

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112918\
 Data File : VU028386.D
 Acq On : 29 Nov 2018 12:18
 Operator : MD/SY
 Sample : PB115150TB
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 30 07:01:15 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	4.99	168	253641	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	483747	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	459474	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	209772	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	224052	52.86	ug/l	0.00
Spiked Amount			Recovery	=	105.72%	
35) Dibromofluoromethane	4.88	113	162421	50.49	ug/l	0.00
Spiked Amount			Recovery	=	100.98%	
50) Toluene-d8	7.57	98	651537	50.65	ug/l	0.00
Spiked Amount			Recovery	=	101.30%	
62) 4-Bromofluorobenzene	10.31	95	236125	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	

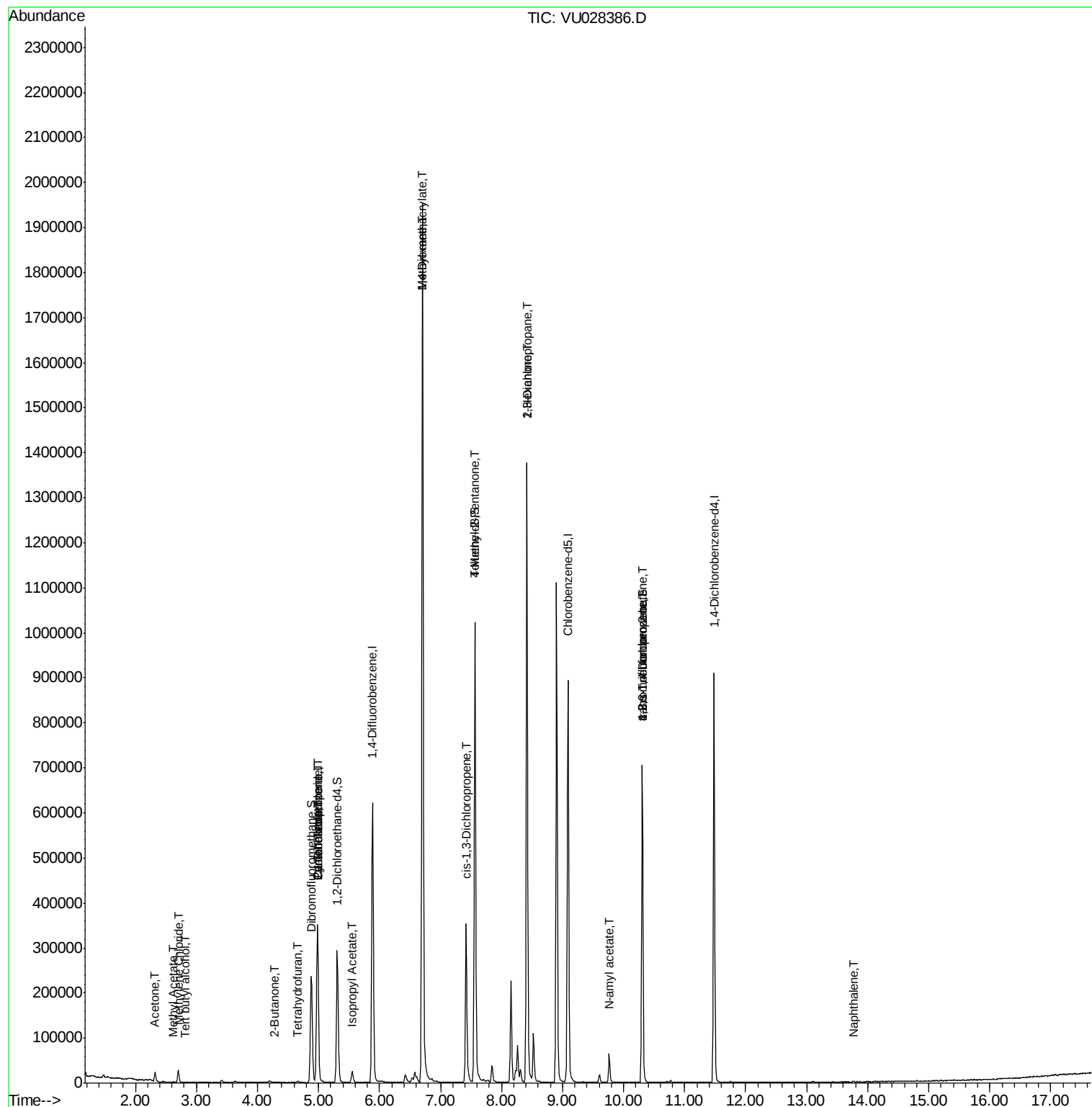
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.82	59	457	0.475	ug/l #	72
16) Acetone	2.32	43	22971	8.859	ug/l	94
18) Methyl Acetate	2.62	43	1459	0.202	ug/l #	64
20) Methylene Chloride	2.70	84	11015	2.942	ug/l	92
25) 2-Butanone	4.29	43	2271	0.611	ug/l	96
29) Tetrahydrofuran	4.66	42	904	0.375	ug/l	91
31) Cyclohexane	4.98	56	6388	0.524	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	23757	4.488	ug/l #	50
38) Carbon Tetrachloride	4.99	117	25709	5.914	ug/l #	15
43) Isopropyl Acetate	5.55	43	30673	2.683	ug/l	99
48) Methyl methacrylate	6.70	41	174635	29.327	ug/l #	47
49) 1,4-Dioxane	6.70	88	132	1.388	ug/l #	1
51) 4-Methyl-2-Pentanone	7.56	43	16901	2.315	ug/l	97
54) cis-1,3-Dichloropropene	7.42	75	58720	8.738	ug/l #	59
57) 1,3-Dichloropropane	8.41	76	12450	1.807	ug/l #	43
59) 2-Hexanone	8.41	43	208039	36.785	ug/l #	53
74) N-amyl acetate	9.76	43	22680	2.219	ug/l #	55
76) 1,2,3-Trichloropropane	10.30	75	123188	21.177	ug/l #	33
81) trans-1,4-Dichloro-2-buten	10.30	75	123188	56.213	ug/l #	100
95) Naphthalene	13.76	128	84	2.840	ug/l #	69

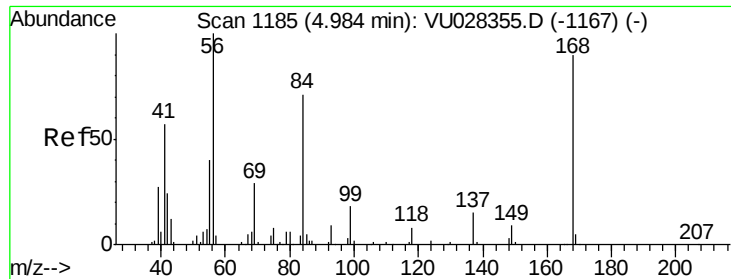
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU028386.D

Acq: 29 Nov 2018 12:18

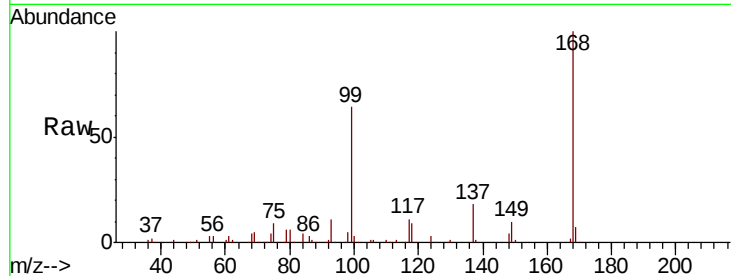
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 253641

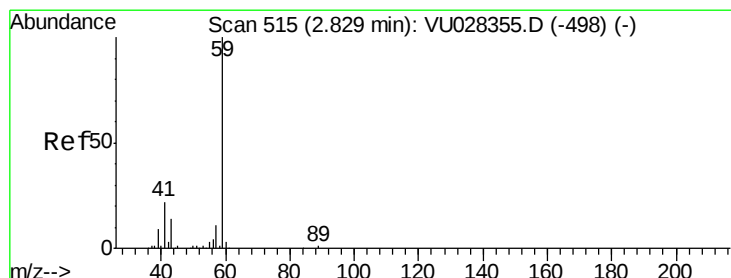
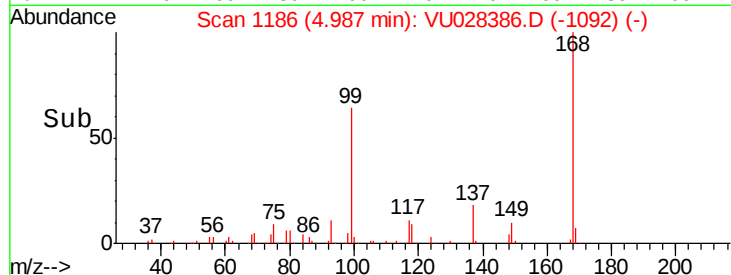
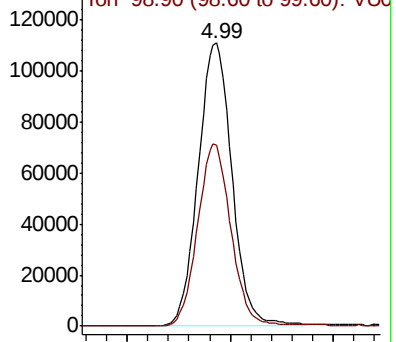
Ion Ratio Lower Upper

168 100

99 64.0 49.6 74.4



Abundance Ion 167.90 (167.60 to 168.60): VU028355.D (-1167) (-)



#11

Tert butyl alcohol

Concen: 0.475 ug/l

RT: 2.82 min Scan# 513

Delta R.T. -0.01 min

Lab File: VU028386.D

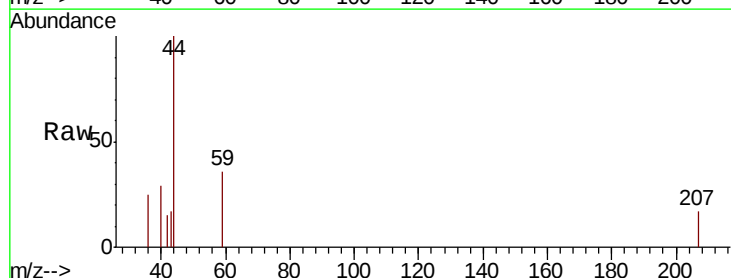
Acq: 29 Nov 2018 12:18

Tgt Ion: 59 Resp: 457

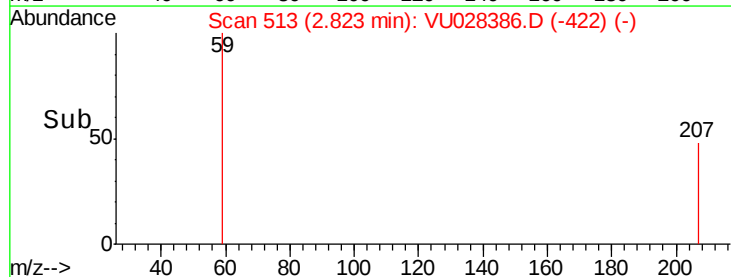
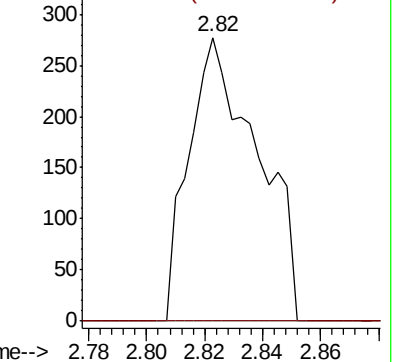
Ion Ratio Lower Upper

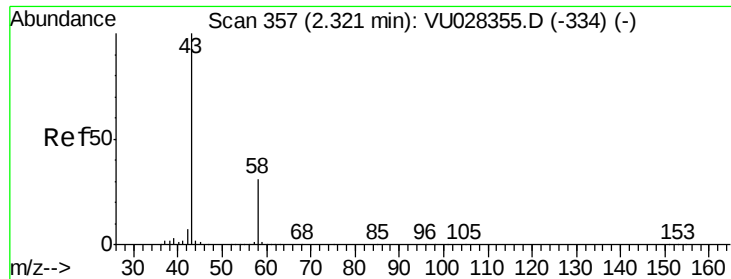
59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VU028355.D (-498) (-)





#16

Acetone

Concen: 8.859 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028386.D

Acq: 29 Nov 2018 12:18

Instrument :

MSVOA_U

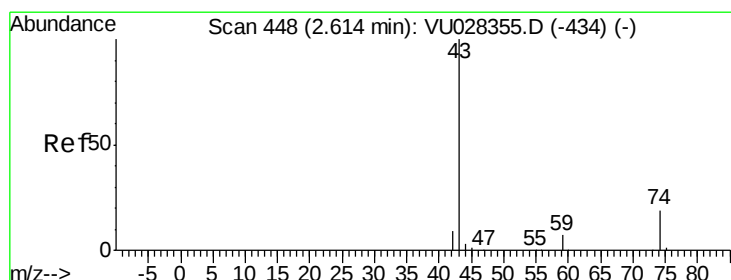
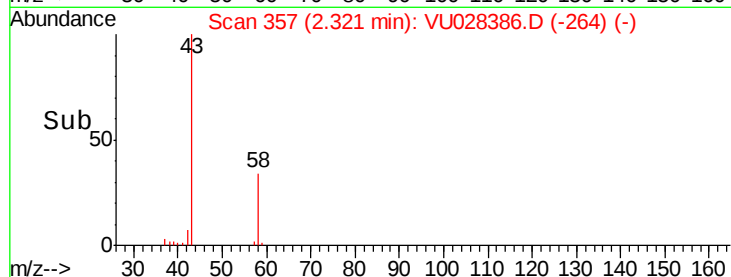
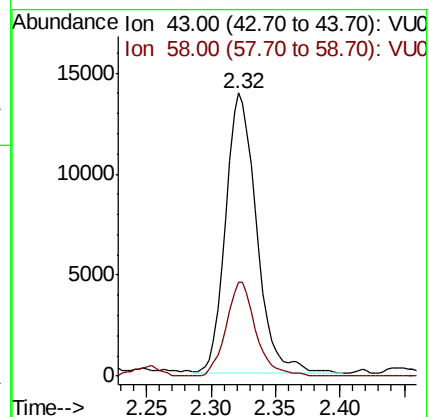
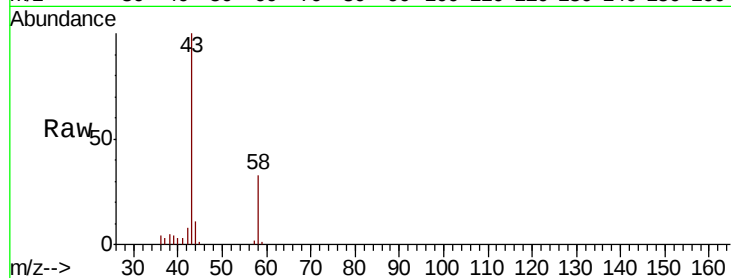
ClientSampleId :

Tot Ion: 43 Resp: 22971

Ion Ratio Lower Upper

43 100

58 33.8 24.4 36.6



#18

Methyl Acetate

Concen: 0.202 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.01 min

Lab File: VU028386.D

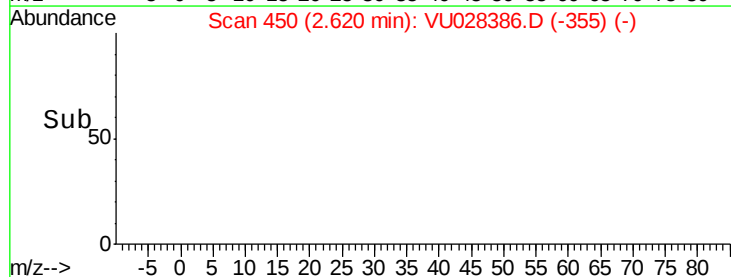
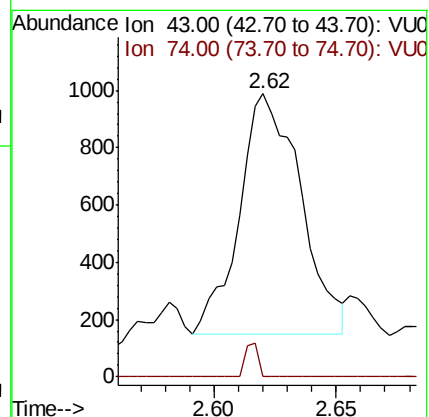
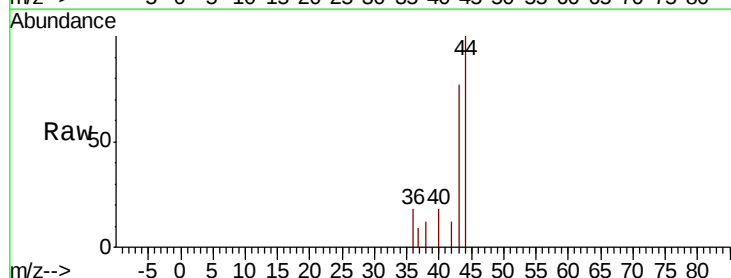
Acq: 29 Nov 2018 12:18

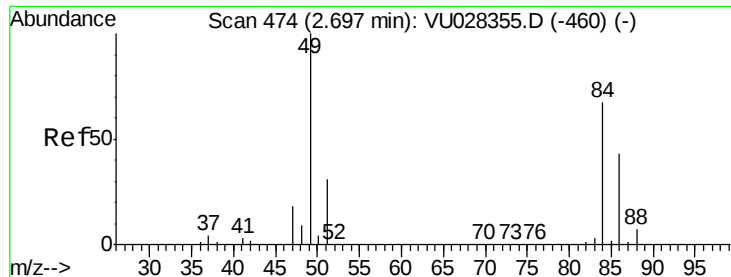
Tgt Ion: 43 Resp: 1459

Ion Ratio Lower Upper

43 100

74 3.0 15.3 22.9#

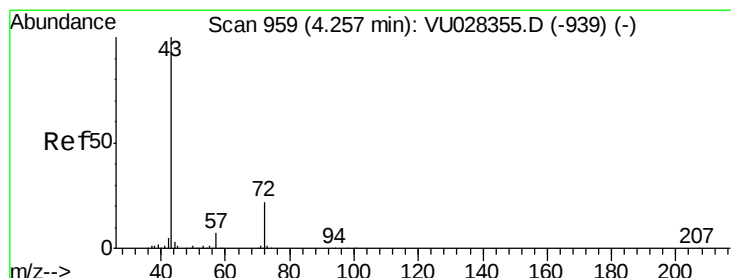
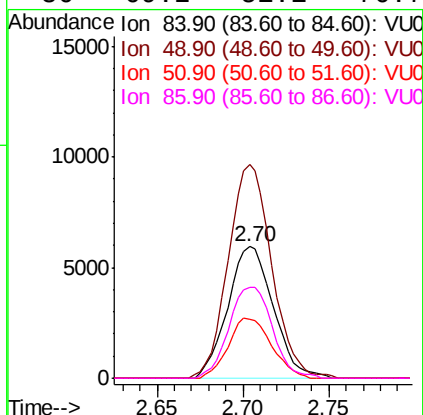
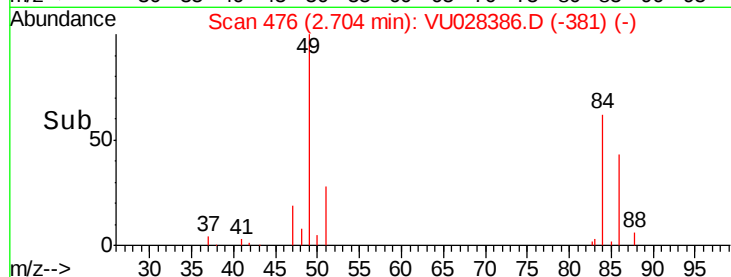
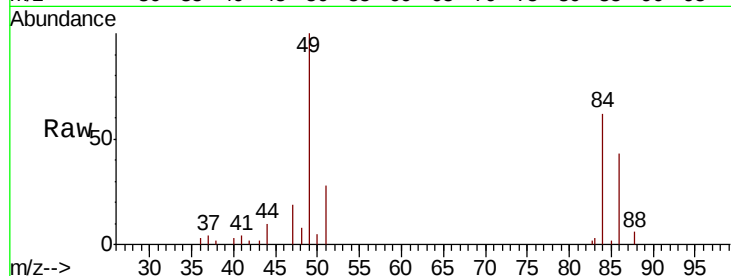




#20
Methvlene Chloride
Concen: 2.942 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.01 min
Lab File: VU028386.D
Acq: 29 Nov 2018 12:18

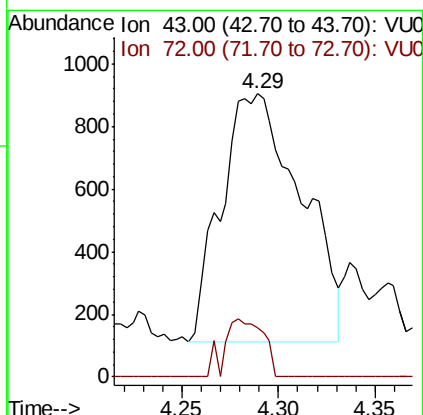
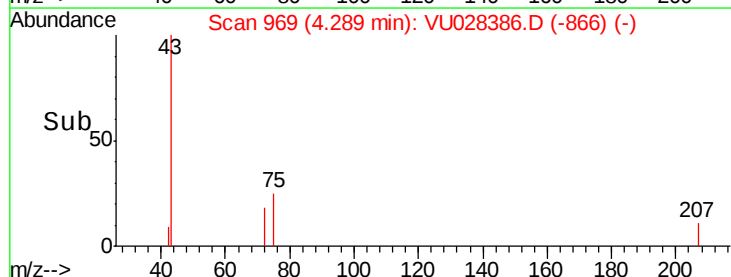
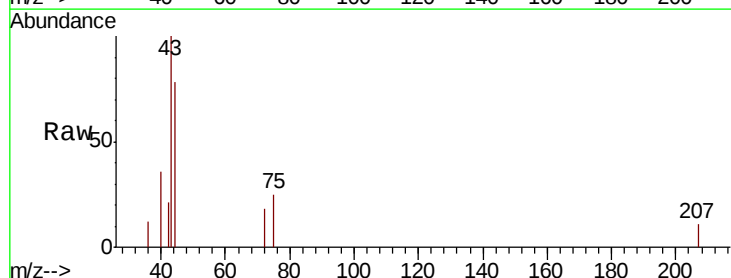
Instrument :
MSVOA_U
ClientSampled :

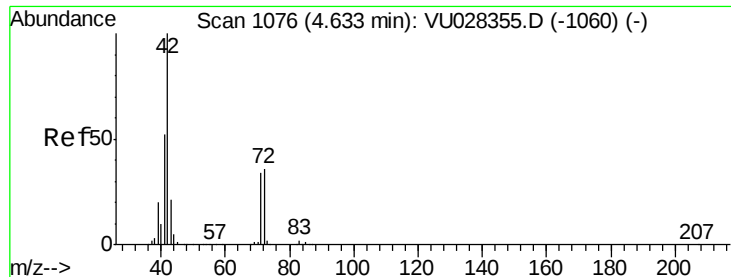
Tot Ion: 84 Resp: 11015
Ion Ratio Lower Upper
84 100
49 162.5 120.0 180.0
51 44.7 36.9 55.3
86 69.2 51.1 76.7



#25
2-Butanone
Concen: 0.611 ug/l
RT: 4.29 min Scan# 969
Delta R.T. 0.03 min
Lab File: VU028386.D
Acq: 29 Nov 2018 12:18

Tgt Ion: 43 Resp: 2271
Ion Ratio Lower Upper
43 100
72 20.1 17.7 26.5

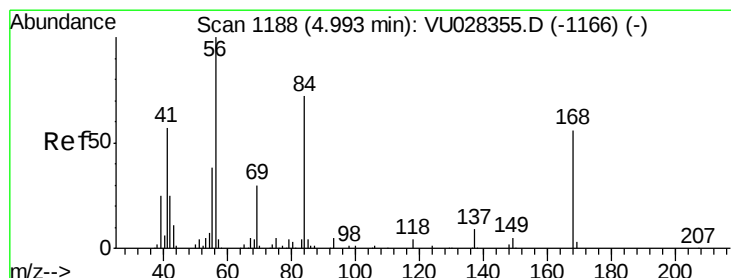
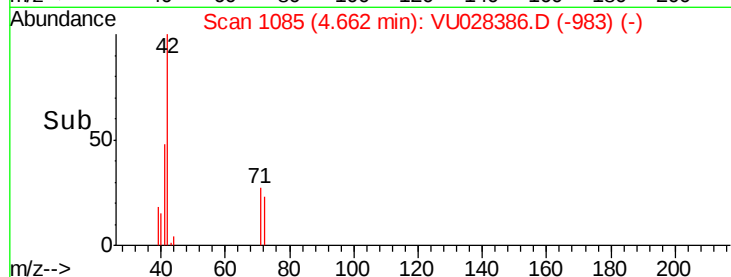
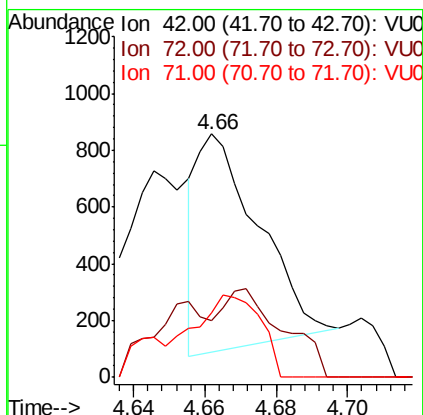
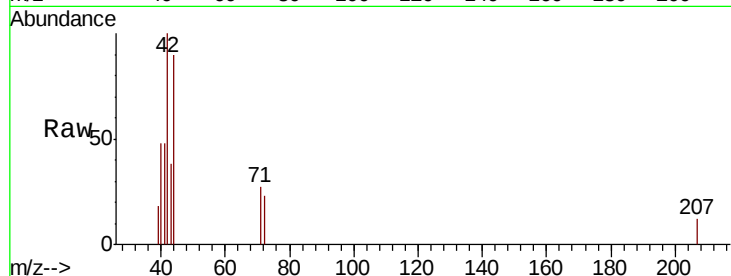




#29
Tetrahydrofuran
Concen: 0.375 ug/l
RT: 4.66 min Scan# 1085
Delta R.T. 0.03 min
Lab File: VU028386.D
Acq: 29 Nov 2018 12:18

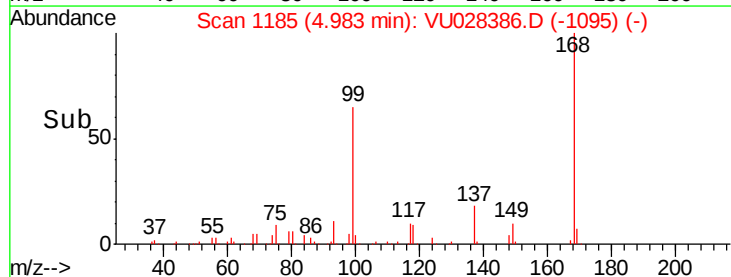
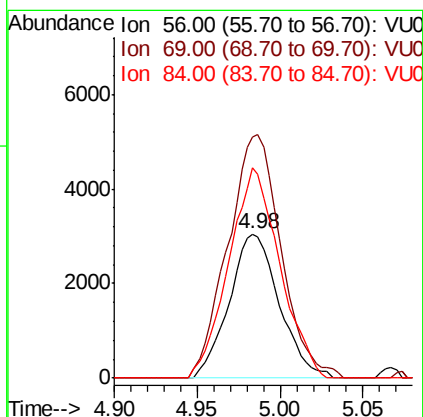
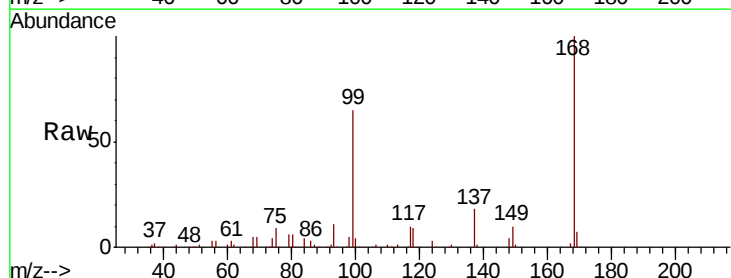
Instrument :
MSVOA_U
ClientSampled :

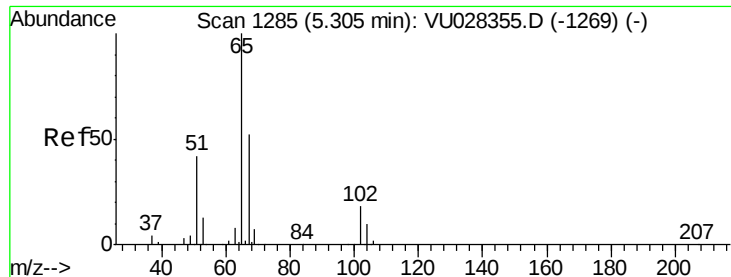
Tot Ion: 42 Resp: 904
Ion Ratio Lower Upper
42 100
72 40.5 29.5 44.3
71 41.4 27.7 41.5



#31
Cyclohexane
Concen: 0.524 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028386.D
Acq: 29 Nov 2018 12:18

Tgt Ion: 56 Resp: 6388
Ion Ratio Lower Upper
56 100
69 167.7 23.7 35.5#
84 145.6 57.3 85.9#

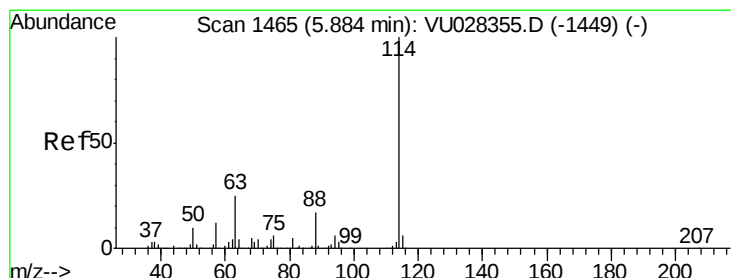
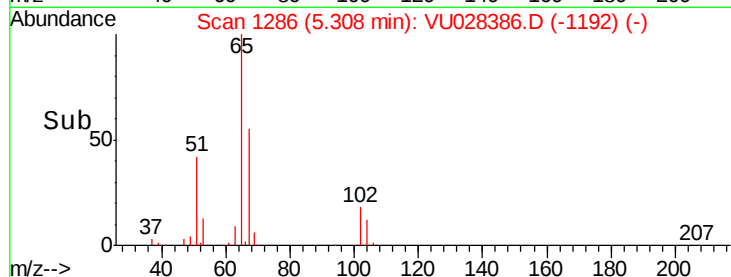
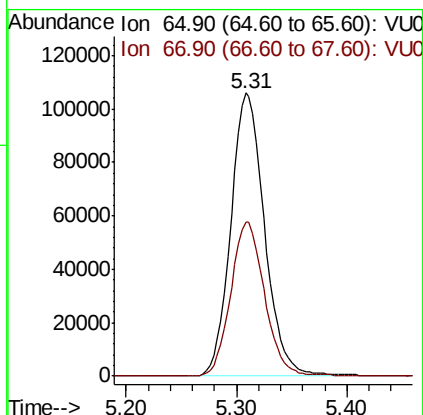
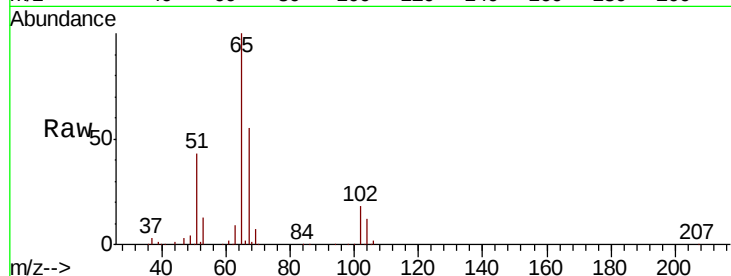




#33
 1,2-Dichloroethane-d4
 Concen: 52.855 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028386.D
 Acq: 29 Nov 2018 12:18

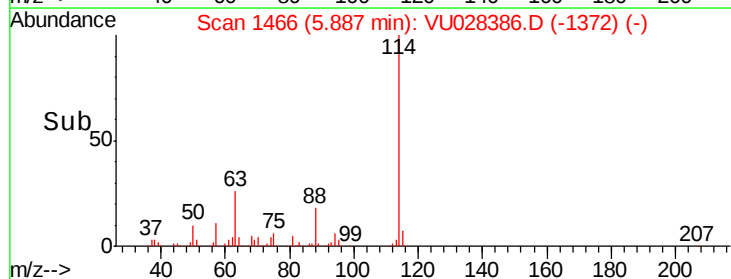
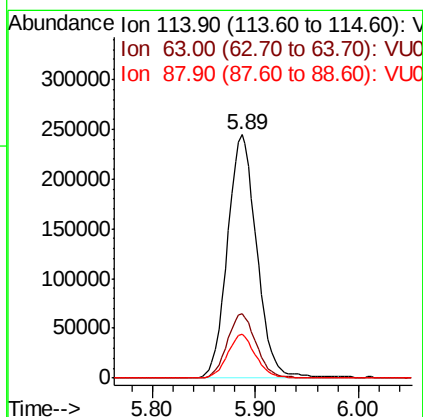
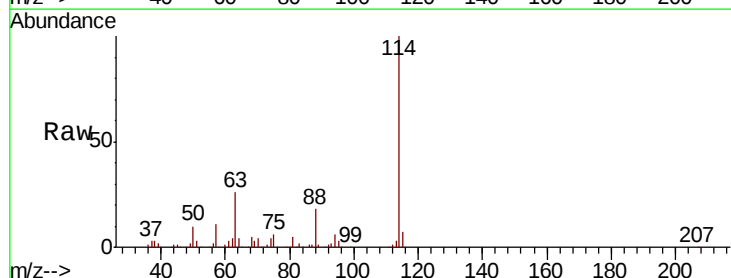
Instrument :
 MSVOA_U
 ClientSampleId :

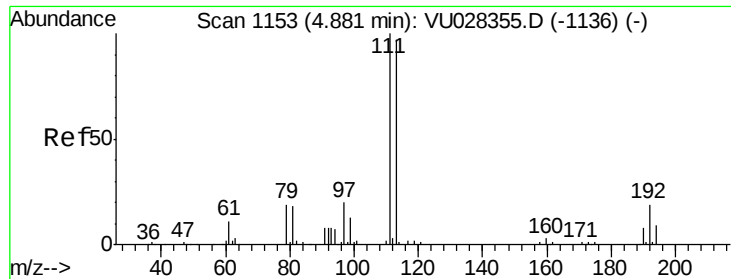
Tot Ion: 65 Resp: 224052
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028386.D
 Acq: 29 Nov 2018 12:18

Tgt Ion: 114 Resp: 483747
 Ion Ratio Lower Upper
 114 100
 63 26.4 0.0 50.0
 88 18.2 0.0 34.4

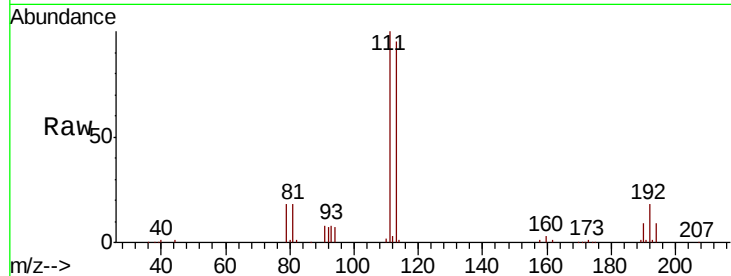




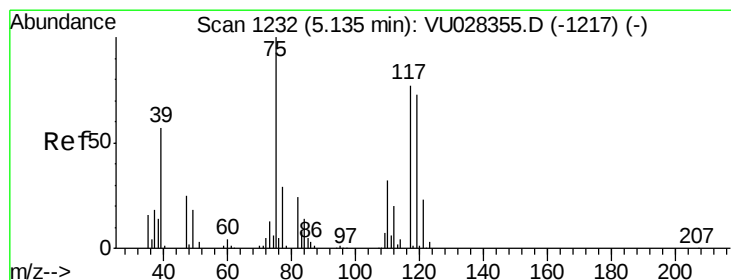
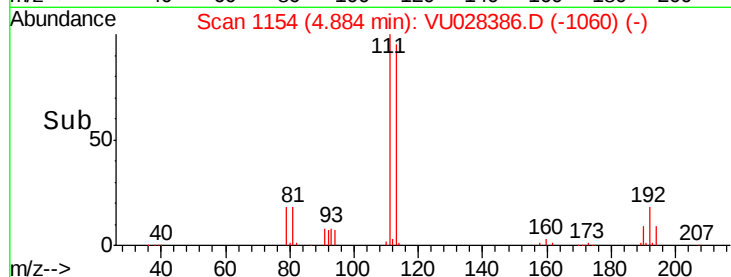
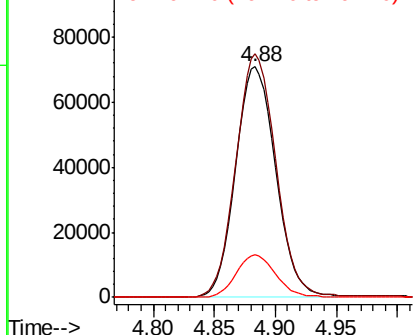
#35
Dibromofluoromethane
Concen: 50.493 ug/l
RT: 4.88 min Scan# 1154
Delta R.T. 0.00 min
Lab File: VU028386.D
Acq: 29 Nov 2018 12:18

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.9	82.9	124.3
192	18.3	15.4	23.0

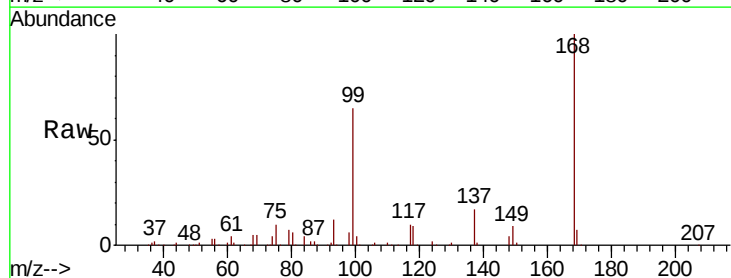


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

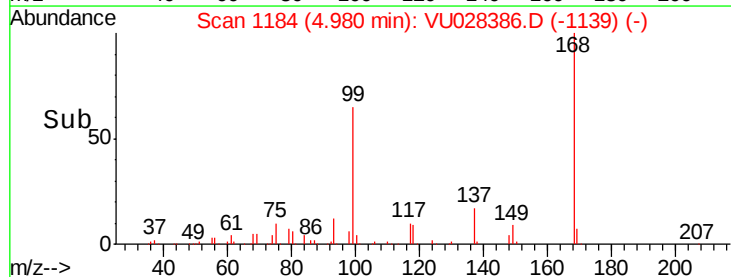
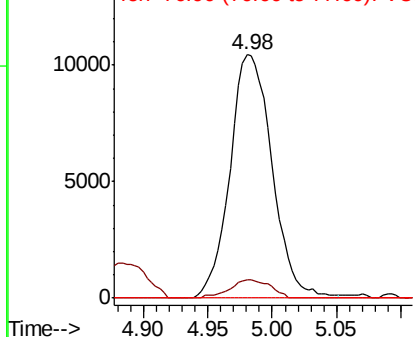


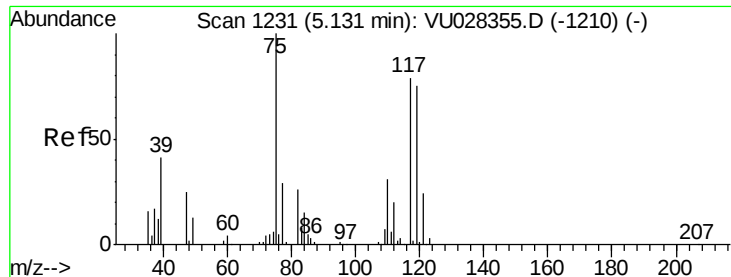
#36
1,1-Dichloropropene
Concen: 4.488 ug/l
RT: 4.98 min Scan# 1184
Delta R.T. -0.15 min
Lab File: VU028386.D
Acq: 29 Nov 2018 12:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.1	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: 5.914 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.14 min

Lab File: VU028386.D

Acq: 29 Nov 2018 12:18

Instrument :

MSVOA_U

ClientSampleId :

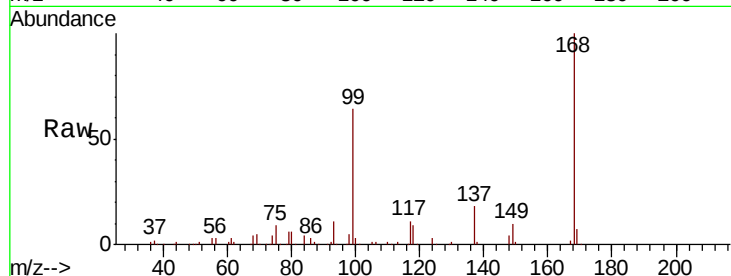
Tot Ion:117 Resp: 25709

Ion Ratio Lower Upper

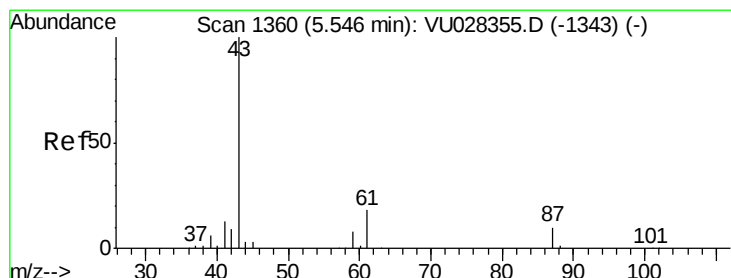
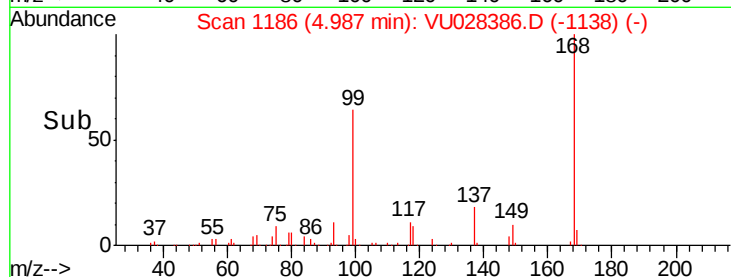
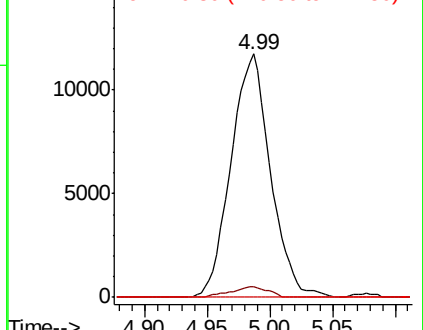
117 100

119 4.2 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: 2.683 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.01 min

Lab File: VU028386.D

Acq: 29 Nov 2018 12:18

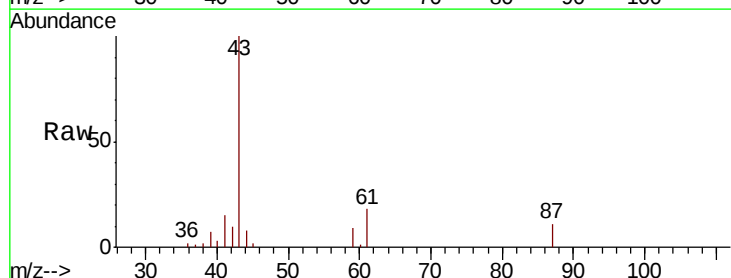
Tgt Ion: 43 Resp: 30673

Ion Ratio Lower Upper

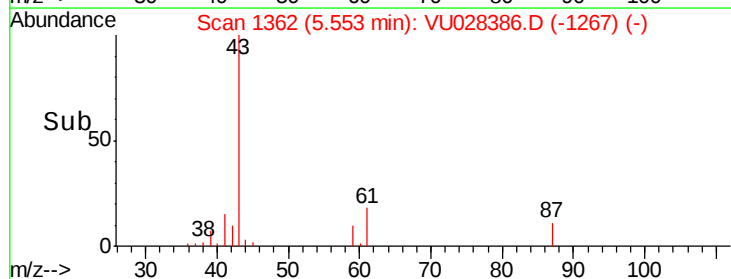
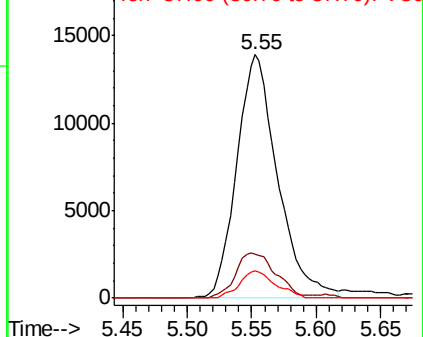
43 100

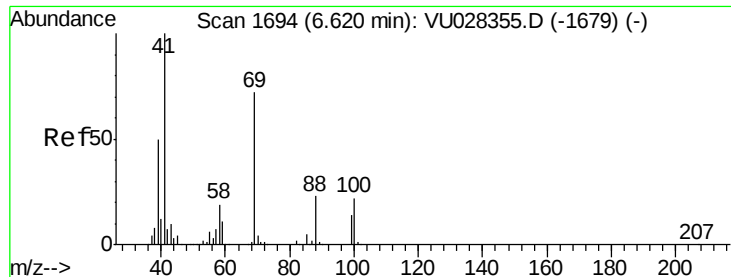
61 18.3 14.5 21.7

87 9.8 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

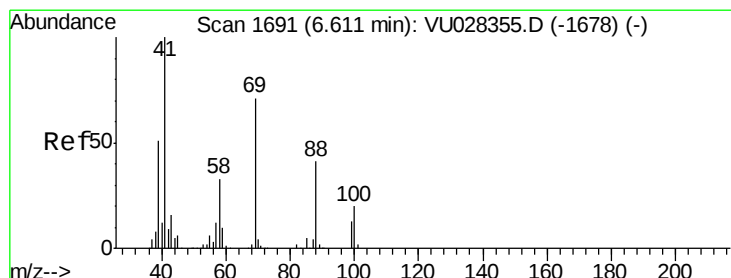
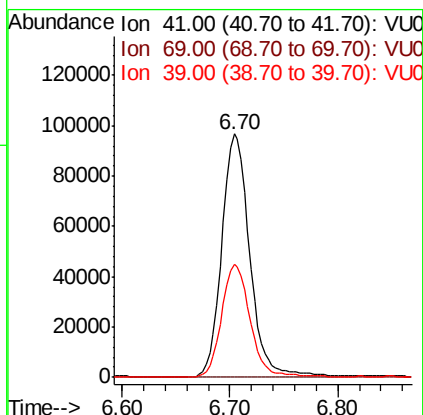
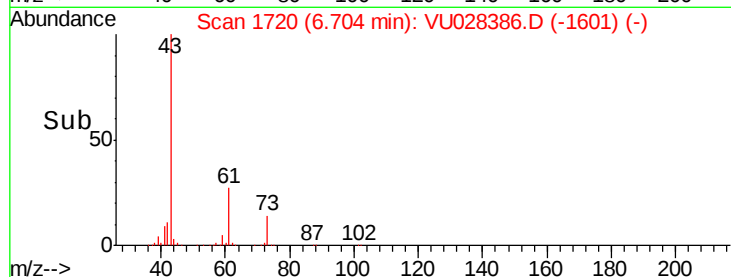
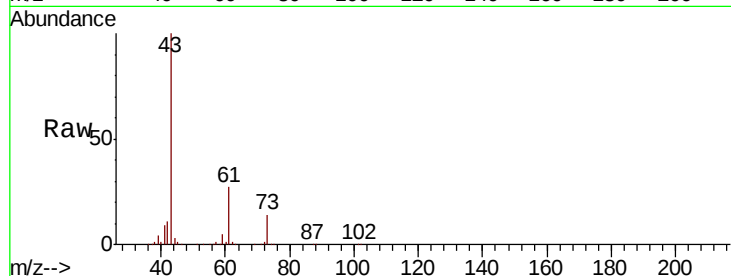




#48
Methvl methacrylate
Concen: 29.327 ug/l
RT: 6.70 min Scan# 1720
Delta R.T. 0.08 min
Lab File: VU028386.D
Acq: 29 Nov 2018 12:18

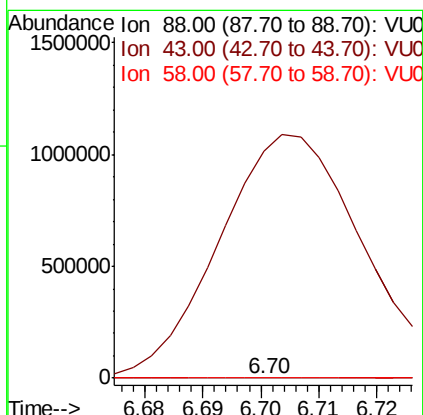
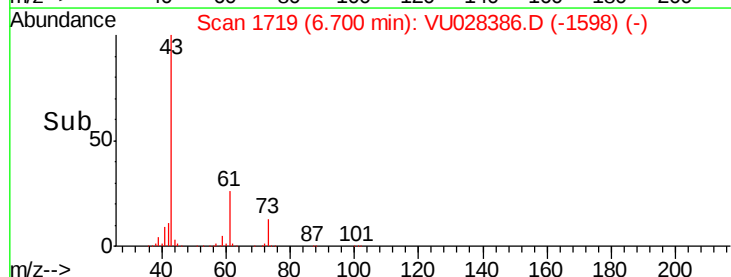
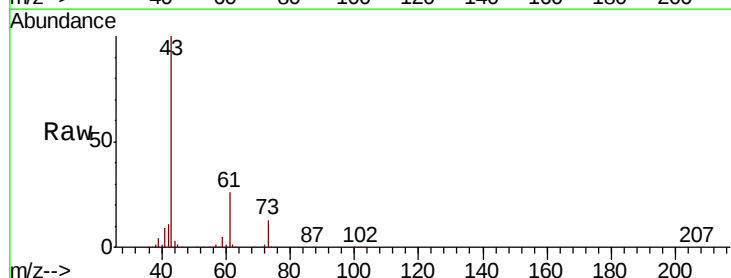
Instrument :
MSVOA_U
ClientSampleId :

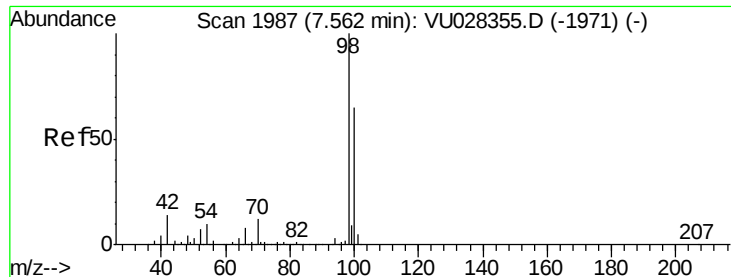
Tot Ion: 41 Resp: 174635
Ion Ratio Lower Upper
41 100
69 0.2 59.0 88.4#
39 47.8 40.5 60.7



#49
1,4-Dioxane
Concen: 1.388 ug/l
RT: 6.70 min Scan# 1719
Delta R.T. 0.09 min
Lab File: VU028386.D
Acq: 29 Nov 2018 12:18

Tgt Ion: 88 Resp: 132
Ion Ratio Lower Upper
88 100
43 1489231.1 32.6 48.8#
58 5481.1 68.7 103.1#

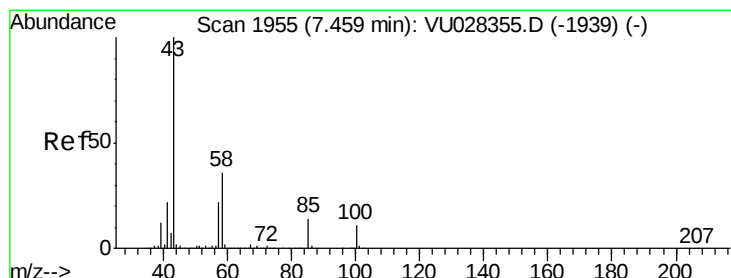
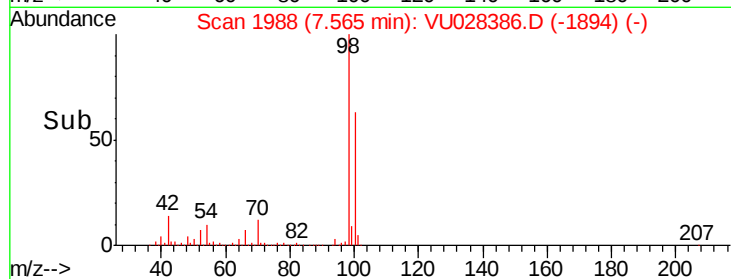
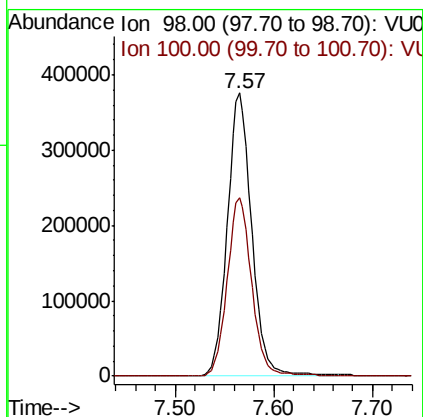
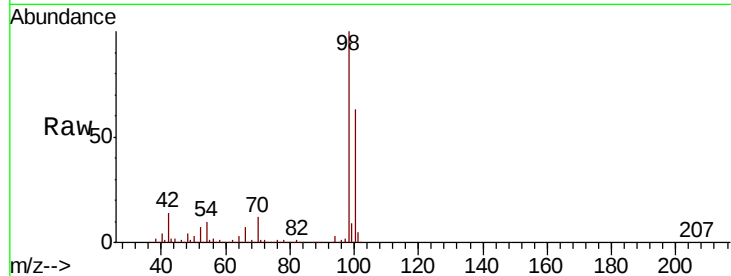




#50
Toluene-d8
Concen: 50.646 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028386.D
Acq: 29 Nov 2018 12:18

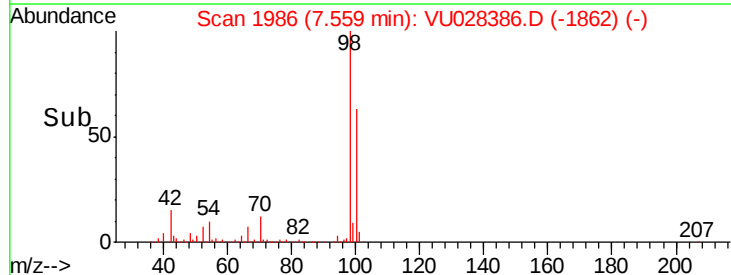
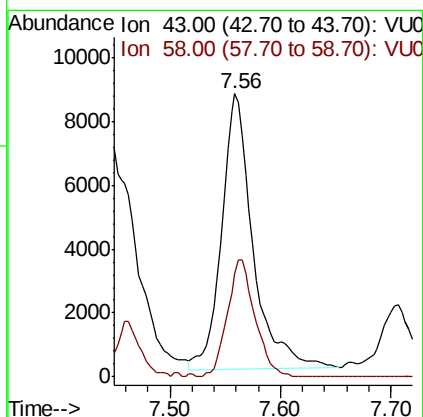
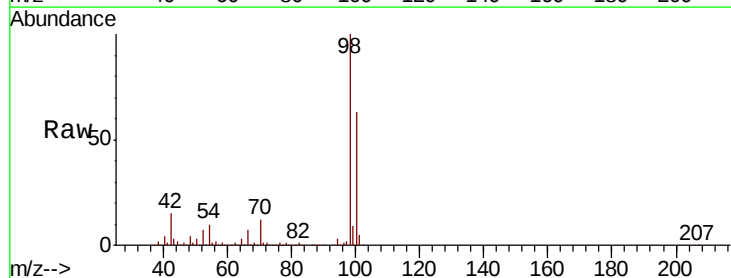
Instrument :
MSVOA_U
ClientSampleId :

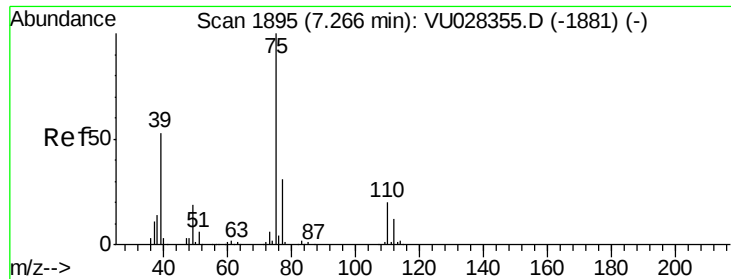
Tot Ion: 98 Resp: 651537
Ion Ratio Lower Upper
98 100
100 63.2 50.8 76.2



#51
4-Methyl-2-Pentanone
Concen: 2.315 ug/l
RT: 7.56 min Scan# 1986
Delta R.T. 0.10 min
Lab File: VU028386.D
Acq: 29 Nov 2018 12:18

Tgt Ion: 43 Resp: 16901
Ion Ratio Lower Upper
43 100
58 37.7 28.8 43.2



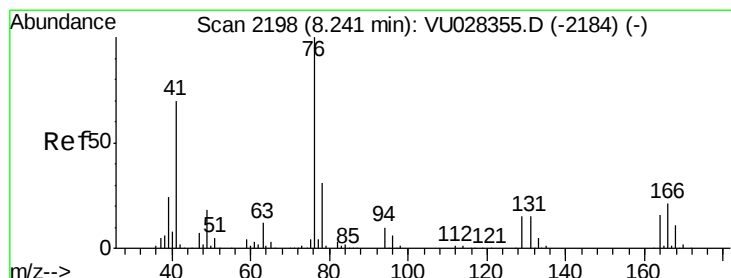
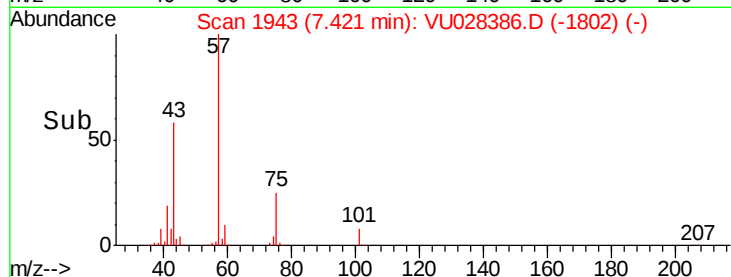
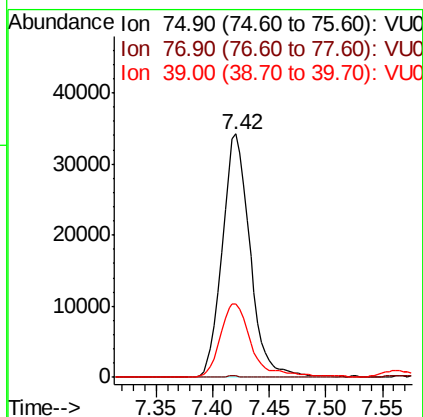
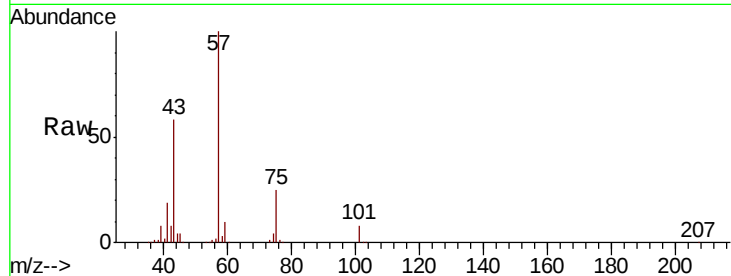


#54

cis-1,3-Dichloropropene
 Concen: 8.738 ug/l
 RT: 7.42 min Scan# 1943
 Delta R.T. 0.15 min
 Lab File: VU028386.D
 Acq: 29 Nov 2018 12:18

Instrument :
 MSVOA_U
 ClientSampleId :

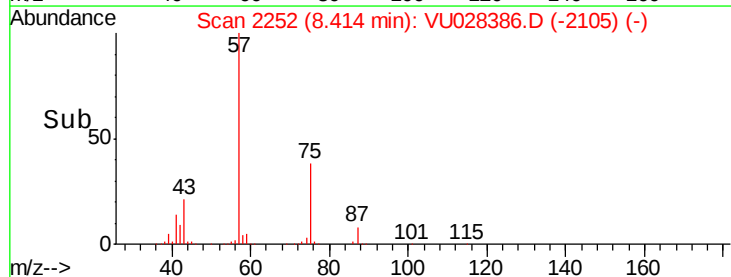
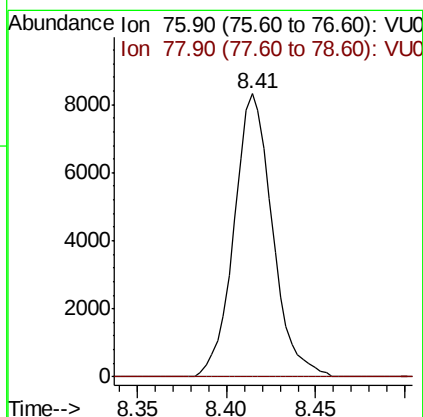
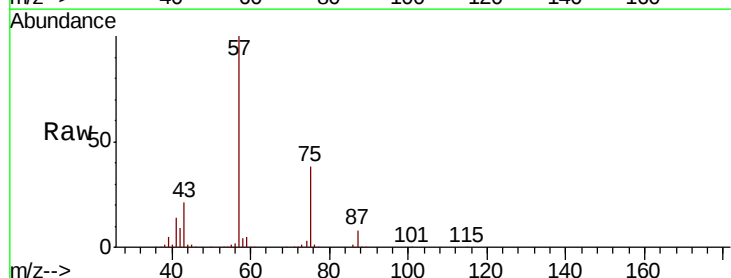
Tot Ion: 75 Resp: 58720
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.9 37.3#
 39 30.1 42.6 64.0#

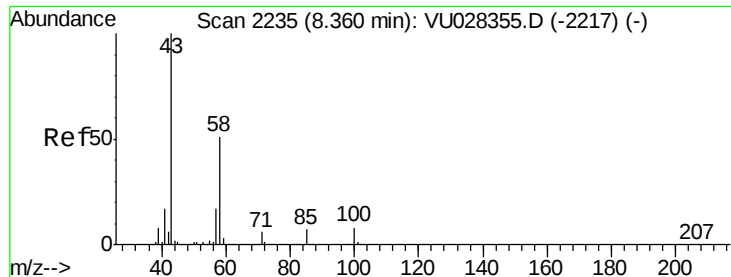


#57

1,3-Dichloropropane
 Concen: 1.807 ug/l
 RT: 8.41 min Scan# 2252
 Delta R.T. 0.17 min
 Lab File: VU028386.D
 Acq: 29 Nov 2018 12:18

Tgt Ion: 76 Resp: 12450
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.4 38.0#

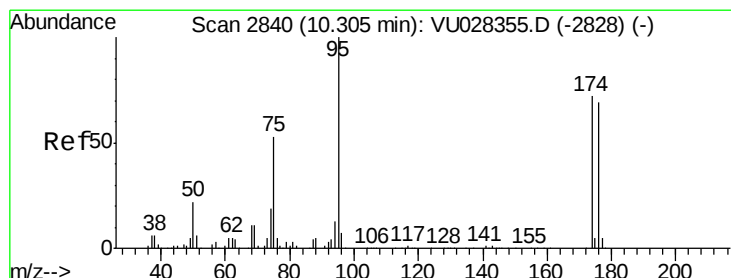
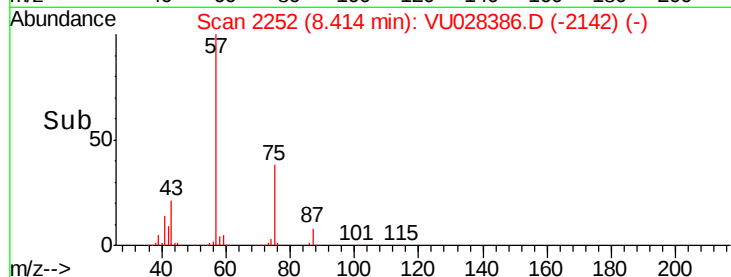
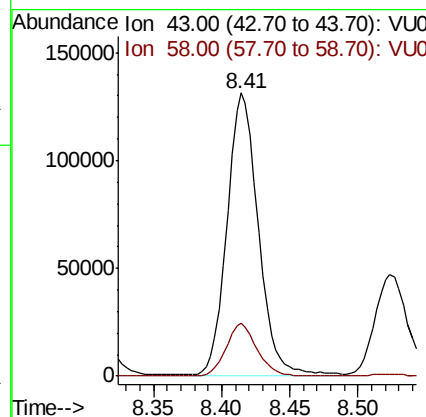
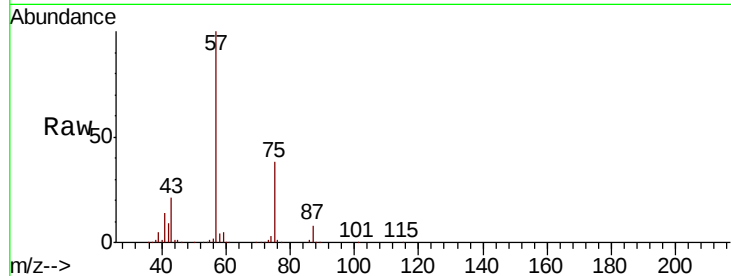




#59
2-Hexanone
Concen: 36.785 ug/l
RT: 8.41 min Scan# 2252
Delta R.T. 0.05 min
Lab File: VU028386.D
Acq: 29 Nov 2018 12:18

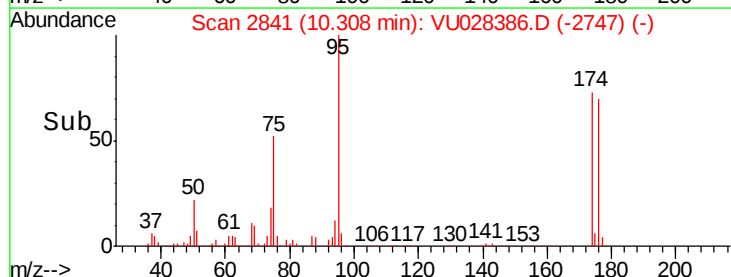
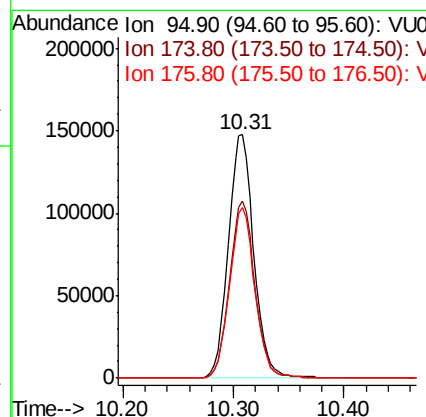
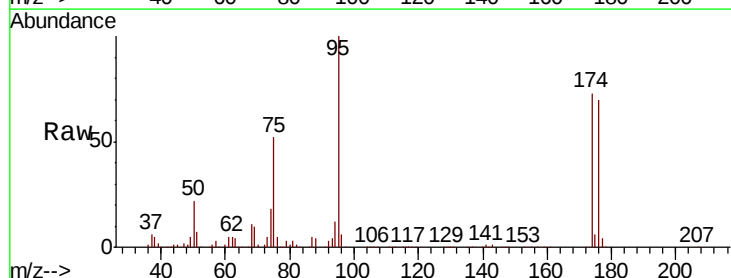
Instrument :
MSVOA_U
ClientSampleId :

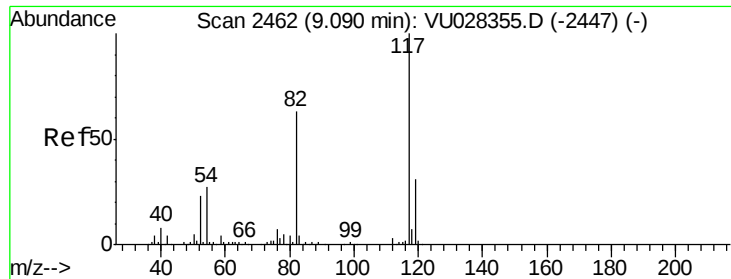
Tot Ion: 43 Resp: 208039
Ion Ratio Lower Upper
43 100
58 18.4 25.5 76.5#



#62
4-Bromofluorobenzene
Concen: 50.924 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU028386.D
Acq: 29 Nov 2018 12:18

Tgt Ion: 95 Resp: 236125
Ion Ratio Lower Upper
95 100
174 72.6 0.0 145.4
176 69.7 0.0 140.8

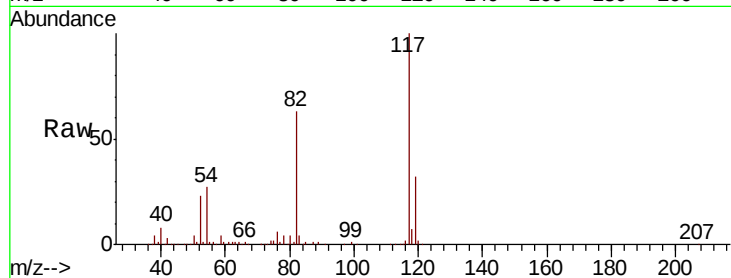




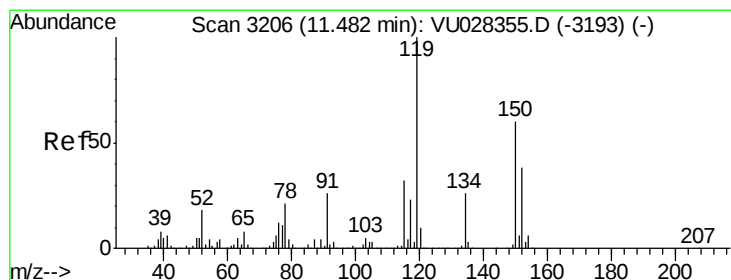
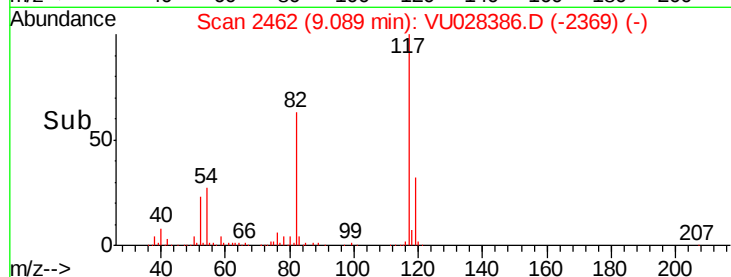
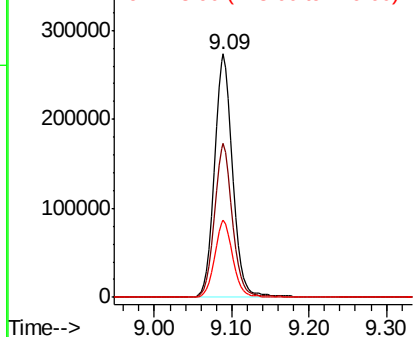
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028386.D
Acq: 29 Nov 2018 12:18

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 459474
Ion Ratio Lower Upper
117 100
82 63.3 50.3 75.5
119 31.8 24.8 37.2

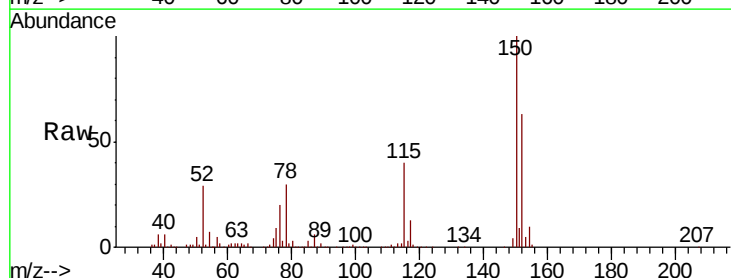


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

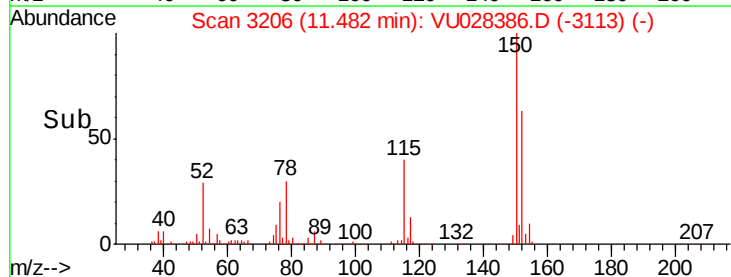
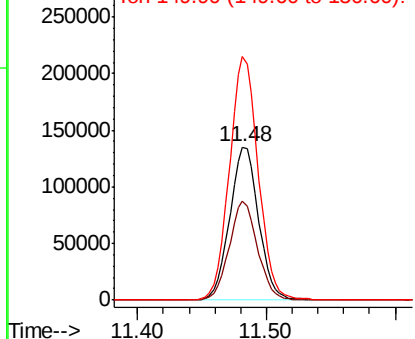


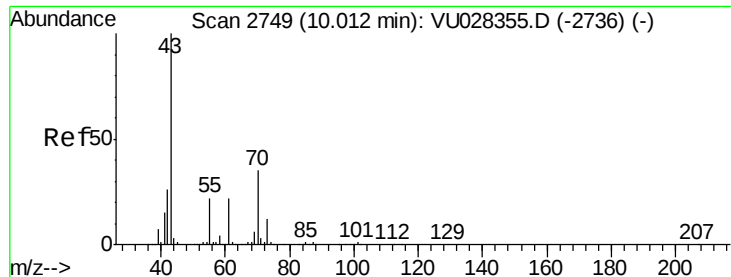
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028386.D
Acq: 29 Nov 2018 12:18

Tgt Ion:152 Resp: 209772
Ion Ratio Lower Upper
152 100
115 63.5 45.0 134.8
150 158.8 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: 2.219 ug/l

RT: 9.76 min Scan# 2672

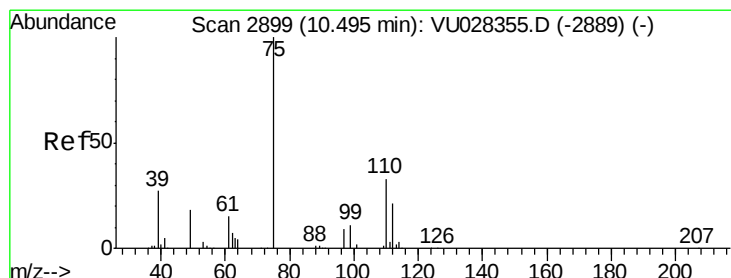
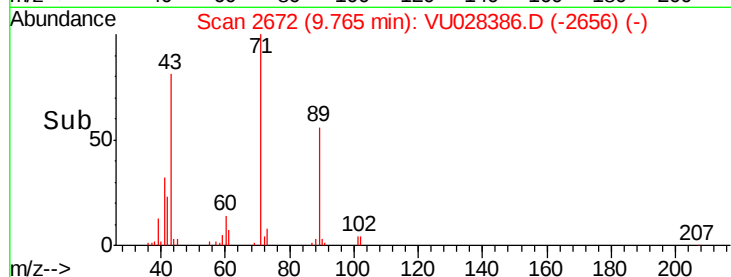
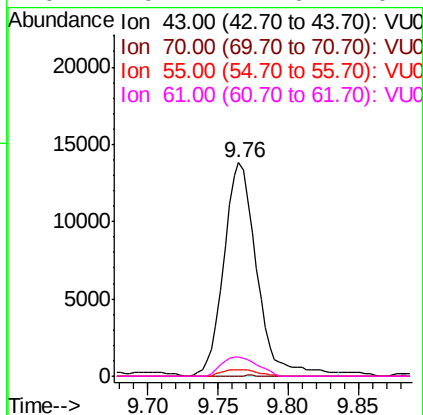
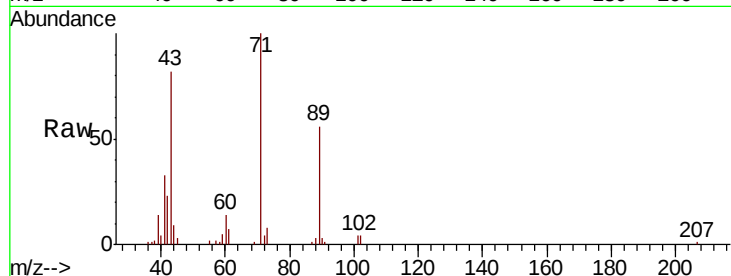
Delta R.T. -0.25 min

Lab File: VU028386.D

Acq: 29 Nov 2018 12:18

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	43	Resp:	22680
Ion	Ratio	Lower	Upper
43	100		
70	0.2	28.4	42.6#
55	3.3	18.0	27.0#
61	9.7	17.6	26.4#



#76

1,2,3-Trichloropropane

Concen: 21.177 ug/l

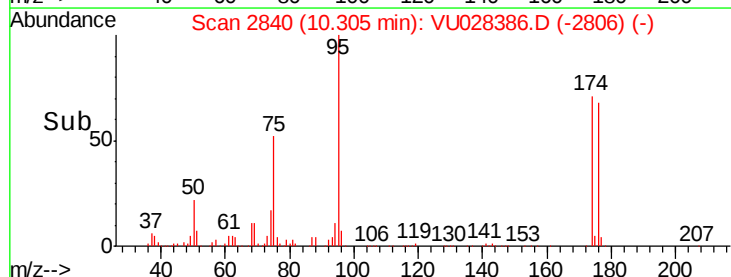
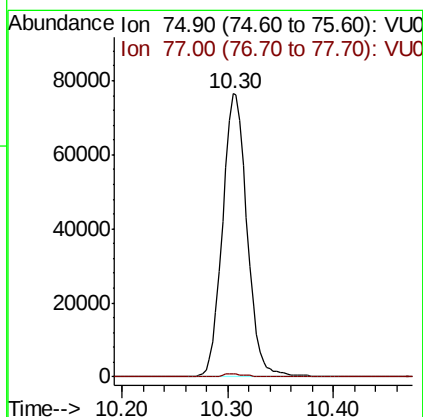
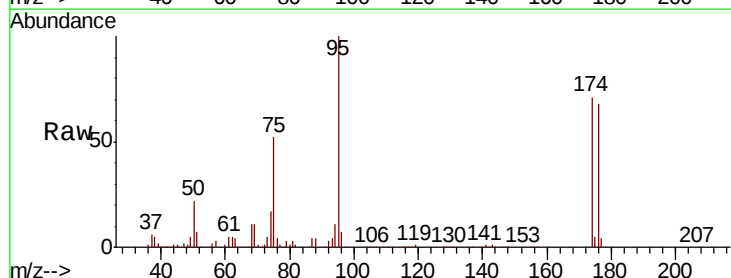
RT: 10.30 min Scan# 2840

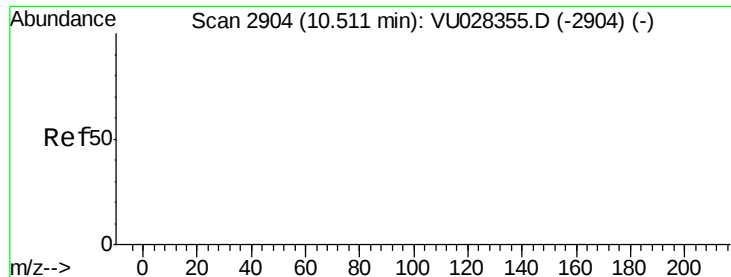
Delta R.T. -0.19 min

Lab File: VU028386.D

Acq: 29 Nov 2018 12:18

Tgt Ion:	75	Resp:	123188
Ion	Ratio	Lower	Upper
75	100		
77	1.0	22.4	67.0#

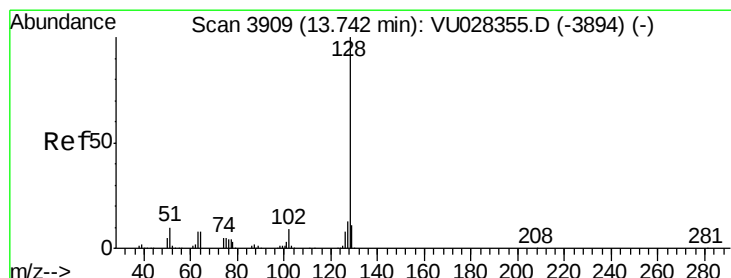
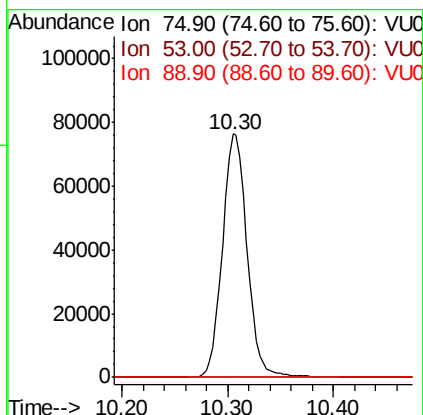
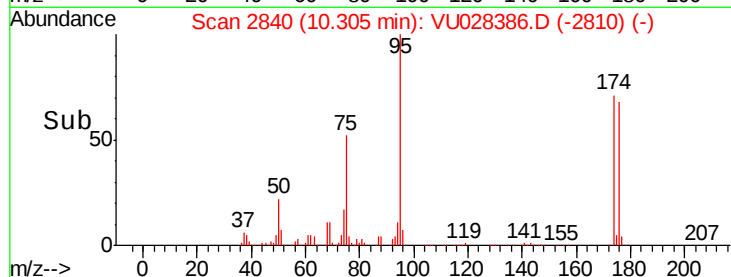
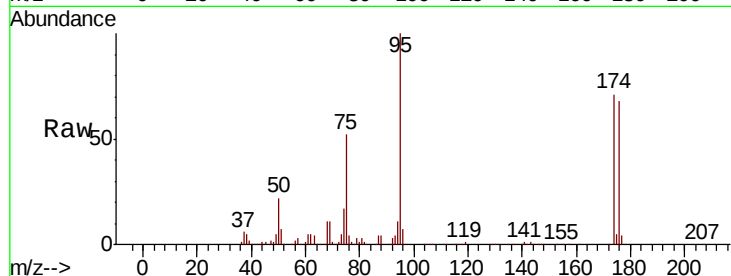




#81
trans-1,4-Dichloro-2-butene
Concen: 56.213 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.20 min
Lab File: VU028386.D
Acq: 29 Nov 2018 12:18

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 123188
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#95
Naphthalene
Concen: 2.840 ug/l
RT: 13.76 min Scan# 3916
Delta R.T. 0.02 min
Lab File: VU028386.D
Acq: 29 Nov 2018 12:18

Tgt Ion:128 Resp: 84
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

