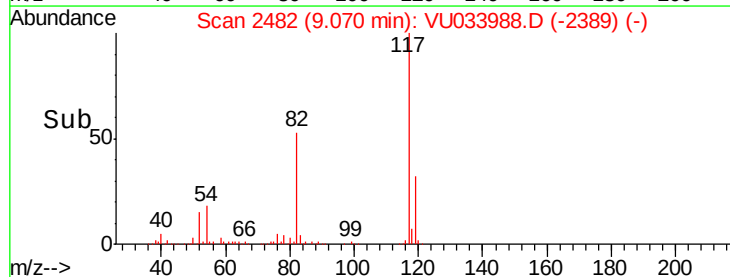
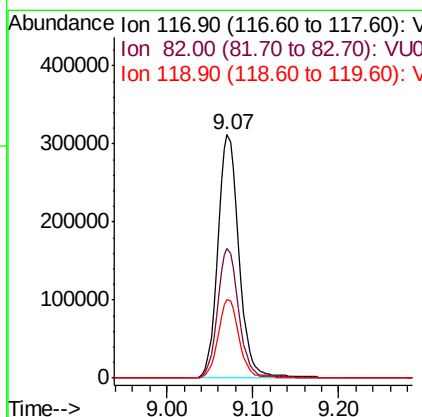
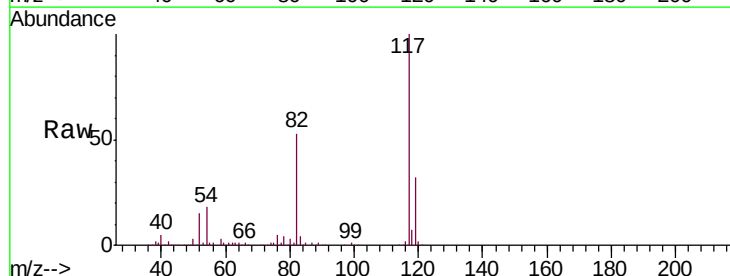
Instrument :
 MSVOA_U
 ClientSampleId :
 T1-S-B3-(2.5)

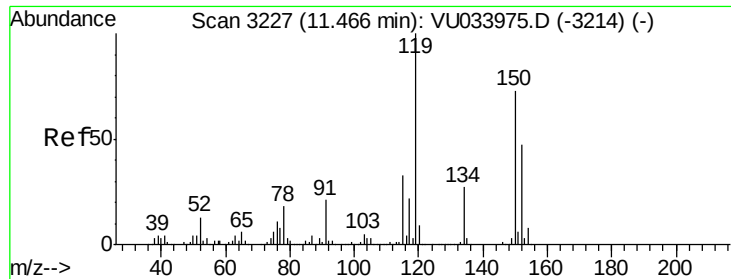
Tgt Ion	Ratio	Resp	Lower	Upper
95	100	232536		
174	93.0	0.0	183.8	
176	89.7	0.0	176.4	



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.07 min Scan# 2482
 Delta R.T. 0.00 min
 Lab File: VU033988.D
 Acq: 27 Aug 2019 21:29

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	534659		
82	53.5	43.8	65.8	
119	32.4	25.7	38.5	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.47 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VU033988.D

Acq: 27 Aug 2019 21:29

Instrument :

MSVOA_U

ClientSampleId :

T1-S-B3-(2.5)

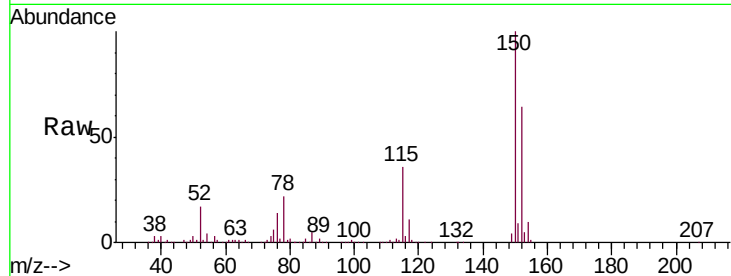
Tgt Ion:152 Resp: 247657

Ion Ratio Lower Upper

152 100

115 54.8 38.6 115.7

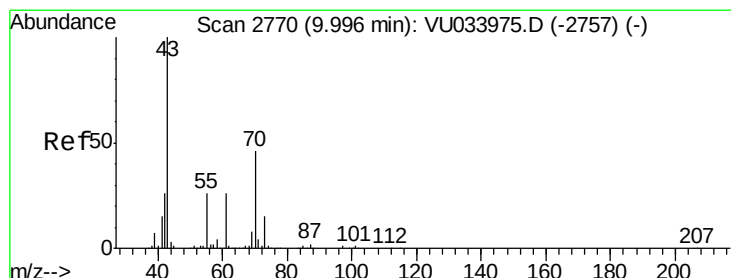
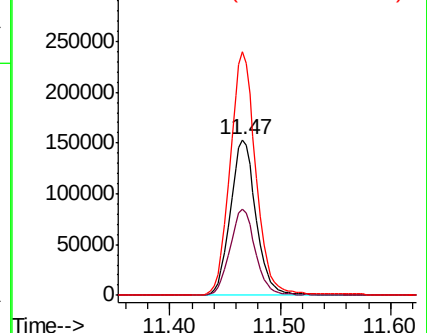
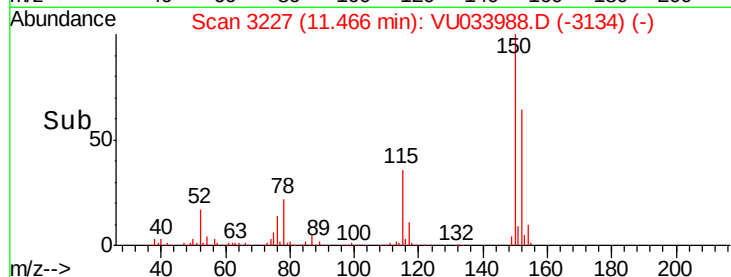
150 156.6 0.0 343.8



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: 0.271 ug/l

RT: 9.92 min Scan# 2746

Delta R.T. -0.08 min

Lab File: VU033988.D

Acq: 27 Aug 2019 21:29

Tgt Ion: 43 Resp: 1622

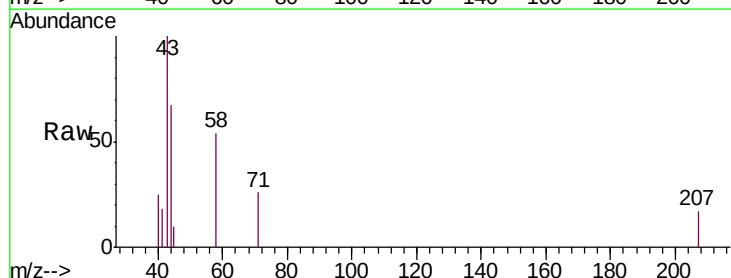
Ion Ratio Lower Upper

43 100

70 0.0 37.4 56.0#

55 0.0 21.0 31.4#

61 0.0 20.9 31.3#

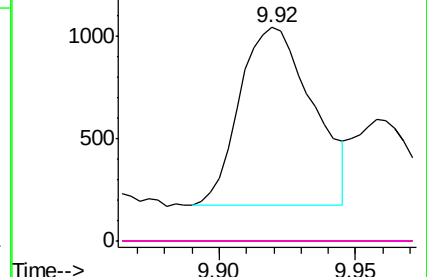
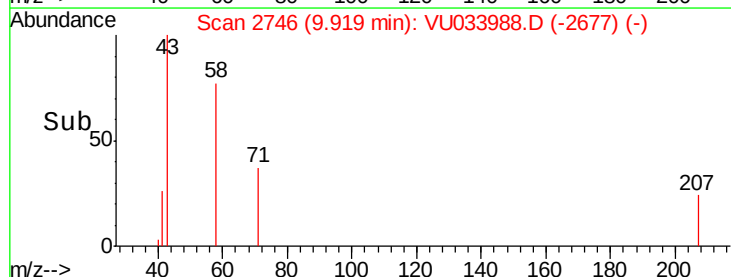


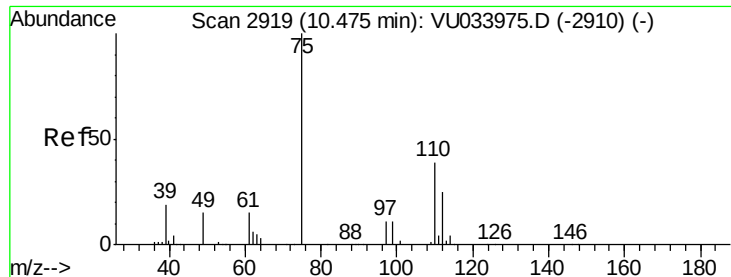
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 22.066 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.19 min

Lab File: VU033988.D

Acq: 27 Aug 2019 21:29

Instrument :

MSVOA_U

ClientSampleId :

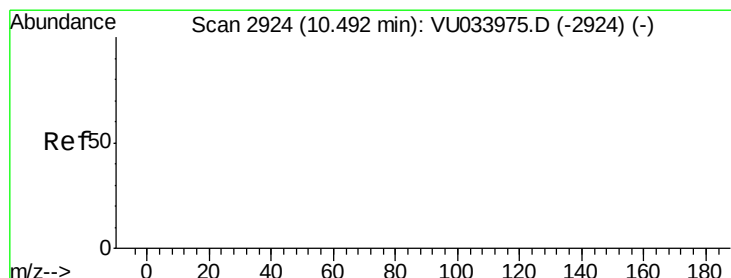
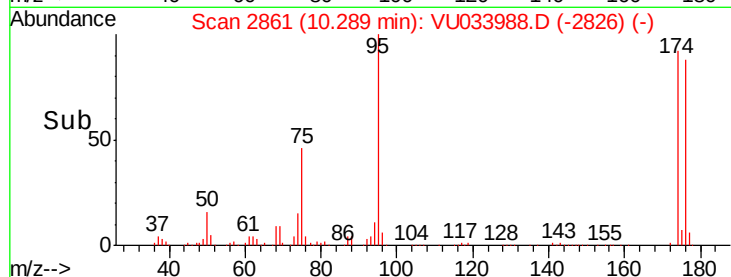
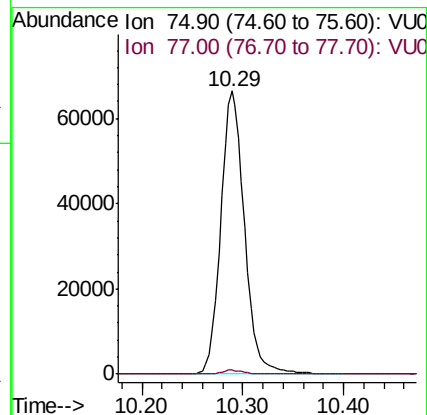
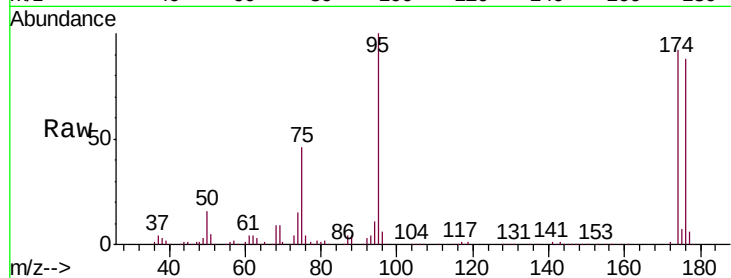
T1-S-B3-(2.5)

Tgt Ion: 75 Resp: 108888

Ion Ratio Lower Upper

75 100

77 1.3 21.0 63.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.203 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.20 min

Lab File: VU033988.D

Acq: 27 Aug 2019 21:29

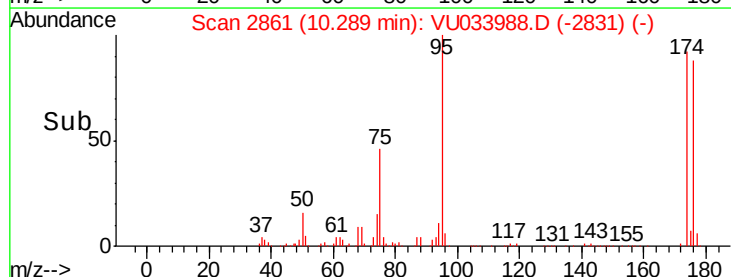
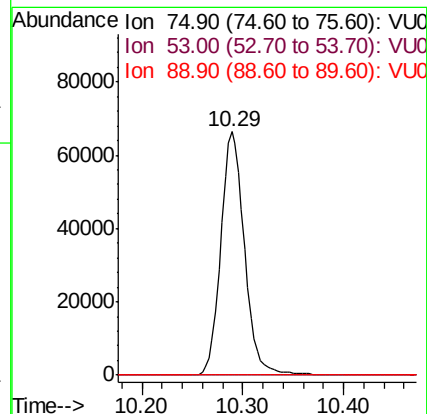
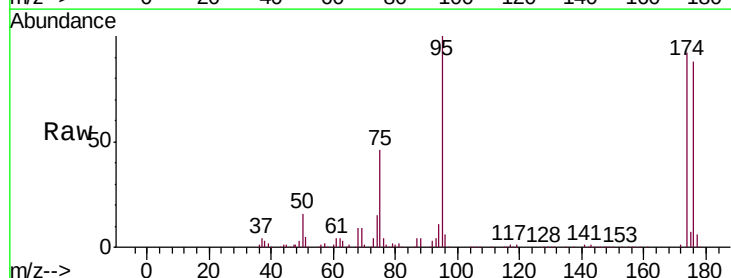
Tgt Ion: 75 Resp: 108888

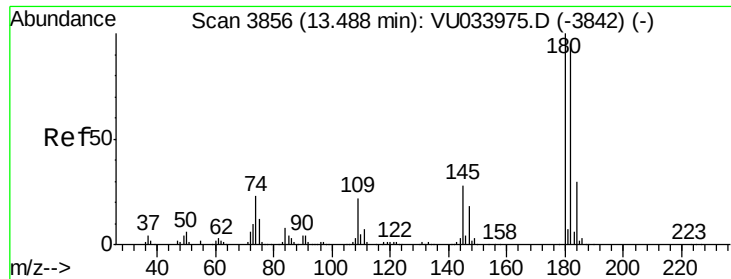
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0#

89 0.0 0.0 0.0

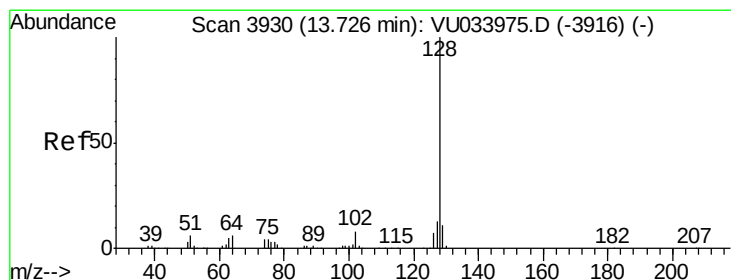
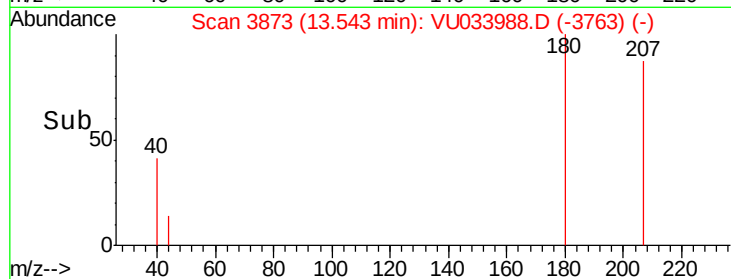
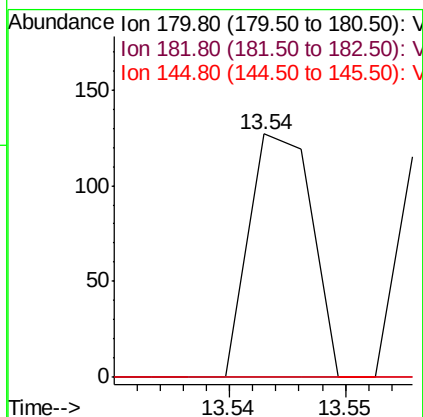
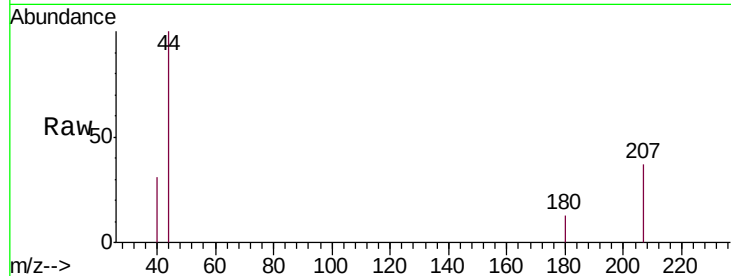




#93
 1,2,4-Trichlorobenzene
 Concen: 1.749 ug/l
 RT: 13.54 min Scan# 3873
 Delta R.T. 0.05 min
 Lab File: VU033988.D
 Acq: 27 Aug 2019 21:29

Instrument :
 MSVOA_U
 ClientSampleId :
 T1-S-B3-(2.5)

Tgt Ion:180 Resp: 47
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.4 142.2#
 145 0.0 14.4 43.2#



#95
 Naphthalene
 Concen: 2.086 ug/l
 RT: 13.77 min Scan# 3945
 Delta R.T. 0.05 min
 Lab File: VU033988.D
 Acq: 27 Aug 2019 21:29

Tgt Ion:128 Resp: 43
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.2 15.4#
 129 0.0 8.5 12.7#

