

Data File : VU033979.D
Acq On : 27 Aug 2019 17:54
Operator : JC/SP
Sample : VU0828WBL01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBL01

Quant Time: Aug 28 04:04:03 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	395863	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	567880	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	527533	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	248224	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	205088	46.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.26%	
35) Dibromofluoromethane	4.86	113	179787	47.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.20%	
50) Toluene-d8	7.55	98	692947	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
62) 4-Bromofluorobenzene	10.29	95	235637	43.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.26%	

Target Compounds

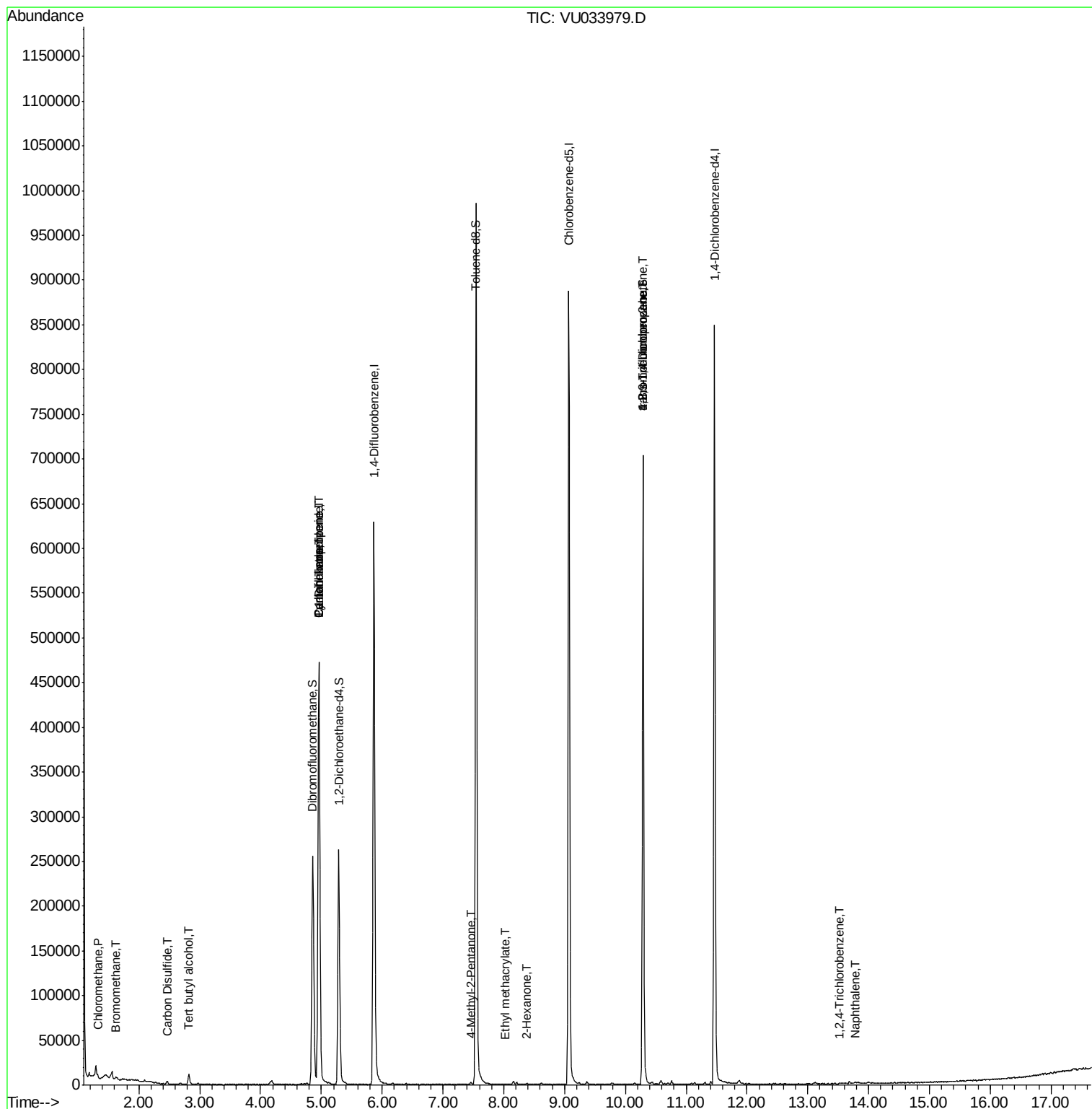
						Qvalue
3) Chloromethane	1.32	50	2304	1.436	ug/l	100
5) Bromomethane	1.62	94	1474	0.610	ug/l	100
11) Tert butyl alcohol	2.82	59	6579	5.776	ug/l #	85
17) Carbon Disulfide	2.46	76	4604	0.402	ug/l #	91
31) Cyclohexane	4.96	56	6629	1.022	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	25328	4.870	ug/l #	49
38) Carbon Tetrachloride	4.96	117	35270	6.654	ug/l #	15
51) 4-Methyl-2-Pentanone	7.45	43	1850	0.335	ug/l #	77
56) Ethyl methacrylate	8.03	69	21	2.518	ug/l #	29
59) 2-Hexanone	8.38	43	1638	0.386	ug/l #	42
76) 1,2,3-Trichloropropane	10.29	75	109248	22.089	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.29	75	109248	63.267	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.52	180	506	1.829	ug/l #	69
95) Naphthalene	13.77	128	1677	2.188	ug/l #	80

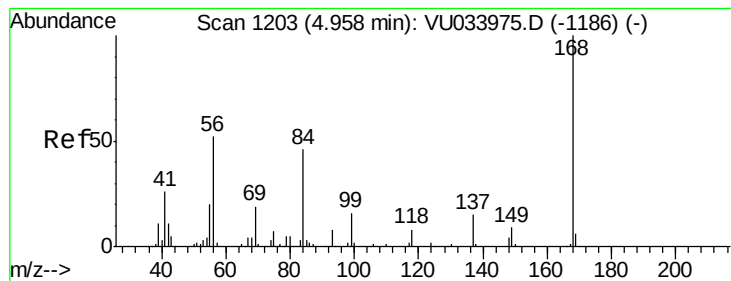
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU033979.D

Acq: 27 Aug 2019 17:54

Instrument :

MSVOA_U

ClientSampleId :

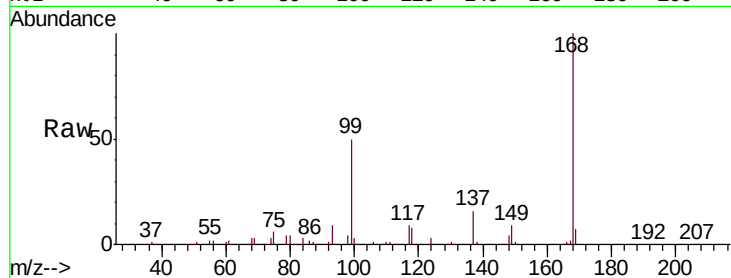
VU0828WBL01

Tgt Ion:168 Resp: 395863

Ion Ratio Lower Upper

168 100

99 49.8 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): VU033979.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU033979.D (-1186) (-)

200000

150000

100000

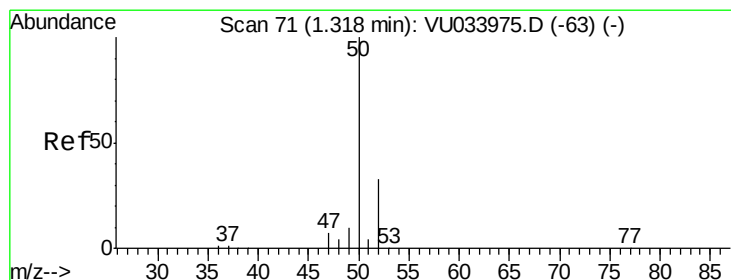
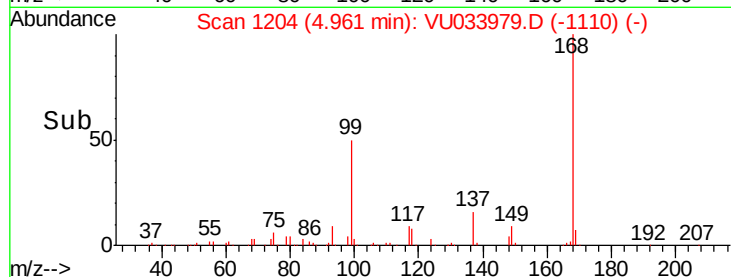
50000

0

4.96

4.80 4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: 1.436 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.01 min

Lab File: VU033979.D

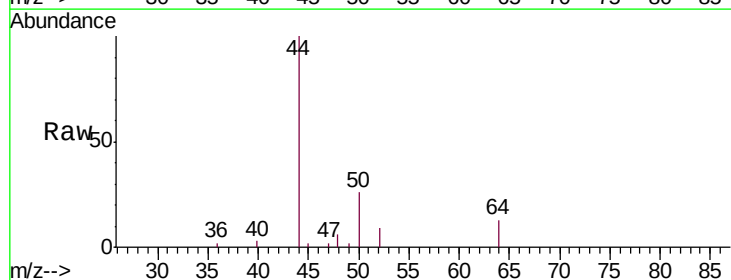
Acq: 27 Aug 2019 17:54

Tgt Ion: 50 Resp: 2304

Ion Ratio Lower Upper

50 100

52 32.8 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VU033979.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU033979.D (-1) (-)

2000

1500

1000

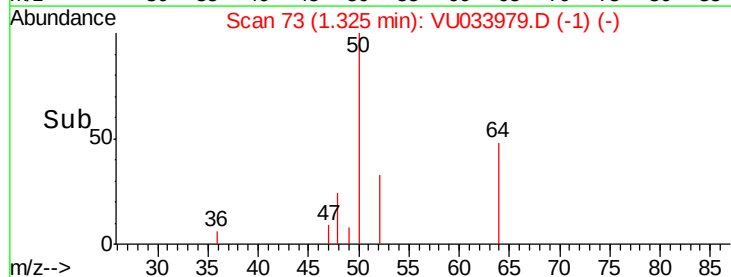
500

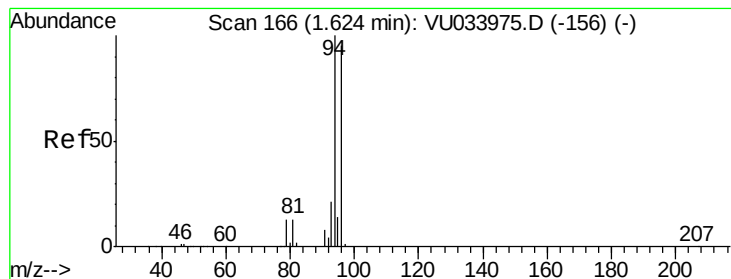
0

1.32

1.30 1.35

Time-->





#5

Bromomethane

Concen: 0.610 ug/l

RT: 1.62 min Scan# 164

Delta R.T. -0.01 min

Lab File: VU033979.D

Acq: 27 Aug 2019 17:54

Instrument :

MSVOA_U

ClientSampleId :

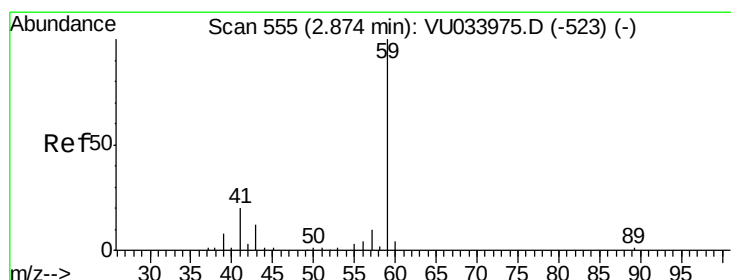
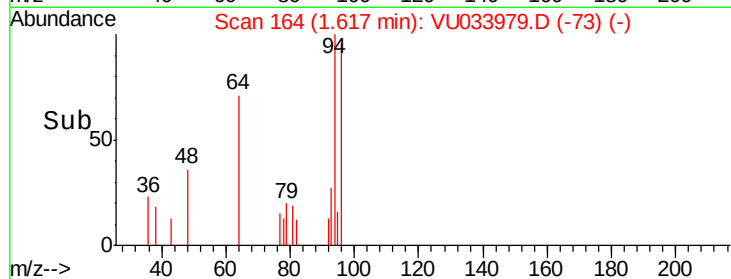
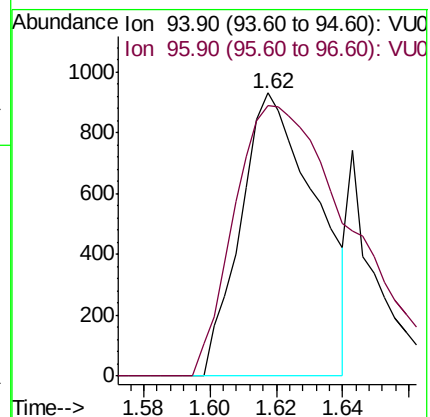
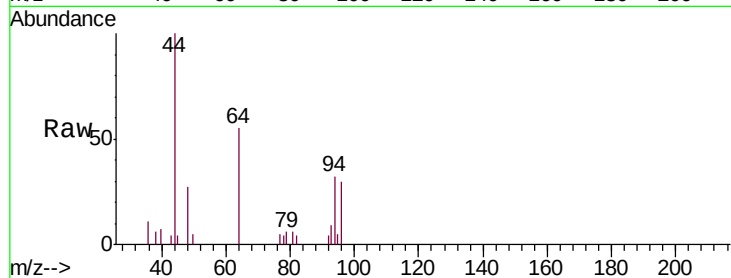
VU0828WBL01

Tgt Ion: 94 Resp: 1474

Ion Ratio Lower Upper

94 100

96 95.6 76.3 114.5



#11

Tert butyl alcohol

Concen: 5.776 ug/l

RT: 2.82 min Scan# 539

Delta R.T. -0.05 min

Lab File: VU033979.D

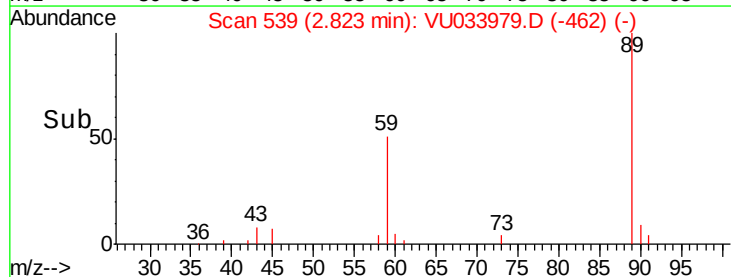
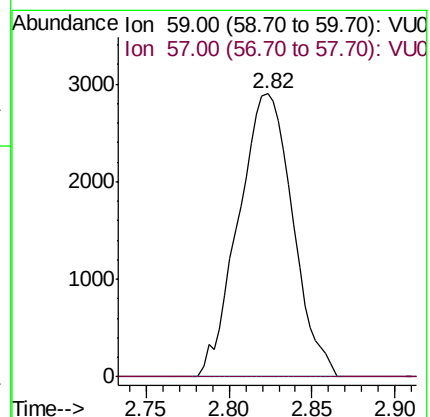
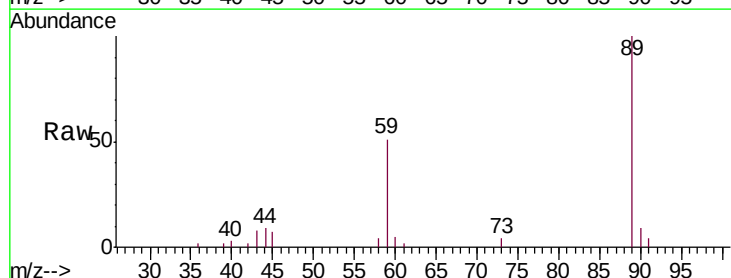
Acq: 27 Aug 2019 17:54

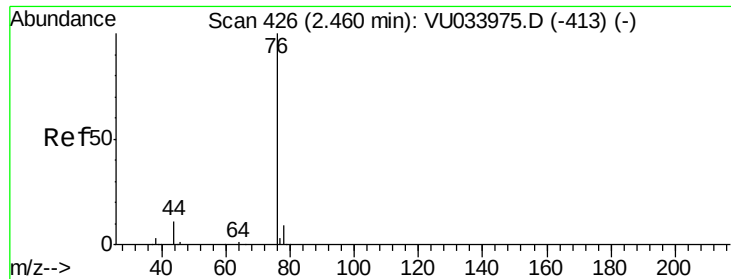
Tgt Ion: 59 Resp: 6579

Ion Ratio Lower Upper

59 100

57 0.0 3.9 5.9#

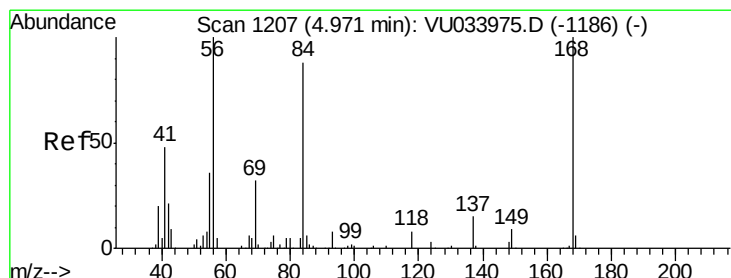
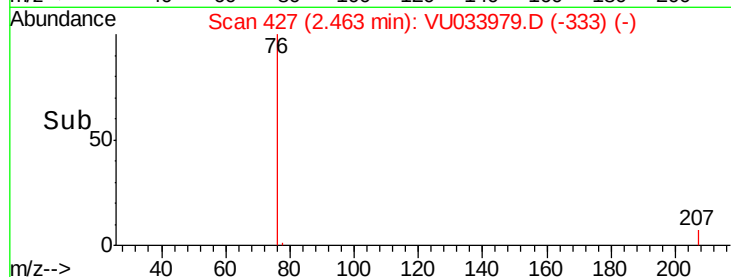
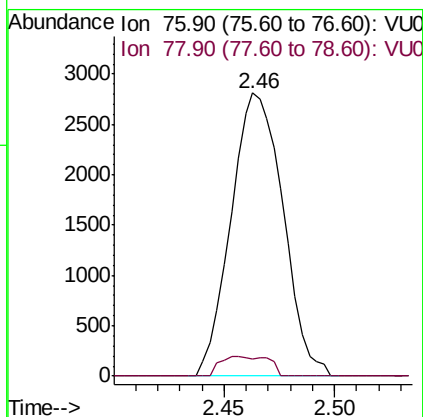
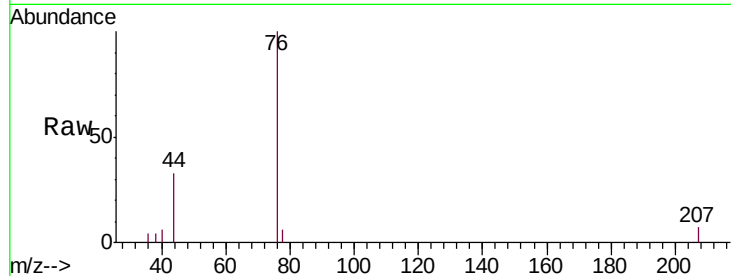




#17
Carbon Disulfide
Concen: 0.402 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU033979.D
Acq: 27 Aug 2019 17:54

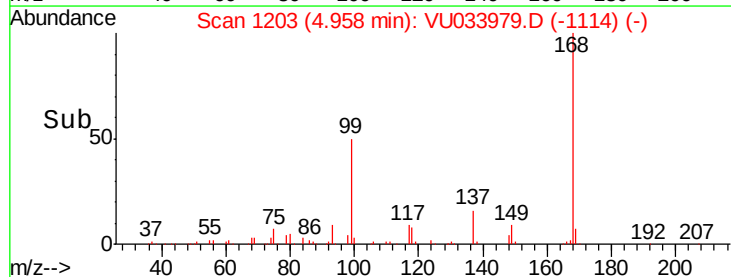
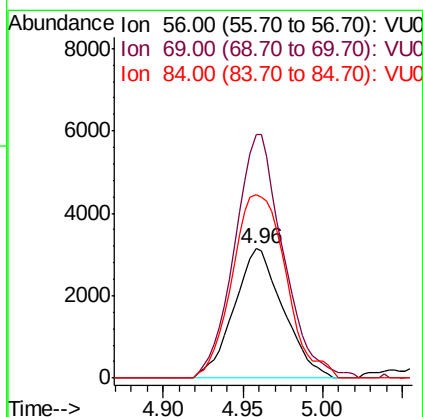
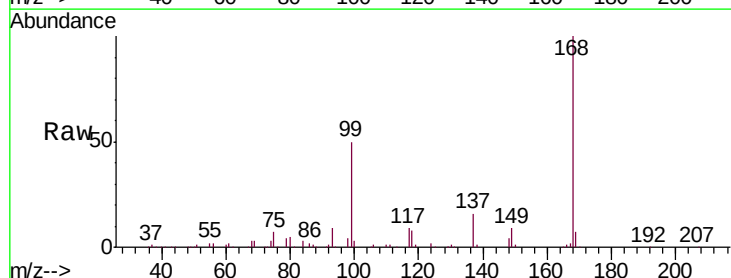
Instrument :
MSVOA_U
ClientSampleId :
VU0828WBL01

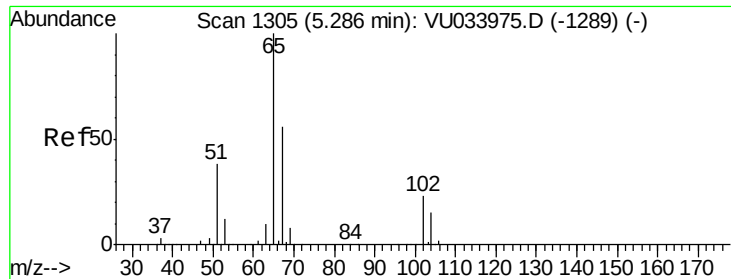
Tgt Ion: 76 Resp: 4604
Ion Ratio Lower Upper
76 100
78 6.1 7.5 11.3#



#31
Cyclohexane
Concen: 1.022 ug/l
RT: 4.96 min Scan# 1203
Delta R.T. -0.01 min
Lab File: VU033979.D
Acq: 27 Aug 2019 17:54

Tgt Ion: 56 Resp: 6629
Ion Ratio Lower Upper
56 100
69 188.3 25.9 38.9#
84 141.6 70.4 105.6#

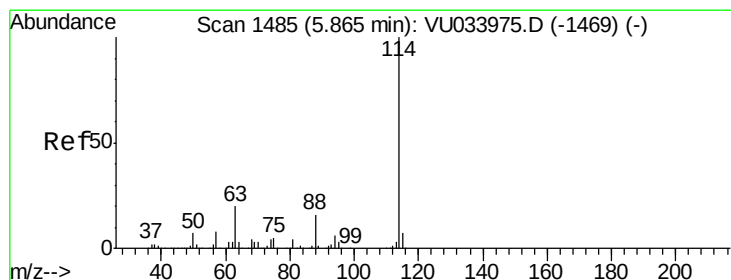
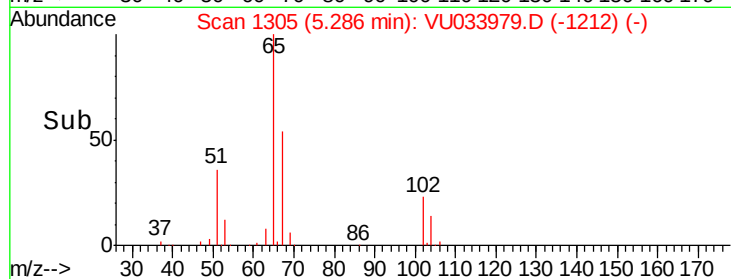
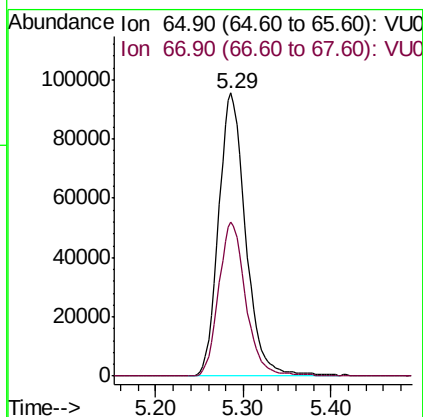
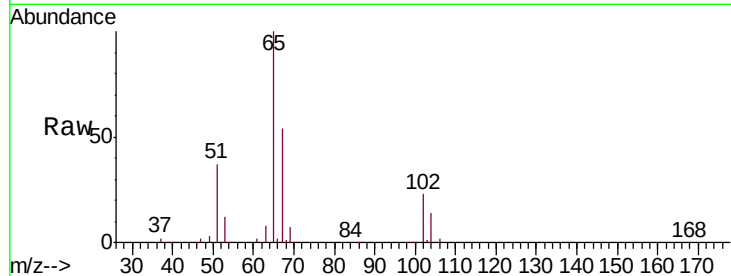




#33
 1,2-Dichloroethane-d4
 Concen: 46.634 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU033979.D
 Acq: 27 Aug 2019 17:54

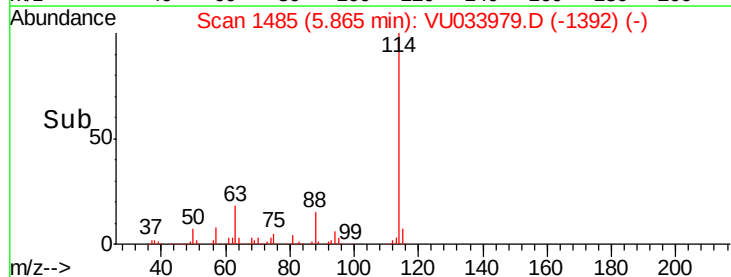
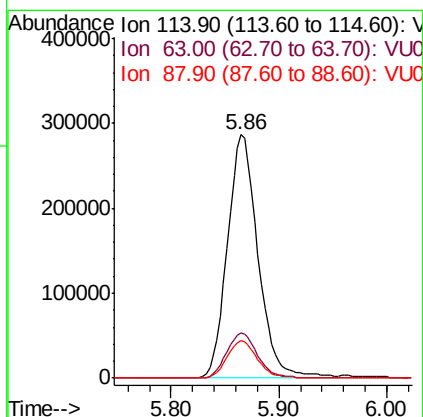
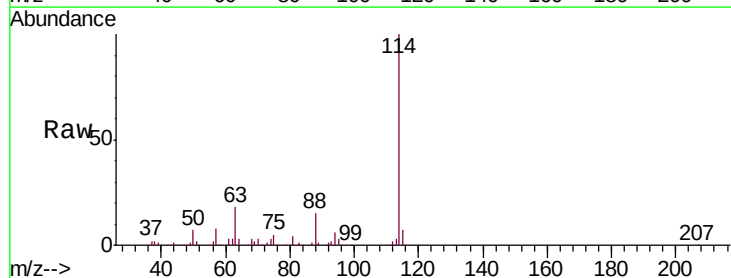
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBL01

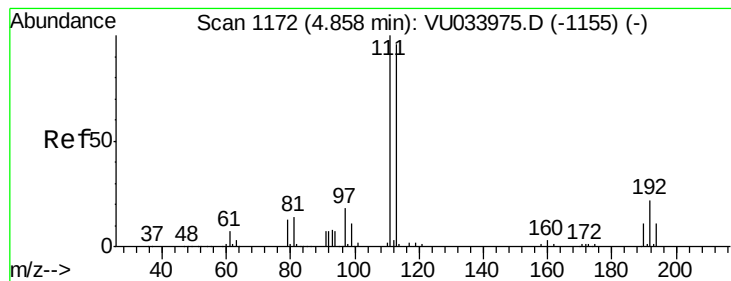
Tgt Ion: 65 Resp: 205088
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU033979.D
 Acq: 27 Aug 2019 17:54

Tgt Ion: 114 Resp: 567880
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 39.0
 88 15.2 0.0 31.2





#35

Dibromofluoromethane

Concen: 47.099 ug/l

RT: 4.86 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU033979.D

Acq: 27 Aug 2019 17:54

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBL01

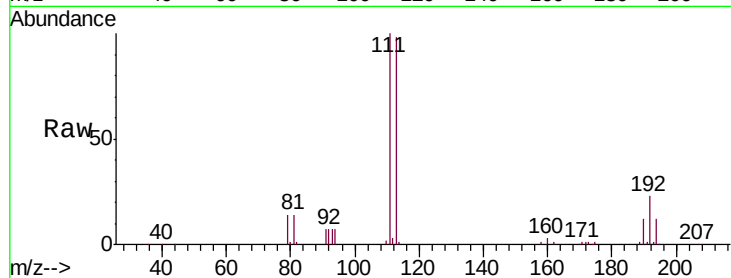
Tgt Ion:113 Resp: 179787

Ion Ratio Lower Upper

113 100

111 102.1 81.7 122.5

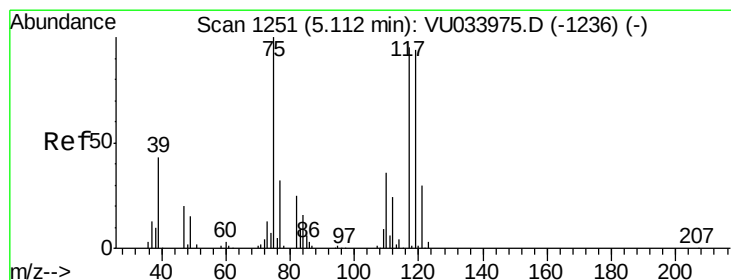
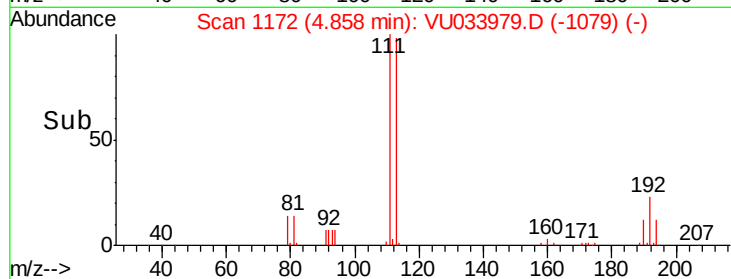
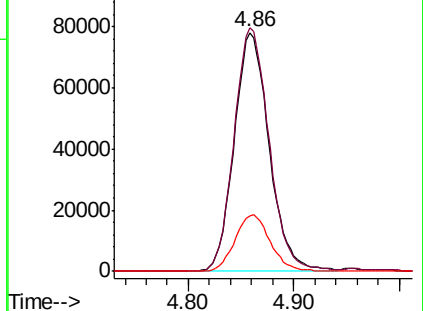
192 23.7 18.6 27.8



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: 4.870 ug/l

RT: 4.96 min Scan# 1203

Delta R.T. -0.15 min

Lab File: VU033979.D

Acq: 27 Aug 2019 17:54

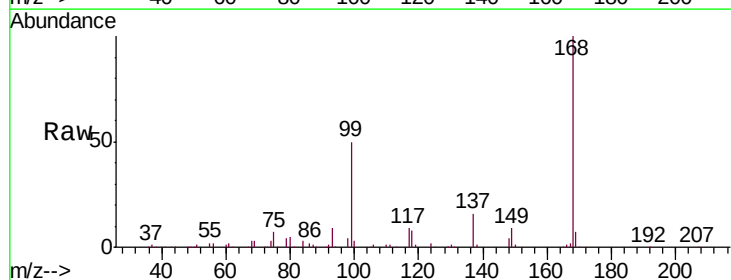
Tgt Ion: 75 Resp: 25328

Ion Ratio Lower Upper

75 100

110 8.7 18.2 54.6#

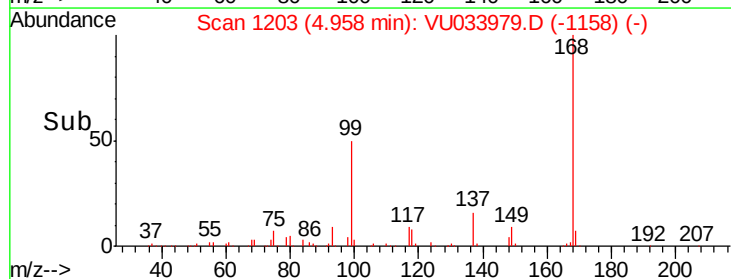
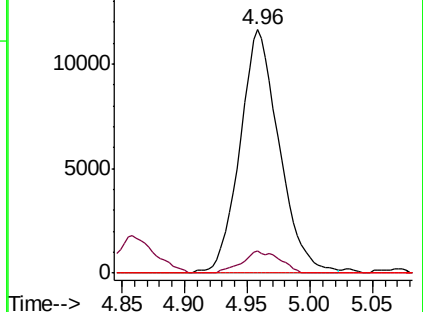
77 0.0 24.8 37.2#

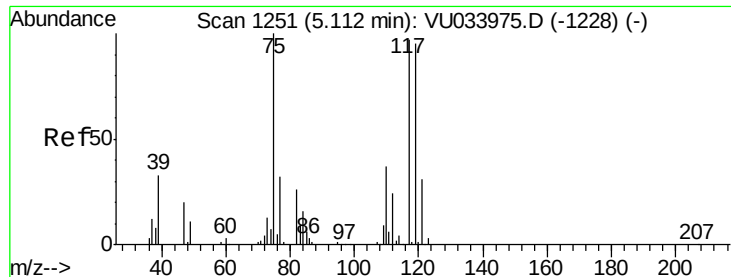


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

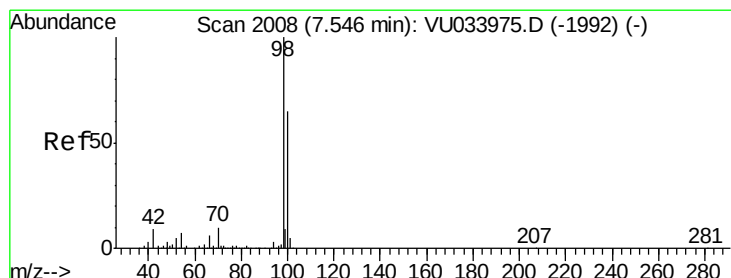
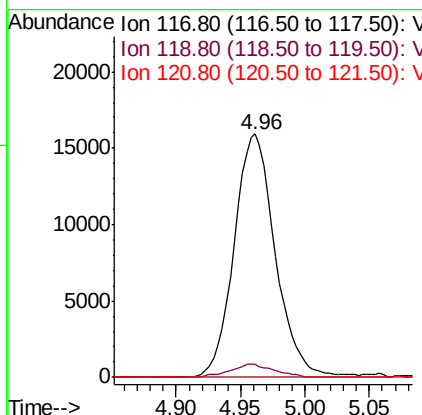
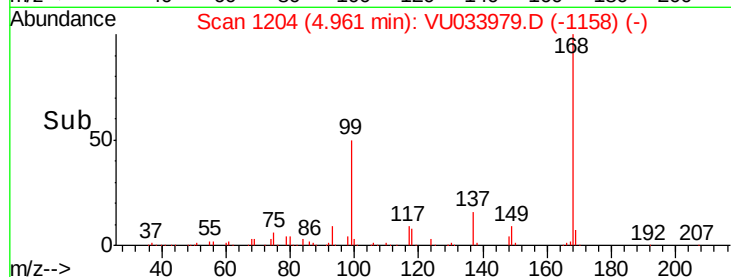
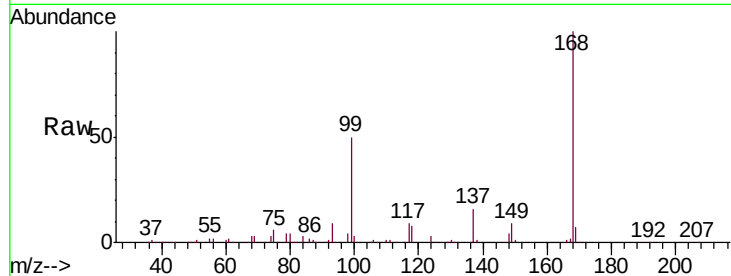




#38
Carbon Tetrachloride
Concen: 6.654 ug/l
RT: 4.96 min Scan# 1204
Delta R.T. -0.15 min
Lab File: VU033979.D
Acq: 27 Aug 2019 17:54

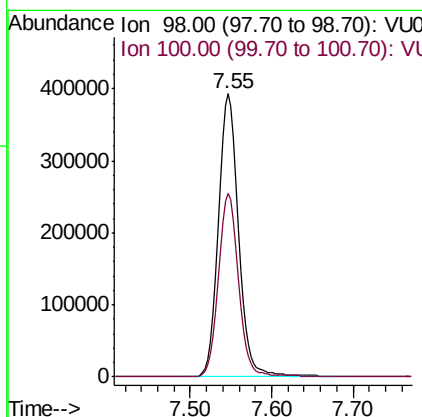
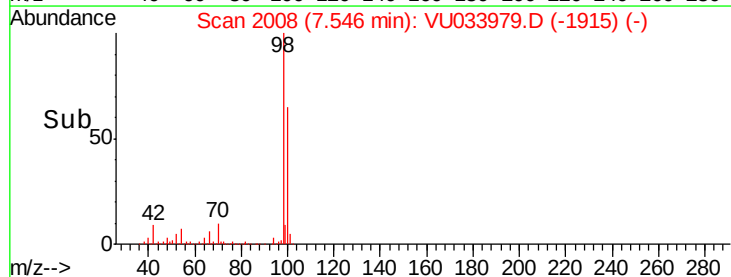
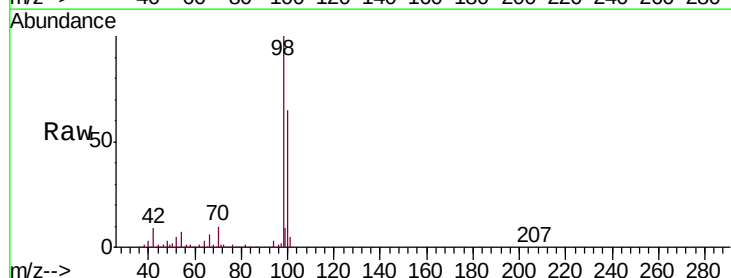
Instrument :
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ClientSampleId :
VU0828WBL01

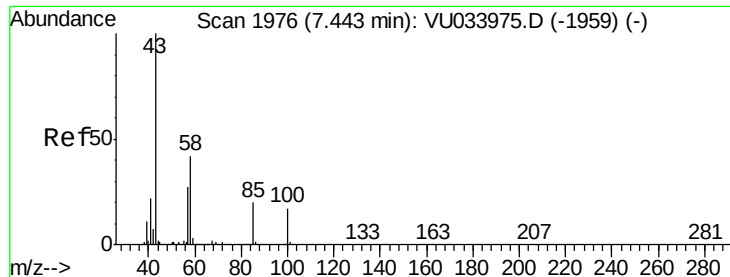
Tgt Ion:117 Resp: 35270
Ion Ratio Lower Upper
117 100
119 5.2 78.4 117.6#
121 0.0 25.4 38.2#



#50
Toluene-d8
Concen: 49.216 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU033979.D
Acq: 27 Aug 2019 17:54

Tgt Ion: 98 Resp: 692947
Ion Ratio Lower Upper
98 100
100 64.6 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 0.335 ug/l

RT: 7.45 min Scan# 1977

Delta R.T. 0.00 min

Lab File: VU033979.D

Acq: 27 Aug 2019 17:54

Instrument :

MSVOA_U

ClientSampleId :

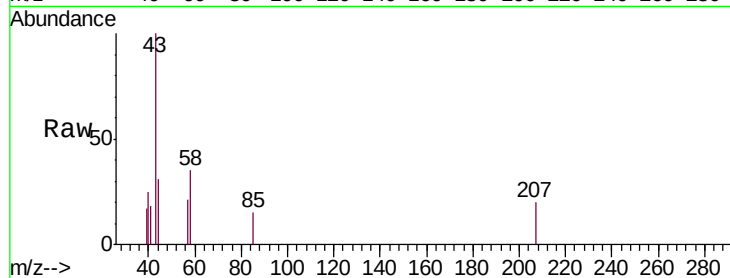
VU0828WBL01

Tgt Ion: 43 Resp: 1850

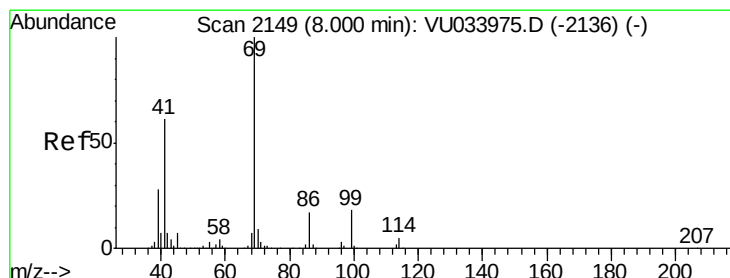
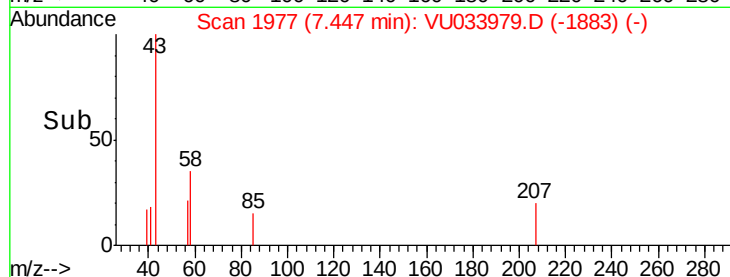
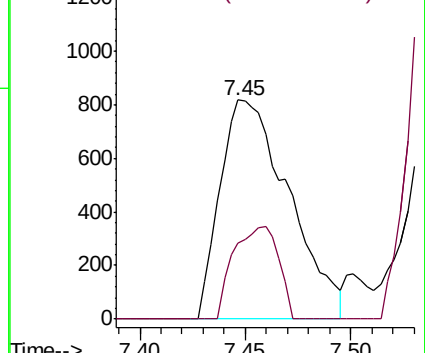
Ion Ratio Lower Upper

43 100

58 27.7 33.6 50.4#



Abundance Ion 43.00 (42.70 to 43.70): VU033975.D (-1959) (-)



#56

Ethyl methacrylate

Concen: 2.518 ug/l

RT: 8.03 min Scan# 2159

Delta R.T. 0.03 min

Lab File: VU033979.D

Acq: 27 Aug 2019 17:54

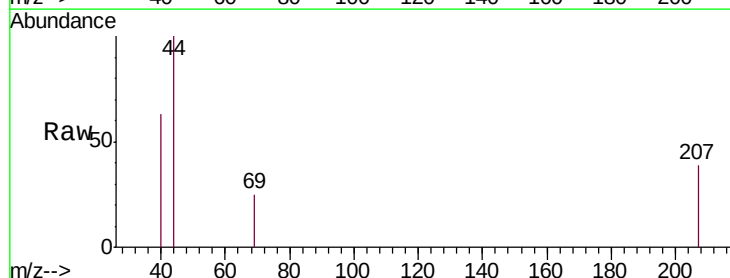
Tgt Ion: 69 Resp: 21

Ion Ratio Lower Upper

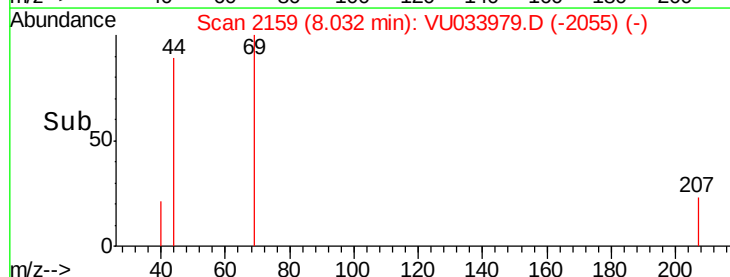
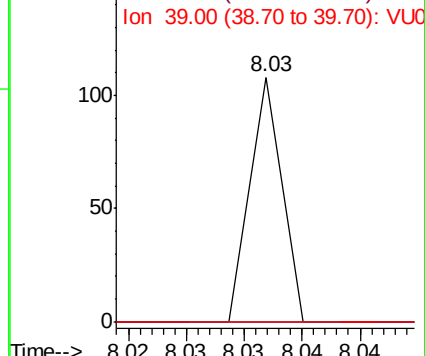
69 100

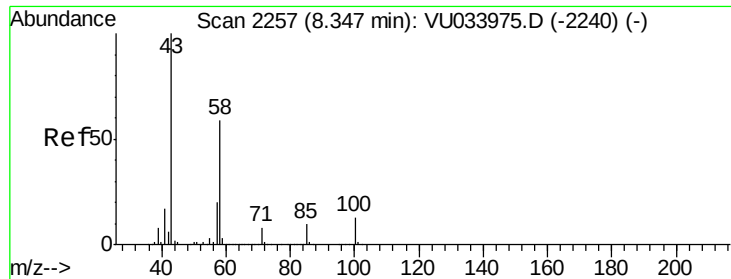
41 0.0 48.6 72.8#

39 0.0 22.4 33.6#



Abundance Ion 69.00 (68.70 to 69.70): VU033975.D (-2136) (-)

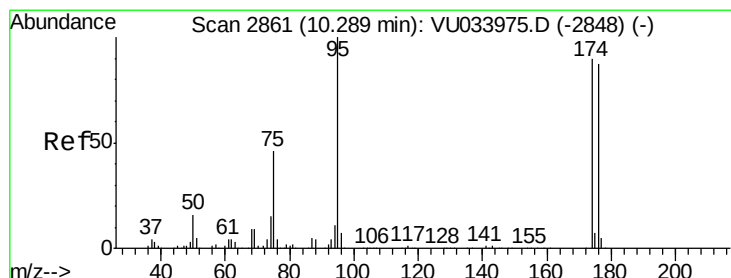
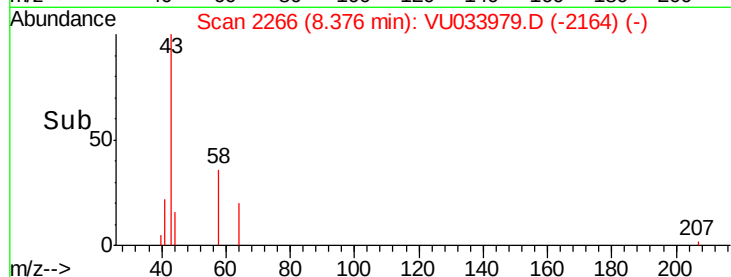
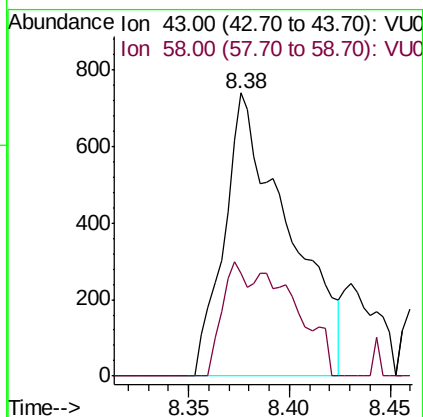
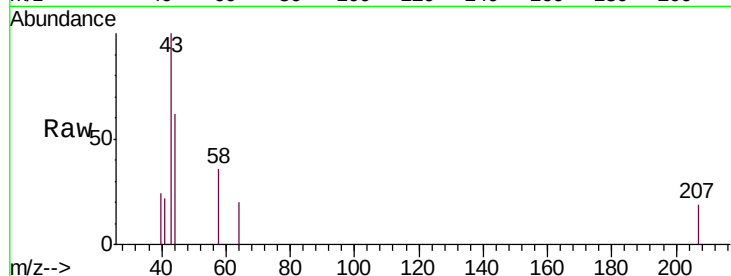




#59
2-Hexanone
Concen: 0.386 ug/l
RT: 8.38 min Scan# 2266
Delta R.T. 0.03 min
Lab File: VU033979.D
Acq: 27 Aug 2019 17:54

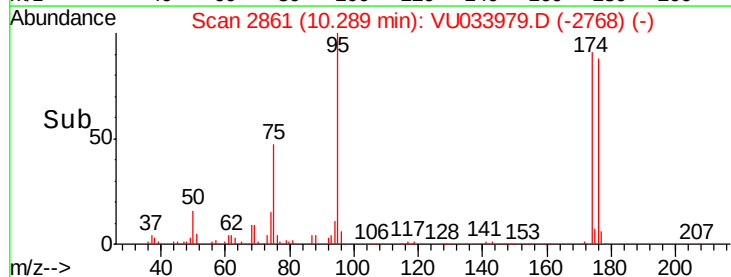
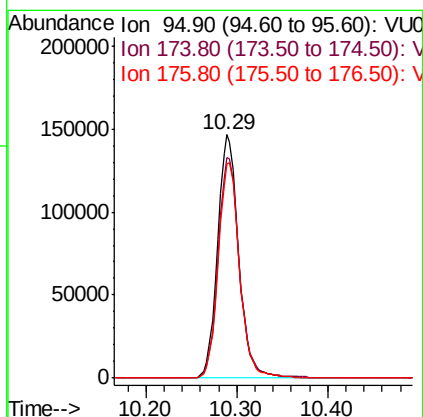
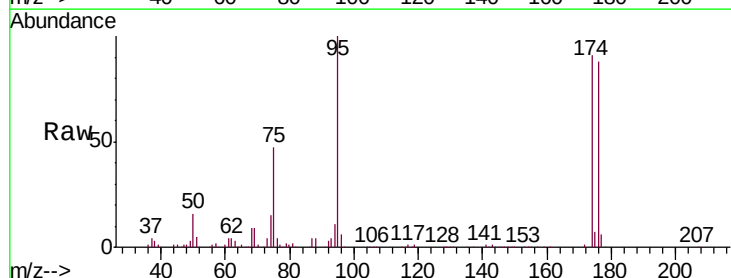
Instrument :
MSVOA_U
ClientSampleId :
VU0828WBL01

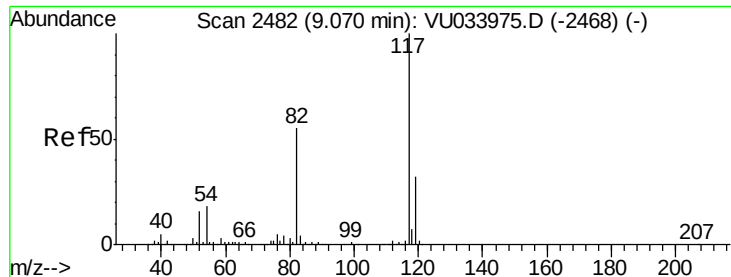
Tgt Ion: 43 Resp: 1638
Ion Ratio Lower Upper
43 100
58 15.6 29.5 88.6#



#62
4-Bromofluorobenzene
Concen: 43.629 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. 0.00 min
Lab File: VU033979.D
Acq: 27 Aug 2019 17:54

Tgt Ion: 95 Resp: 235637
Ion Ratio Lower Upper
95 100
174 92.2 0.0 183.8
176 89.5 0.0 176.4

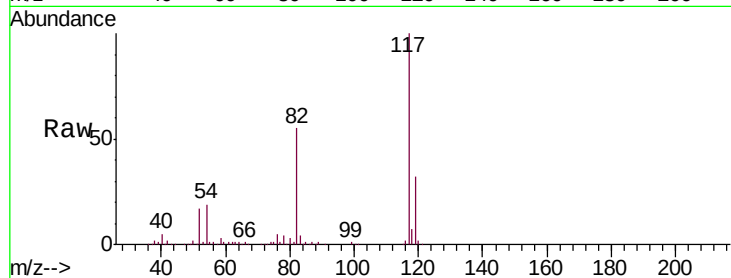




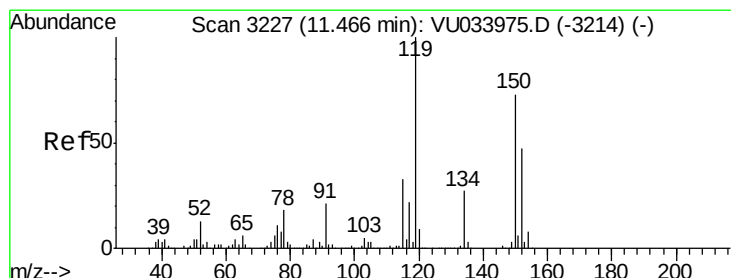
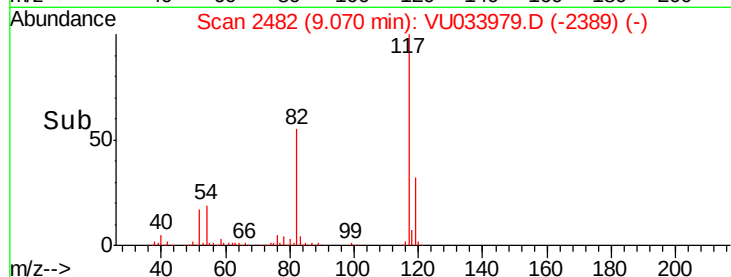
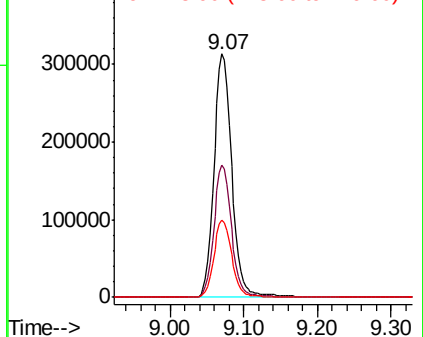
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.07 min Scan# 2482
 Delta R.T. 0.00 min
 Lab File: VU033979.D
 Acq: 27 Aug 2019 17:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBL01

Tgt Ion:117 Resp: 527533
 Ion Ratio Lower Upper
 117 100
 82 54.6 43.8 65.8
 119 31.8 25.7 38.5

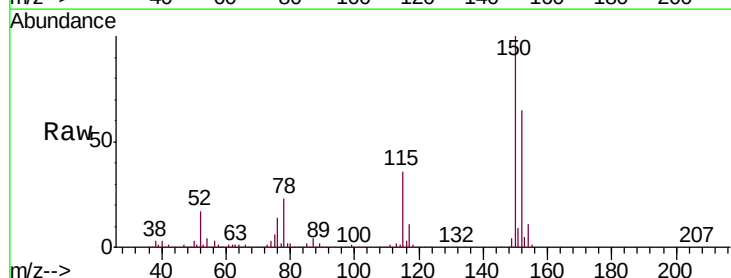


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): VU0
 Ion 118.90 (118.60 to 119.60): V

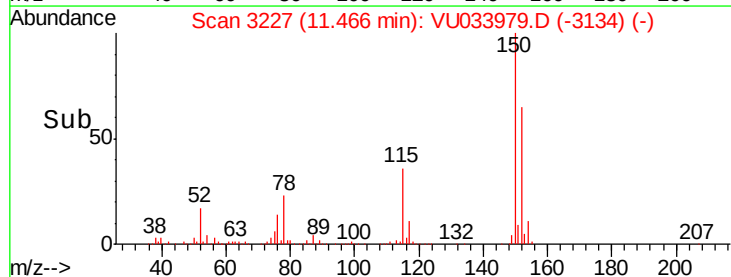
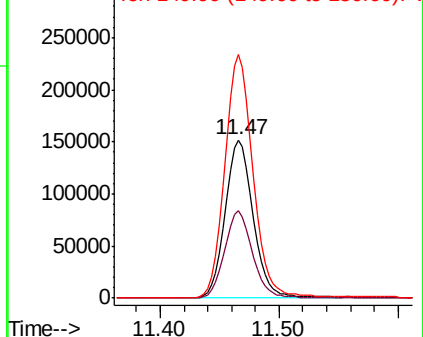


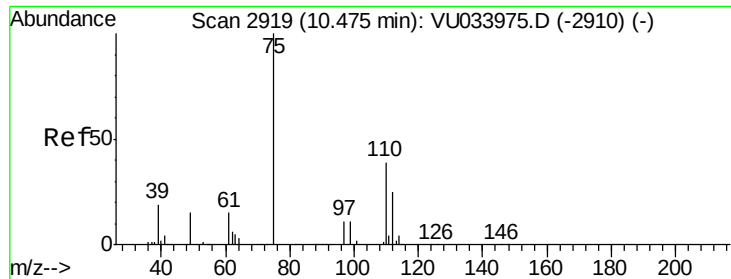
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.47 min Scan# 3227
 Delta R.T. 0.00 min
 Lab File: VU033979.D
 Acq: 27 Aug 2019 17:54

Tgt Ion:152 Resp: 248224
 Ion Ratio Lower Upper
 152 100
 115 55.0 38.6 115.7
 150 154.6 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

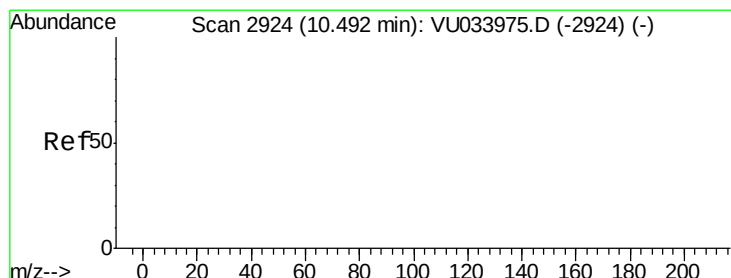
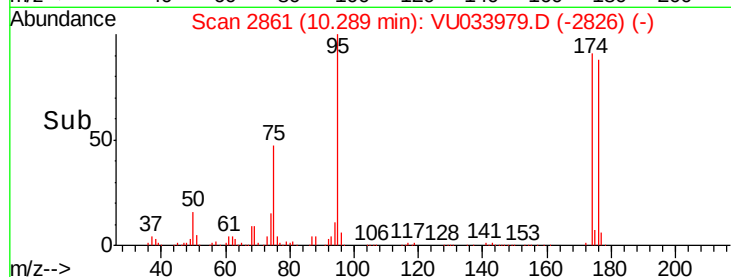
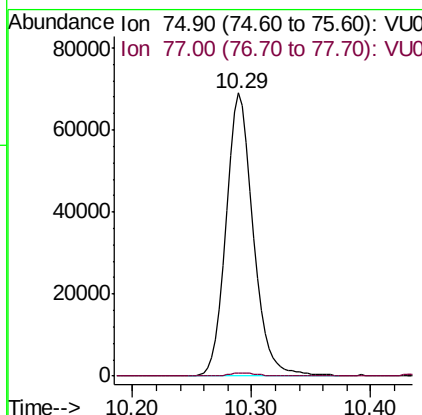
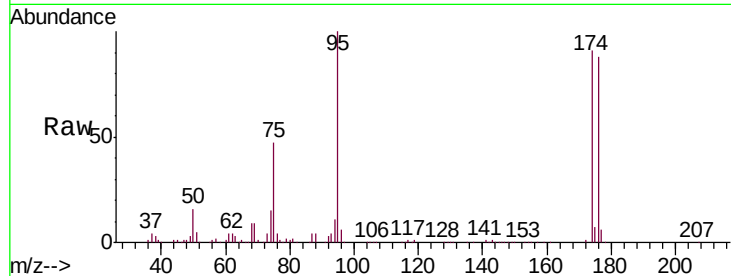




#76
 1,2,3-Trichloropropane
 Concen: 22.089 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. -0.19 min
 Lab File: VU033979.D
 Acq: 27 Aug 2019 17:54

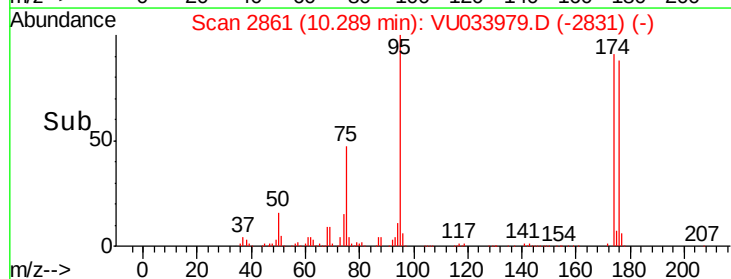
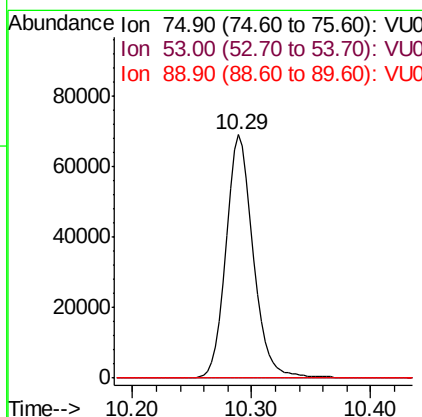
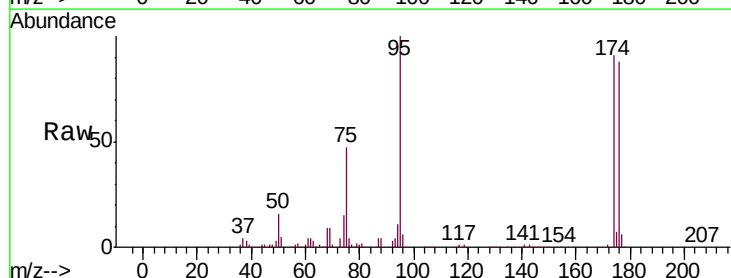
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBL01

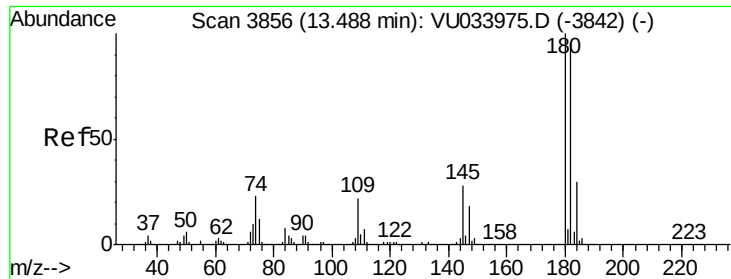
Tgt Ion: 75 Resp: 109248
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.0 63.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.267 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. -0.20 min
 Lab File: VU033979.D
 Acq: 27 Aug 2019 17:54

Tgt Ion: 75 Resp: 109248
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0#
 89 0.0 0.0 0.0

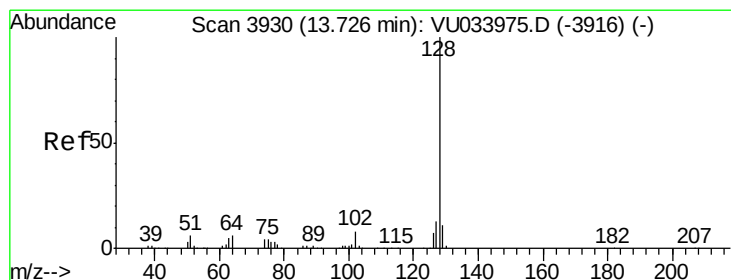
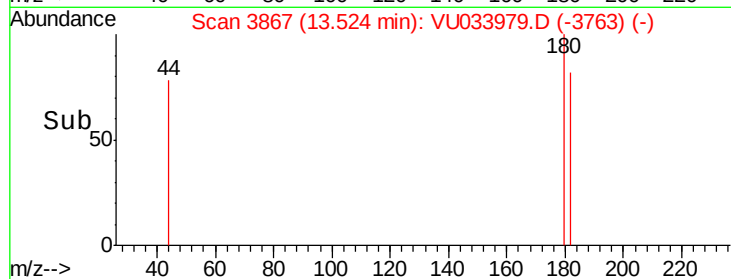
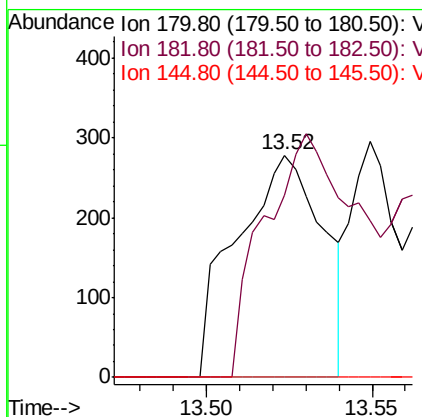
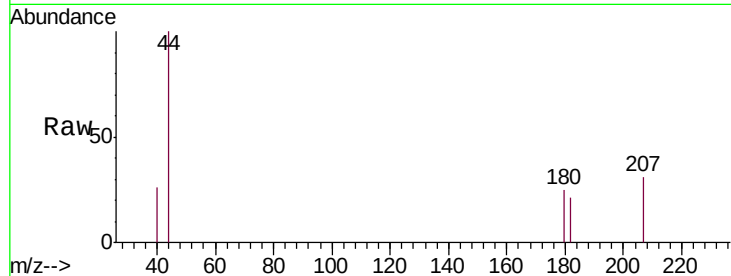




#93
 1,2,4-Trichlorobenzene
 Concen: 1.829 ug/l
 RT: 13.52 min Scan# 3867
 Delta R.T. 0.04 min
 Lab File: VU033979.D
 Acq: 27 Aug 2019 17:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBL01

Tgt Ion:180 Resp: 506
 Ion Ratio Lower Upper
 180 100
 182 117.6 47.4 142.2
 145 0.0 14.4 43.2#



#95
 Naphthalene
 Concen: 2.188 ug/l
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.04 min
 Lab File: VU033979.D
 Acq: 27 Aug 2019 17:54

Tgt Ion:128 Resp: 1677
 Ion Ratio Lower Upper
 128 100
 127 4.2 10.2 15.4#
 129 4.2 8.5 12.7#

