

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120318\
 Data File : VU028438.D
 Acq On : 03 Dec 2018 13:59
 Operator : MD/SY
 Sample : PB115231ZHE#15
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB115231ZHE#15

Quant Time: Dec 04 06:55:13 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	297010	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	559133	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	516706	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	232023	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	248527	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
35) Dibromofluoromethane	4.88	113	181716	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
50) Toluene-d8	7.57	98	726822	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
62) 4-Bromofluorobenzene	10.30	95	257803	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	

Target Compounds

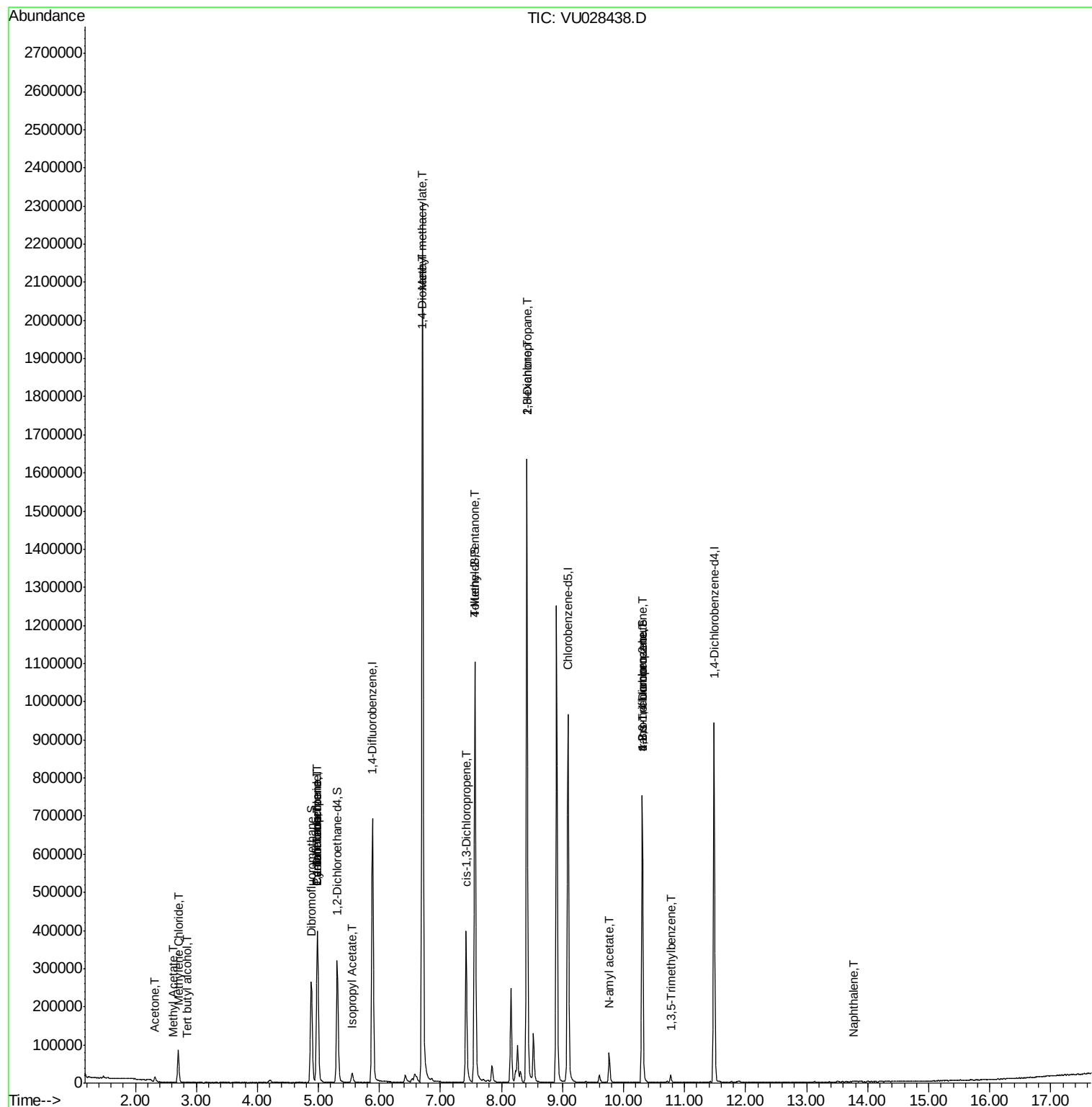
					Qvalue
11) Tert butyl alcohol	2.83	59	489	0.434 ug/l #	72
16) Acetone	2.32	43	15142	4.987 ug/l	97
18) Methyl Acetate	2.62	43	2433	0.288 ug/l #	82
20) Methylene Chloride	2.70	84	34917	8.091 ug/l	96
31) Cyclohexane	4.99	56	7376	0.511 ug/l #	1
36) 1,1-Dichloropropene	4.98	75	25077	4.099 ug/l #	51
38) Carbon Tetrachloride	4.98	117	29415	5.854 ug/l #	16
43) Isopropyl Acetate	5.55	43	32332	2.447 ug/l	98
48) Methyl methacrylate	6.70	41	198429	28.830 ug/l #	47
49) 1,4-Dioxane	6.69	88	45	0.409 ug/l #	15
51) 4-Methyl-2-Pentanone	7.56	43	17924	2.124 ug/l	95
54) cis-1,3-Dichloropropene	7.42	75	68047	8.761 ug/l #	56
57) 1,3-Dichloropropane	8.41	76	16365	2.055 ug/l #	43
59) 2-Hexanone	8.41	43	242330	37.071 ug/l #	53
74) N-amyl acetate	9.76	43	26323	2.328 ug/l #	56
76) 1,2,3-Trichloropropane	10.30	75	133247	20.709 ug/l #	33
80) 1,3,5-Trimethylbenzene	10.77	105	10079	0.663 ug/l	97
81) trans-1,4-Dichloro-2-buten	10.30	75	133247	54.972 ug/l #	100
95) Naphthalene	13.76	128	2168	2.940 ug/l #	69

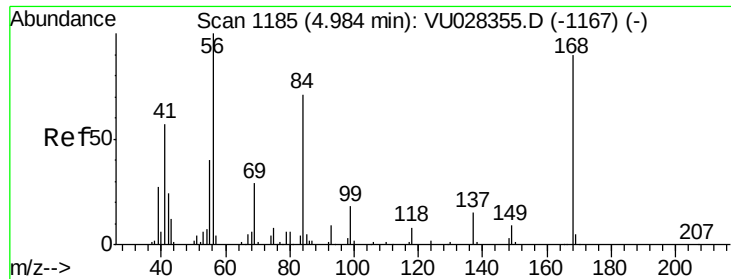
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU028438.D

Acq: 03 Dec 2018 13:59

Instrument :

MSVOA_U

ClientSampleId :

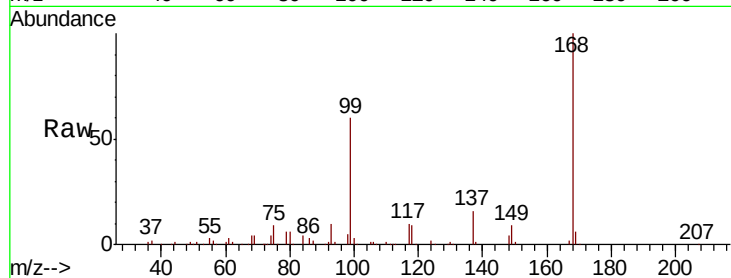
PB115231ZHE#15

Tot Ion:168 Resp: 297010

Ion Ratio Lower Upper

168 100

99 59.5 49.6 74.4



Abundance Ion 167.90 (167.60 to 168.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

4.98

150000

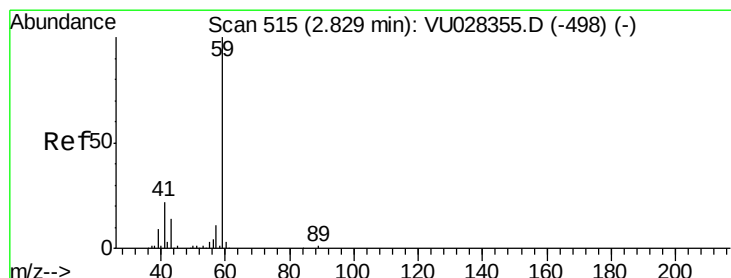
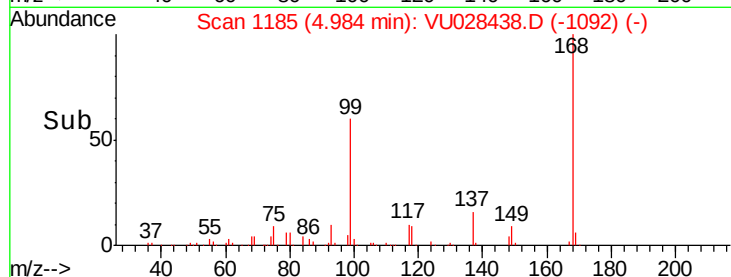
100000

50000

0

4.90 4.95 5.00 5.05

Time-->



#11

Tert butyl alcohol

Concen: 0.434 ug/l

RT: 2.83 min Scan# 516

Delta R.T. 0.00 min

Lab File: VU028438.D

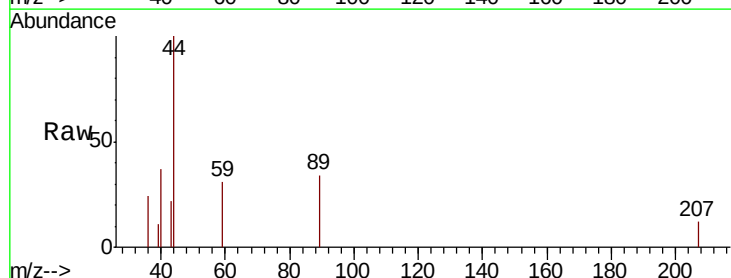
Acq: 03 Dec 2018 13:59

Tgt Ion: 59 Resp: 489

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

300

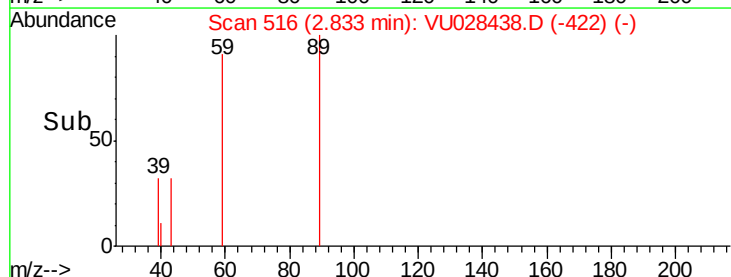
200

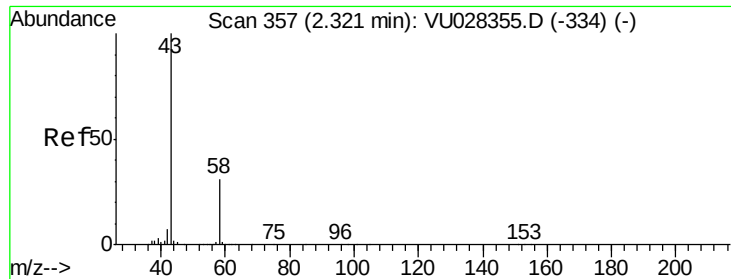
100

0

2.80 2.82 2.84 2.86

Time-->





#16

Acetone

Concen: 4.987 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU028438.D

Acq: 03 Dec 2018 13:59

Instrument :

MSVOA_U

ClientSampleId :

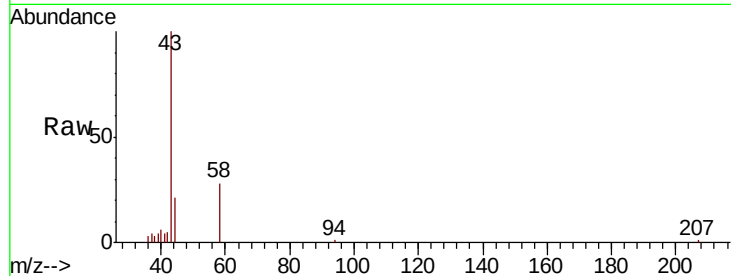
PB115231ZHE#15

Tot Ion: 43 Resp: 15142

Ion Ratio Lower Upper

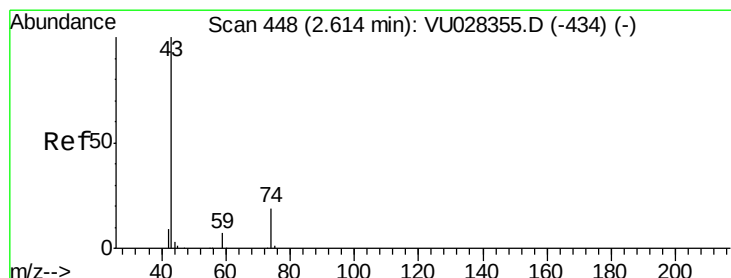
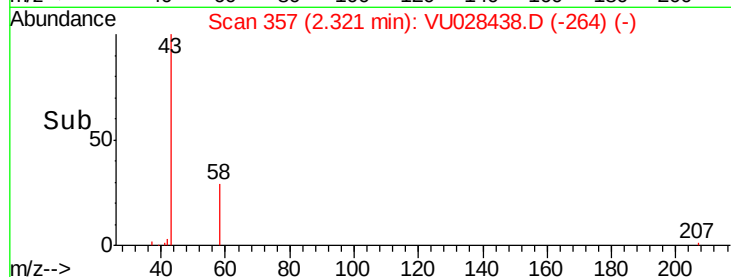
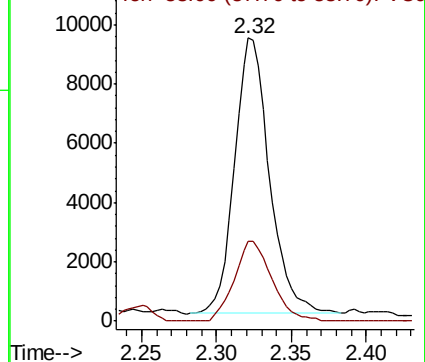
43 100

58 28.9 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#18

Methyl Acetate

Concen: 0.288 ug/l

RT: 2.62 min Scan# 451

Delta R.T. 0.01 min

Lab File: VU028438.D

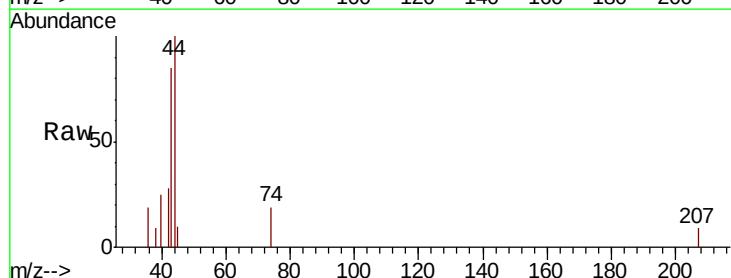
Acq: 03 Dec 2018 13:59

Tgt Ion: 43 Resp: 2433

Ion Ratio Lower Upper

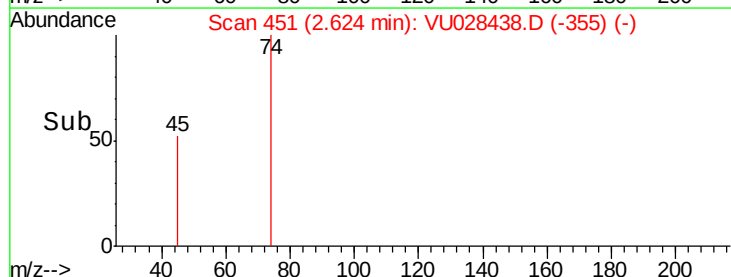
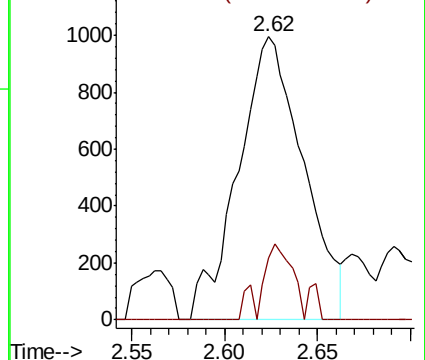
43 100

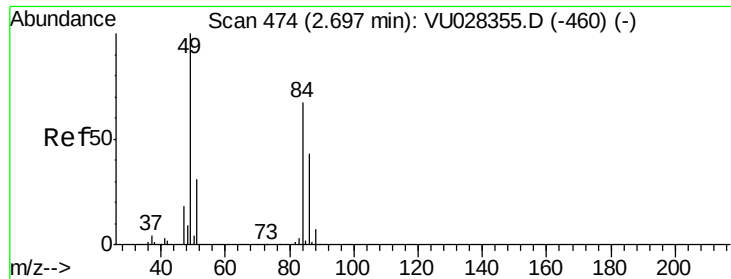
74 10.9 15.3 22.9#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

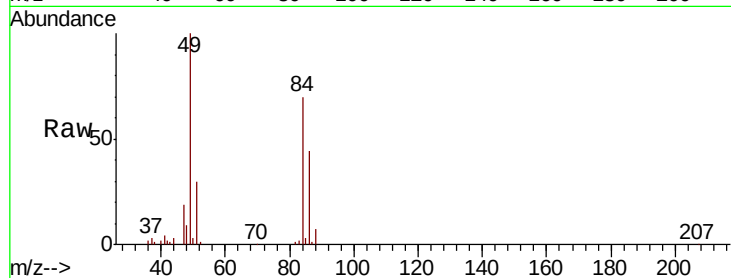




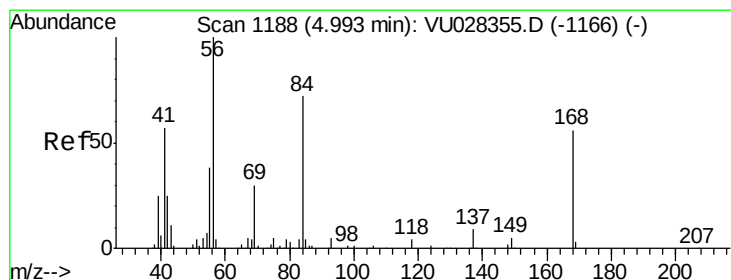
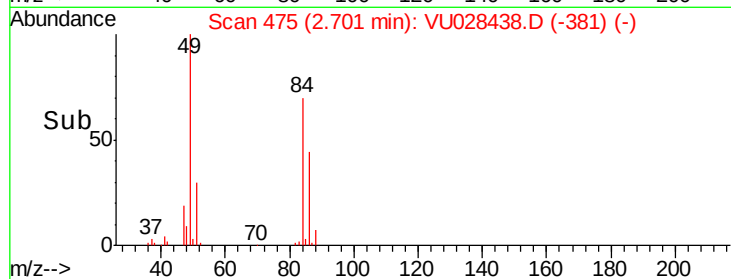
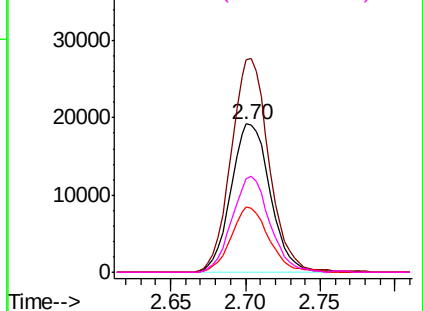
#20
Methylene Chloride
Concen: 8.091 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028438.D
Acq: 03 Dec 2018 13:59

Instrument :
MSVOA_U
ClientSampleId :
PB115231ZHE#15

Tot Ion:	84	Resp:	34917
Ion	Ratio	Lower	Upper
84	100		
49	143.5	120.0	180.0
51	43.6	36.9	55.3
86	62.7	51.1	76.7

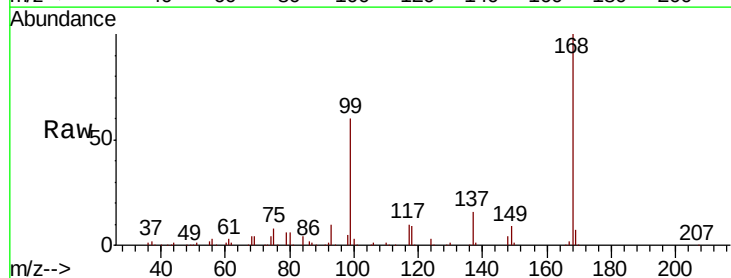


Abundance Ion 83.90 (83.60 to 84.60): VU0
Ion 48.90 (48.60 to 49.60): VU0
Ion 50.90 (50.60 to 51.60): VU0
Ion 85.90 (85.60 to 86.60): VU0

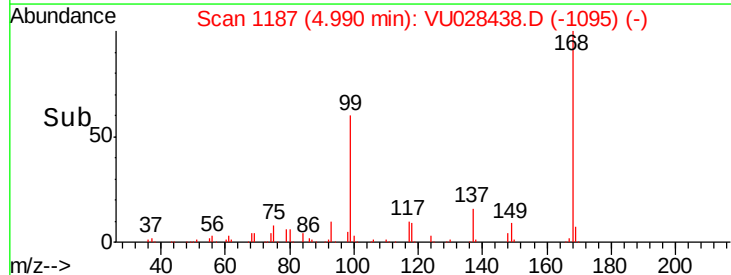
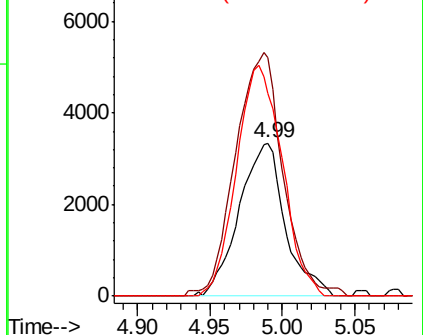


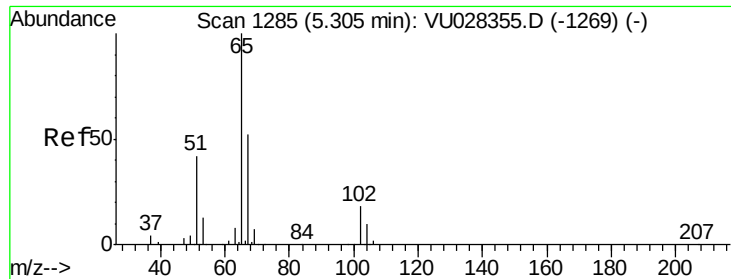
#31
Cyclohexane
Concen: 0.511 ug/l
RT: 4.99 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU028438.D
Acq: 03 Dec 2018 13:59

Tgt Ion:	56	Resp:	7376
Ion	Ratio	Lower	Upper
56	100		
69	152.4	23.7	35.5#
84	132.1	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

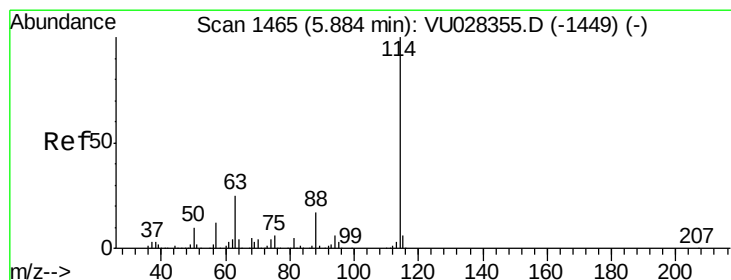
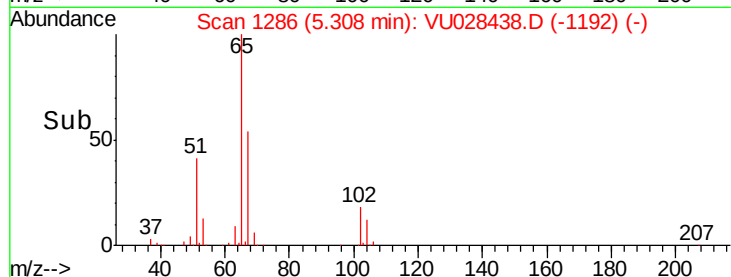
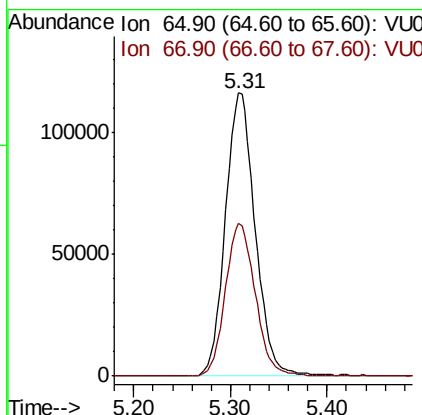
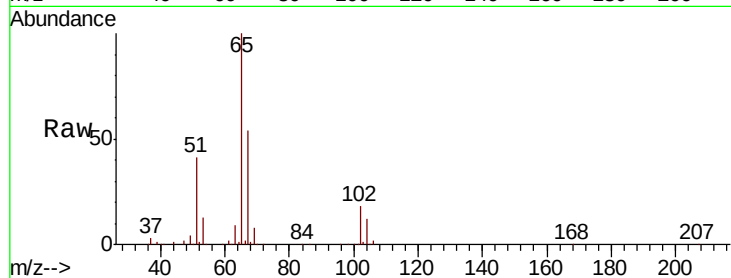




#33
 1,2-Dichloroethane-d4
 Concen: 50.068 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028438.D
 Acq: 03 Dec 2018 13:59

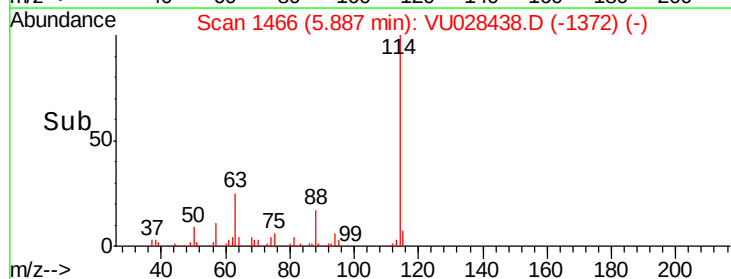
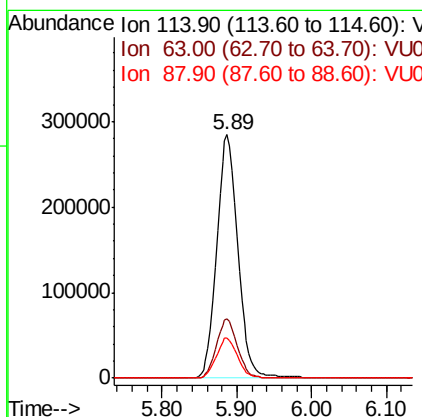
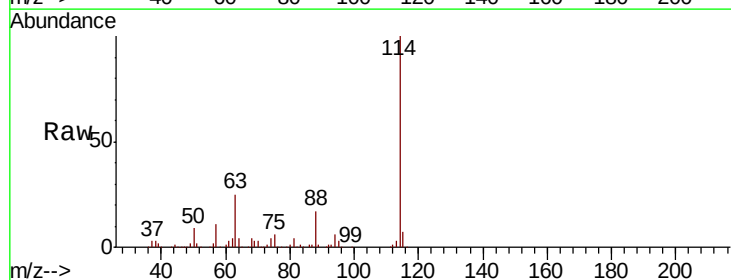
Instrument :
 MSVOA_U
 ClientSampleId :
 PB115231ZHE#15

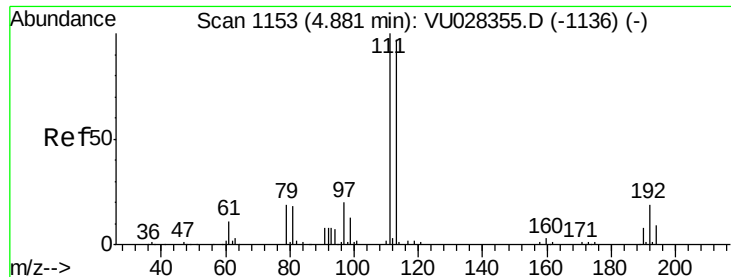
Tot Ion: 65 Resp: 248527
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028438.D
 Acq: 03 Dec 2018 13:59

Tgt Ion: 114 Resp: 559133
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 50.0
 88 16.5 0.0 34.4

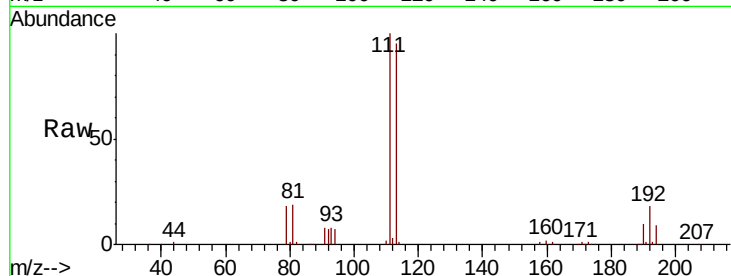




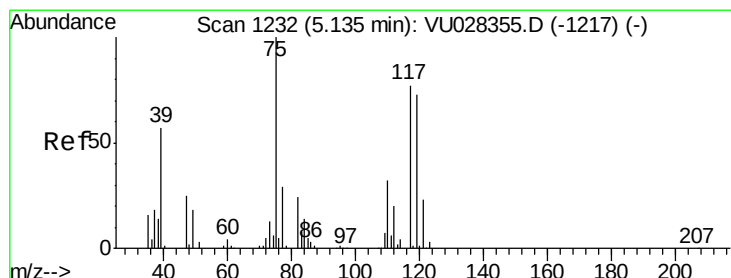
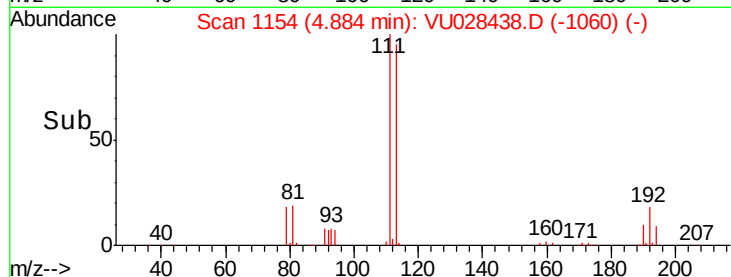
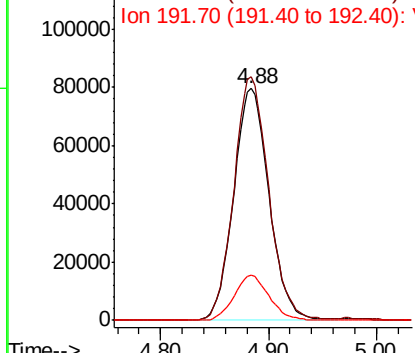
#35
 Dibromofluoromethane
 Concen: 48.874 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU028438.D
 Acq: 03 Dec 2018 13:59

Instrument :
 MSVOA_U
 ClientSampleId :
 PB115231ZHE#15

Tot Ion:113 Resp: 181716
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.9 124.3
 192 19.3 15.4 23.0

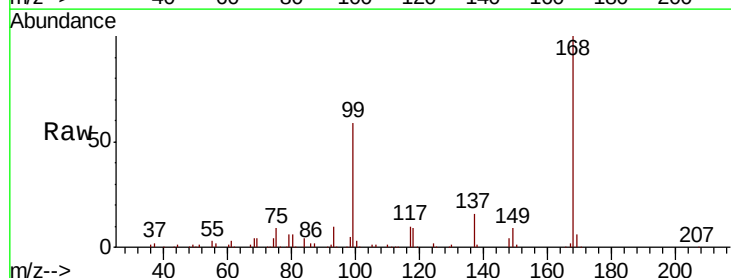


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

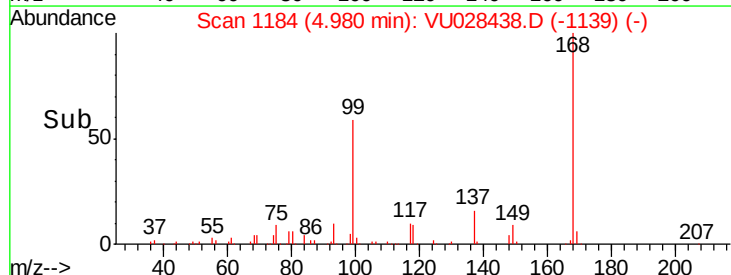
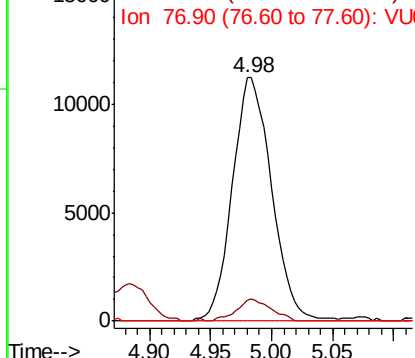


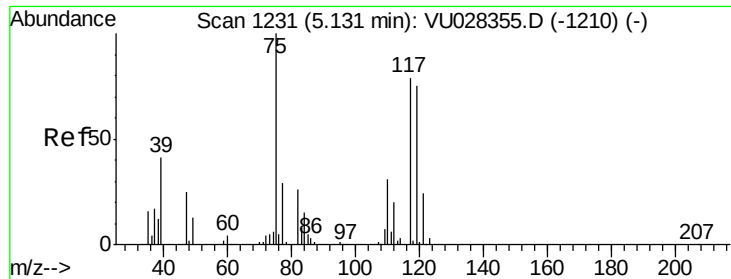
#36
 1,1-Dichloropropene
 Concen: 4.099 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.15 min
 Lab File: VU028438.D
 Acq: 03 Dec 2018 13:59

Tgt Ion: 75 Resp: 25077
 Ion Ratio Lower Upper
 75 100
 110 7.9 15.8 47.4#
 77 0.0 24.6 36.8#



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: 5.854 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028438.D

Acq: 03 Dec 2018 13:59

Instrument :

MSVOA_U

ClientSampleId :

PB115231ZHE#15

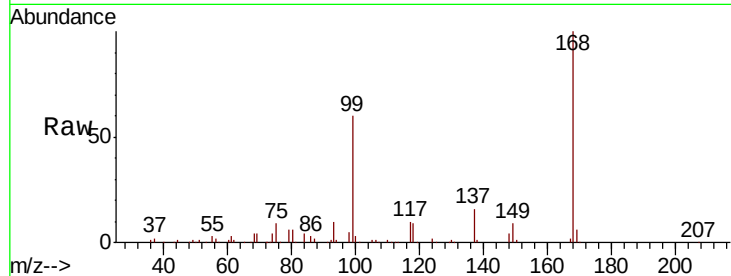
Tot Ion:117 Resp: 29415

Ion Ratio Lower Upper

117 100

119 4.5 76.3 114.5#

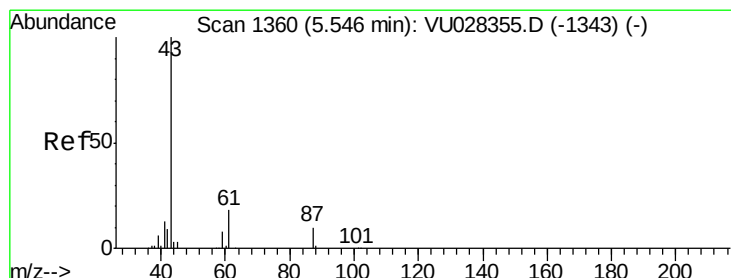
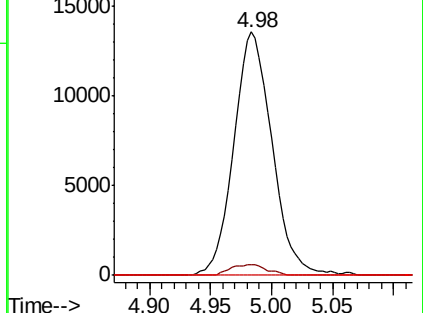
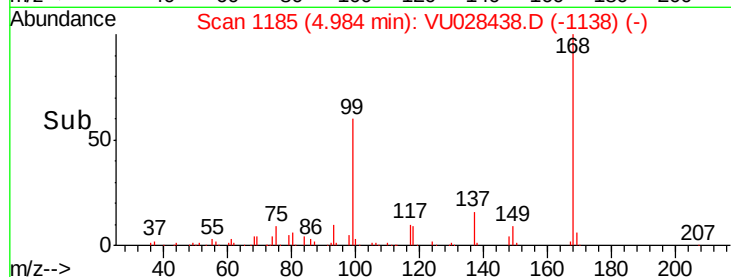
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 2.447 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.01 min

Lab File: VU028438.D

Acq: 03 Dec 2018 13:59

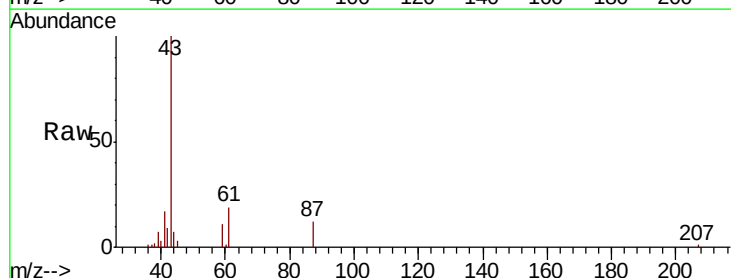
Tgt Ion: 43 Resp: 32332

Ion Ratio Lower Upper

43 100

61 19.7 14.5 21.7

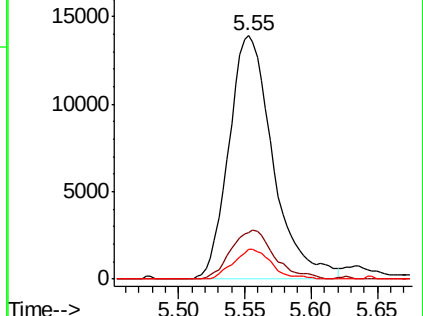
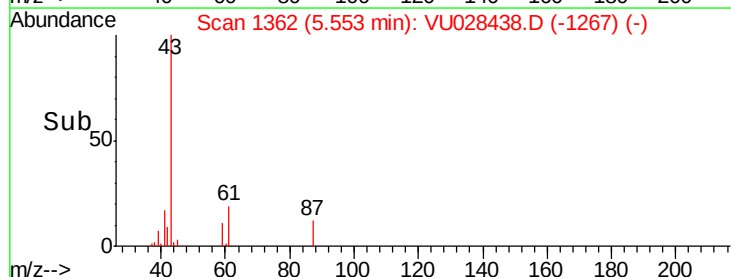
87 10.6 8.4 12.6

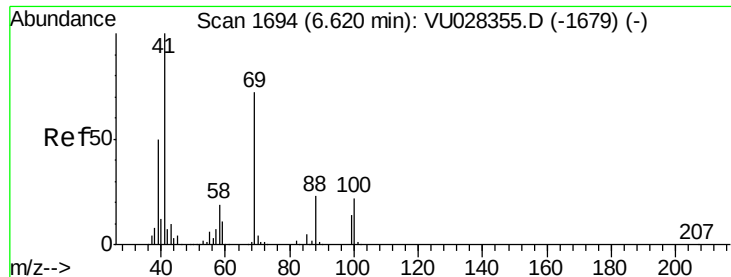


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

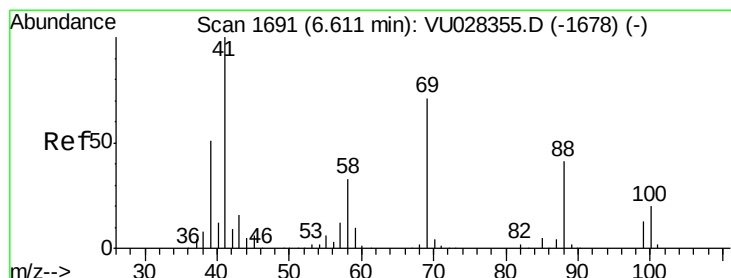
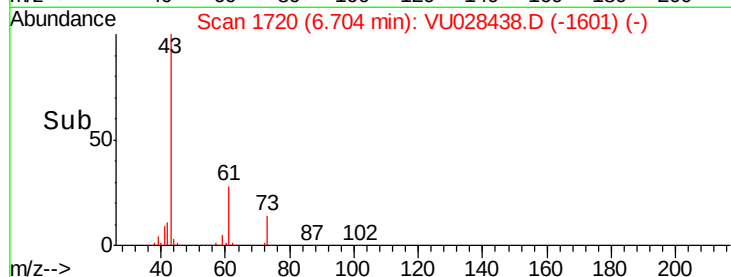
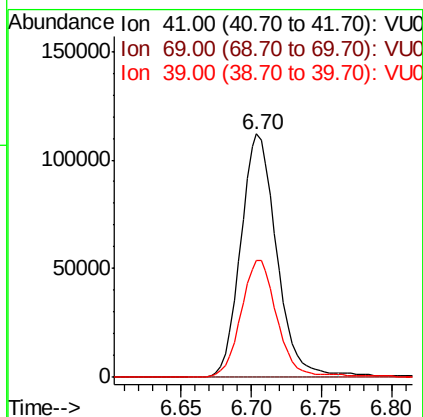
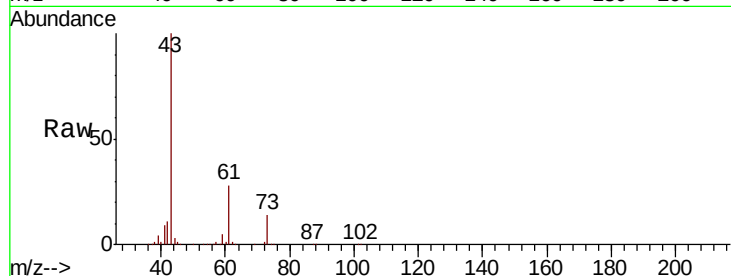




#48
Methvl methacrylate
Concen: 28.830 ug/l
RT: 6.70 min Scan# 1720
Delta R.T. 0.08 min
Lab File: VU028438.D
Acq: 03 Dec 2018 13:59

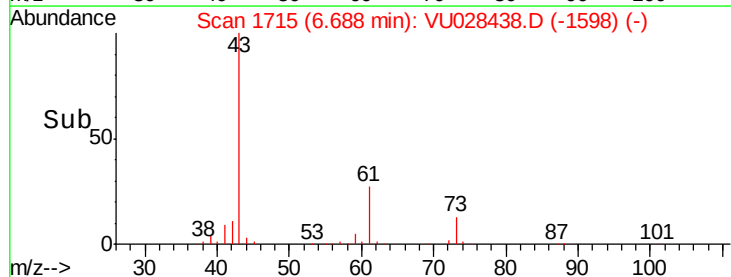
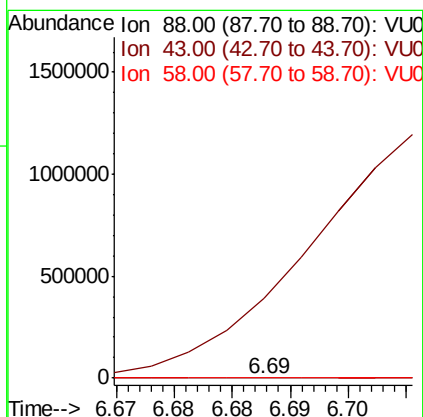
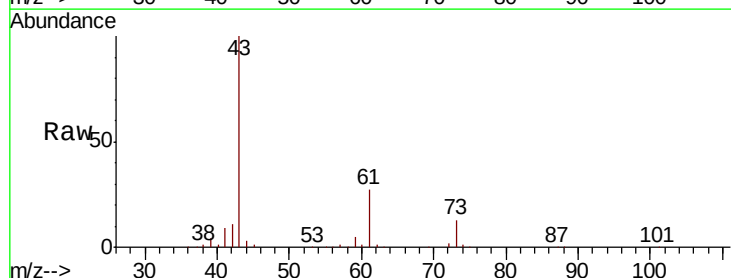
Instrument :
MSVOA_U
ClientSampleId :
PB115231ZHE#15

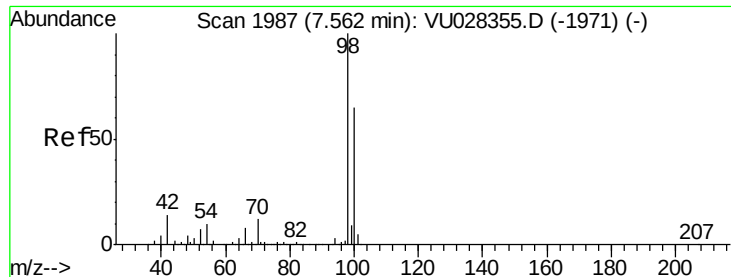
Tot Ion: 41 Resp: 198429
Ion Ratio Lower Upper
41 100
69 0.2 59.0 88.4#
39 48.9 40.5 60.7



#49
1,4-Dioxane
Concen: 0.409 ug/l
RT: 6.69 min Scan# 1715
Delta R.T. 0.08 min
Lab File: VU028438.D
Acq: 03 Dec 2018 13:59

Tgt Ion: 88 Resp: 45
Ion Ratio Lower Upper
88 100
43 0.0 32.6 48.8#
58 0.0 68.7 103.1#

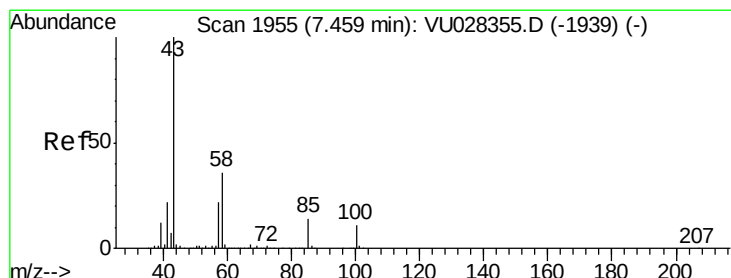
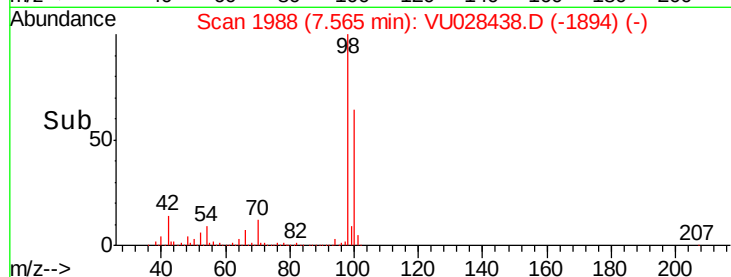
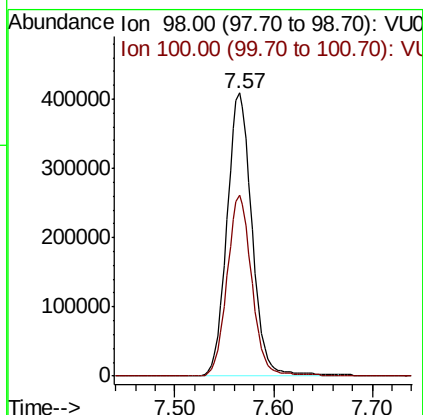
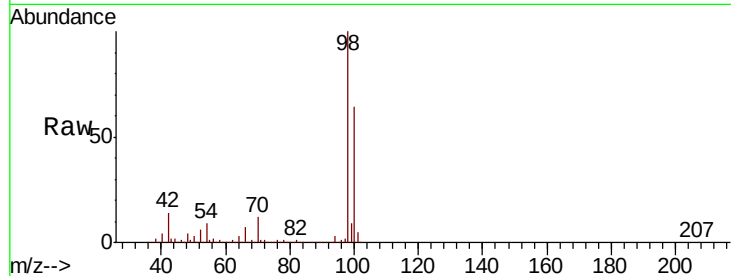




#50
Toluene-d8
Concen: 48.880 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028438.D
Acq: 03 Dec 2018 13:59

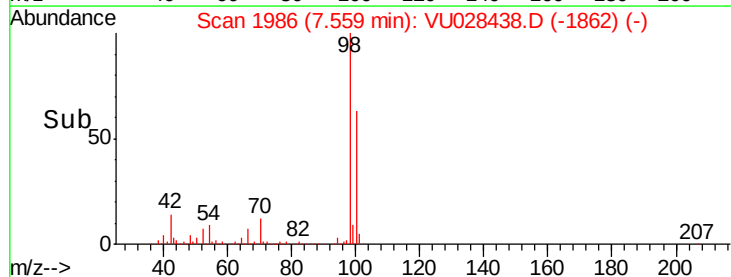
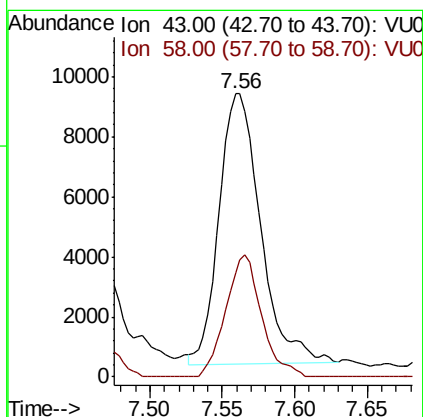
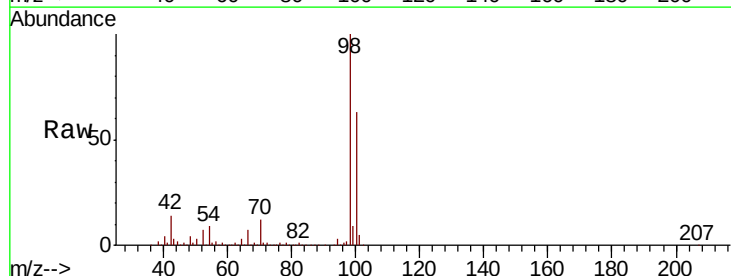
Instrument :
MSVOA_U
ClientSampleId :
PB115231ZHE#15

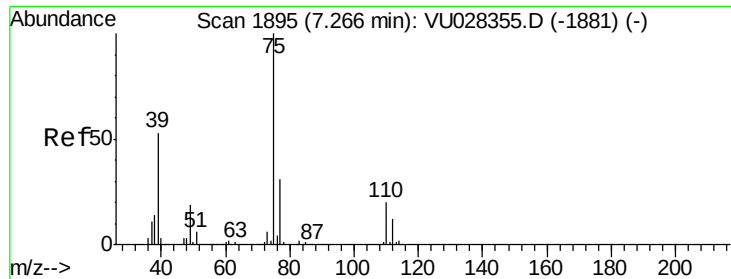
Tot Ion: 98 Resp: 726822
Ion Ratio Lower Upper
98 100
100 63.6 50.8 76.2



#51
4-Methyl-2-Pentanone
Concen: 2.124 ug/l
RT: 7.56 min Scan# 1986
Delta R.T. 0.10 min
Lab File: VU028438.D
Acq: 03 Dec 2018 13:59

Tgt Ion: 43 Resp: 17924
Ion Ratio Lower Upper
43 100
58 38.9 28.8 43.2



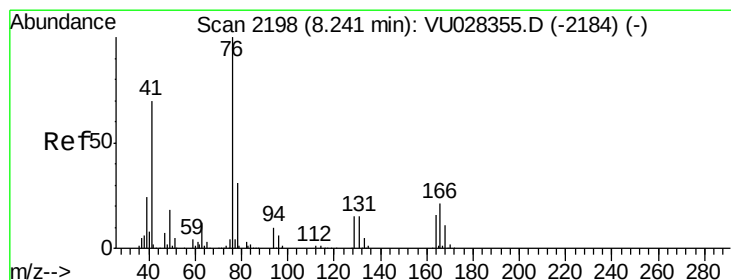
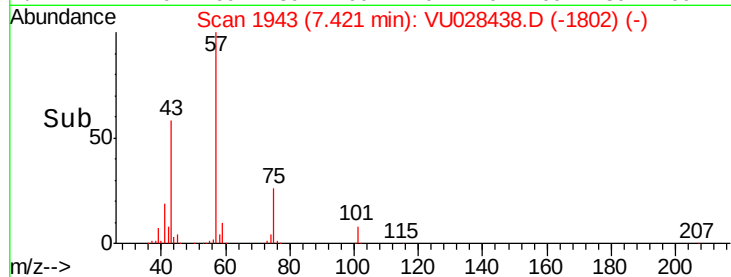
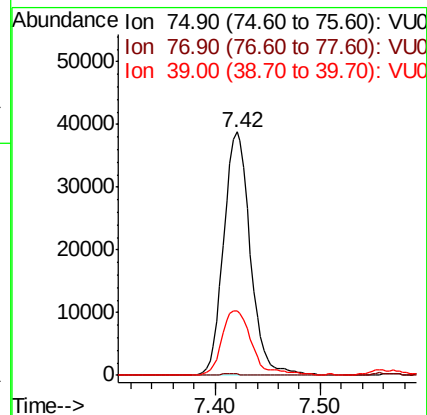
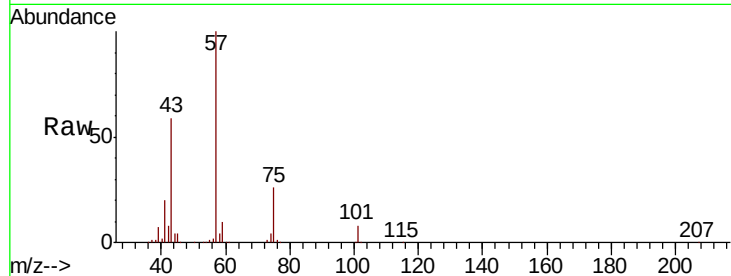


#54

cis-1,3-Dichloropropene
 Concen: 8.761 ug/l
 RT: 7.42 min Scan# 1943
 Delta R.T. 0.15 min
 Lab File: VU028438.D
 Acq: 03 Dec 2018 13:59

Instrument :
 MSVOA_U
 ClientSampleId :
 PB115231ZHE#15

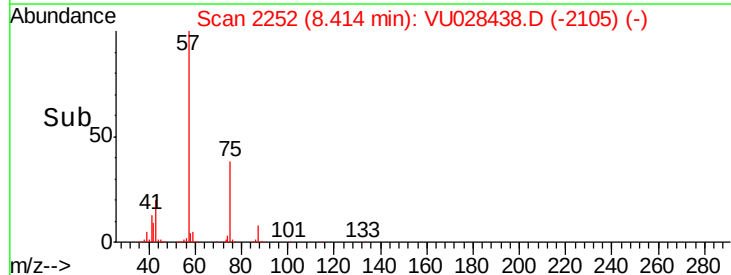
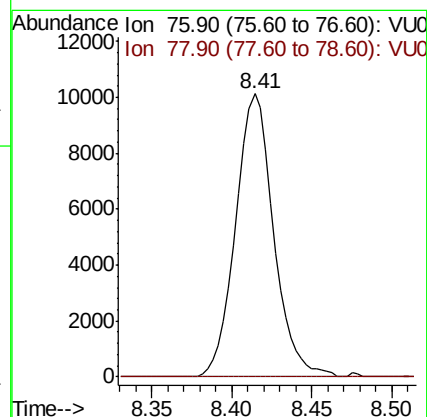
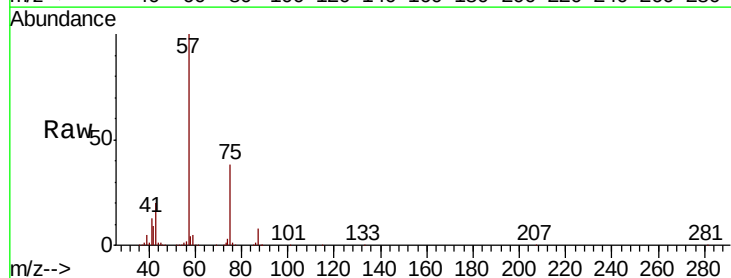
Tot Ion	75	Resp	68047
Ion Ratio	100	Lower	Upper
77	0.5	24.9	37.3#
39	26.3	42.6	64.0#

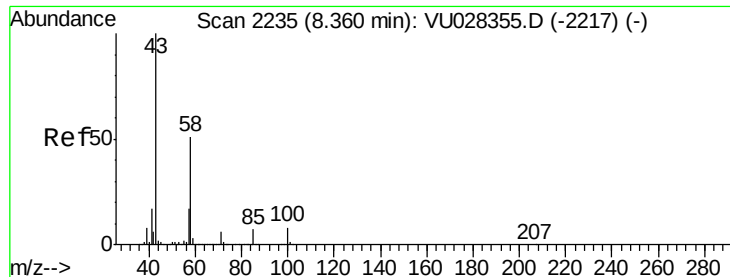


#57

1,3-Dichloropropane
 Concen: 2.055 ug/l
 RT: 8.41 min Scan# 2252
 Delta R.T. 0.17 min
 Lab File: VU028438.D
 Acq: 03 Dec 2018 13:59

Tgt Ion	76	Resp	16365
Ion Ratio	100	Lower	Upper
78	0.0	25.4	38.0#

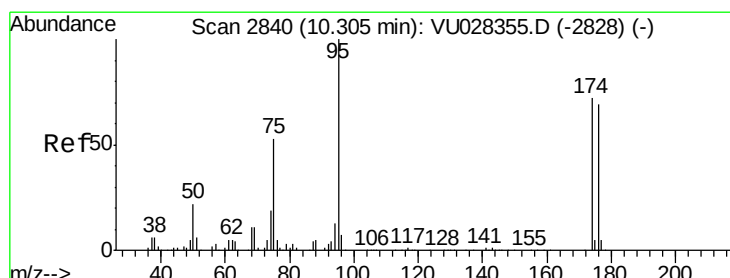
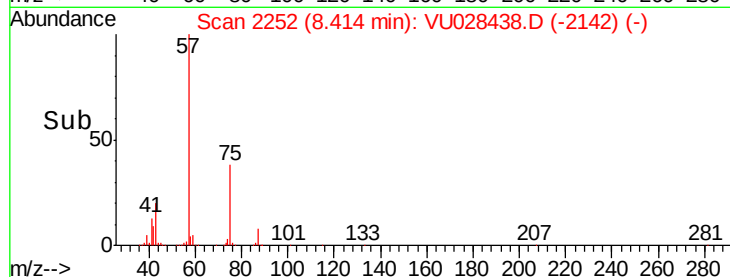
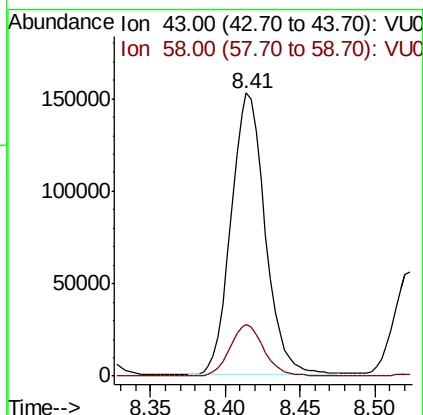
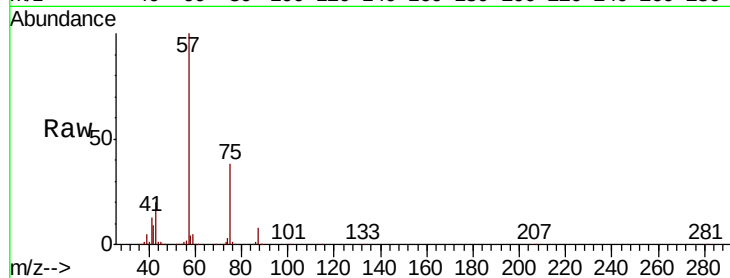




#59
2-Hexanone
Concen: 37.071 ug/l
RT: 8.41 min Scan# 2252
Delta R.T. 0.05 min
Lab File: VU028438.D
Acq: 03 Dec 2018 13:59

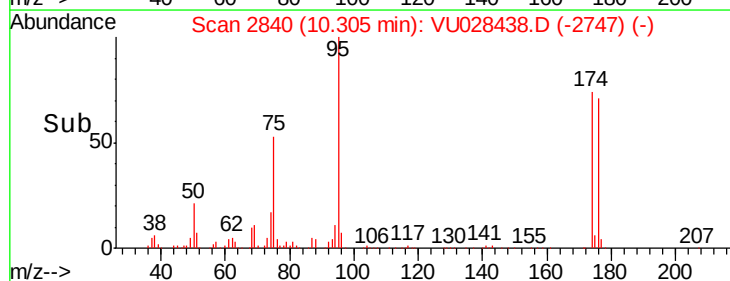
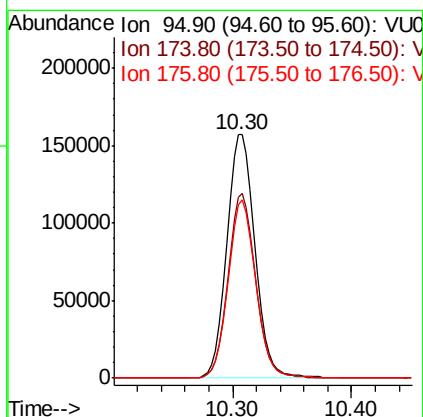
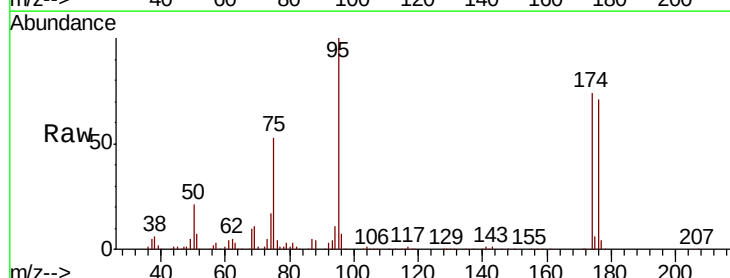
Instrument :
MSVOA_U
ClientSampleId :
PB115231ZHE#15

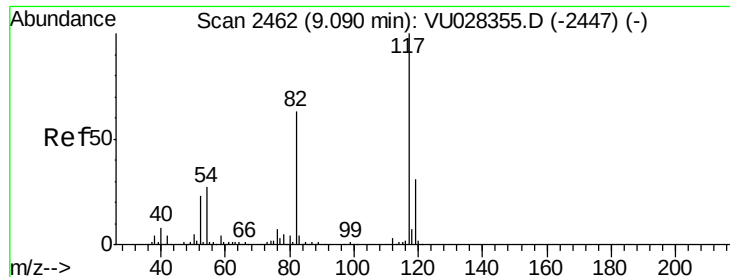
Tot Ion: 43 Resp: 242330
Ion Ratio Lower Upper
43 100
58 18.2 25.5 76.5#



#62
4-Bromofluorobenzene
Concen: 48.103 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VU028438.D
Acq: 03 Dec 2018 13:59

Tgt Ion: 95 Resp: 257803
Ion Ratio Lower Upper
95 100
174 74.2 0.0 145.4
176 71.9 0.0 140.8

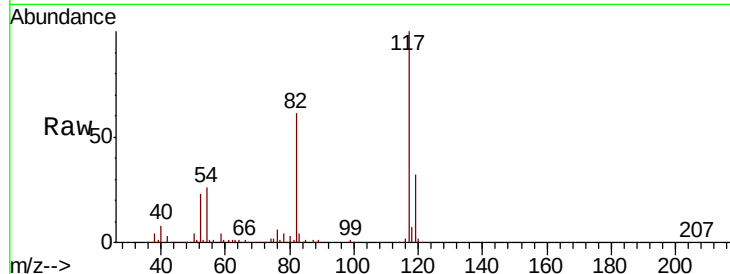




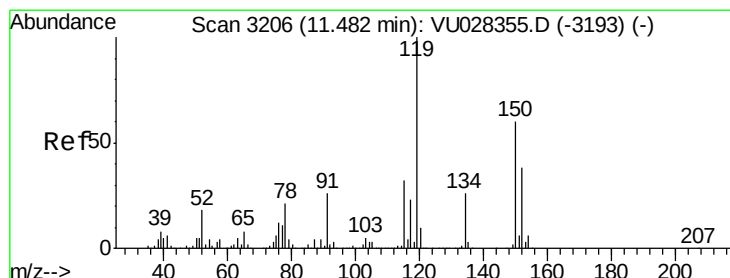
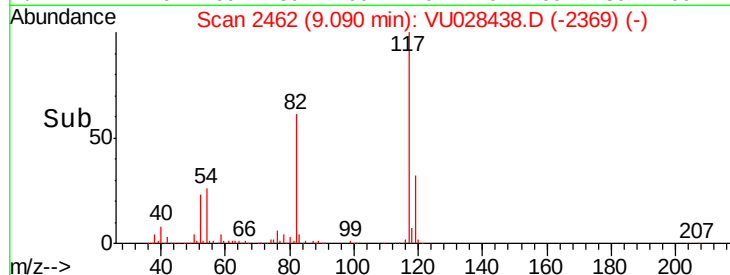
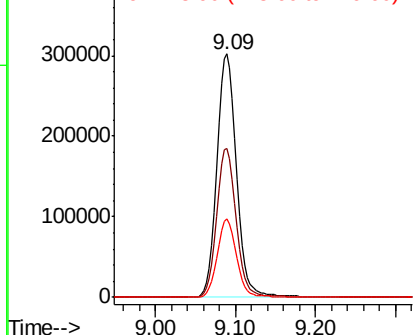
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028438.D
Acq: 03 Dec 2018 13:59

Instrument :
MSVOA_U
ClientSampleId :
PB115231ZHE#15

Tot Ion:117 Resp: 516706
Ion Ratio Lower Upper
117 100
82 61.3 50.3 75.5
119 32.0 24.8 37.2

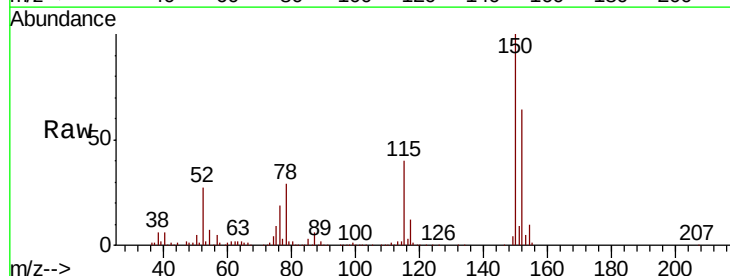


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

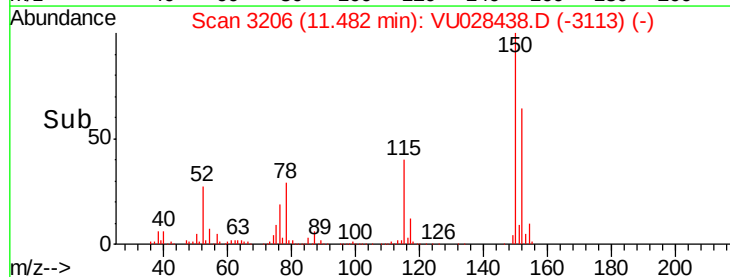
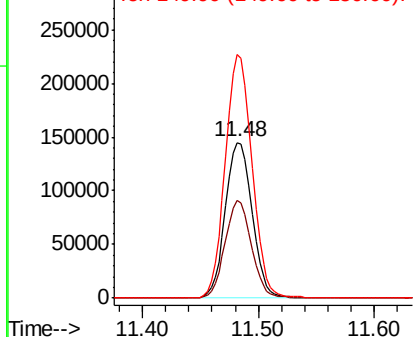


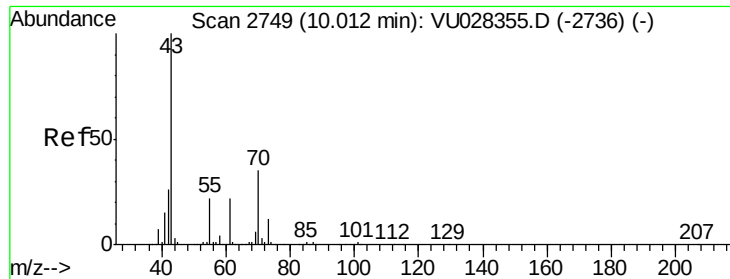
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU028438.D
Acq: 03 Dec 2018 13:59

Tgt Ion:152 Resp: 232023
Ion Ratio Lower Upper
152 100
115 61.4 45.0 134.8
150 155.9 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

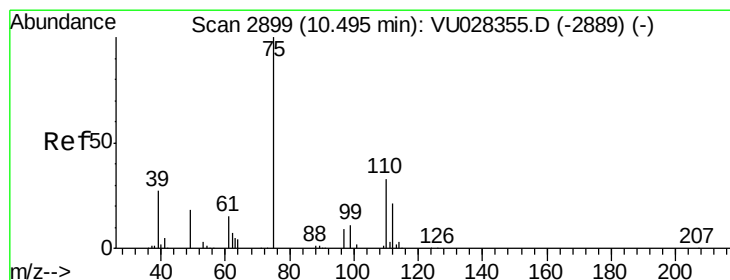
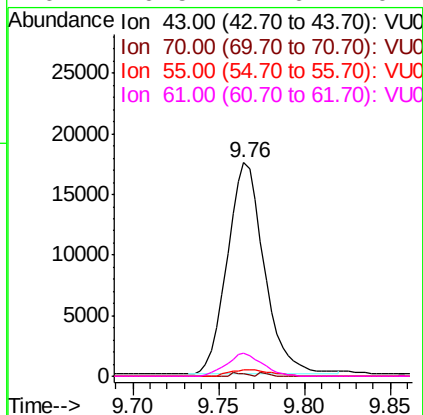
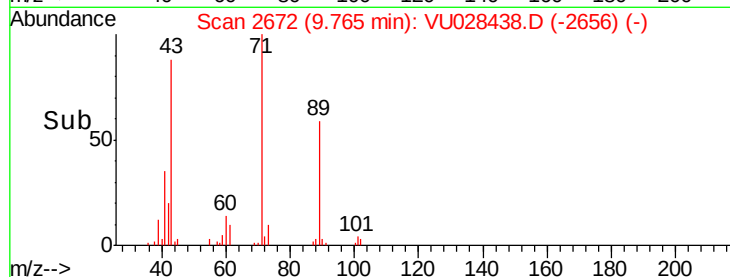
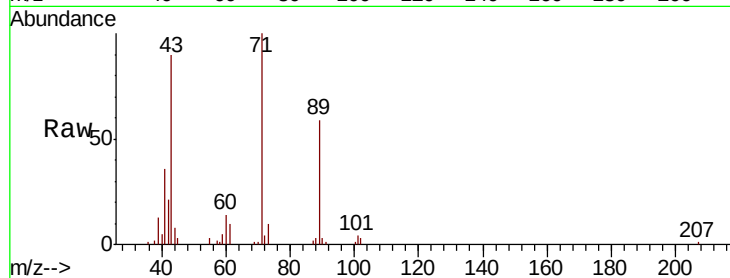




#74
N-amvl acetate
Concen: 2.328 ug/l
RT: 9.76 min Scan# 2672
Delta R.T. -0.25 min
Lab File: VU028438.D
Acq: 03 Dec 2018 13:59

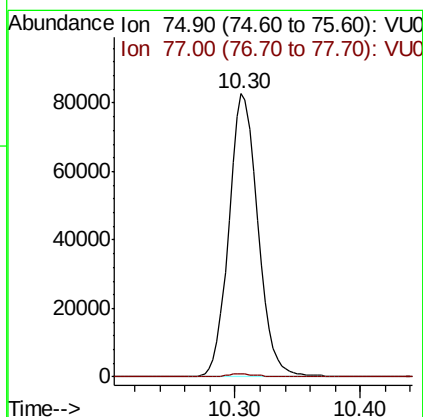
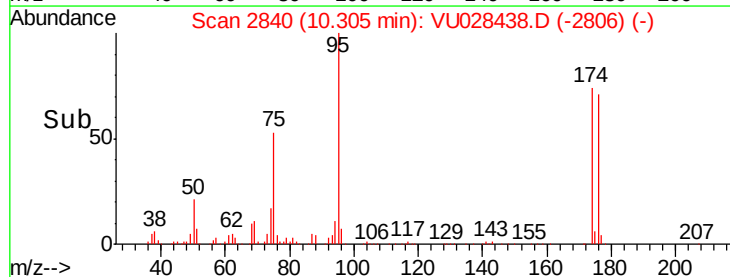
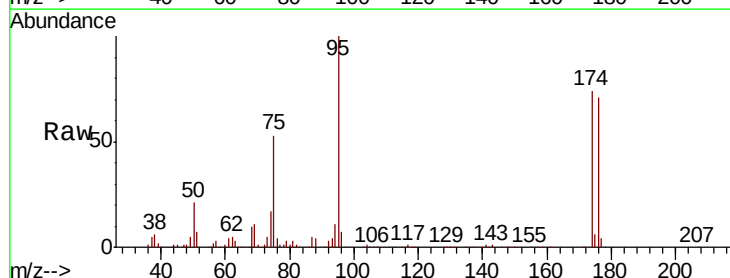
Instrument :
MSVOA_U
ClientSampleId :
PB115231ZHE#15

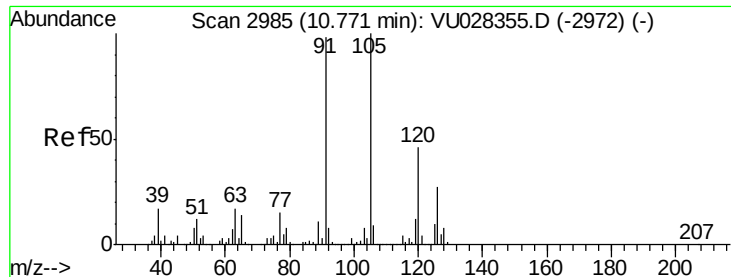
Tot Ion: 43 Resp: 26323
Ion Ratio Lower Upper
43 100
70 0.6 28.4 42.6#
55 3.5 18.0 27.0#
61 10.5 17.6 26.4#



#76
1,2,3-Trichloropropane
Concen: 20.709 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.19 min
Lab File: VU028438.D
Acq: 03 Dec 2018 13:59

Tgt Ion: 75 Resp: 133247
Ion Ratio Lower Upper
75 100
77 1.0 22.4 67.0#

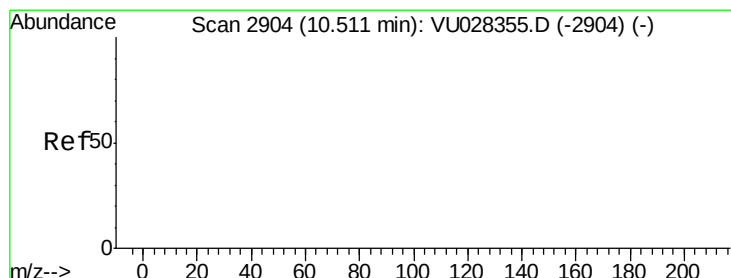
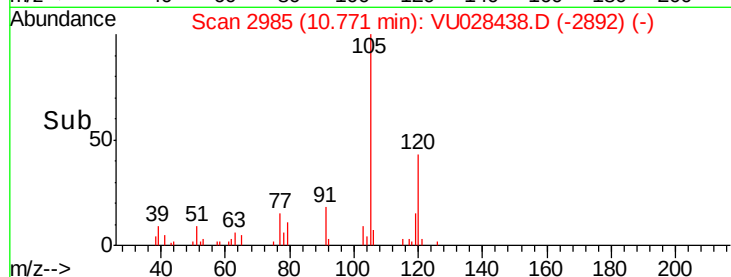
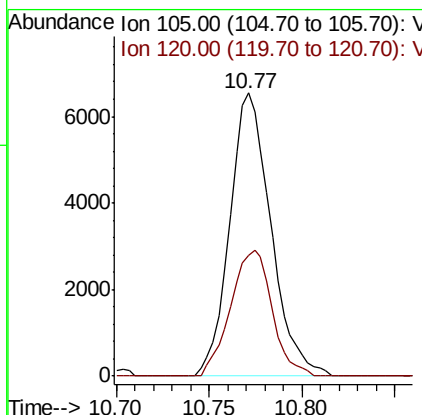
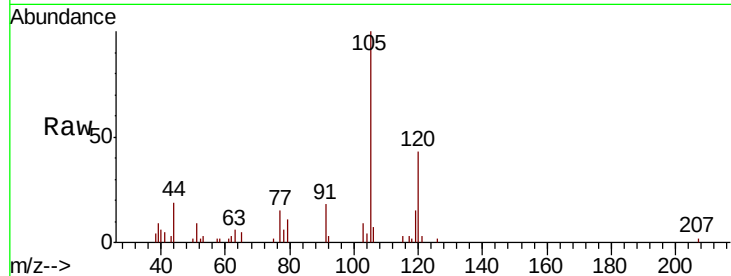




#80
 1,3,5-Trimethylbenzene
 Concen: 0.663 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. 0.00 min
 Lab File: VU028438.D
 Acq: 03 Dec 2018 13:59

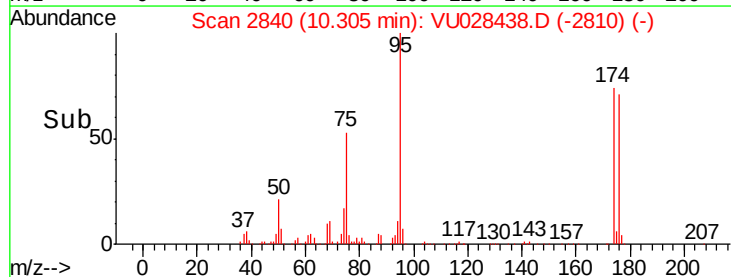
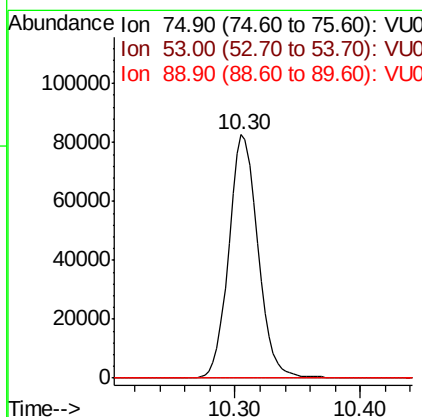
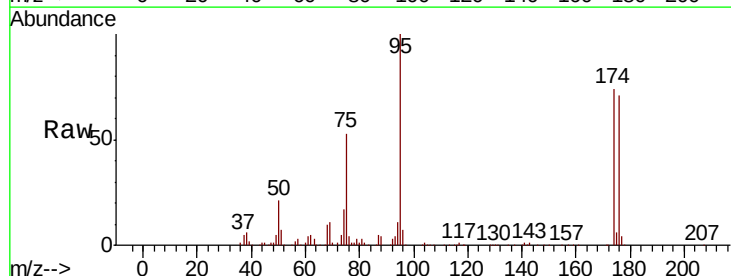
Instrument :
 MSVOA_U
 ClientSampleId :
 PB115231ZHE#15

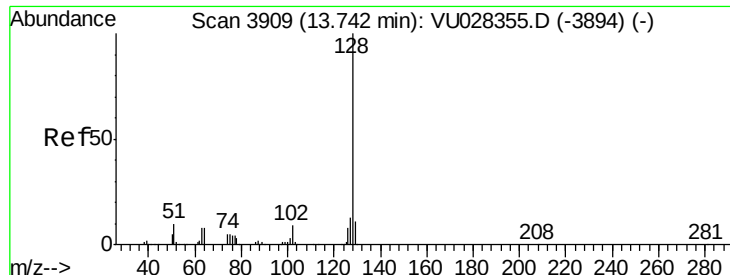
Tot Ion:105 Resp: 10079
 Ion Ratio Lower Upper
 105 100
 120 44.9 23.4 70.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.972 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.20 min
 Lab File: VU028438.D
 Acq: 03 Dec 2018 13:59

Tgt Ion: 75 Resp: 133247
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0#
 89 0.0 0.0 0.0





#95

Naphthalene

Concen: 2.940 ug/l

RT: 13.76 min Scan# 3916

Delta R.T. 0.02 min

Lab File: VU028438.D

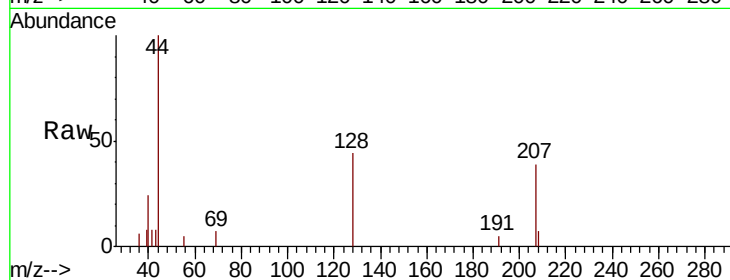
Acq: 03 Dec 2018 13:59

Instrument :

MSVOA_U

ClientSampleId :

PB115231ZHE#15



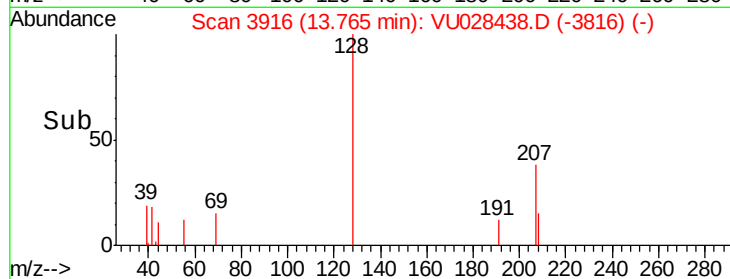
Tot Ion:128 Resp: 2168

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

