

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120318\
 Data File : VU028437.D
 Acq On : 03 Dec 2018 13:36
 Operator : MD/SY
 Sample : PB115231ZHE#14
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB115231ZHE#14

Quant Time: Dec 04 06:54:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

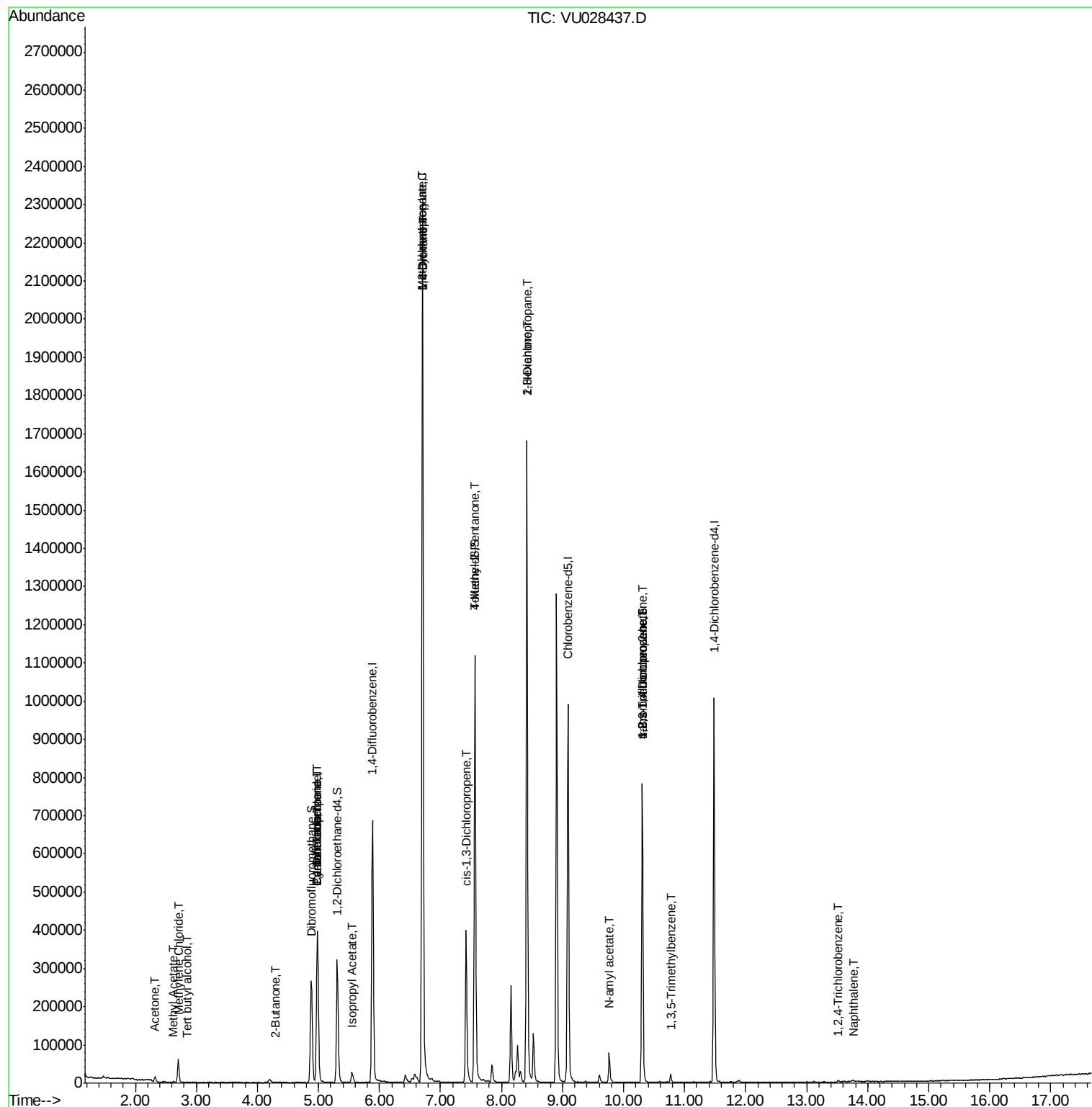
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	298132	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	562536	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	525430	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	247384	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	246734	49.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.04%	
35) Dibromofluoromethane	4.88	113	187821	50.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.42%	
50) Toluene-d8	7.57	98	737898	49.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.66%	
62) 4-Bromofluorobenzene	10.31	95	265436	49.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.46%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.83	59	765	0.676	ug/l #	72
16) Acetone	2.32	43	16123	5.290	ug/l	89
18) Methyl Acetate	2.62	43	2683	0.316	ug/l #	89
20) Methylene Chloride	2.70	84	25306	5.821	ug/l	93
25) 2-Butanone	4.29	43	1340	0.307	ug/l #	54
31) Cyclohexane	4.98	56	7030	0.466	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	25554	4.151	ug/l #	51
38) Carbon Tetrachloride	4.98	117	29032	5.743	ug/l #	16
43) Isopropyl Acetate	5.55	43	32869	2.473	ug/l #	92
45) 1,2-Dichloropropane	6.70	63	2571	0.482	ug/l #	43
48) Methyl methacrylate	6.70	41	204181	29.486	ug/l #	47
49) 1,4-Dioxane	6.72	88	293	2.649	ug/l #	1
51) 4-Methyl-2-Pentanone	7.56	43	17785	2.095	ug/l	98
54) cis-1,3-Dichloropropene	7.42	75	69901	8.945	ug/l #	56
57) 1,3-Dichloropropane	8.41	76	15892	1.983	ug/l #	44
59) 2-Hexanone	8.41	43	245069	37.264	ug/l #	55
74) N-amyl acetate	9.76	43	24555	2.037	ug/l #	55
76) 1,2,3-Trichloropropane	10.31	75	138587	20.202	ug/l #	33
80) 1,3,5-Trimethylbenzene	10.77	105	10334	0.637	ug/l	96
81) trans-1,4-Dichloro-2-buten	10.31	75	138587	53.625	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.51	180	1207	0.224	ug/l #	51
95) Naphthalene	13.75	128	3175	2.979	ug/l #	80

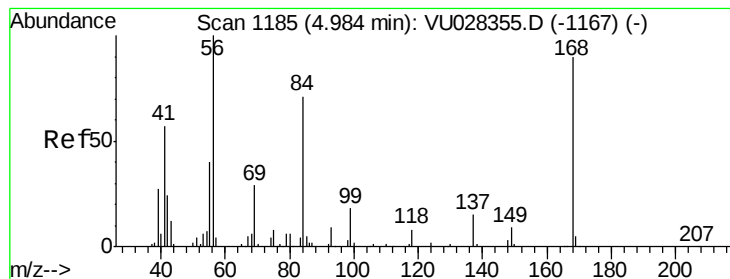
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU120318\
Data File : VU028437.D
Acq On : 03 Dec 2018 13:36
Operator : MD/SY
Sample : PB115231ZHE#14
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PB115231ZHE#14

Quant Time: Dec 04 06:54:57 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 29 01:04:49 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028437.D

Acq: 03 Dec 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

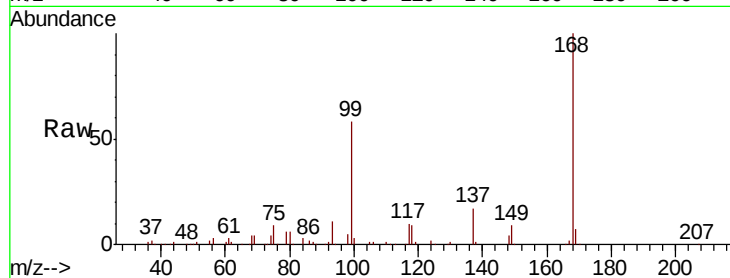
PB115231ZHE#14

Tot Ion:168 Resp: 298132

Ion Ratio Lower Upper

168 100

99 57.6 49.6 74.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0

4.98

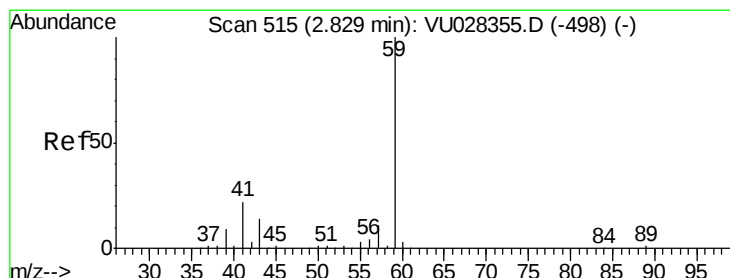
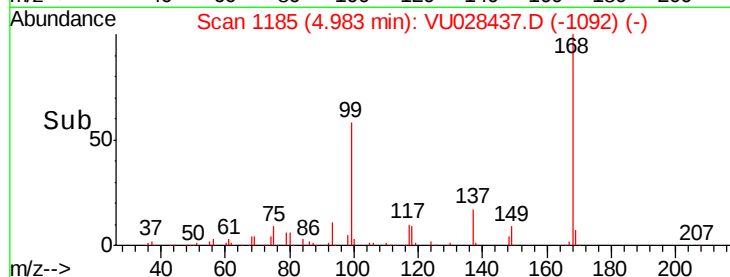
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.676 ug/l

RT: 2.83 min Scan# 515

Delta R.T. -0.00 min

Lab File: VU028437.D

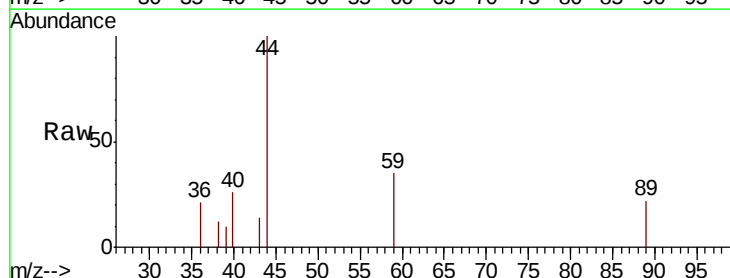
Acq: 03 Dec 2018 13:36

Tgt Ion: 59 Resp: 765

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

2.83

400

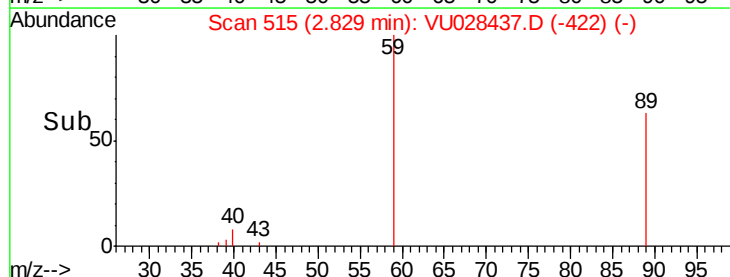
300

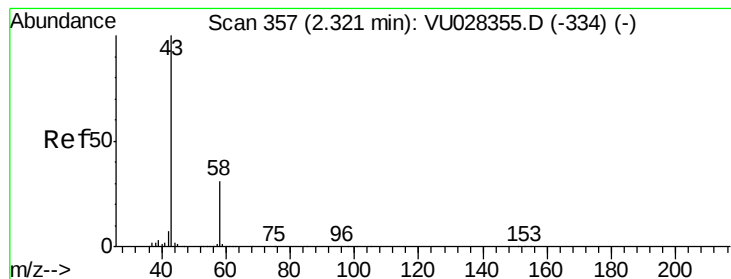
200

100

0

Time-->





#16

Acetone

Concen: 5.290 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU028437.D

Acq: 03 Dec 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

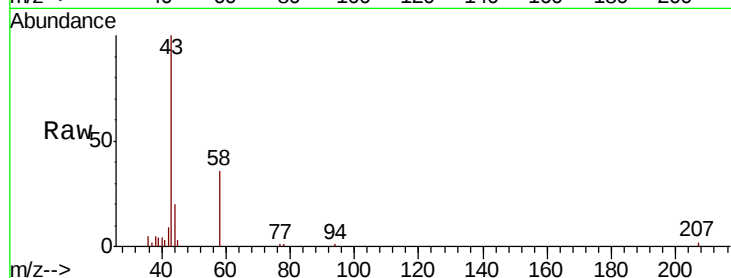
PB115231ZHE#14

Tot Ion: 43 Resp: 16123

Ion Ratio Lower Upper

43 100

58 36.5 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

10000

8000

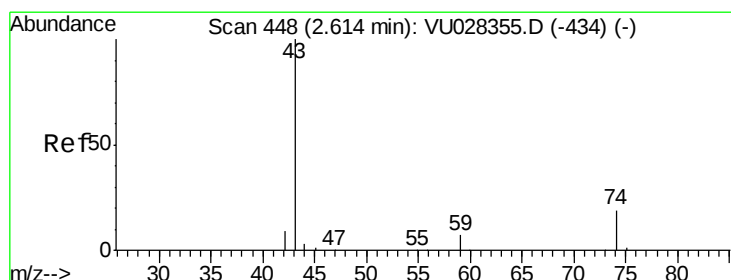
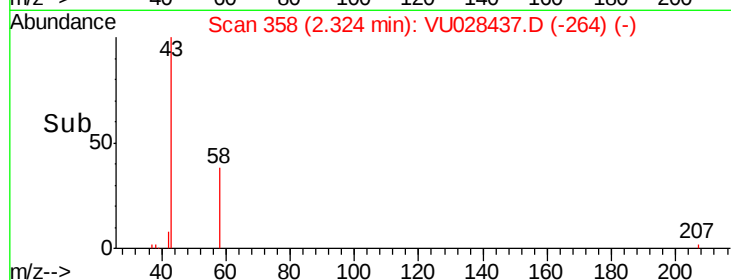
6000

4000

2000

0

Time--> 2.25 2.30 2.35



#18

Methyl Acetate

Concen: 0.316 ug/l

RT: 2.62 min Scan# 451

Delta R.T. 0.01 min

Lab File: VU028437.D

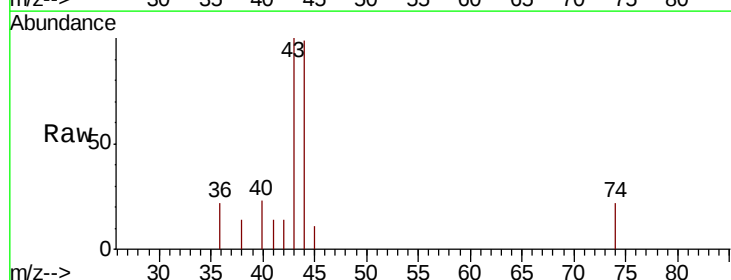
Acq: 03 Dec 2018 13:36

Tgt Ion: 43 Resp: 2683

Ion Ratio Lower Upper

43 100

74 14.1 15.3 22.9#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

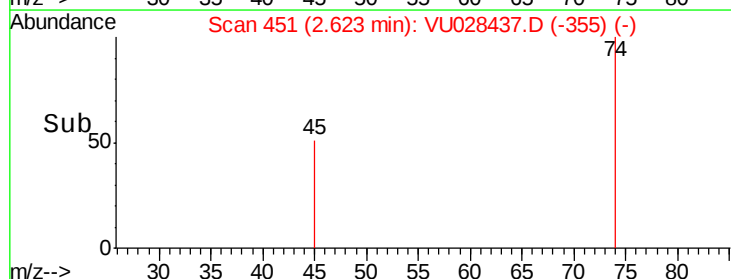
2.62

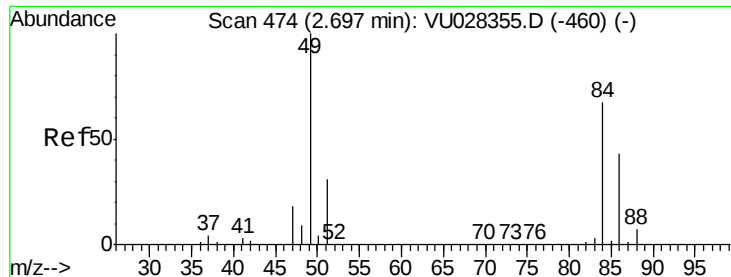
1000

500

0

Time--> 2.55 2.60 2.65

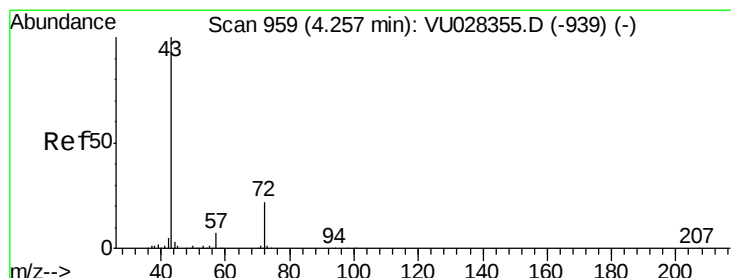
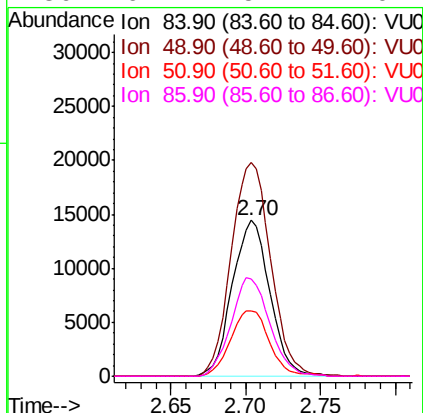
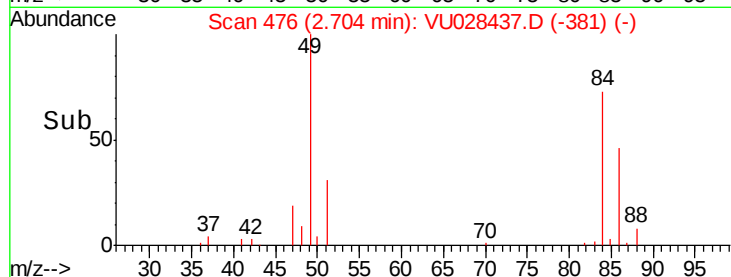
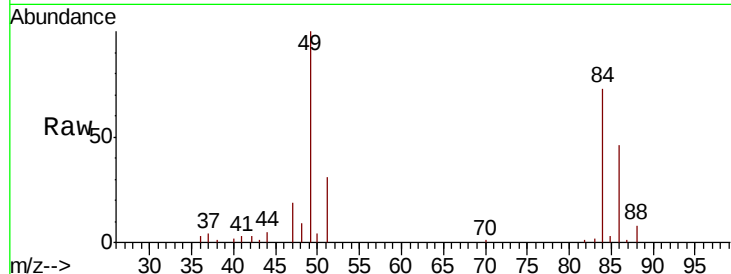




#20
Methvlene Chloride
Concen: 5.821 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.01 min
Lab File: VU028437.D
Acq: 03 Dec 2018 13:36

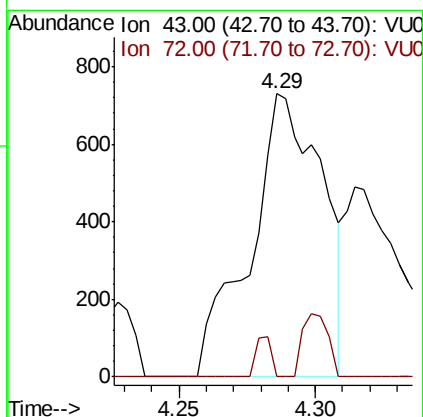
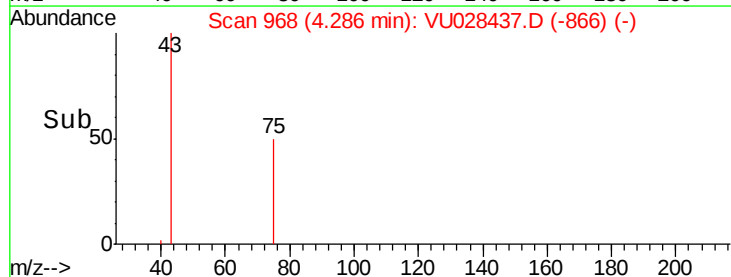
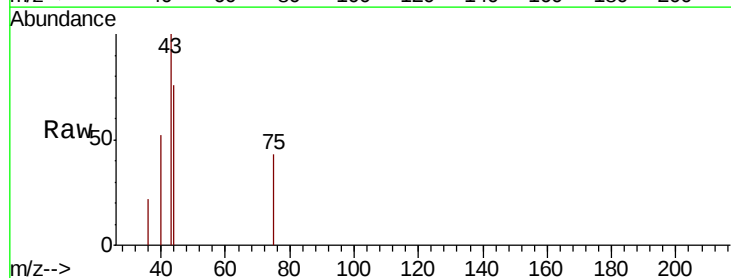
Instrument :
MSVOA_U
ClientSampleId :
PB115231ZHE#14

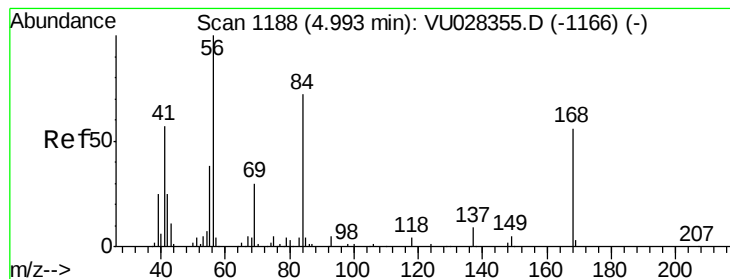
Tot Ion: 84 Resp: 25306
Ion Ratio Lower Upper
84 100
49 137.0 120.0 180.0
51 42.1 36.9 55.3
86 62.4 51.1 76.7



#25
2-Butanone
Concen: 0.307 ug/l
RT: 4.29 min Scan# 968
Delta R.T. 0.03 min
Lab File: VU028437.D
Acq: 03 Dec 2018 13:36

Tgt Ion: 43 Resp: 1340
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#





#31

Cyclohexane

Concen: 0.466 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VU028437.D

Acq: 03 Dec 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

PB115231ZHE#14

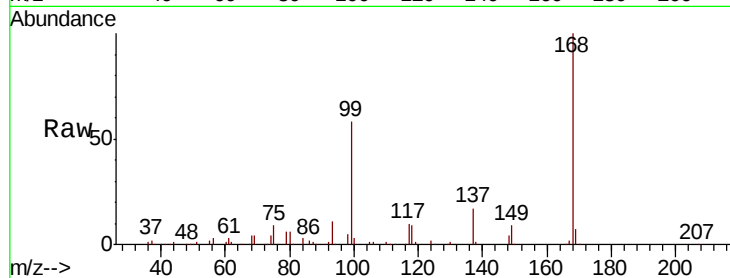
Tot Ion: 56 Resp: 7030

Ion Ratio Lower Upper

56 100

69 169.4 23.7 35.5#

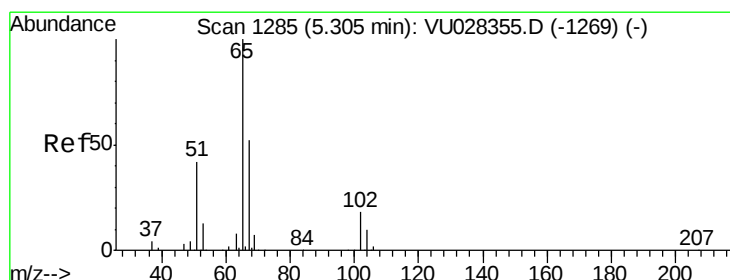
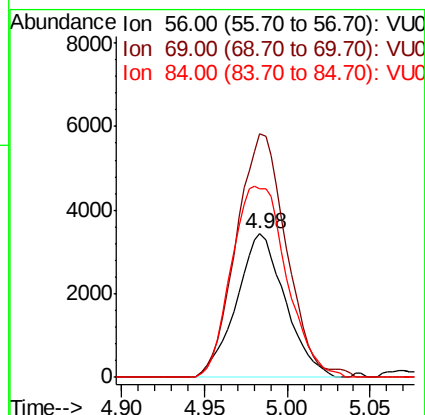
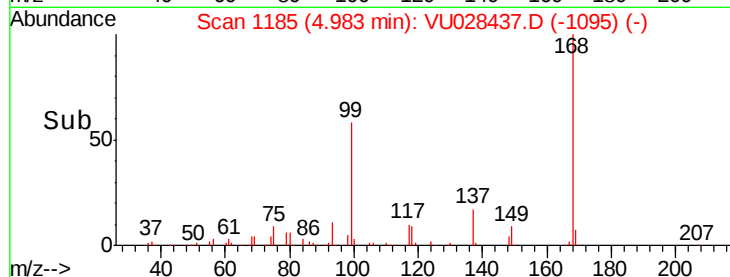
84 131.2 57.3 85.9#



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: 49.520 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VU028437.D

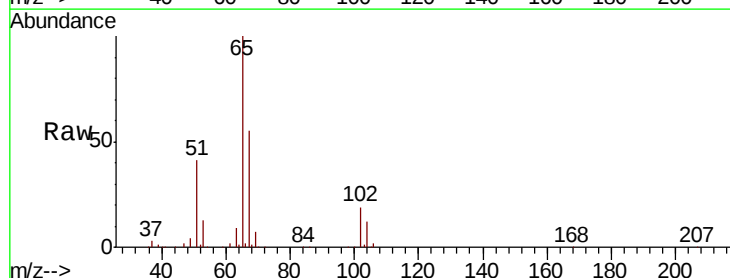
Acq: 03 Dec 2018 13:36

Tgt Ion: 65 Resp: 246734

Ion Ratio Lower Upper

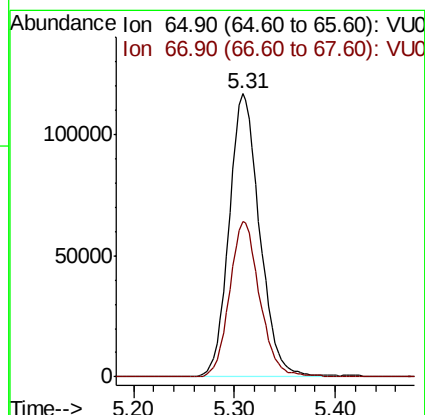
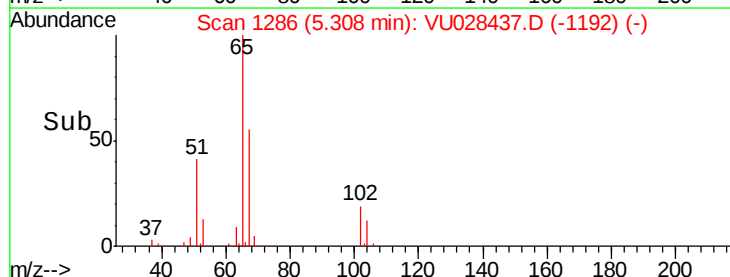
65 100

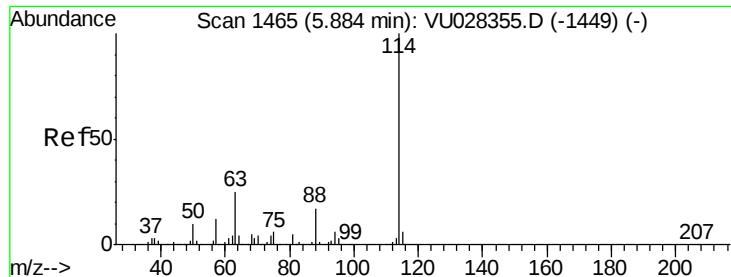
67 54.3 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

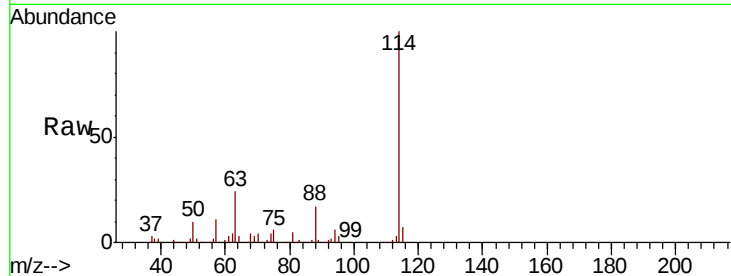




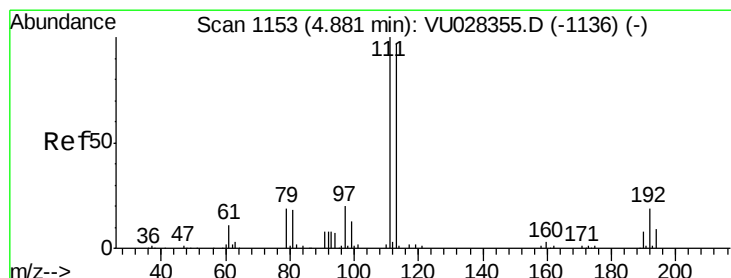
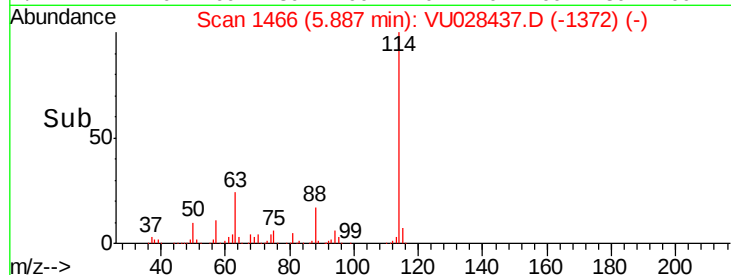
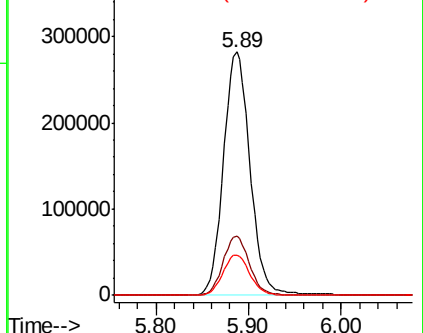
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028437.D
 Acq: 03 Dec 2018 13:36

Instrument :
 MSVOA_U
 ClientSampleId :
 PB115231ZHE#14

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.3	0.0	50.0
88	16.6	0.0	34.4

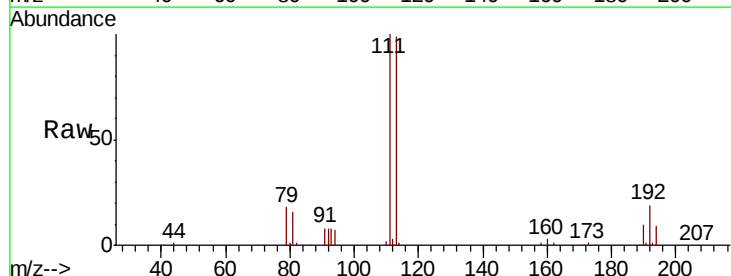


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

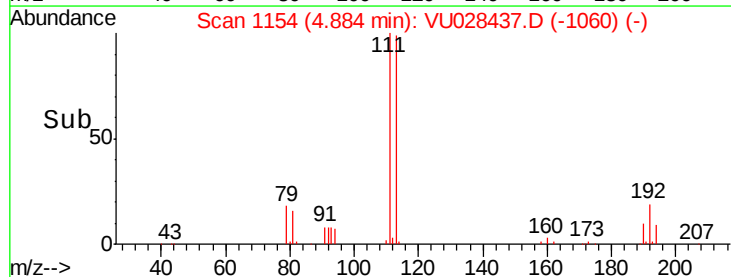
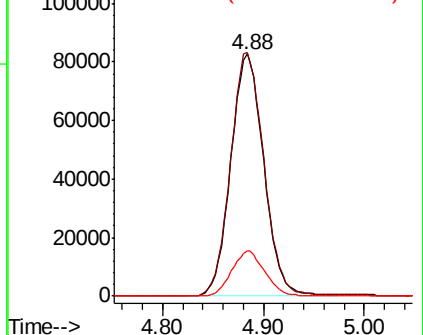


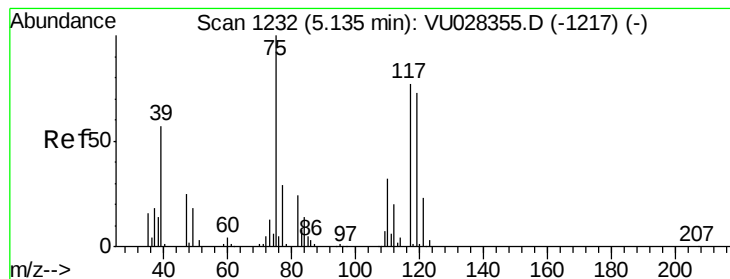
#35
 Dibromofluoromethane
 Concen: 50.211 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU028437.D
 Acq: 03 Dec 2018 13:36

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.9	124.3
192	18.8	15.4	23.0



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: 4.151 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028437.D

Acq: 03 Dec 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

PB115231ZHE#14

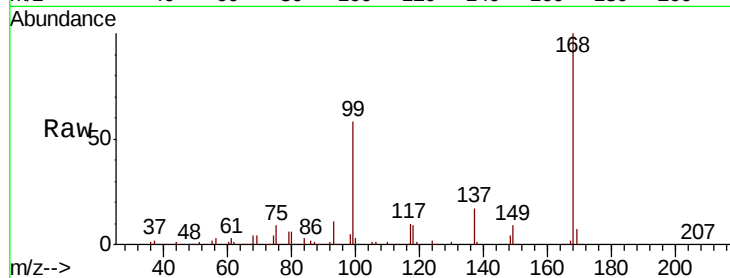
Tot Ion: 75 Resp: 25554

Ion Ratio Lower Upper

75 100

110 8.5 15.8 47.4#

77 0.0 24.6 36.8#

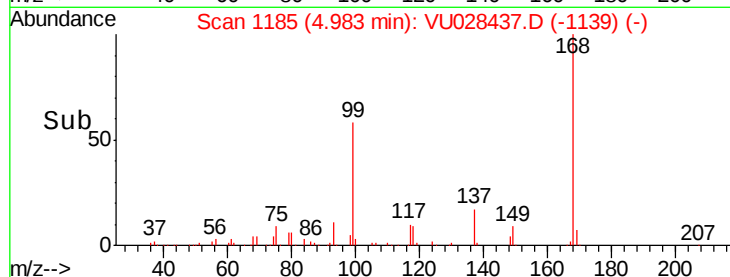


Abundance Ion 74.90 (74.60 to 75.60): VU028355.D (-1217) (-)

Ion 109.90 (109.60 to 110.60): VU028355.D (-1217) (-)

Ion 76.90 (76.60 to 77.60): VU028355.D (-1217) (-)

Time-->

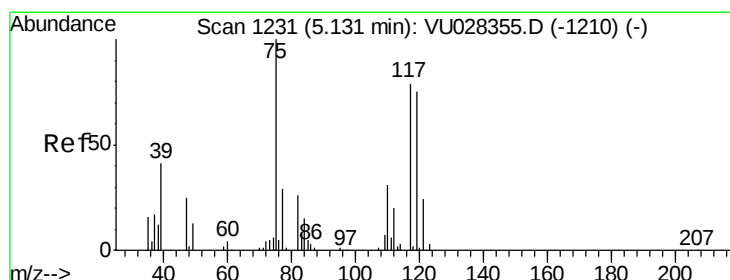


Abundance Ion 74.90 (74.60 to 75.60): VU028437.D (-1139) (-)

Ion 109.90 (109.60 to 110.60): VU028437.D (-1139) (-)

Ion 76.90 (76.60 to 77.60): VU028437.D (-1139) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.743 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028437.D

Acq: 03 Dec 2018 13:36

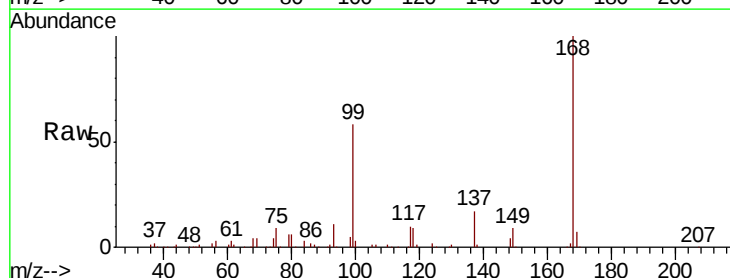
Tgt Ion: 117 Resp: 29032

Ion Ratio Lower Upper

117 100

119 5.3 76.3 114.5#

121 0.0 24.7 37.1#

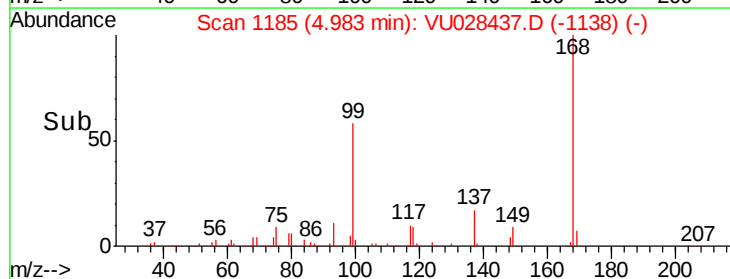


Abundance Ion 116.80 (116.50 to 117.50): VU028355.D (-1210) (-)

Ion 118.80 (118.50 to 119.50): VU028355.D (-1210) (-)

Ion 120.80 (120.50 to 121.50): VU028355.D (-1210) (-)

Time-->

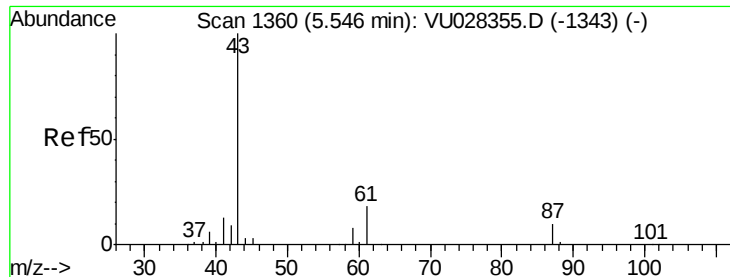


Abundance Ion 116.80 (116.50 to 117.50): VU028437.D (-1138) (-)

Ion 118.80 (118.50 to 119.50): VU028437.D (-1138) (-)

Ion 120.80 (120.50 to 121.50): VU028437.D (-1138) (-)

Time-->



#43

Isopropyl Acetate

Concen: 2.473 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.01 min

Lab File: VU028437.D

Acq: 03 Dec 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

PB115231ZHE#14

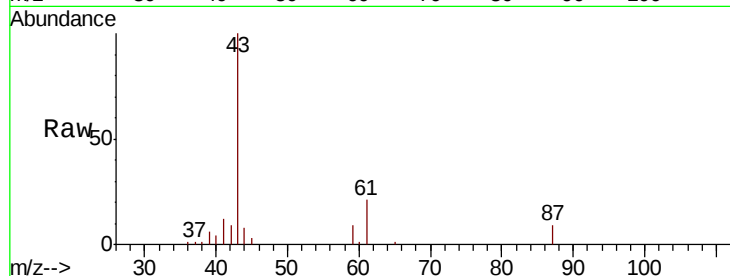
Tot Ion: 43 Resp: 32869

Ion Ratio Lower Upper

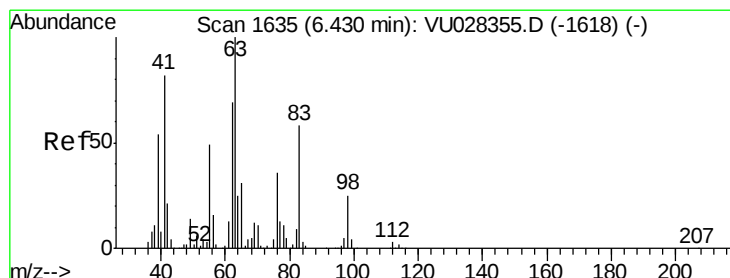
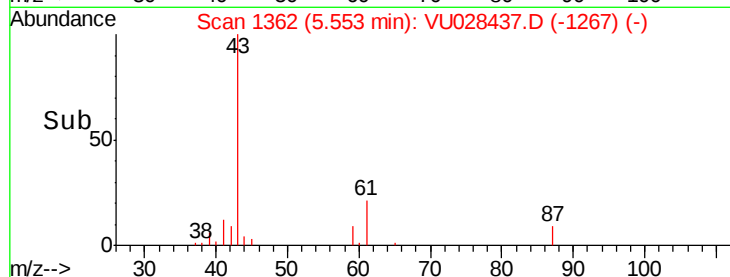
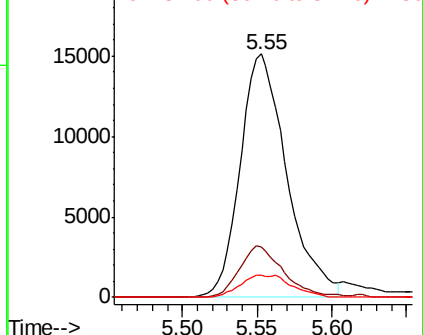
43 100

61 20.1 14.5 21.7

87 5.2 8.4 12.6#



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



#45

1,2-Dichloropropane

Concen: 0.482 ug/l

RT: 6.70 min Scan# 1720

Delta R.T. 0.27 min

Lab File: VU028437.D

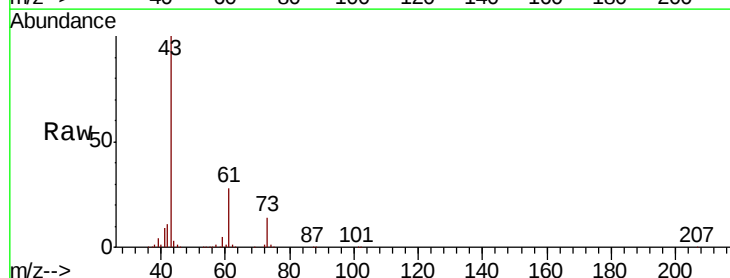
Acq: 03 Dec 2018 13:36

Tgt Ion: 63 Resp: 2571

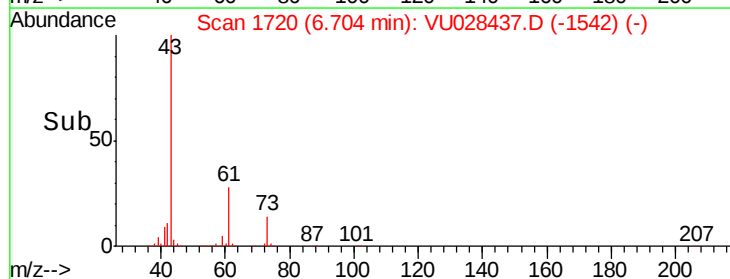
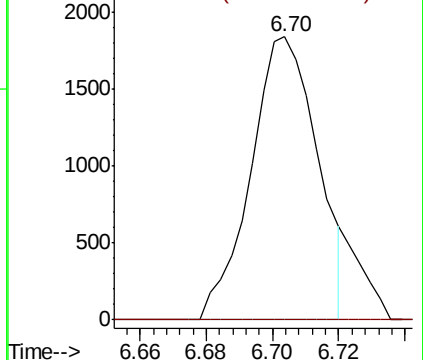
Ion Ratio Lower Upper

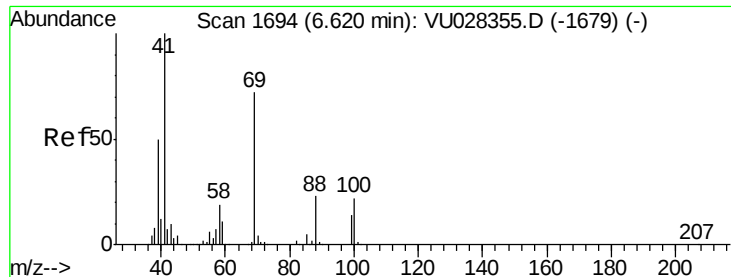
63 100

65 0.0 25.1 37.7#



Abundance Ion 62.90 (62.60 to 63.60): VU0
Ion 64.90 (64.60 to 65.60): VU0

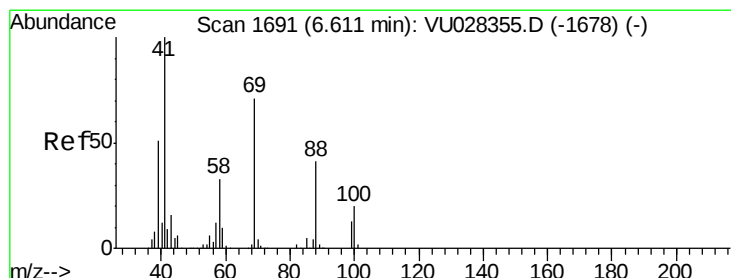
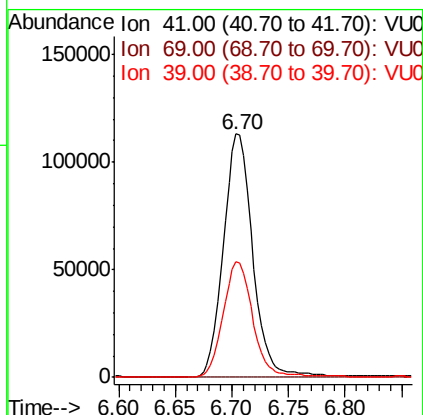
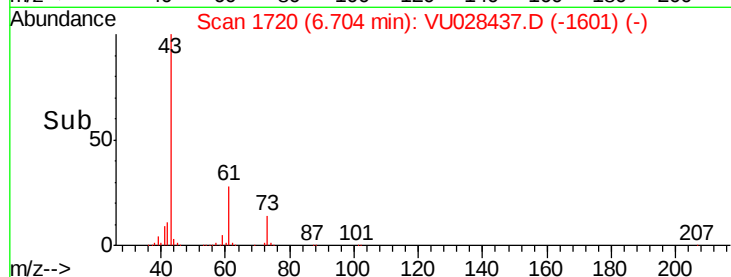
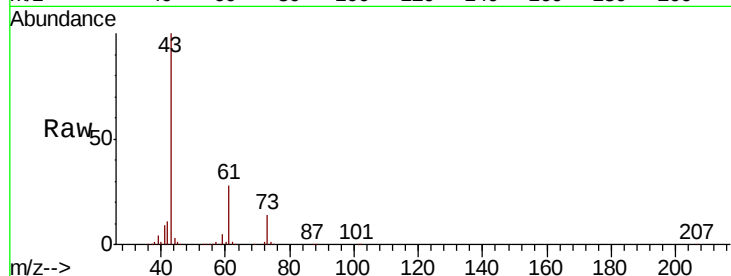




#48
Methvl methacrylate
Concen: 29.486 ug/l
RT: 6.70 min Scan# 1720
Delta R.T. 0.08 min
Lab File: VU028437.D
Acq: 03 Dec 2018 13:36

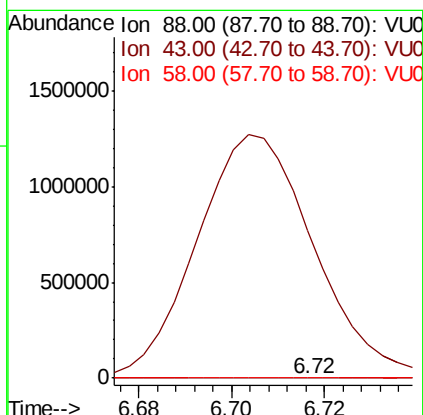
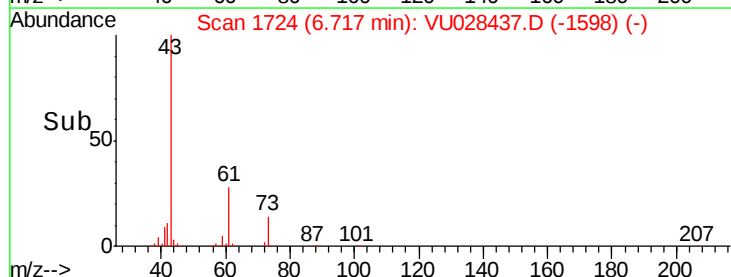
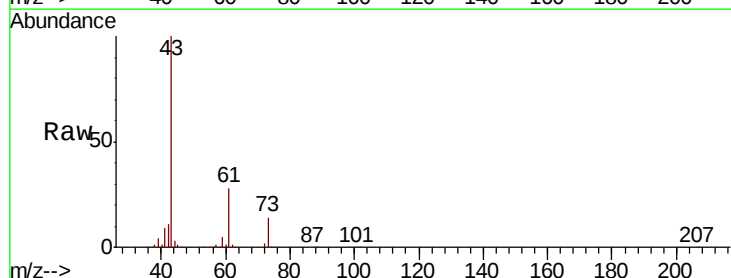
Instrument :
MSVOA_U
ClientSampleId :
PB115231ZHE#14

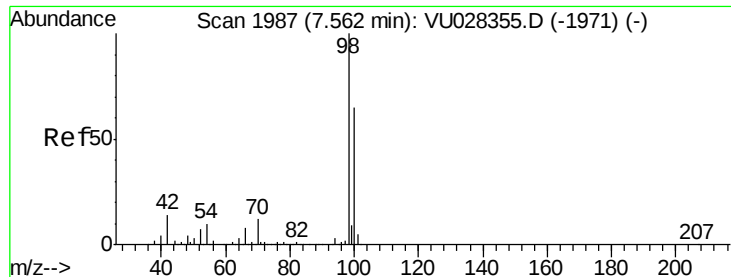
Tot Ion: 41 Resp: 204181
Ion Ratio Lower Upper
41 100
69 0.1 59.0 88.4#
39 48.3 40.5 60.7



#49
1,4-Dioxane
Concen: 2.649 ug/l
RT: 6.72 min Scan# 1724
Delta R.T. 0.11 min
Lab File: VU028437.D
Acq: 03 Dec 2018 13:36

Tgt Ion: 88 Resp: 293
Ion Ratio Lower Upper
88 100
43 787381.6 32.6 48.8#
58 2884.6 68.7 103.1#





#50

Toluene-d8

Concen: 49.325 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU028437.D

Acq: 03 Dec 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

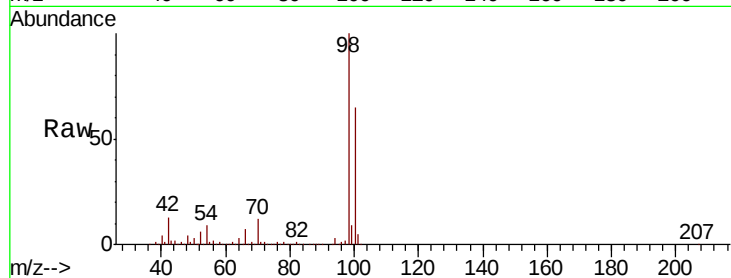
PB115231ZHE#14

Tot Ion: 98 Resp: 737898

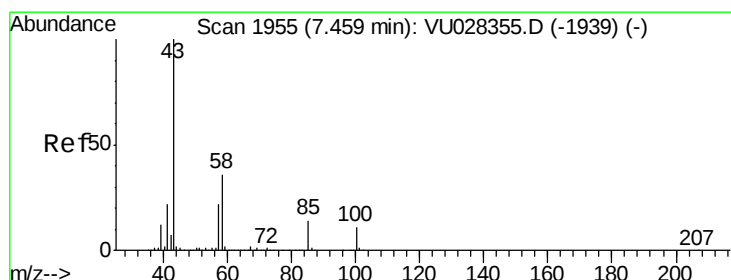
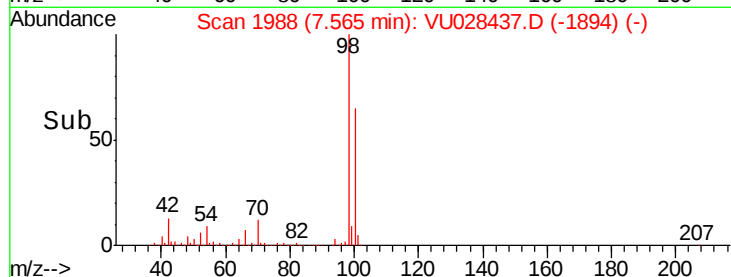
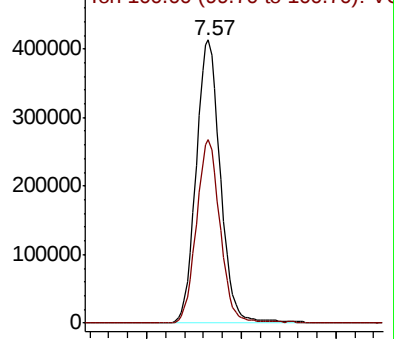
Ion Ratio Lower Upper

98 100

100 63.3 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VU028355.D (-1971) (-)



#51

4-Methyl-2-Pentanone

Concen: 2.095 ug/l

RT: 7.56 min Scan# 1986

Delta R.T. 0.10 min

Lab File: VU028437.D

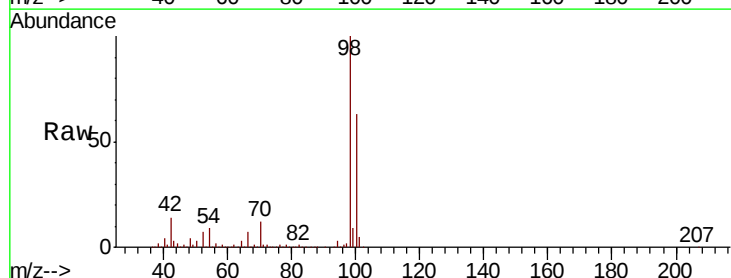
Acq: 03 Dec 2018 13:36

Tgt Ion: 43 Resp: 17785

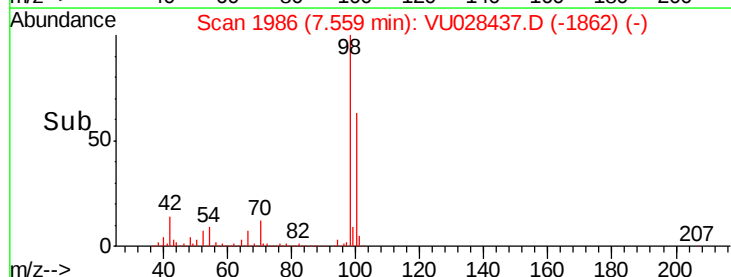
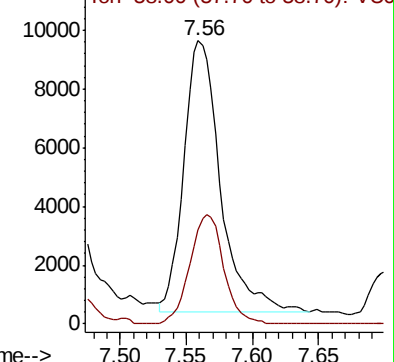
Ion Ratio Lower Upper

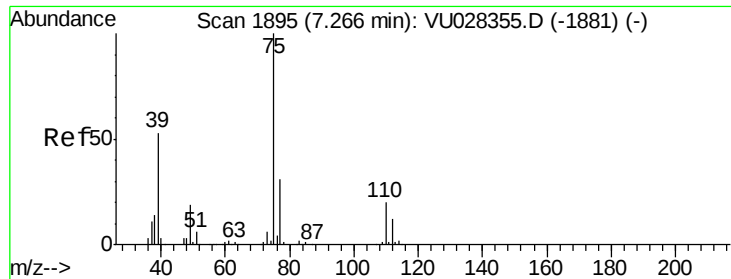
43 100

58 37.1 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VU028355.D (-1939) (-)



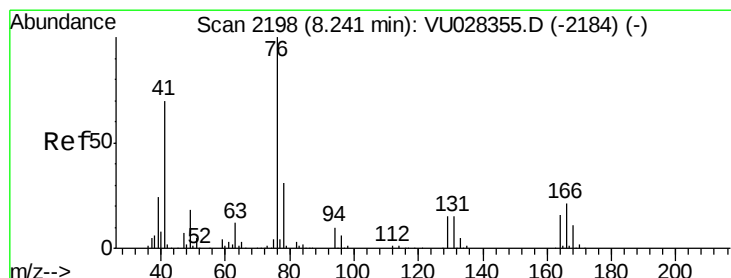
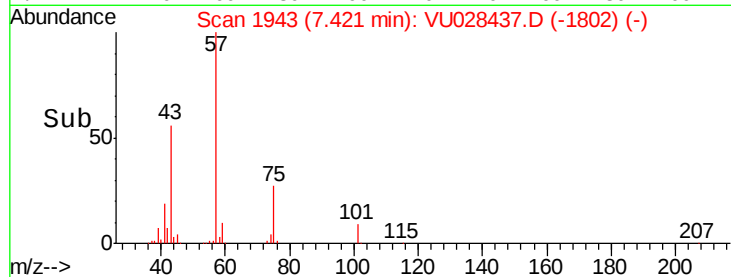
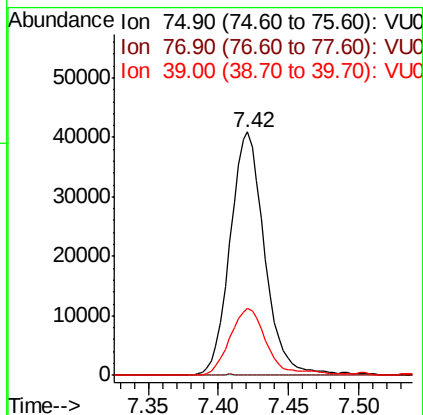
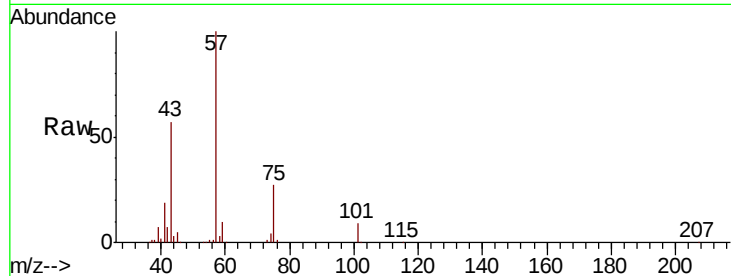


#54

cis-1,3-Dichloropropene
 Concen: 8.945 ug/l
 RT: 7.42 min Scan# 1943
 Delta R.T. 0.15 min
 Lab File: VU028437.D
 Acq: 03 Dec 2018 13:36

Instrument :
 MSVOA_U
 ClientSampleId :
 PB115231ZHE#14

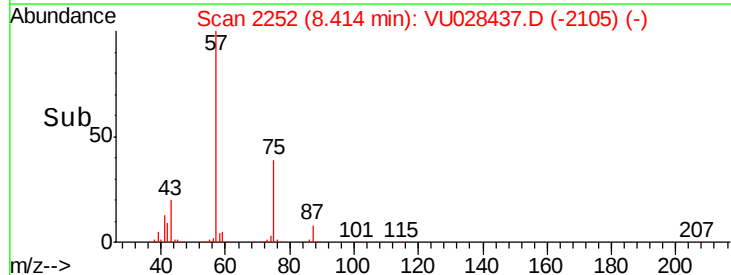
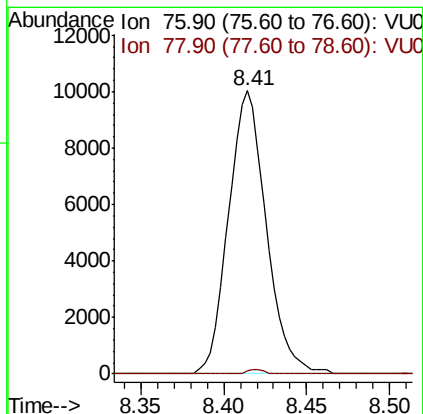
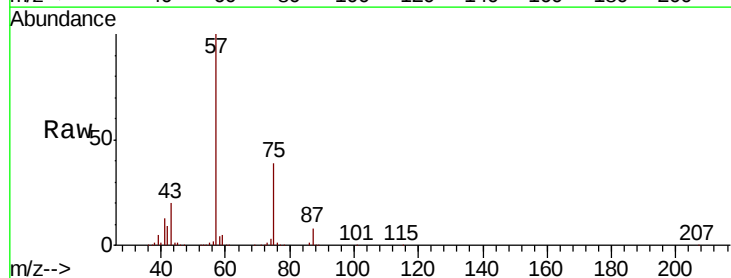
Tot Ion: 75 Resp: 69901
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.9 37.3#
 39 27.4 42.6 64.0#

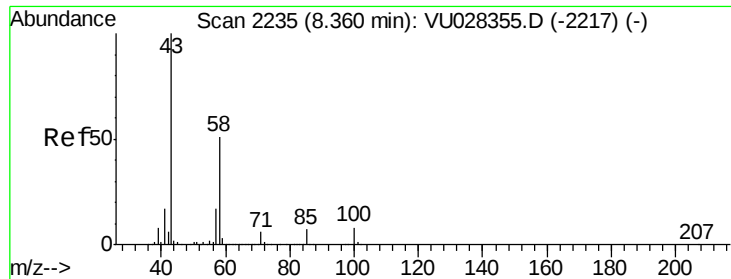


#57

1,3-Dichloropropane
 Concen: 1.983 ug/l
 RT: 8.41 min Scan# 2252
 Delta R.T. 0.17 min
 Lab File: VU028437.D
 Acq: 03 Dec 2018 13:36

Tgt Ion: 76 Resp: 15892
 Ion Ratio Lower Upper
 76 100
 78 0.6 25.4 38.0#





#59

2-Hexanone

Concen: 37.264 ug/l

RT: 8.41 min Scan# 2252

Delta R.T. 0.05 min

Lab File: VU028437.D

Acq: 03 Dec 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

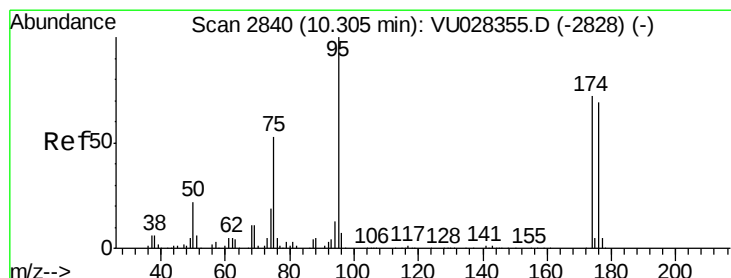
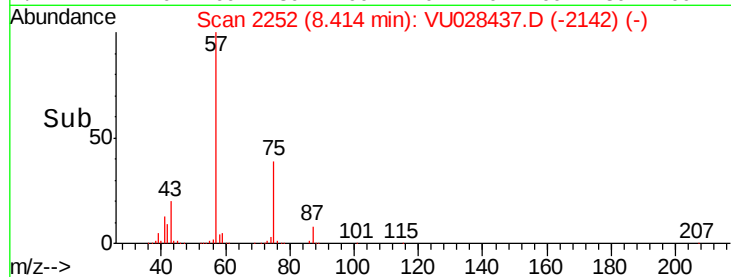
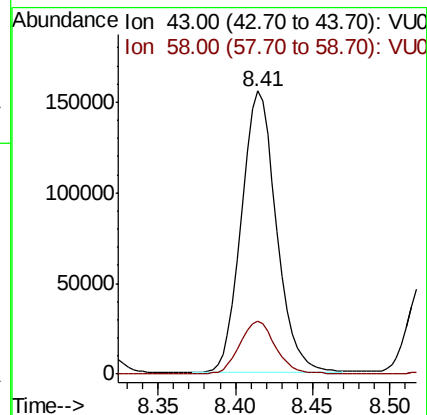
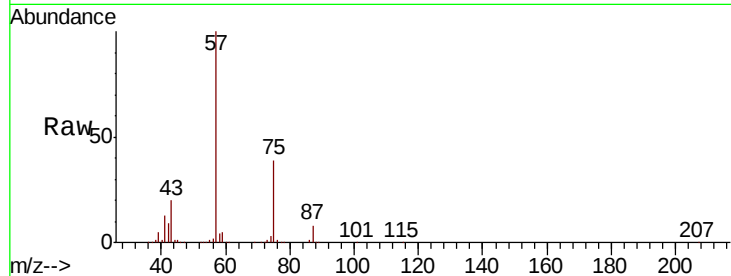
PB115231ZHE#14

Tot Ion: 43 Resp: 245069

Ion Ratio Lower Upper

43 100

58 19.6 25.5 76.5#



#62

4-Bromofluorobenzene

Concen: 49.228 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028437.D

Acq: 03 Dec 2018 13:36

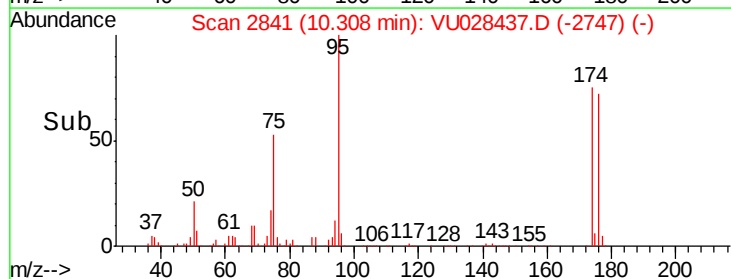
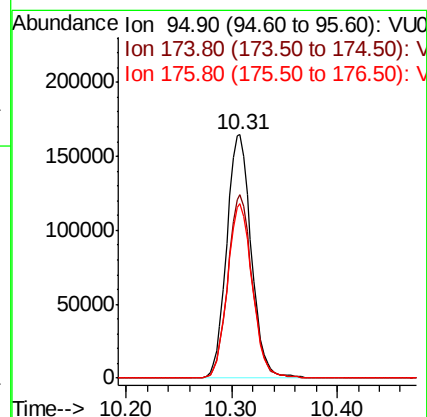
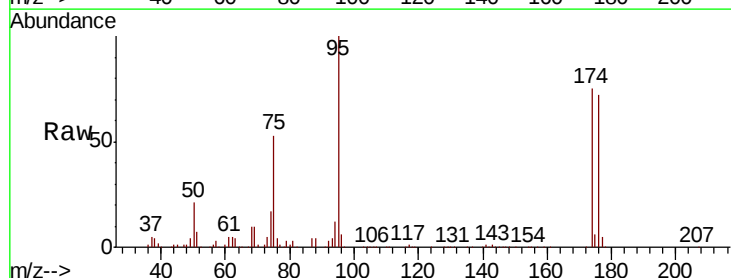
Tgt Ion: 95 Resp: 265436

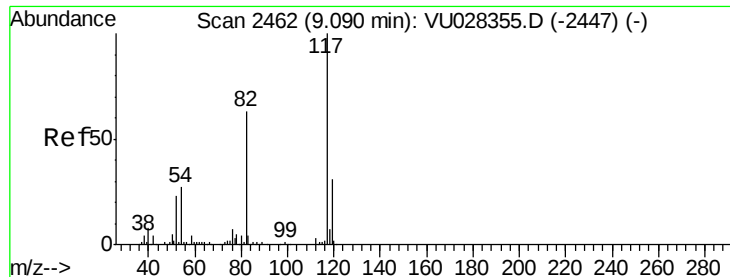
Ion Ratio Lower Upper

95 100

174 74.9 0.0 145.4

176 72.4 0.0 140.8

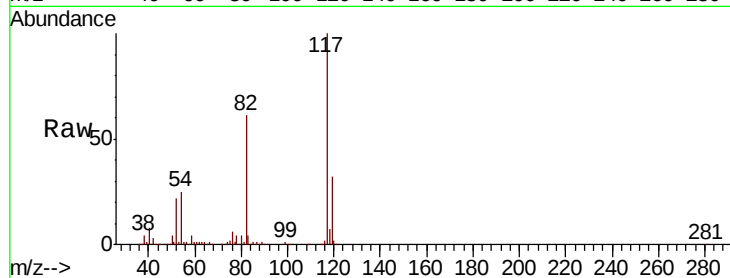




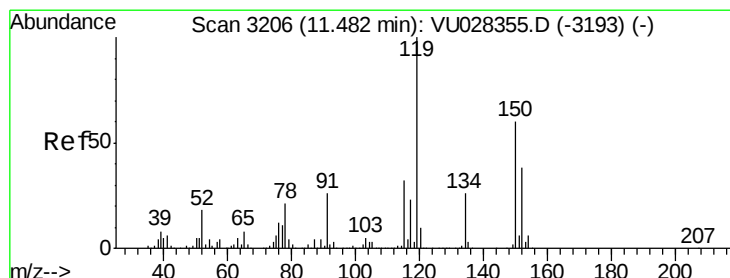
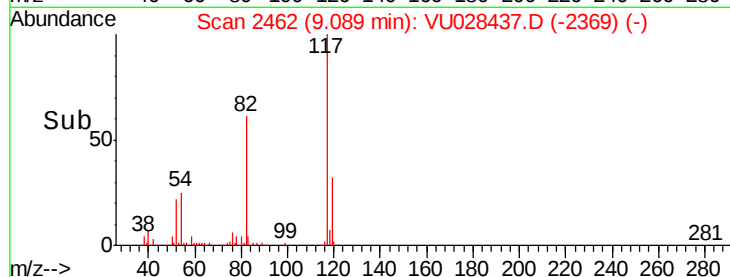
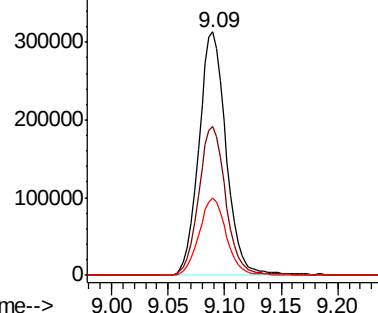
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028437.D
Acq: 03 Dec 2018 13:36

Instrument :
MSVOA_U
ClientSampleId :
PB115231ZHE#14

Tot Ion:117 Resp: 525430
Ion Ratio Lower Upper
117 100
82 61.1 50.3 75.5
119 31.7 24.8 37.2

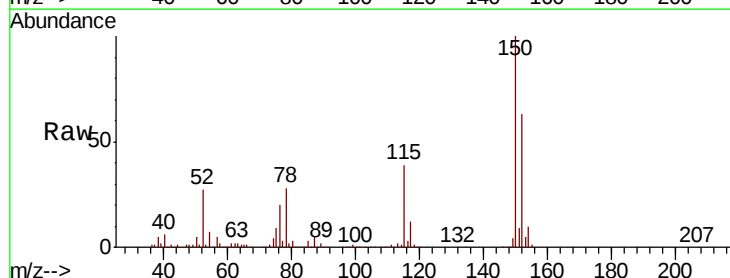


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

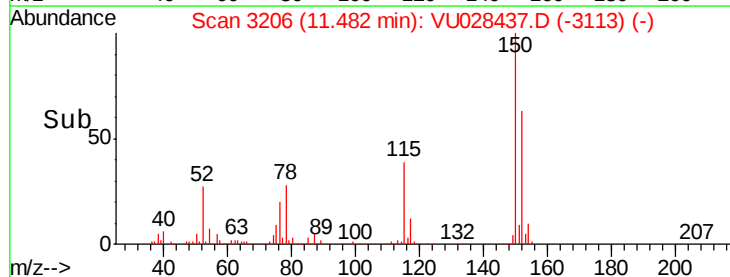
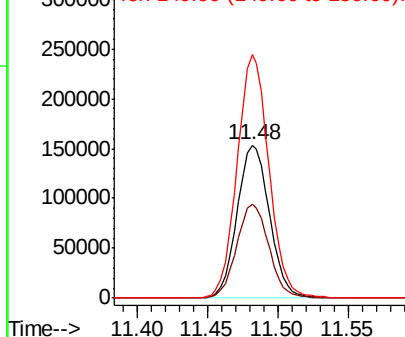


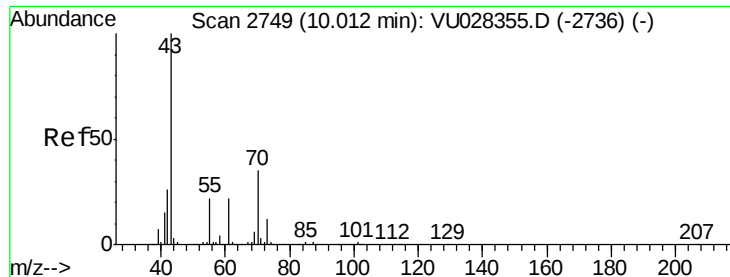
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028437.D
Acq: 03 Dec 2018 13:36

Tgt Ion:152 Resp: 247384
Ion Ratio Lower Upper
152 100
115 61.0 45.0 134.8
150 156.7 0.0 349.2



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-amvl acetate

Concen: 2.037 ug/l

RT: 9.76 min Scan# 2672

Delta R.T. -0.25 min

Lab File: VU028437.D

Acq: 03 Dec 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

PB115231ZHE#14

Tot Ion: 43 Resp: 24555

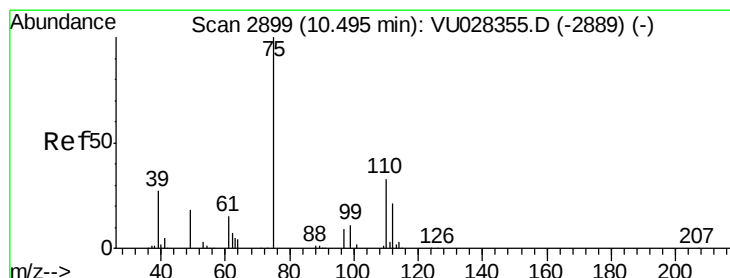
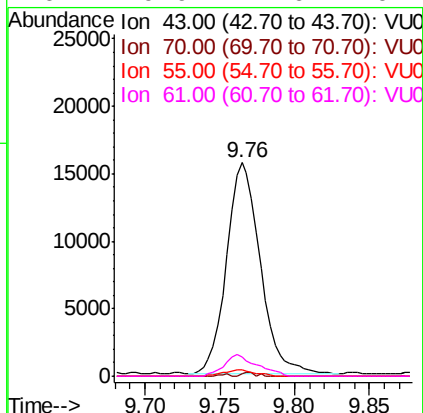
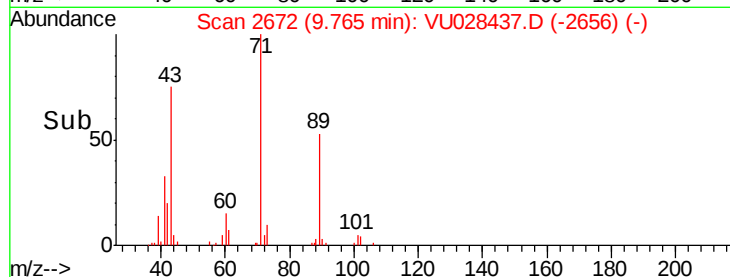
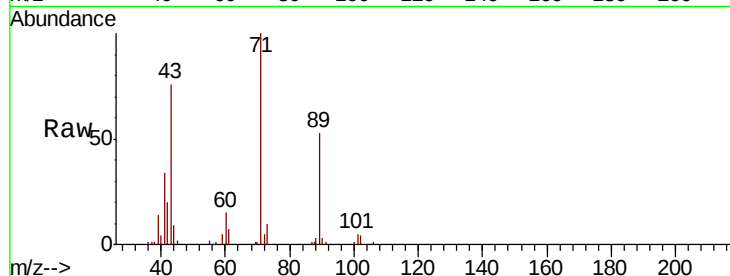
Ion Ratio Lower Upper

43 100

70 0.8 28.4 42.6#

55 2.9 18.0 27.0#

61 9.9 17.6 26.4#



#76

1,2,3-Trichloropropane

Concen: 20.202 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU028437.D

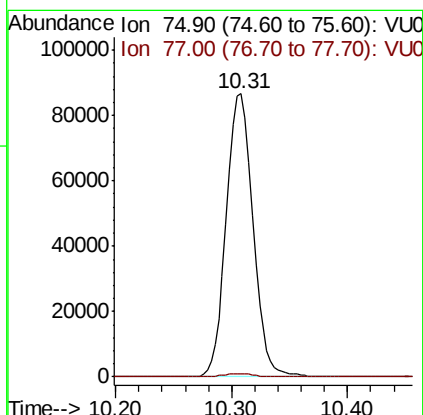
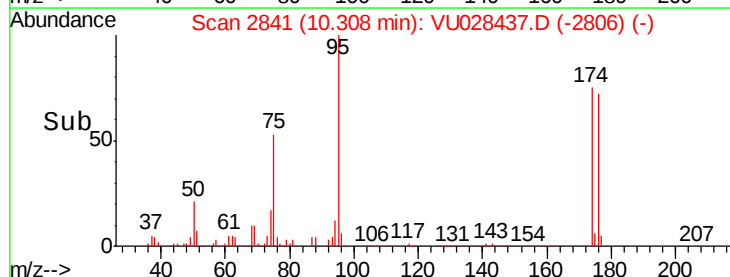
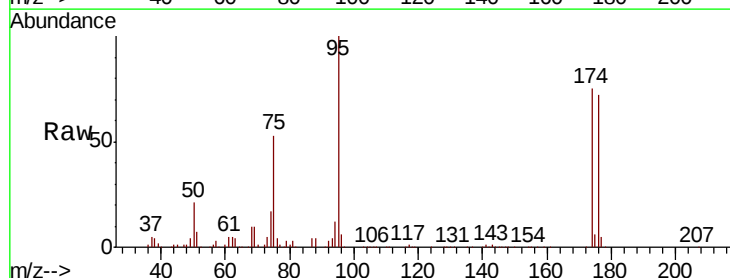
Acq: 03 Dec 2018 13:36

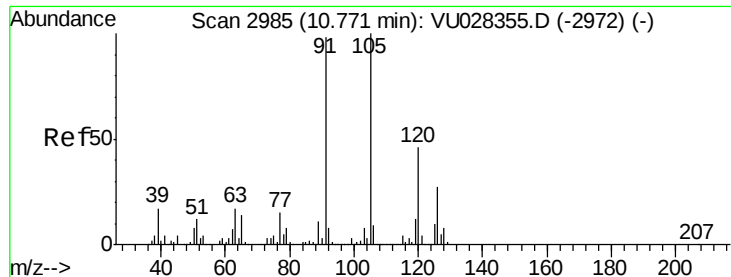
Tgt Ion: 75 Resp: 138587

Ion Ratio Lower Upper

75 100

77 1.2 22.4 67.0#

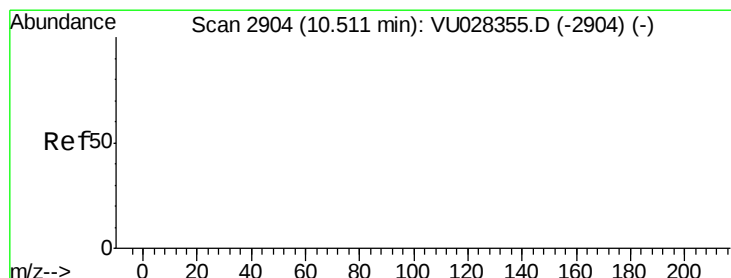
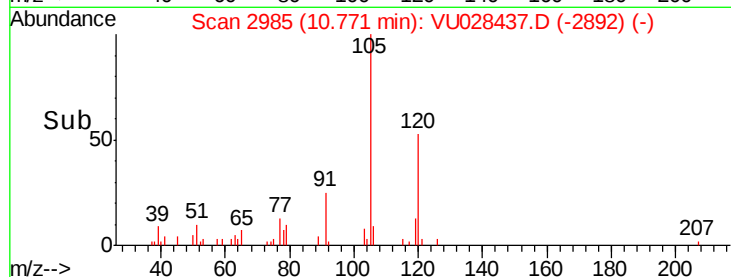
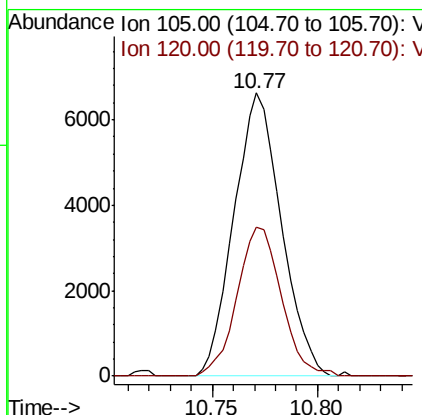
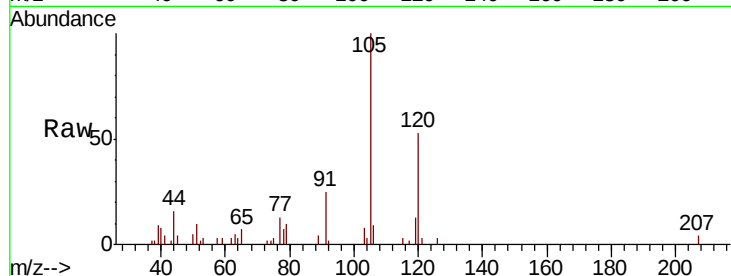




#80
 1,3,5-Trimethylbenzene
 Concen: 0.637 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028437.D
 Acq: 03 Dec 2018 13:36

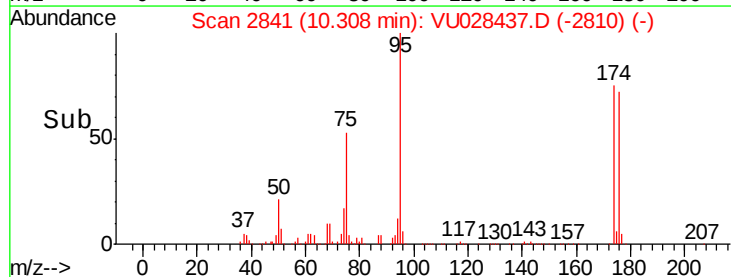
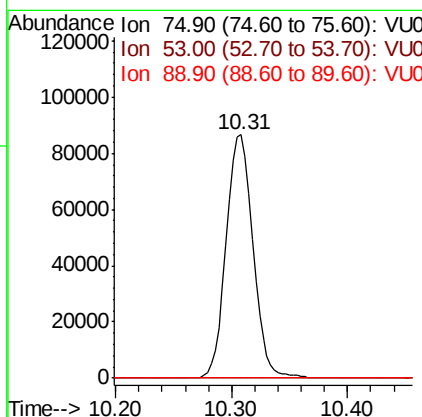
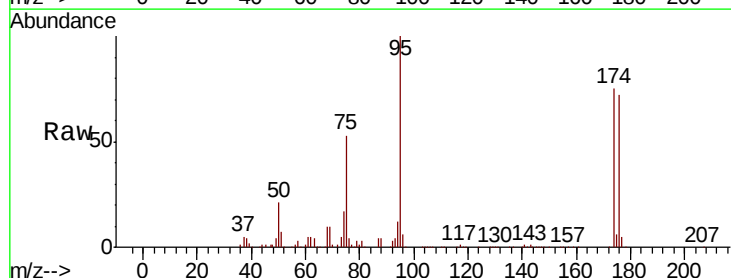
Instrument :
 MSVOA_U
 ClientSampleId :
 PB115231ZHE#14

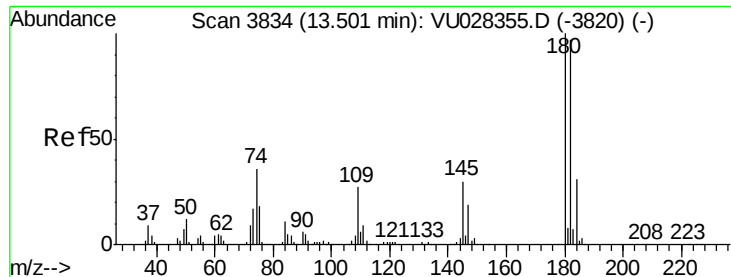
Tot Ion:105 Resp: 10334
 Ion Ratio Lower Upper
 105 100
 120 49.3 23.4 70.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.625 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.20 min
 Lab File: VU028437.D
 Acq: 03 Dec 2018 13:36

Tgt Ion: 75 Resp: 138587
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0#

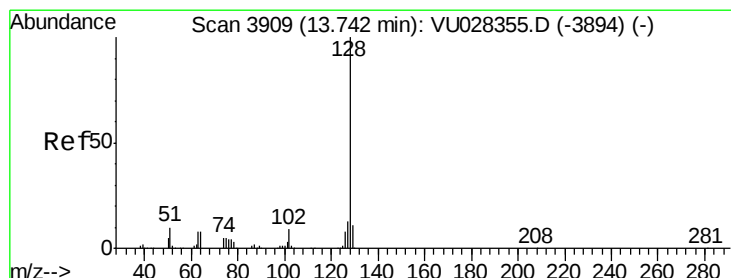
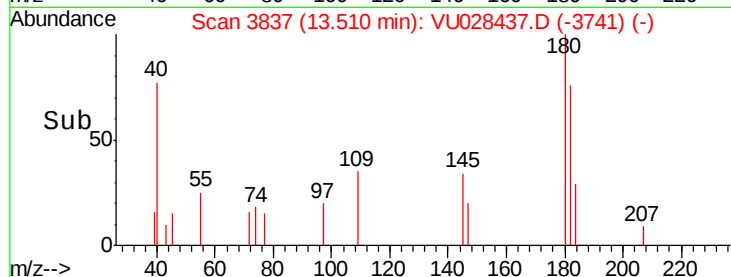
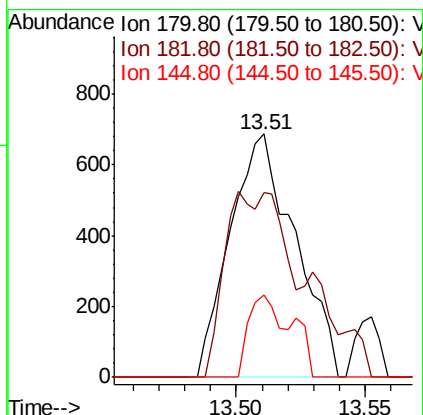
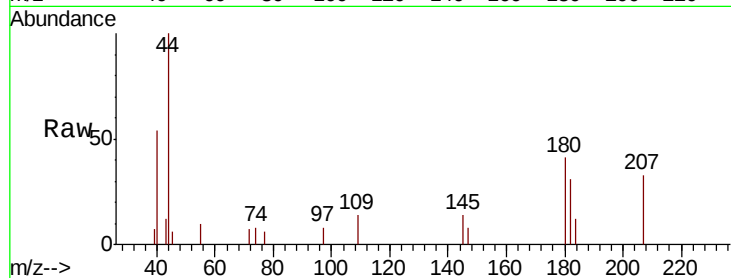




#93
 1,2,4-Trichlorobenzene
 Concen: 0.224 ug/l
 RT: 13.51 min Scan# 3837
 Delta R.T. 0.01 min
 Lab File: VU028437.D
 Acq: 03 Dec 2018 13:36

Instrument :
 MSVOA_U
 ClientSampleId :
 PB115231ZHE#14

Tot Ion	Ratio	Lower	Upper
180	100		
182	37.9	48.3	144.9#
145	22.0	15.2	45.5



#95
 Naphthalene
 Concen: 2.979 ug/l
 RT: 13.75 min Scan# 3913
 Delta R.T. 0.01 min
 Lab File: VU028437.D
 Acq: 03 Dec 2018 13:36

Tgt Ion	Ratio	Lower	Upper
128	100		
127	5.4	10.6	15.8#
129	3.1	8.6	12.8#

