

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100418\
 Data File : VU027380.D
 Acq On : 04 Oct 2018 00:58
 Operator : MD/SY
 Sample : J5163-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 04 07:37:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	92120	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	170977	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	156418	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	79147	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	97866	63.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.24%	
35) Dibromofluoromethane	4.89	113	69374	59.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.42%	
50) Toluene-d8	7.57	98	265152	60.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.92%	
62) 4-Bromofluorobenzene	10.31	95	85498	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	

Target Compounds					Qvalue	
3) Chloromethane	1.33	50	841	0.468	ug/l #	42
6) Chloroethane	1.95	64	463	0.456	ug/l #	54
11) Tert butyl alcohol	2.83	59	848397	2619.086	ug/l	98
13) Acrolein	2.31	56	231	0.850	ug/l #	36
14) Allyl chloride	2.83	41	199585	86.375	ug/l #	60
15) Acrylonitrile	3.00	53	14076	16.696	ug/l #	29
16) Acetone	2.32	43	5505	6.058	ug/l	97
17) Carbon Disulfide	2.48	76	925	0.264	ug/l #	75
18) Methyl Acetate	2.44	43	4055	1.956	ug/l #	56
19) Methyl tert-butyl Ether	3.00	73	1244501	319.193	ug/l	99
20) Methylene Chloride	2.71	84	367	0.290	ug/l	87
22) Diisopropyl ether	3.58	45	2349	0.500	ug/l #	93
23) Vinyl Acetate	3.58	43	1340	0.327	ug/l #	76
25) 2-Butanone	4.22	43	3162	2.552	ug/l #	54
29) Tetrahydrofuran	4.65	42	176	0.225	ug/l #	39
31) Cyclohexane	4.99	56	2432	0.751	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	8585	4.624	ug/l #	49
37) Ethyl Acetate	4.22	43	3162	1.318	ug/l #	70
38) Carbon Tetrachloride	4.99	117	9527	5.681	ug/l #	19
39) Methylcyclohexane	6.60	83	540	0.249	ug/l #	1
43) Isopropyl Acetate	5.54	43	70028	18.793	ug/l #	63
47) Bromodichloromethane	6.60	83	540	0.295	ug/l #	67
48) Methyl methacrylate	6.59	41	7822	4.221	ug/l #	42
51) 4-Methyl-2-Pentanone	7.43	43	2420	0.999	ug/l #	38
56) Ethyl methacrylate	7.92	69	65	2.297	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.05	63	252	8.413	ug/l #	52
74) N-amyl acetate	10.07	43	693	0.211	ug/l #	45
76) 1,2,3-Trichloropropane	10.31	75	46320	22.577	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	46320	59.086	ug/l #	100
84) 1,2,4-Trimethylbenzene	11.32	105	9716	2.032	ug/l #	32
85) sec-Butylbenzene	11.32	105	9716	1.704	ug/l	96
86) p-Isopropyltoluene	11.69	119	1654	0.339	ug/l	87
89) n-Butylbenzene	11.89	91	196	1.986	ug/l #	33
90) Hexachloroethane	12.36	117	2121	2.305	ug/l #	12

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Response via : Initial Calibration

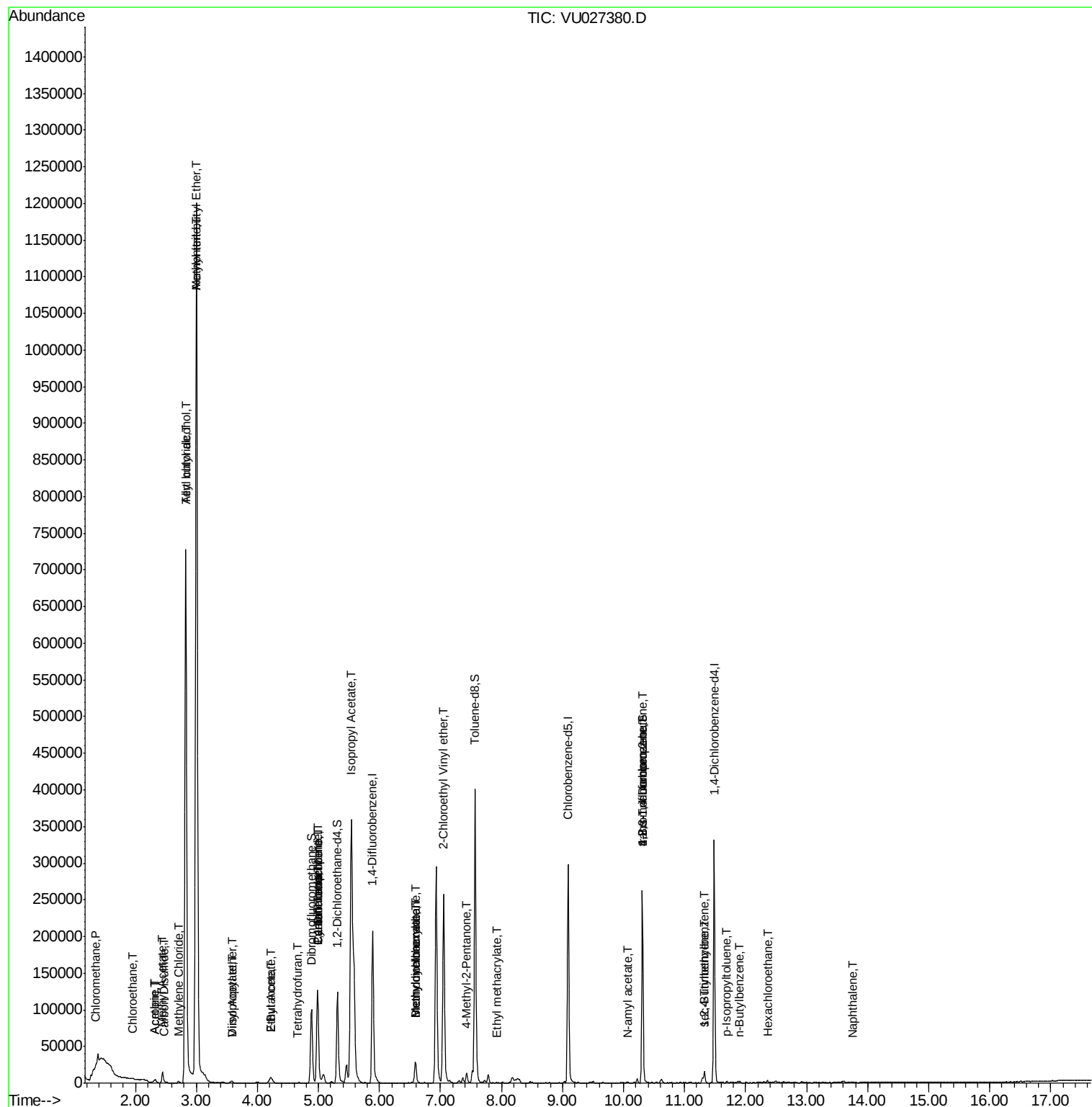
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	13.76	128	135	1.682	ug/l #	69

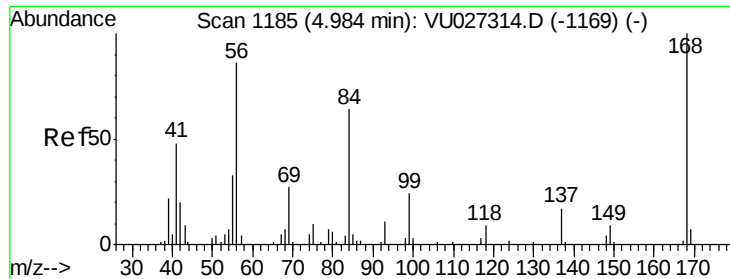
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU027380.D

Acq: 04 Oct 2018 00:58

Instrument :

MSVOA_U

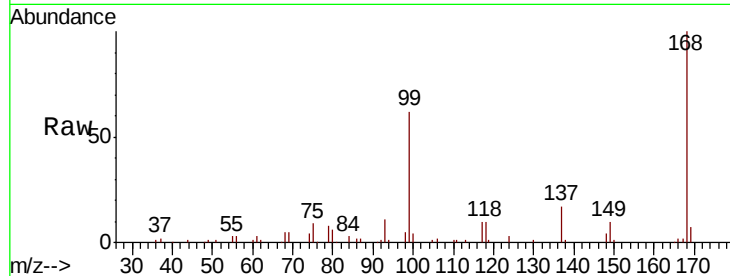
ClientSampleId :

Tot Ion:168 Resp: 92120

Ion Ratio Lower Upper

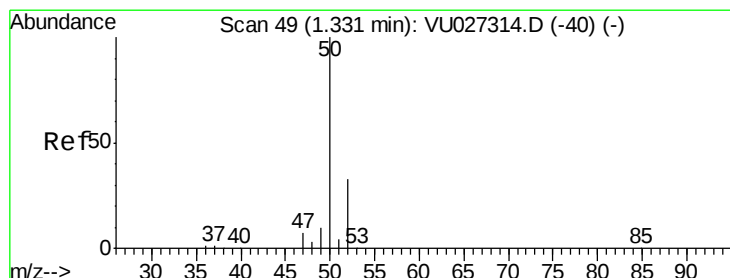
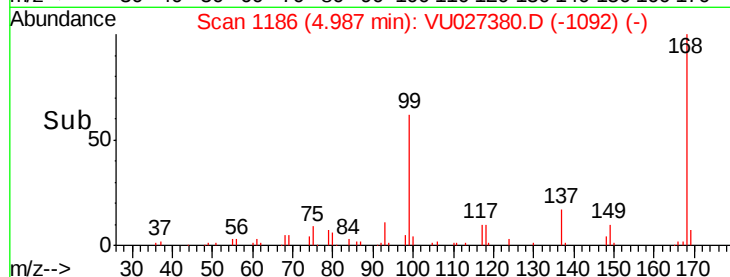
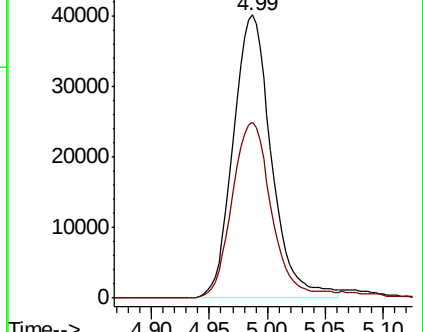
168 100

99 61.9 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027380.D (-1092) (-)



#3

Chloromethane

Concen: 0.468 ug/l

RT: 1.33 min Scan# 50

Delta R.T. 0.00 min

Lab File: VU027380.D

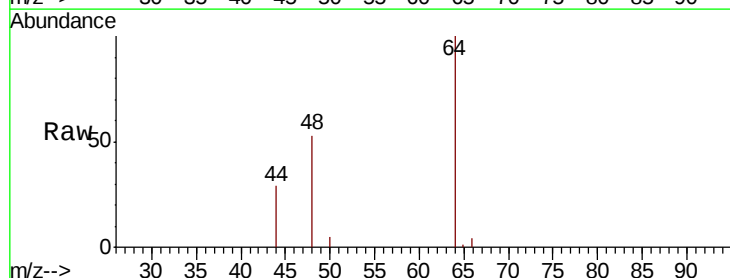
Acq: 04 Oct 2018 00:58

Tgt Ion: 50 Resp: 841

Ion Ratio Lower Upper

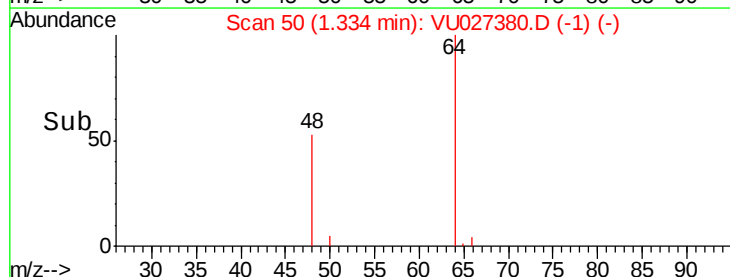
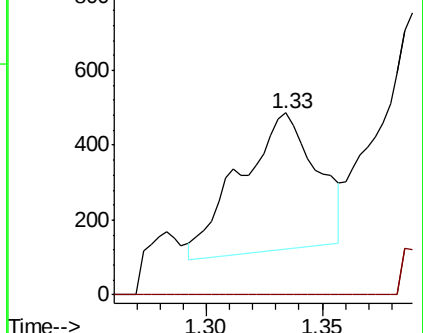
50 100

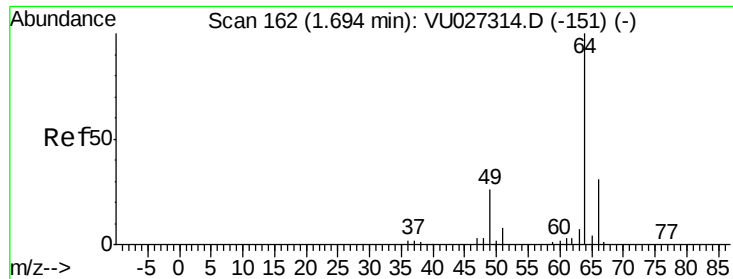
52 0.0 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VU027314.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU027380.D (-1) (-)

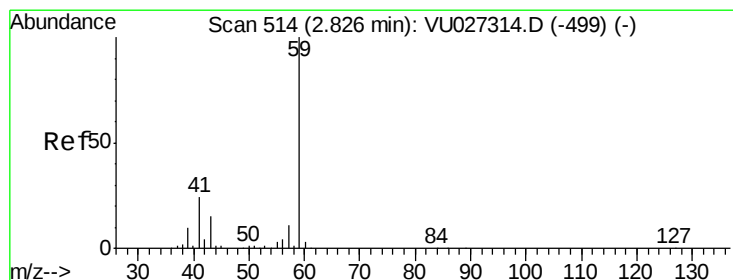
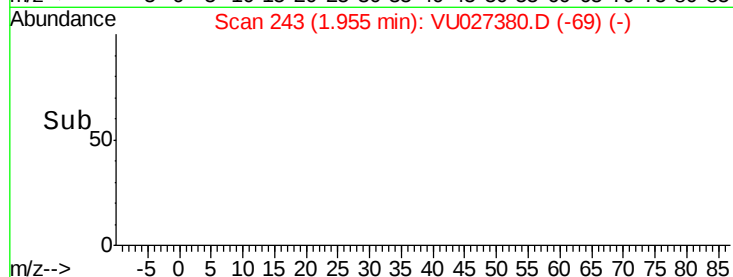
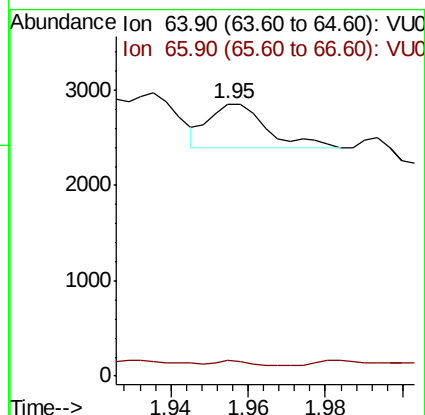
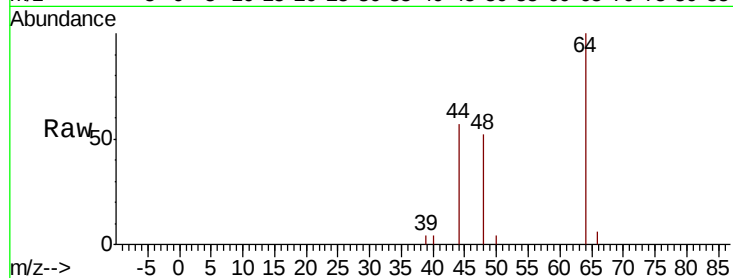




#6
Chloroethane
Concen: 0.456 ug/l
RT: 1.95 min Scan# 243
Delta R.T. 0.26 min
Lab File: VU027380.D
Acq: 04 Oct 2018 00:58

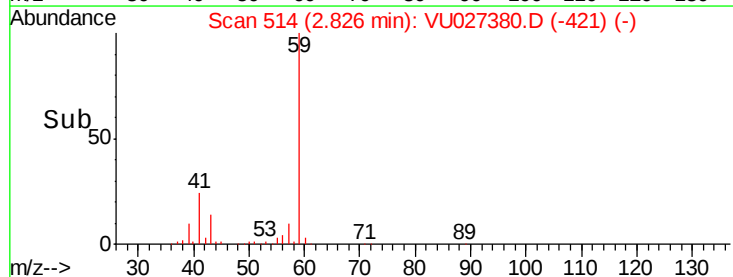
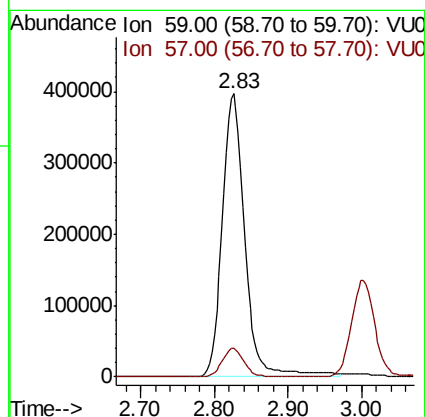
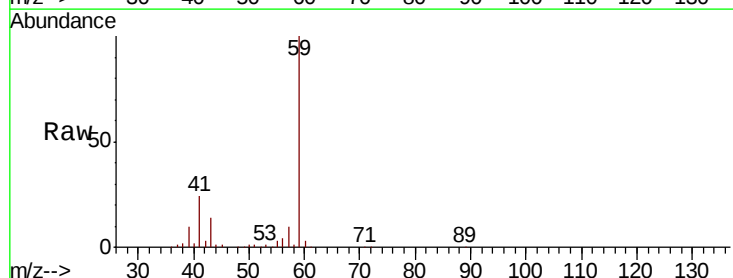
Instrument :
MSVOA_U
ClientSampled :

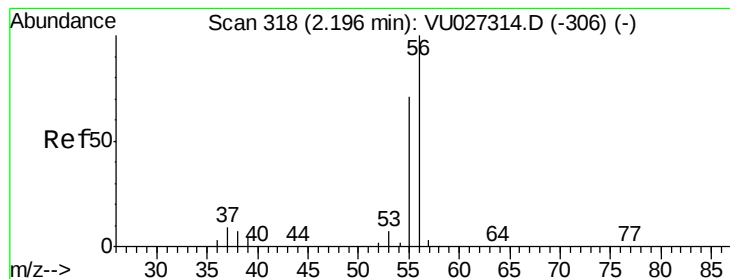
Tot Ion: 64 Resp: 463
Ion Ratio Lower Upper
64 100
66 5.3 24.6 36.8#



#11
Tert butyl alcohol
Concen: 2619.086 ug/l
RT: 2.83 min Scan# 514
Delta R.T. 0.00 min
Lab File: VU027380.D
Acq: 04 Oct 2018 00:58

Tgt Ion: 59 Resp: 848397
Ion Ratio Lower Upper
59 100
57 9.9 8.4 12.6





#13

Acrolein

Concen: 0.850 ug/l

RT: 2.31 min Scan# 353

Delta R.T. 0.11 min

Lab File: VU027380.D

Acq: 04 Oct 2018 00:58

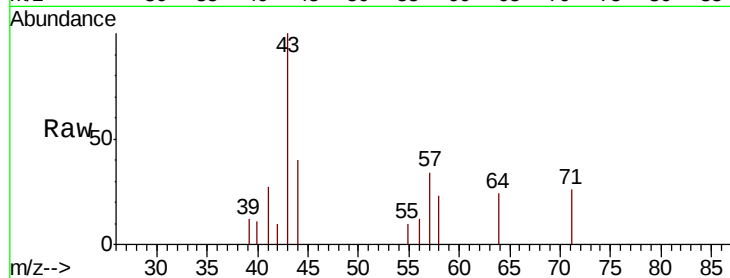
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 231

Ion Ratio Lower Upper

56 100

55 19.0 57.7 86.5#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.31

150

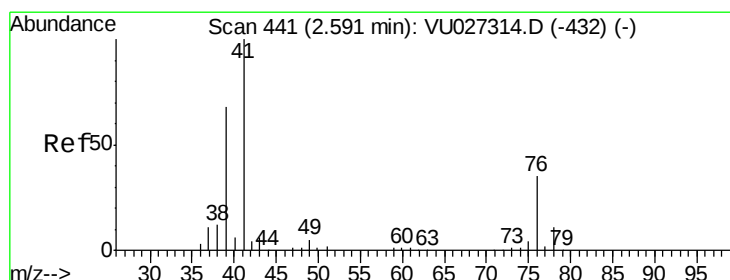
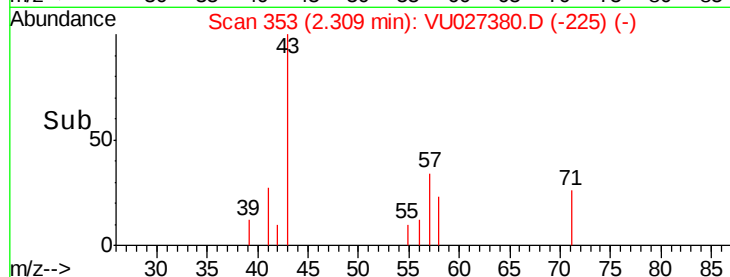
100

50

0

2.28 2.30 2.32

Time-->



#14

Allyl chloride

Concen: 86.375 ug/l

RT: 2.83 min Scan# 514

Delta R.T. 0.23 min

Lab File: VU027380.D

Acq: 04 Oct 2018 00:58

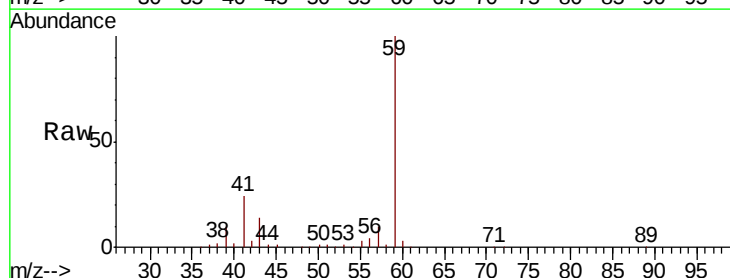
Tgt Ion: 41 Resp: 199585

Ion Ratio Lower Upper

41 100

39 40.5 51.8 77.8#

76 0.0 25.9 38.9#



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

120000

100000

80000

60000

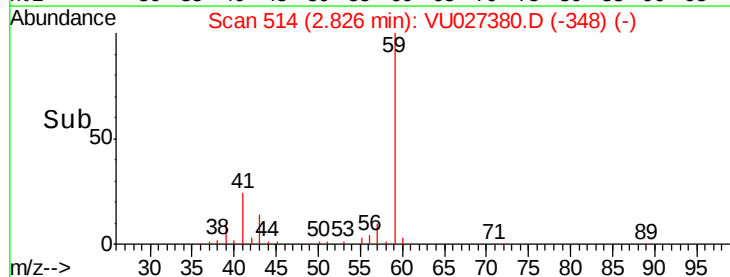
40000

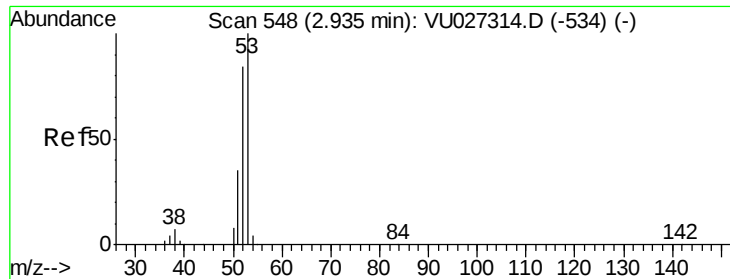
20000

0

2.75 2.80 2.85 2.90

Time-->





#15

Acrylonitrile

Concen: 16.696 ug/l

RT: 3.00 min Scan# 569

Delta R.T. 0.07 min

Lab File: VU027380.D

Acq: 04 Oct 2018 00:58

Instrument :

MSVOA_U

ClientSampleId :

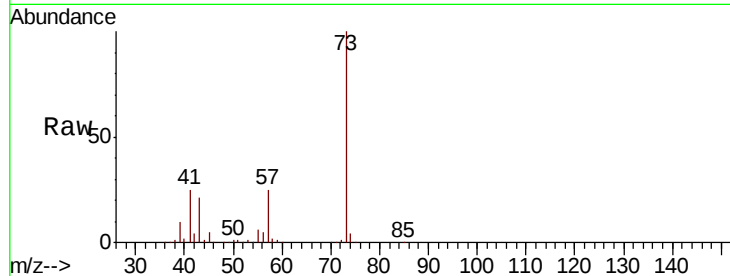
Tot Ion: 53 Resp: 14076

Ion Ratio Lower Upper

53 100

52 17.2 66.5 99.7#

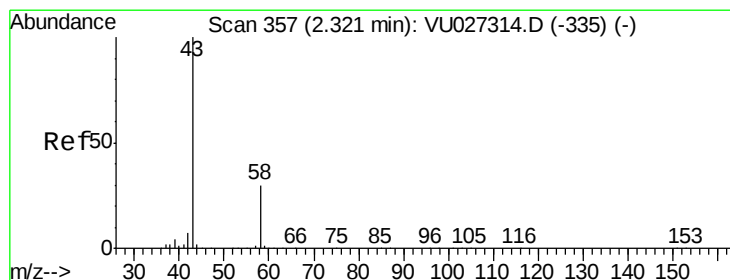
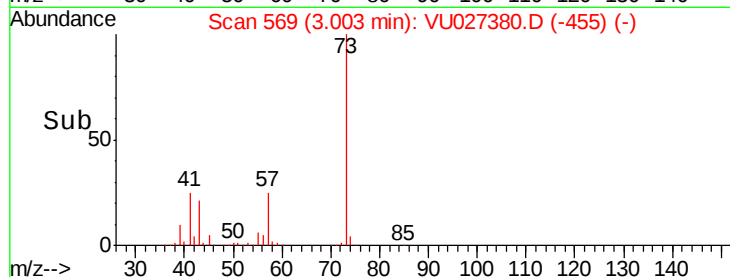
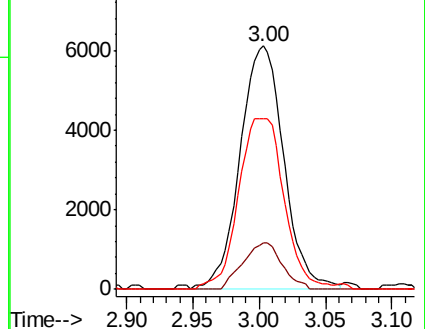
51 72.8 27.6 41.4#



Abundance Ion 53.00 (52.70 to 53.70): VU027380.D (-534) (-)

Ion 52.00 (51.70 to 52.70): VU027380.D (-534) (-)

Ion 51.00 (50.70 to 51.70): VU027380.D (-534) (-)



#16

Acetone

Concen: 6.058 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU027380.D

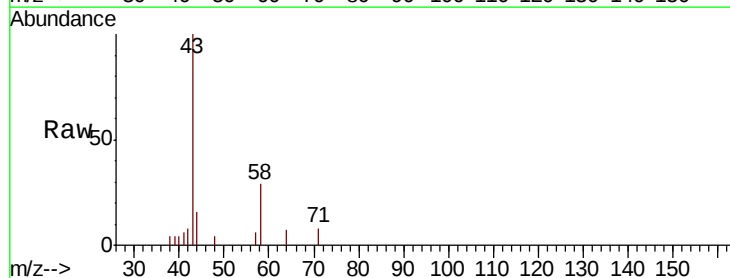
Acq: 04 Oct 2018 00:58

Tgt Ion: 43 Resp: 5505

Ion Ratio Lower Upper

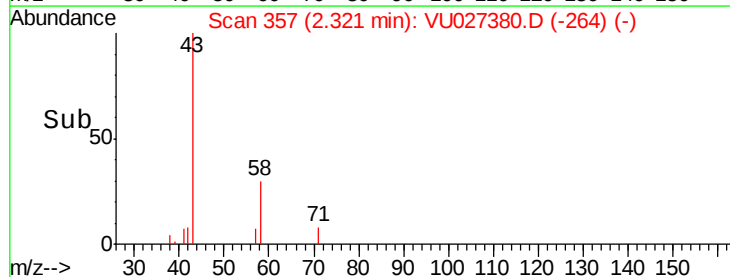
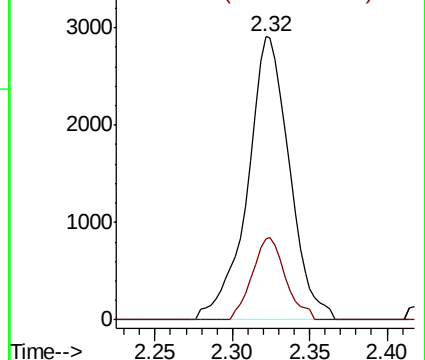
43 100

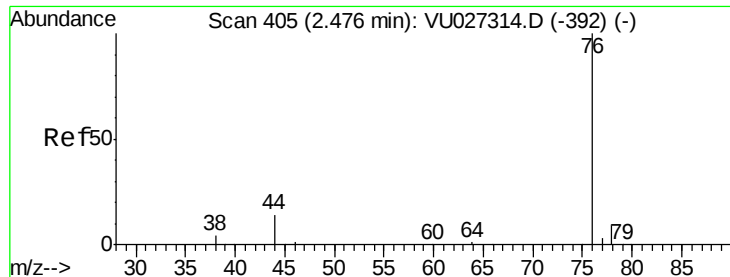
58 28.7 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VU027380.D (-264) (-)

Ion 58.00 (57.70 to 58.70): VU027380.D (-264) (-)

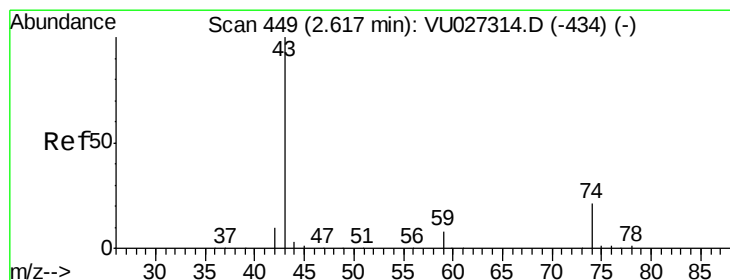
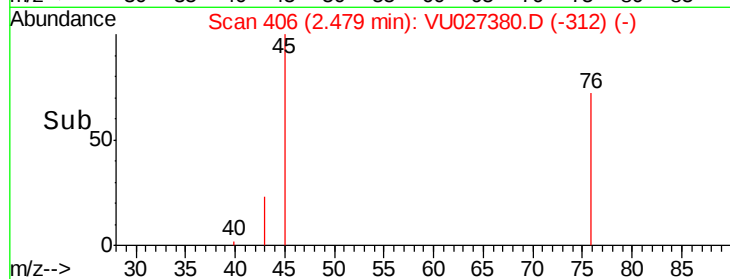
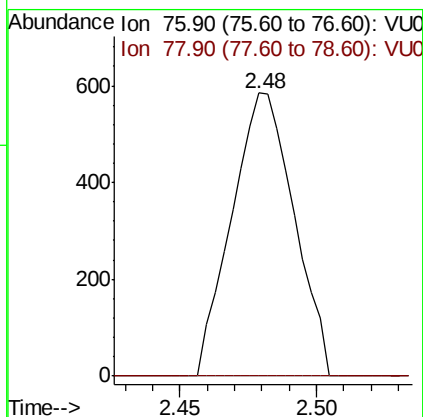
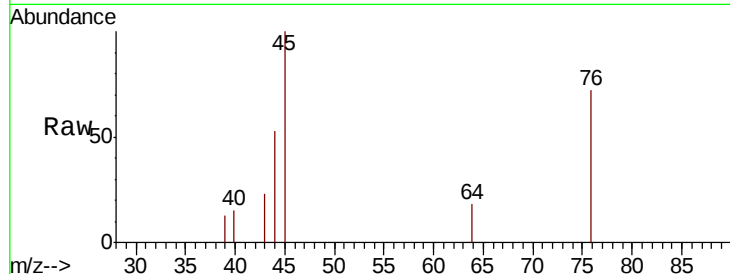




#17
Carbon Disulfide
Concen: 0.264 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.00 min
Lab File: VU027380.D
Acq: 04 Oct 2018 00:58

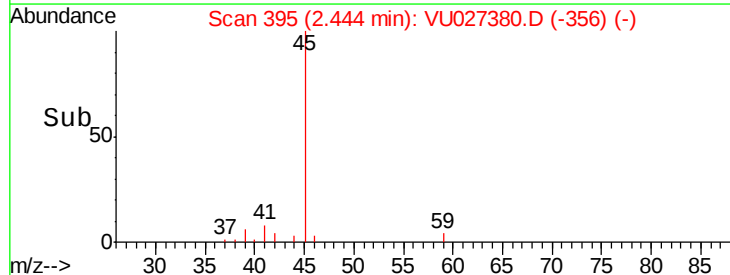
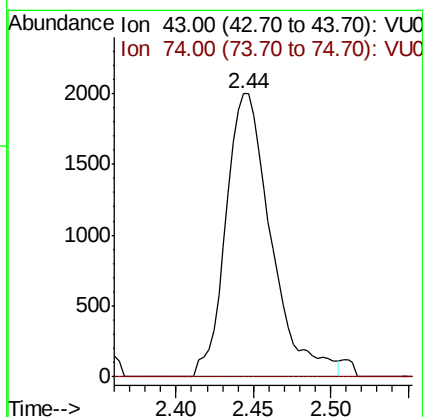
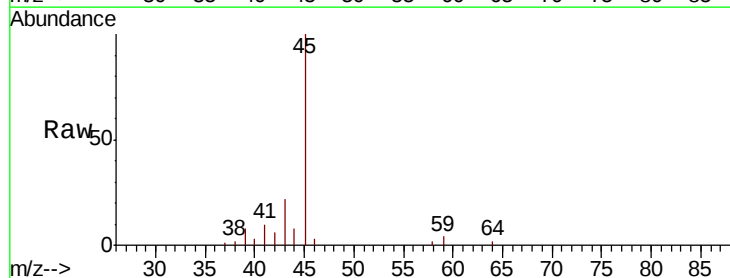
Instrument :
MSVOA_U
ClientSampled :

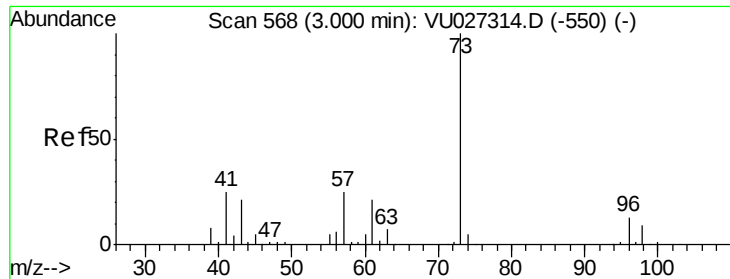
Tot Ion: 76 Resp: 925
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#18
Methyl Acetate
Concen: 1.956 ug/l
RT: 2.44 min Scan# 395
Delta R.T. -0.17 min
Lab File: VU027380.D
Acq: 04 Oct 2018 00:58

Tgt Ion: 43 Resp: 4055
Ion Ratio Lower Upper
43 100
74 0.0 16.5 24.7#



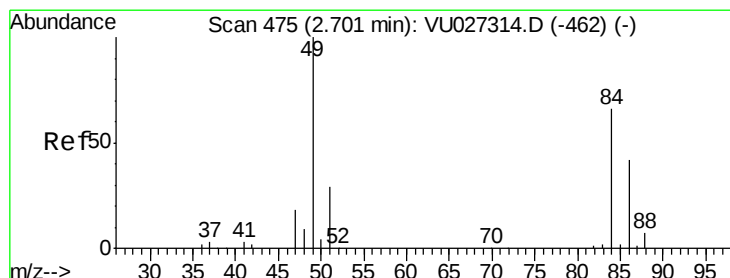
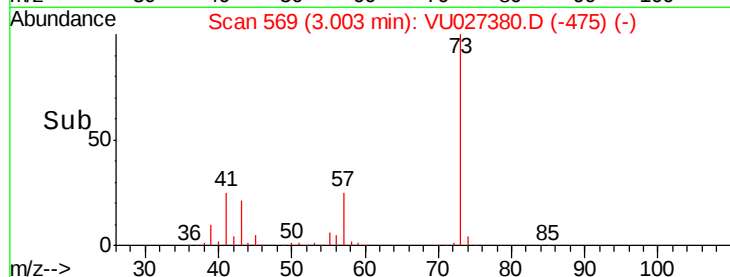
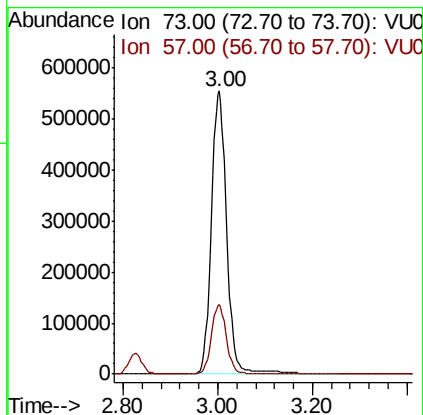
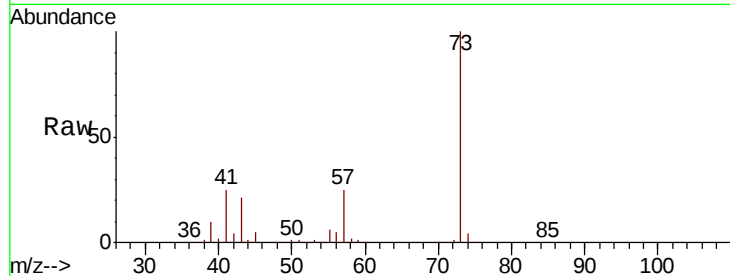


#19

Methyl tert-butyl Ether
 Concen: 319.193 ug/l
 RT: 3.00 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: VU027380.D
 Acq: 04 Oct 2018 00:58

Instrument :
 MSVOA_U
 ClientSampled :

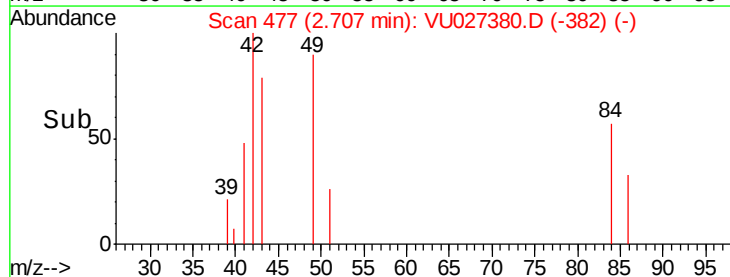
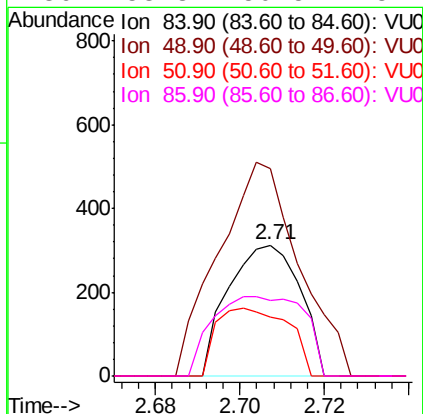
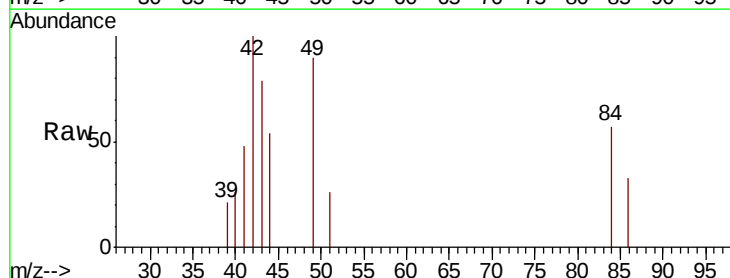
Tot Ion: 73 Resp: 1244501
 Ion Ratio Lower Upper
 73 100
 57 24.5 20.0 30.0

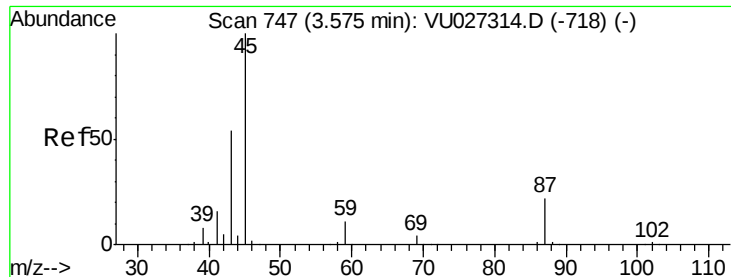


#20

Methylene Chloride
 Concen: 0.290 ug/l
 RT: 2.71 min Scan# 477
 Delta R.T. 0.01 min
 Lab File: VU027380.D
 Acq: 04 Oct 2018 00:58

Tgt Ion: 84 Resp: 367
 Ion Ratio Lower Upper
 84 100
 49 125.6 120.5 180.7
 51 44.9 35.1 52.7
 86 58.3 50.5 75.7





#22

Diisopropyl ether

Concen: 0.500 ug/l

RT: 3.58 min Scan# 747

Delta R.T. 0.00 min

Lab File: VU027380.D

Acq: 04 Oct 2018 00:58

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 45 Resp: 2349

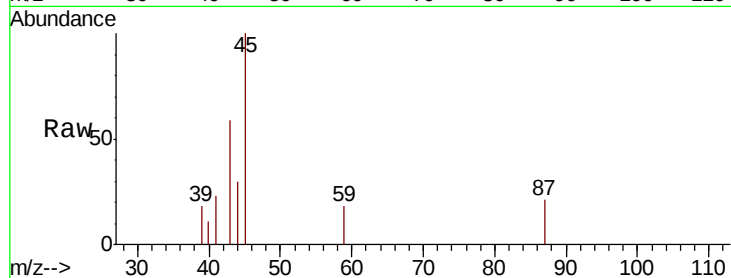
Ion Ratio Lower Upper

45 100

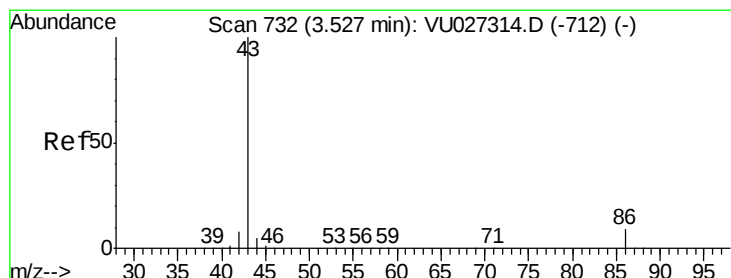
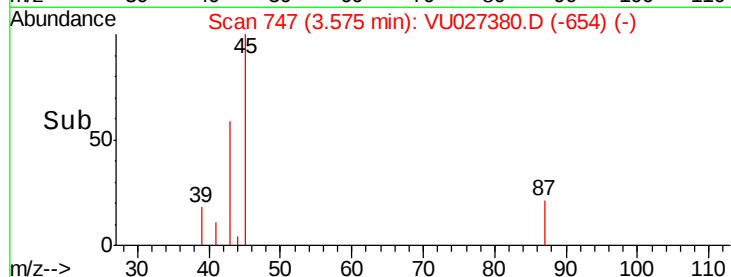
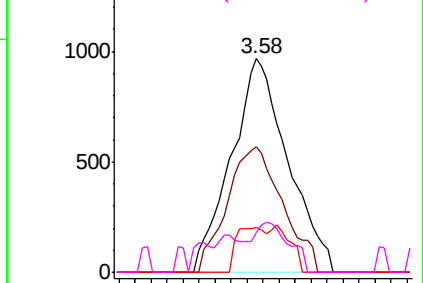
43 58.6 43.4 65.2

87 21.1 17.5 26.3

59 18.5 8.6 13.0#



Abundance Ion 45.00 (44.70 to 45.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 59.00 (58.70 to 59.70): VU0



#23

Vinyl Acetate

Concen: 0.327 ug/l

RT: 3.58 min Scan# 747

Delta R.T. 0.05 min

Lab File: VU027380.D

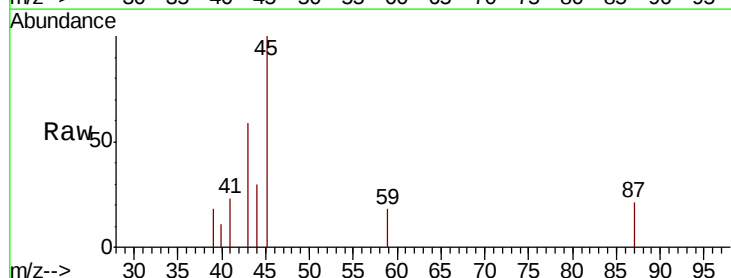
Acq: 04 Oct 2018 00:58

Tgt Ion: 43 Resp: 1340

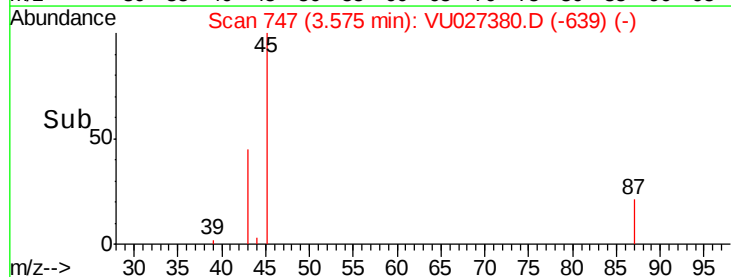
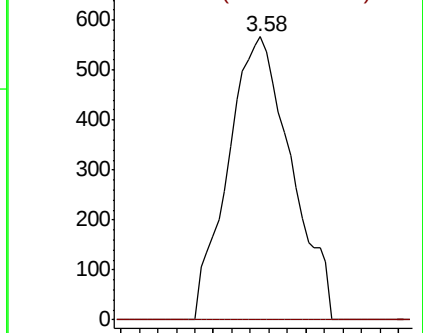
Ion Ratio Lower Upper

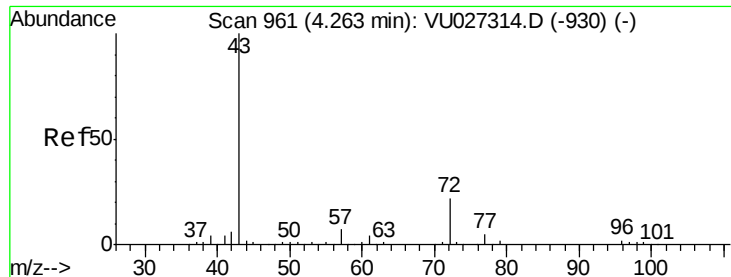
43 100

86 0.0 7.0 10.4#



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 86.00 (85.70 to 86.70): VU0

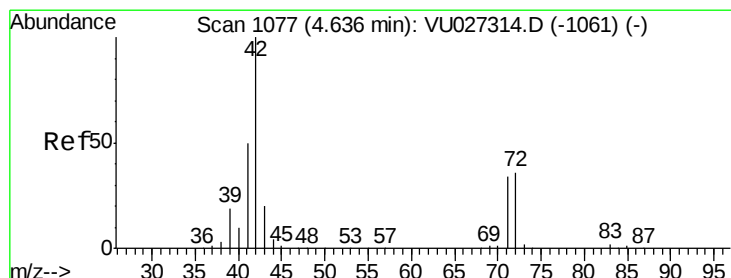
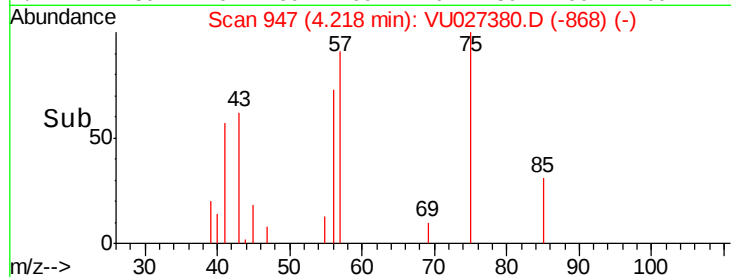
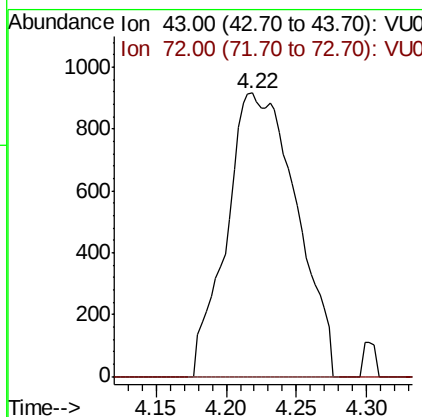
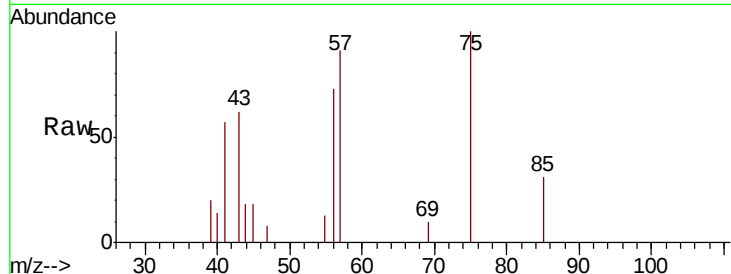




#25
 2-Butanone
 Concen: 2.552 ug/l
 RT: 4.22 min Scan# 947
 Delta R.T. -0.04 min
 Lab File: VU027380.D
 Acq: 04 Oct 2018 00:58

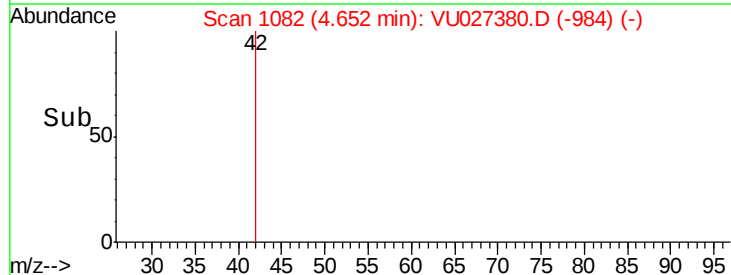
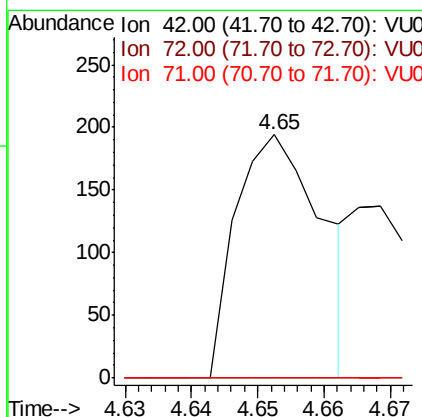
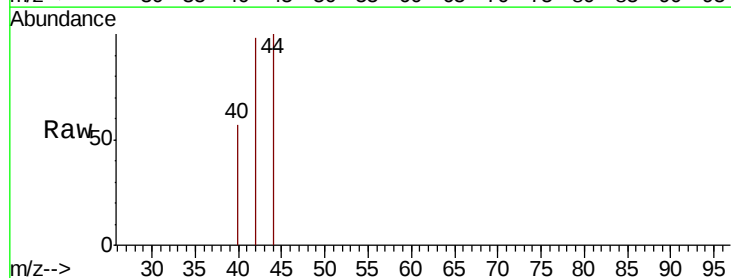
Instrument :
 MSVOA_U
 ClientSampled :

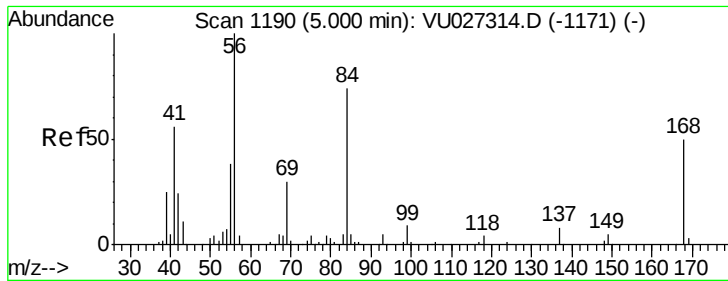
Tot Ion: 43 Resp: 3162
 Ion Ratio Lower Upper
 43 100
 72 0.0 17.8 26.6#



#29
 Tetrahydrofuran
 Concen: 0.225 ug/l
 RT: 4.65 min Scan# 1082
 Delta R.T. 0.02 min
 Lab File: VU027380.D
 Acq: 04 Oct 2018 00:58

Tgt Ion: 42 Resp: 176
 Ion Ratio Lower Upper
 42 100
 72 0.0 30.1 45.1#
 71 0.0 27.7 41.5#

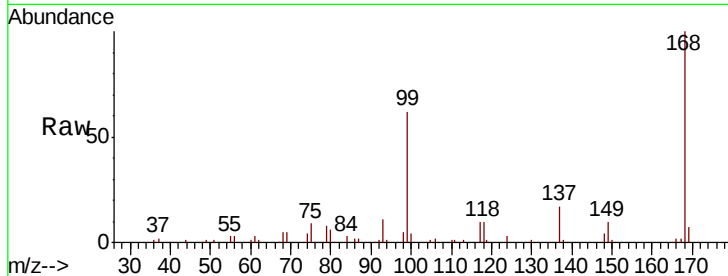




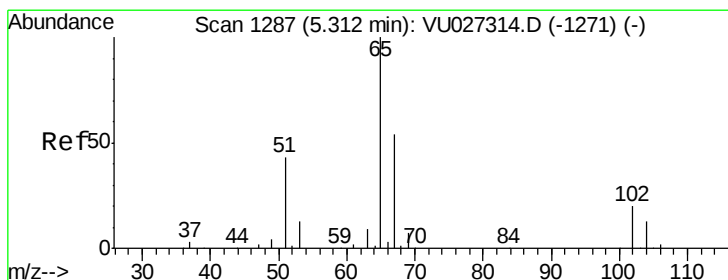
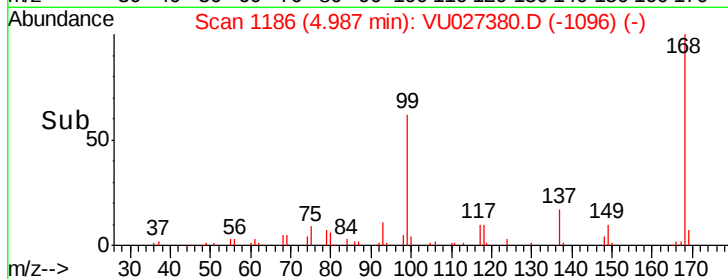
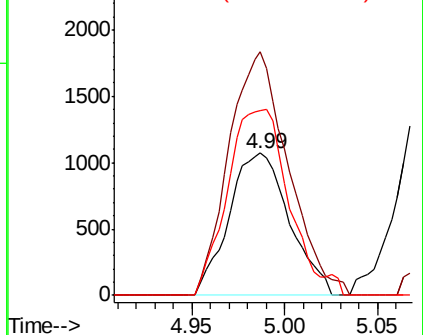
#31
Cyclohexane
Concen: 0.751 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU027380.D
Acq: 04 Oct 2018 00:58

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 2432
Ion Ratio Lower Upper
56 100
69 171.0 24.1 36.1#
84 130.2 59.1 88.7#

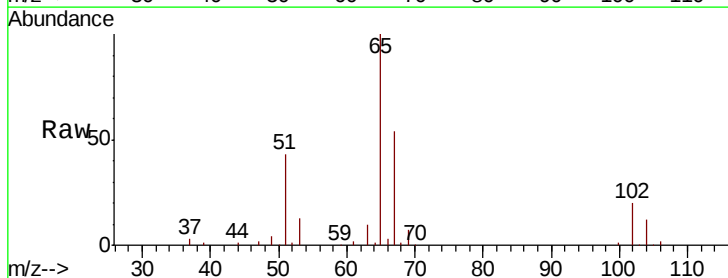


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

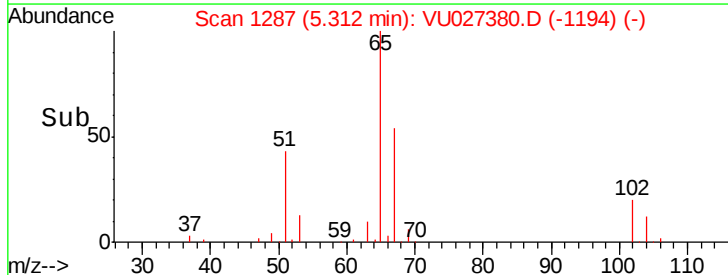
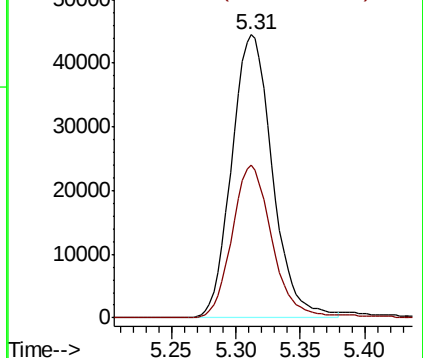


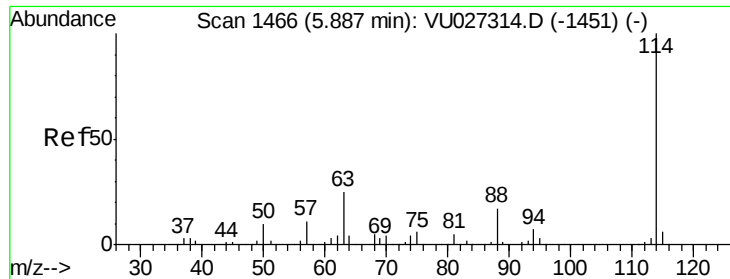
#33
1,2-Dichloroethane-d4
Concen: 63.622 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027380.D
Acq: 04 Oct 2018 00:58

Tgt Ion: 65 Resp: 97866
Ion Ratio Lower Upper
65 100
67 52.4 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

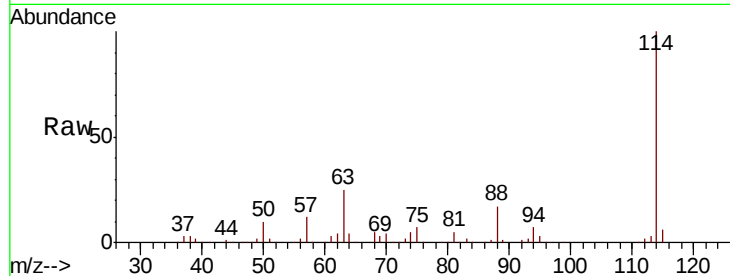




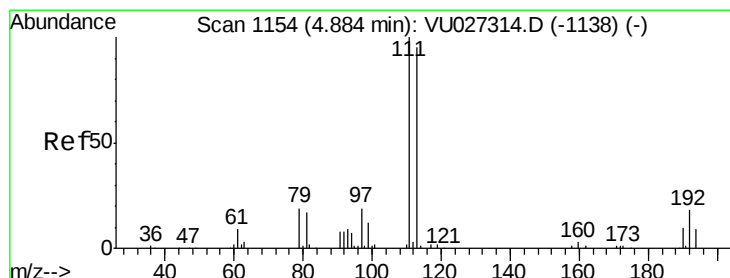
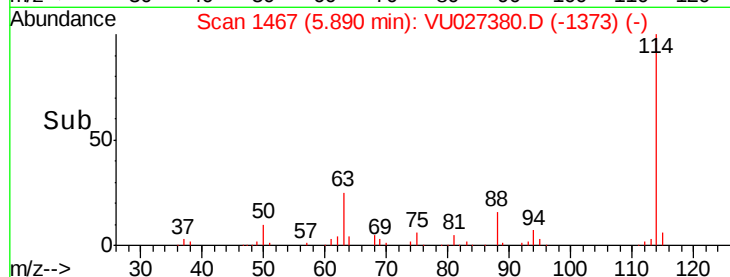
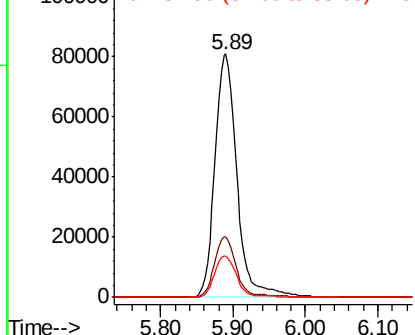
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027380.D
 Acq: 04 Oct 2018 00:58

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:114 Resp: 170977
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 50.2
 88 17.0 0.0 33.8

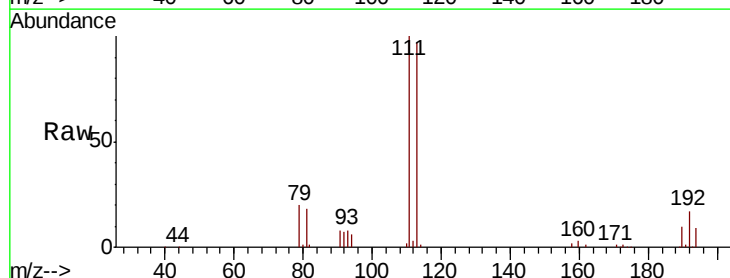


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

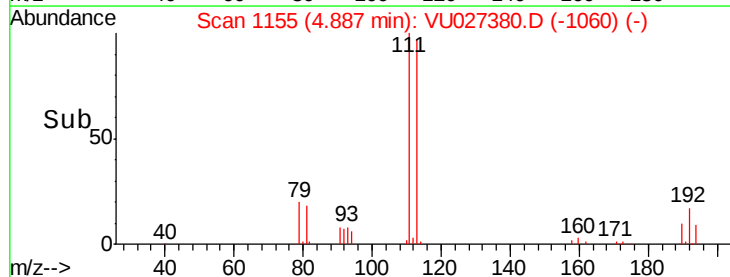
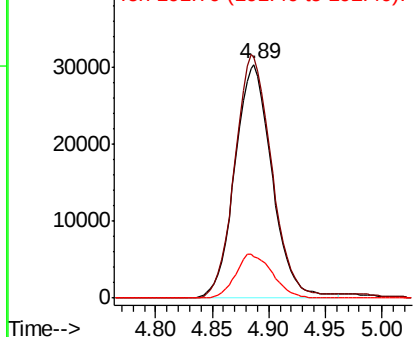


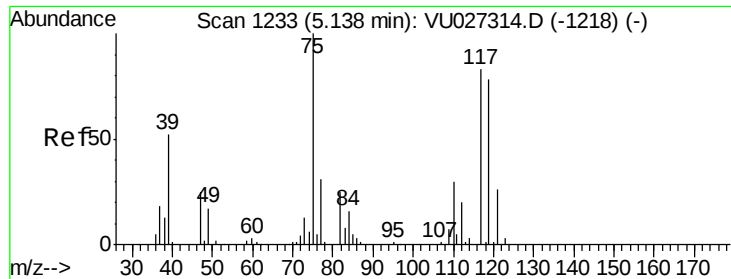
#35
 Dibromofluoromethane
 Concen: 59.205 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027380.D
 Acq: 04 Oct 2018 00:58

Tgt Ion:113 Resp: 69374
 Ion Ratio Lower Upper
 113 100
 111 103.5 83.1 124.7
 192 18.5 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

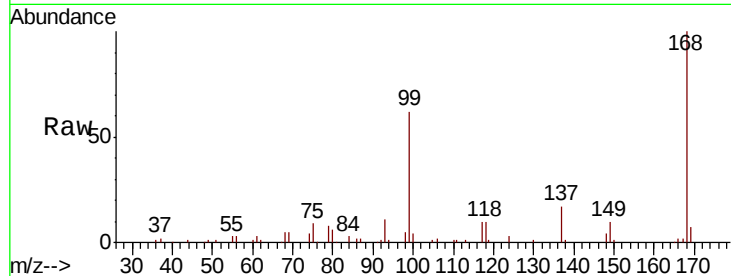




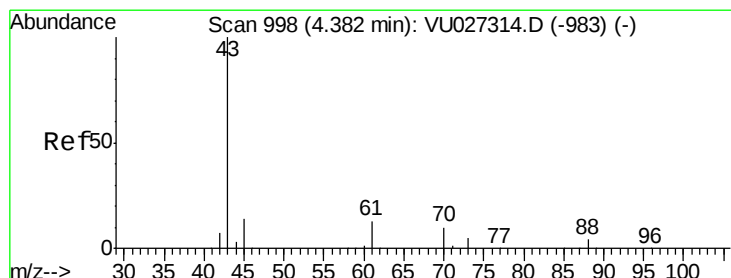
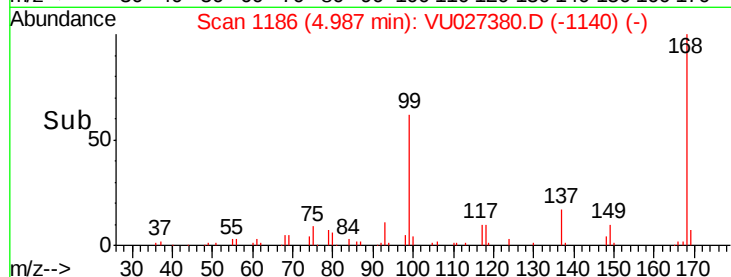
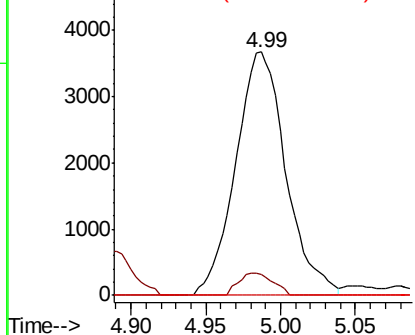
#36
 1,1-Dichloropropene
 Concen: 4.624 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027380.D
 Acq: 04 Oct 2018 00:58

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	6.2	15.5	46.5#
77	0.0	25.4	38.0#

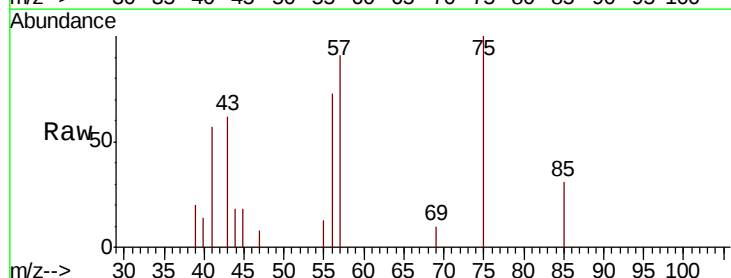


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): VU0
 Ion 76.90 (76.60 to 77.60): VU0

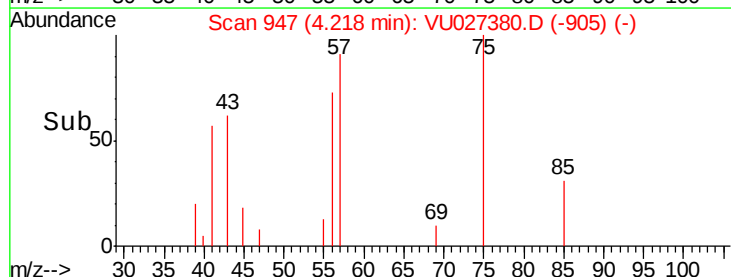
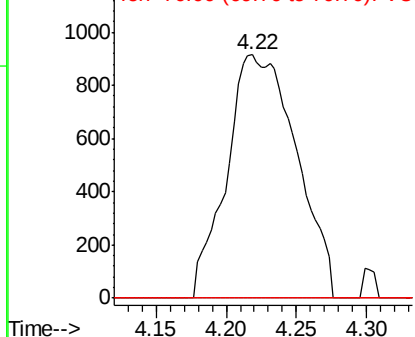


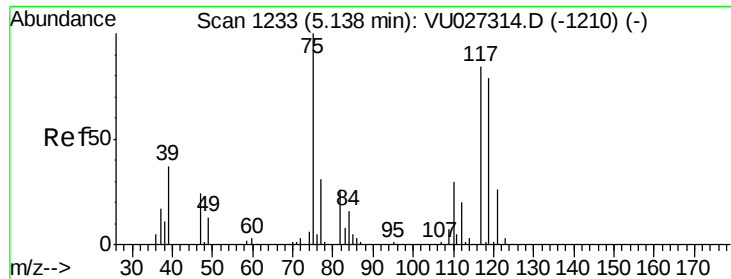
#37
 Ethyl Acetate
 Concen: 1.318 ug/l
 RT: 4.22 min Scan# 947
 Delta R.T. -0.16 min
 Lab File: VU027380.D
 Acq: 04 Oct 2018 00:58

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.7	16.1#
70	0.0	7.4	11.2#



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 70.00 (69.70 to 70.70): VU0

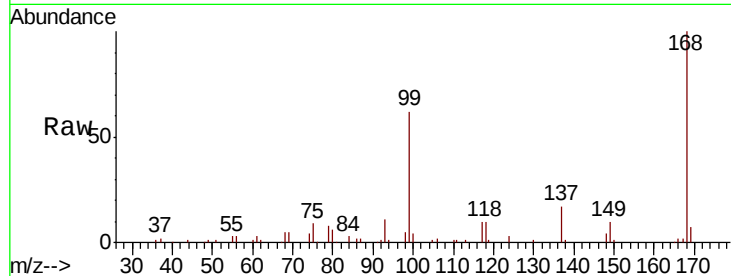




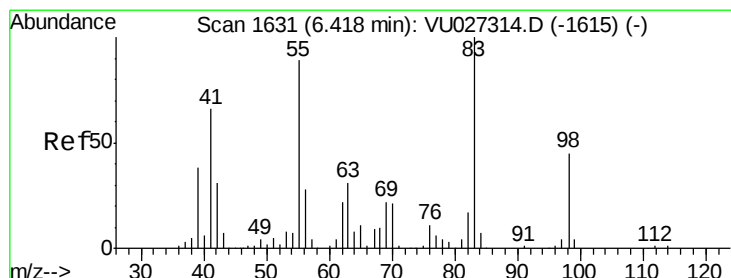
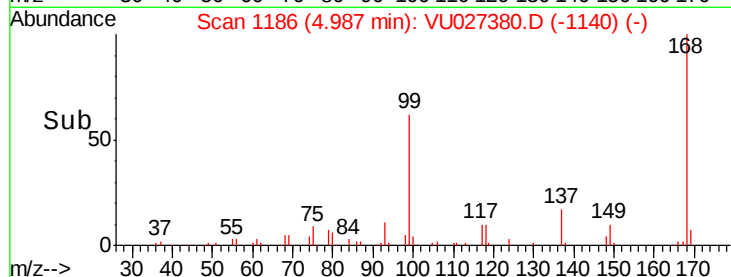
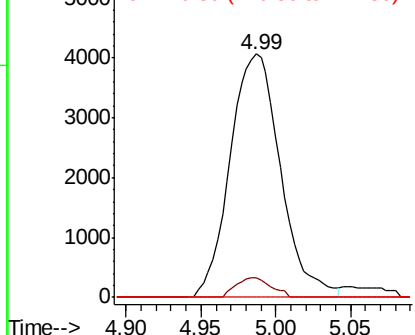
#38
Carbon Tetrachloride
Concen: 5.681 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.15 min
Lab File: VU027380.D
Acq: 04 Oct 2018 00:58

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 9527
Ion Ratio Lower Upper
117 100
119 8.0 74.5 111.7#
121 0.0 24.6 37.0#

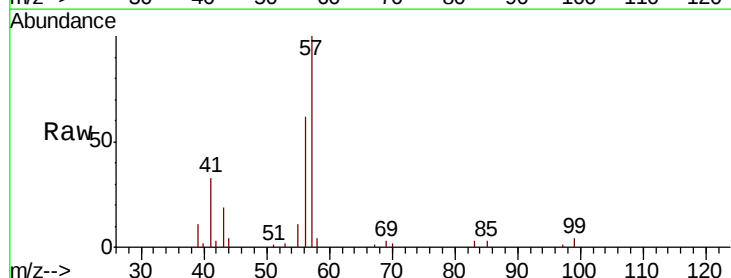


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

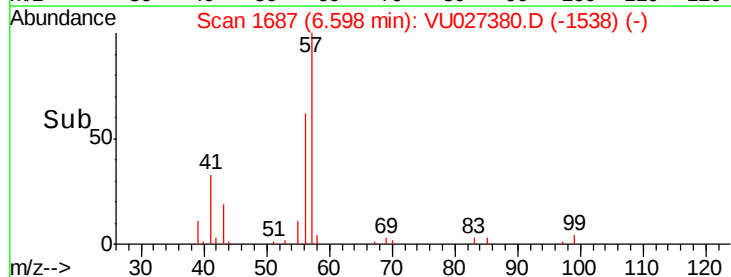
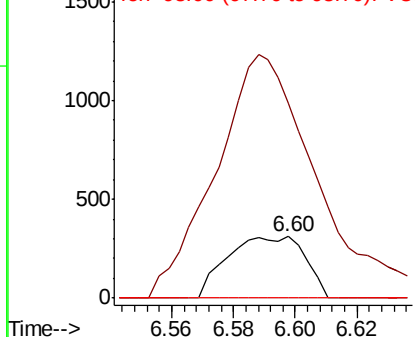


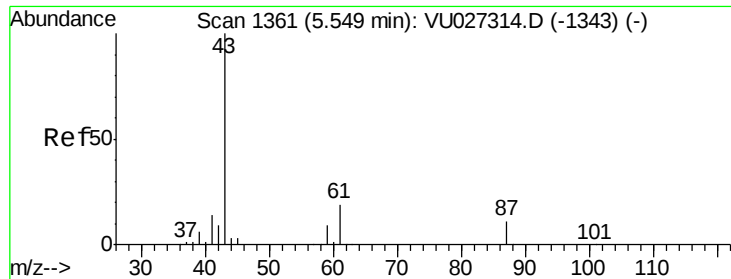
#39
Methylcyclohexane
Concen: 0.249 ug/l
RT: 6.60 min Scan# 1687
Delta R.T. 0.18 min
Lab File: VU027380.D
Acq: 04 Oct 2018 00:58

Tgt Ion: 83 Resp: 540
Ion Ratio Lower Upper
83 100
55 210.0 71.1 106.7#
98 0.0 36.3 54.5#



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0





#43

Isopropyl Acetate

Concen: 18.793 ug/l

RT: 5.54 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VU027380.D

Acq: 04 Oct 2018 00:58

Instrument :

MSVOA_U

ClientSampleId :

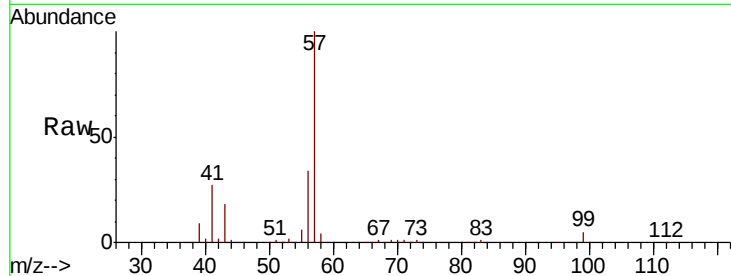
Tot Ion: 43 Resp: 70028

Ion Ratio Lower Upper

43 100

61 0.0 15.3 22.9#

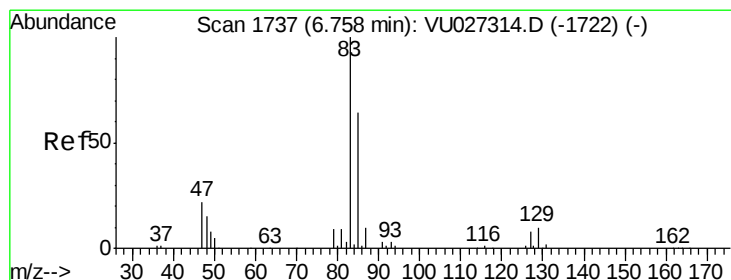
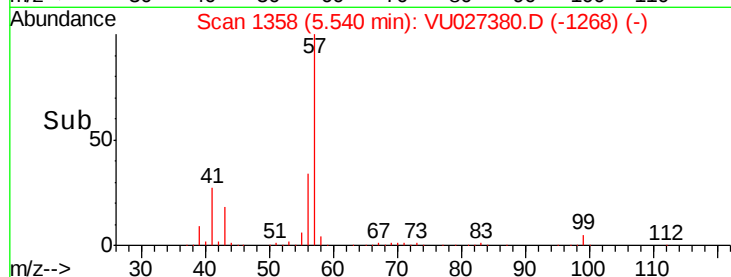
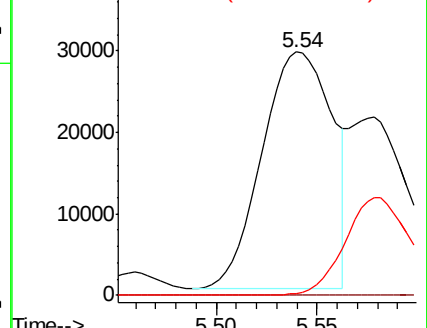
87 0.0 8.6 13.0#



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



#47

Bromodichloromethane

Concen: 0.295 ug/l

RT: 6.60 min Scan# 1687

Delta R.T. -0.16 min

Lab File: VU027380.D

Acq: 04 Oct 2018 00:58

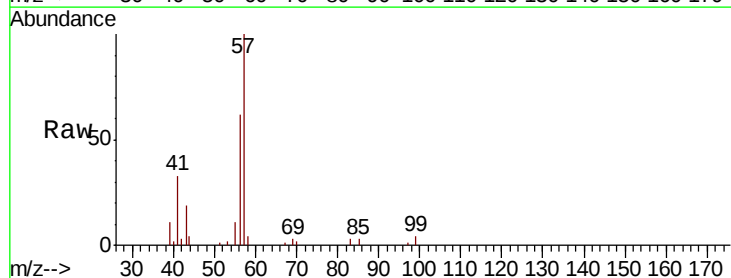
Tgt Ion: 83 Resp: 540

Ion Ratio Lower Upper

83 100

85 90.7 51.4 77.0#

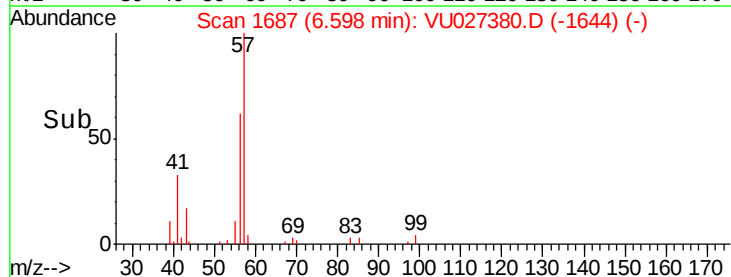
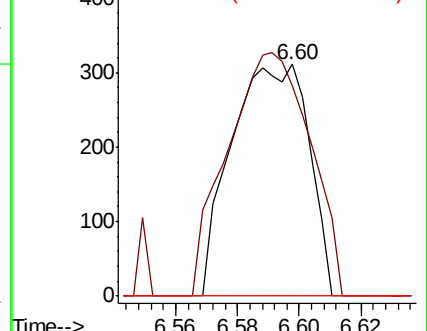
127 0.0 6.3 9.5#

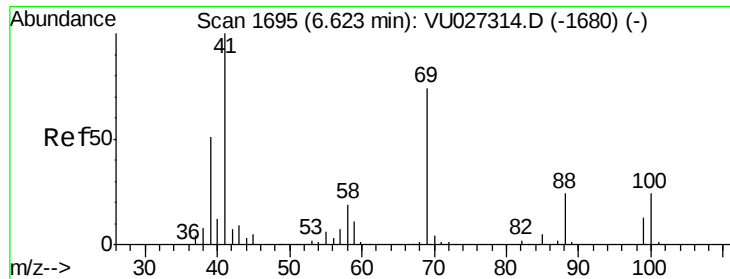


Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 126.80 (126.50 to 127.50): V

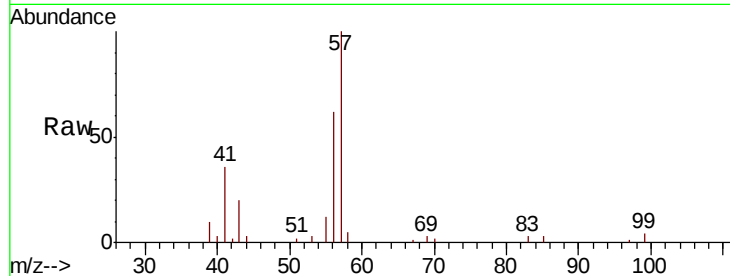




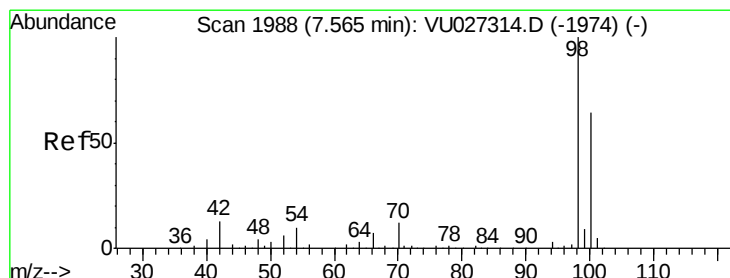
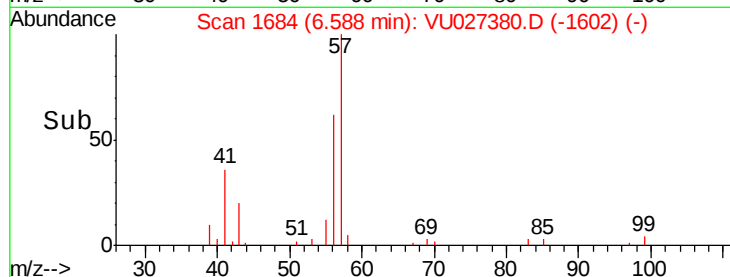
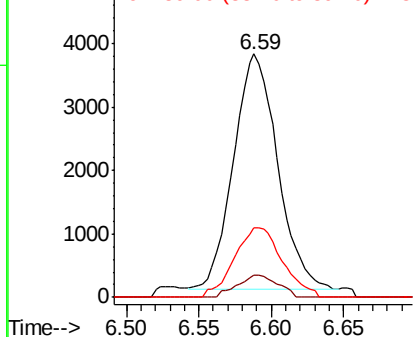
#48
Methvl methacrylate
Concen: 4.221 ug/l
RT: 6.59 min Scan# 1684
Delta R.T. -0.04 min
Lab File: VU027380.D
Acq: 04 Oct 2018 00:58

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 41 Resp: 7822
Ion Ratio Lower Upper
41 100
69 8.6 61.0 91.4#
39 32.2 39.9 59.9#

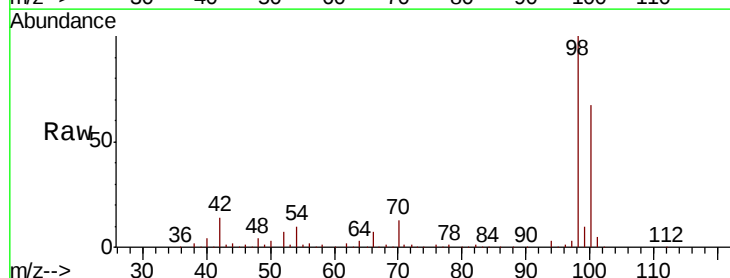


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

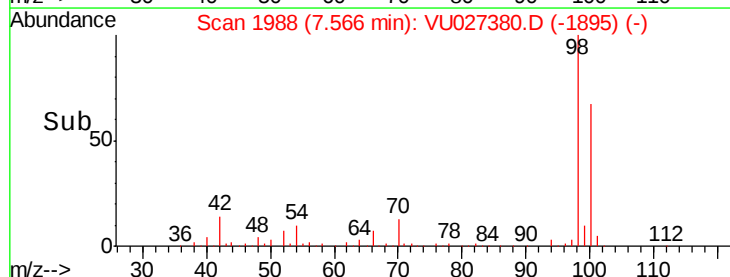
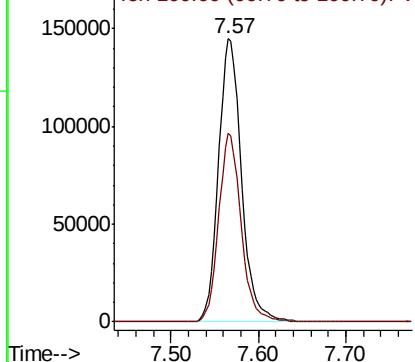


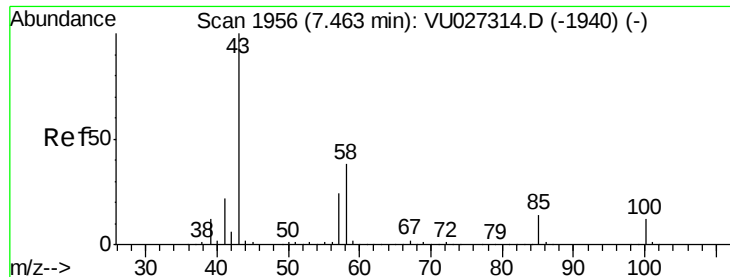
#50
Toluene-d8
Concen: 60.461 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027380.D
Acq: 04 Oct 2018 00:58

Tgt Ion: 98 Resp: 265152
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 0.999 ug/l

RT: 7.43 min Scan# 1946

Delta R.T. -0.03 min

Lab File: VU027380.D

Acq: 04 Oct 2018 00:58

Instrument :

MSVOA_U

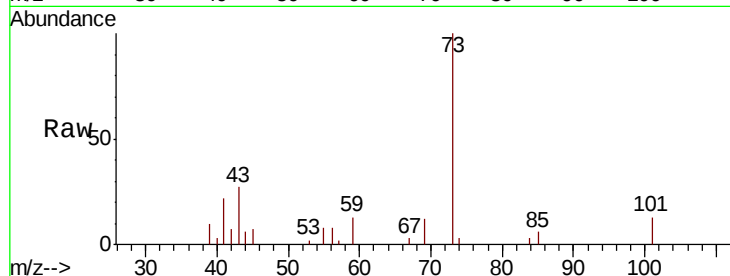
ClientSampleId :

Tot Ion: 43 Resp: 2420

Ion Ratio Lower Upper

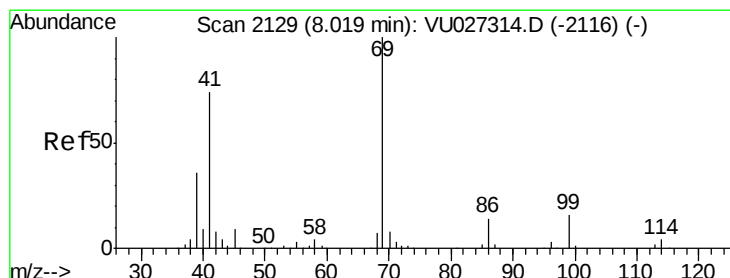
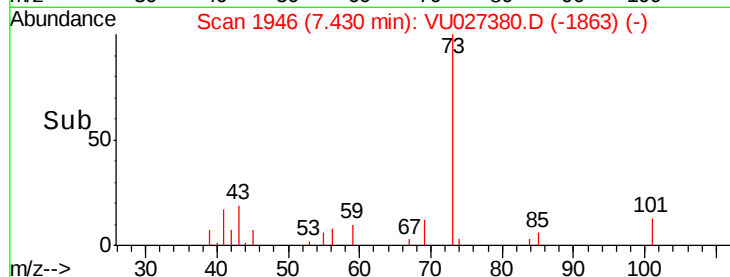
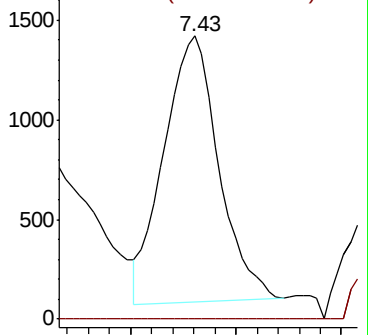
43 100

58 0.0 29.8 44.8#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#56

Ethyl methacrylate

Concen: 2.297 ug/l

RT: 7.92 min Scan# 2097

Delta R.T. -0.10 min

Lab File: VU027380.D

Acq: 04 Oct 2018 00:58

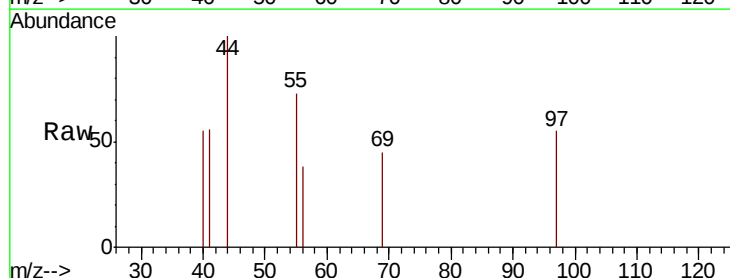
Tgt Ion: 69 Resp: 65

Ion Ratio Lower Upper

69 100

41 193.8 60.0 90.0#

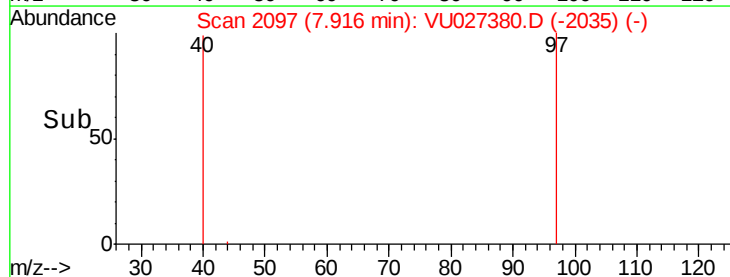
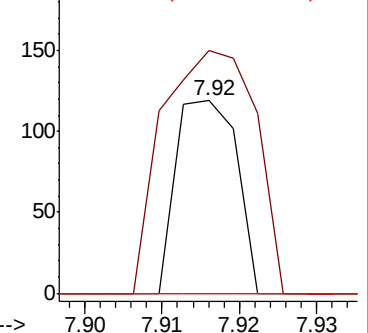
39 0.0 29.5 44.3#

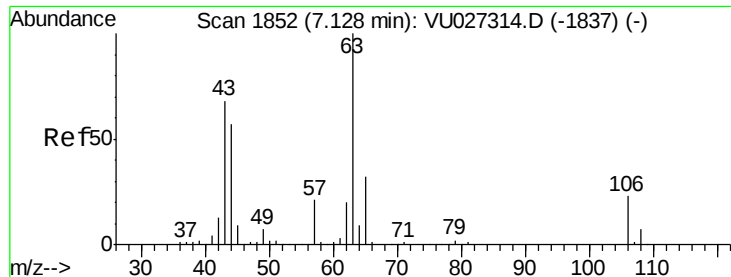


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

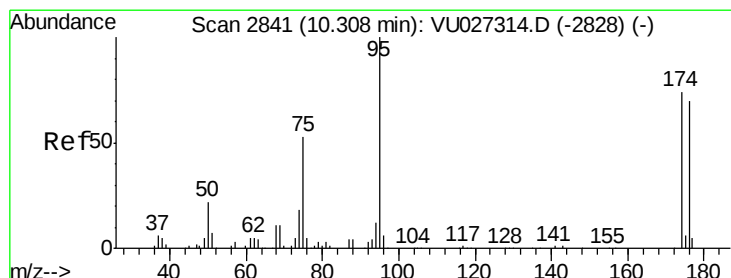
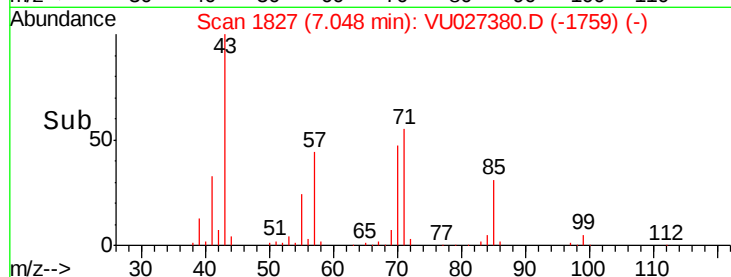
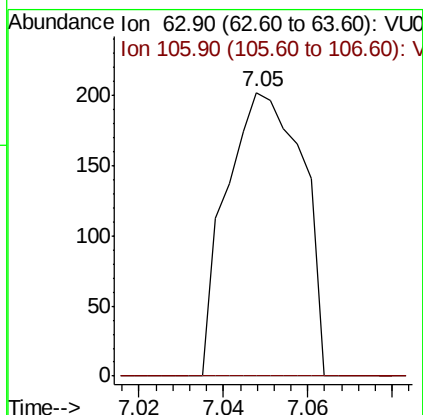
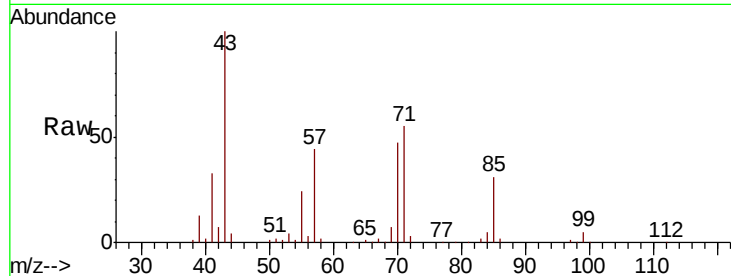




#58
 2-Chloroethyl Vinyl ether
 Concen: 8.413 ug/l
 RT: 7.05 min Scan# 1827
 Delta R.T. -0.08 min
 Lab File: VU027380.D
 Acq: 04 Oct 2018 00:58

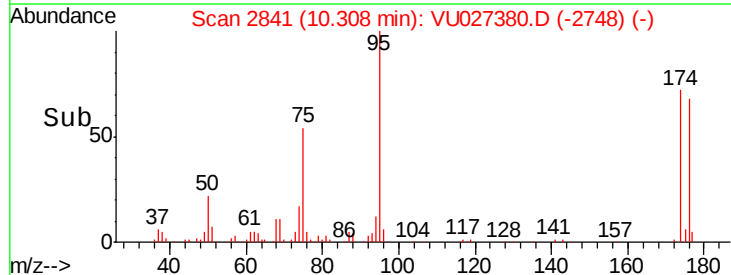
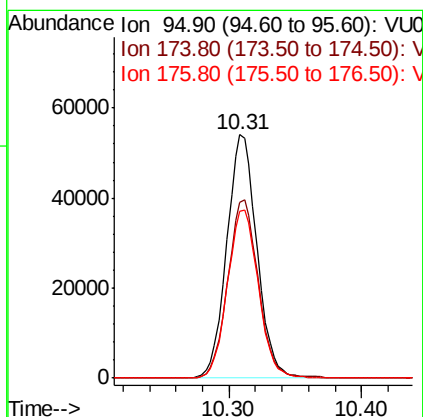
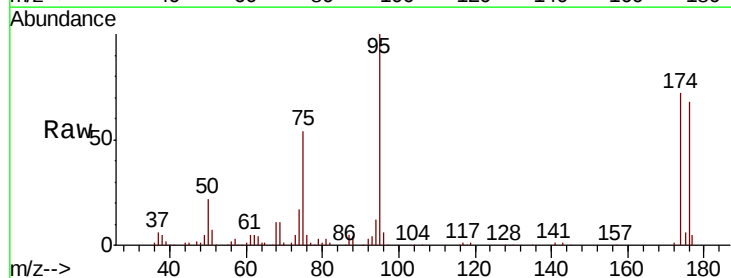
Instrument :
 MSVOA_U
 ClientSampleId :

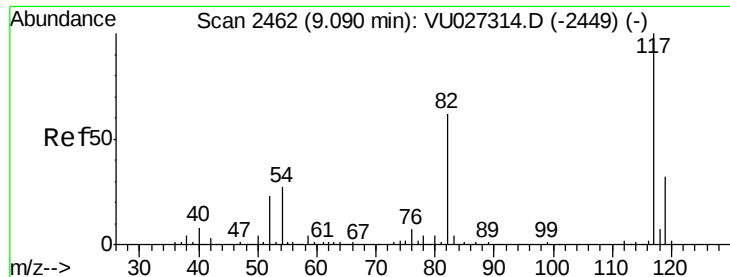
Tot Ion: 63 Resp: 252
 Ion Ratio Lower Upper
 63 100
 106 0.0 18.5 27.7#



#62
 4-Bromofluorobenzene
 Concen: 52.458 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027380.D
 Acq: 04 Oct 2018 00:58

Tgt Ion: 95 Resp: 85498
 Ion Ratio Lower Upper
 95 100
 174 74.1 0.0 147.8
 176 70.7 0.0 140.8

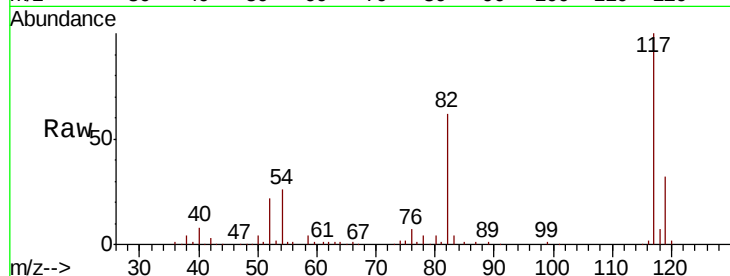




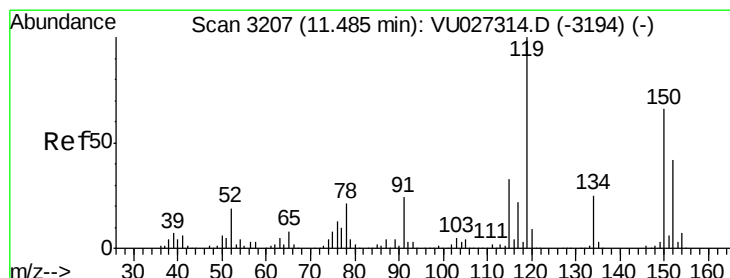
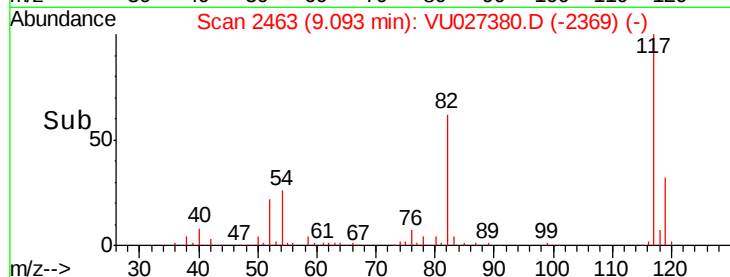
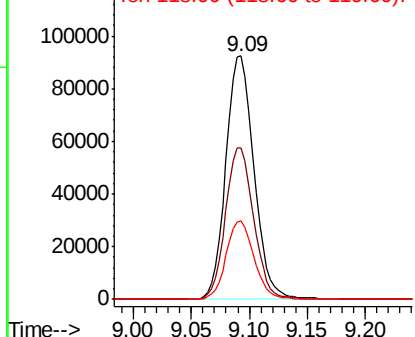
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027380.D
Acq: 04 Oct 2018 00:58

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 156418
Ion Ratio Lower Upper
117 100
82 62.4 49.2 73.8
119 32.0 25.7 38.5

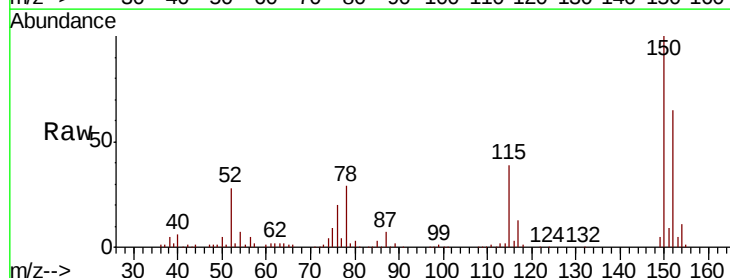


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

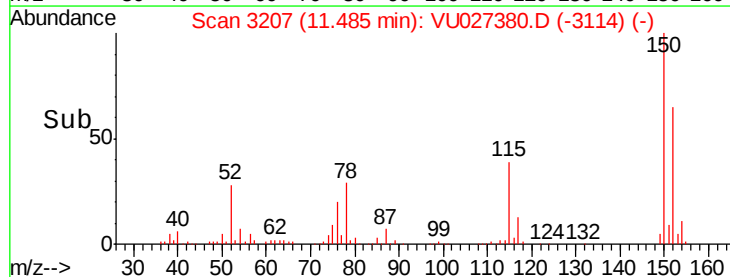
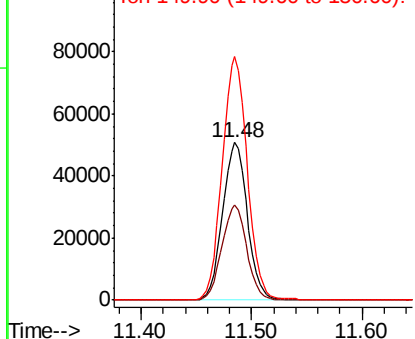


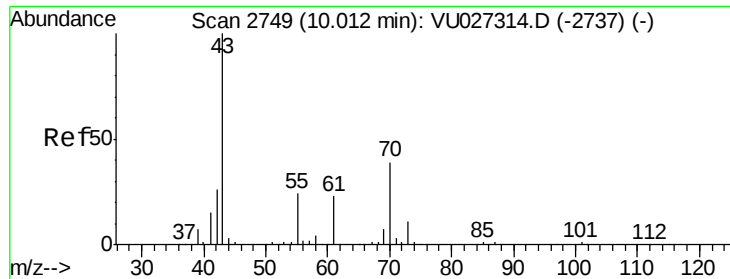
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027380.D
Acq: 04 Oct 2018 00:58

Tgt Ion:152 Resp: 79147
Ion Ratio Lower Upper
152 100
115 60.6 43.4 130.2
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: 0.211 ug/l

RT: 10.07 min Scan# 2767

Delta R.T. 0.06 min

Lab File: VU027380.D

Acq: 04 Oct 2018 00:58

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 43 Resp: 693

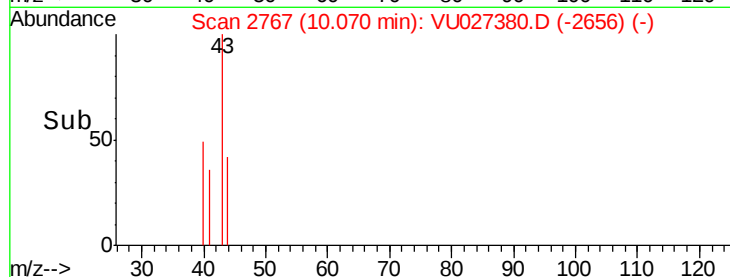
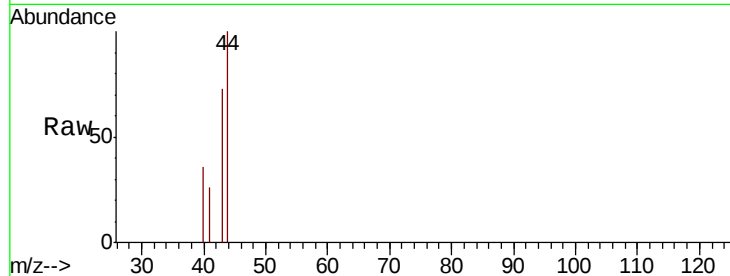
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.0 28.6#

61 0.0 18.5 27.7#

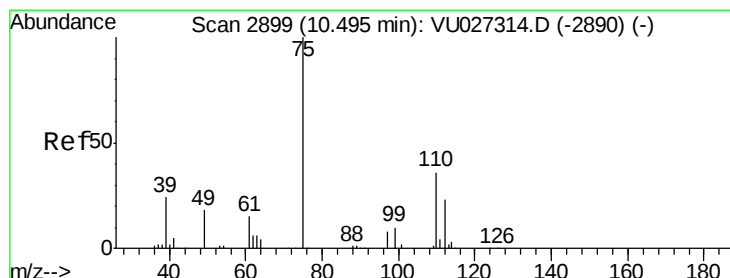
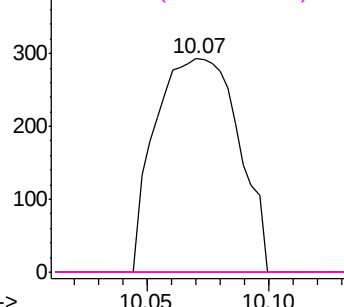


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0



#76

1,2,3-Trichloropropane

Concen: 22.577 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027380.D

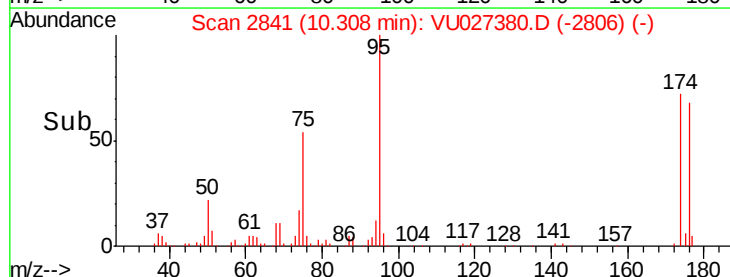
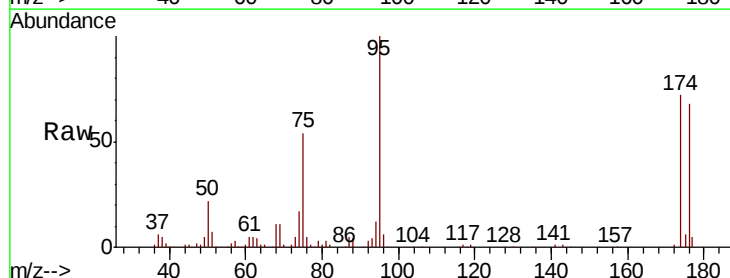
Acq: 04 Oct 2018 00:58

Tgt Ion: 75 Resp: 46320

Ion Ratio Lower Upper

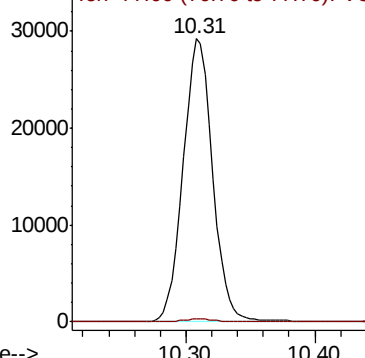
75 100

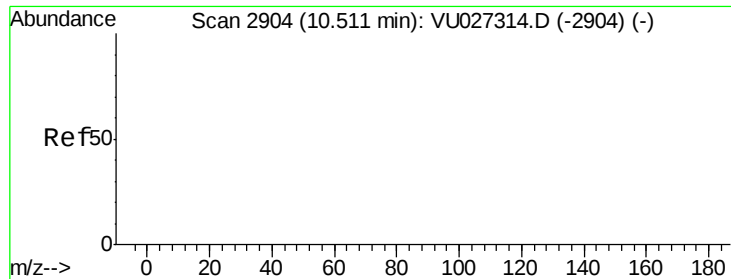
77 1.1 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#81

trans-1,4-Dichloro-2-butene

Concen: 59.086 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU027380.D

Acq: 04 Oct 2018 00:58

Instrument :

MSVOA_U

ClientSampleId :

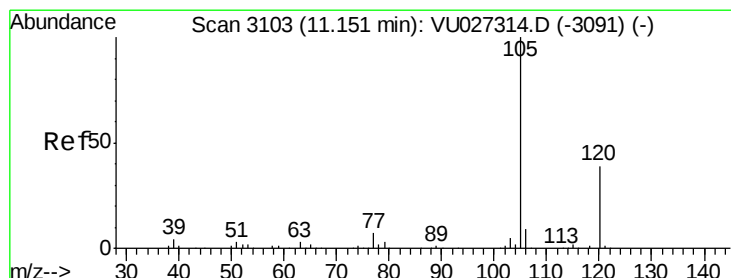
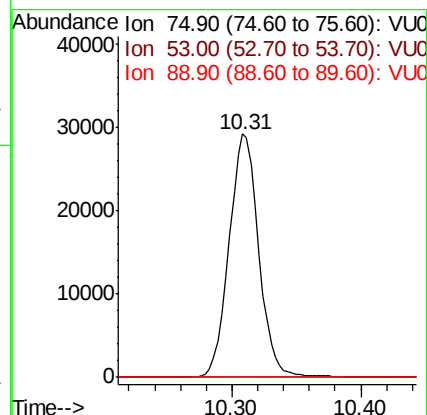
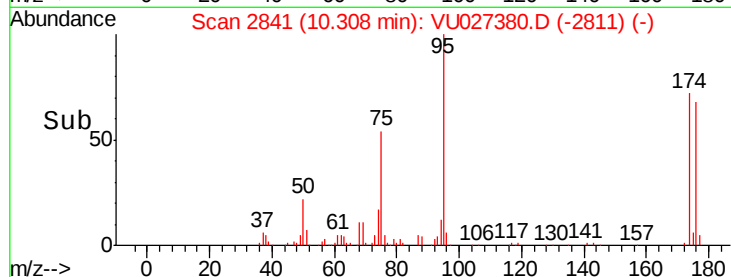
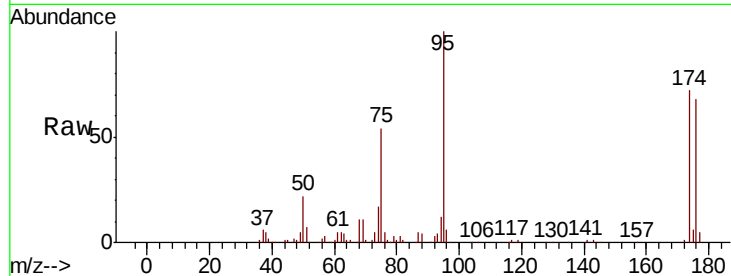
Tot Ion: 75 Resp: 46320

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#84

1,2,4-Trimethylbenzene

Concen: 2.032 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.17 min

Lab File: VU027380.D

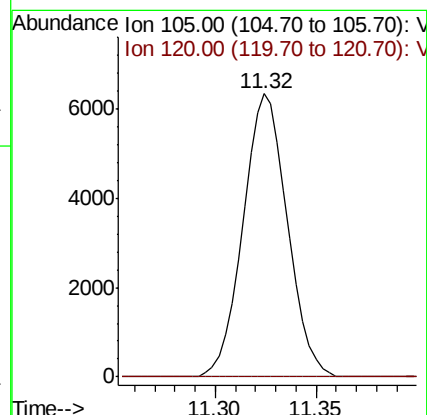
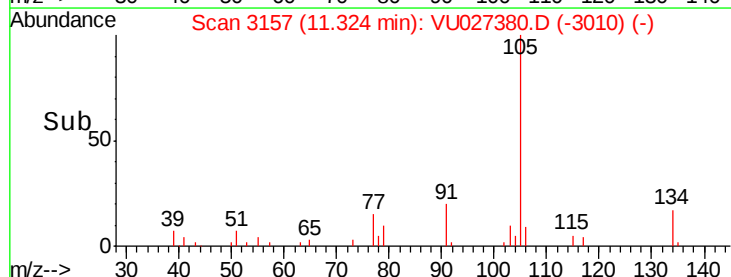
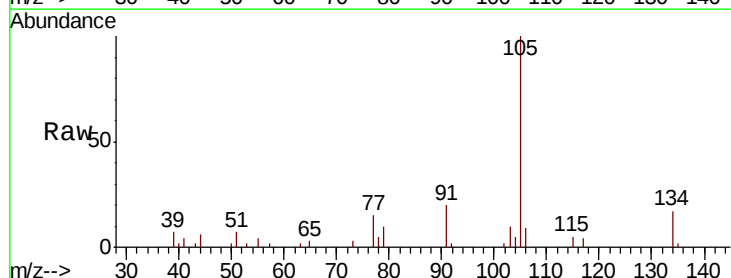
Acq: 04 Oct 2018 00:58

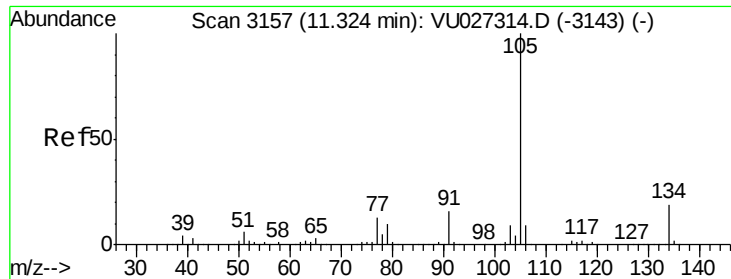
Tgt Ion: 105 Resp: 9716

Ion Ratio Lower Upper

105 100

120 0.0 22.1 66.5#

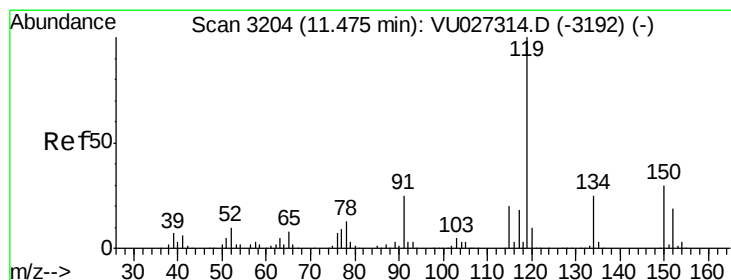
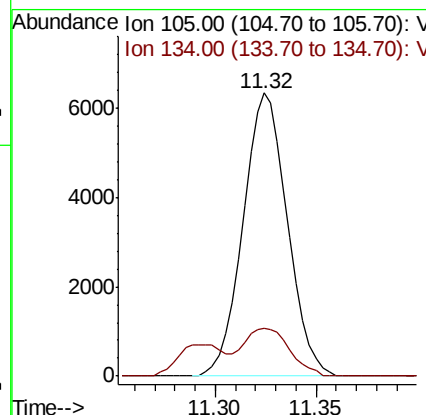
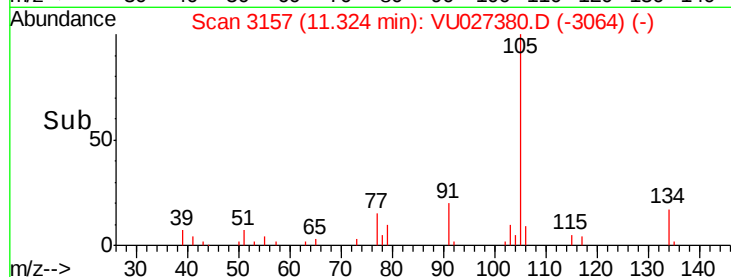
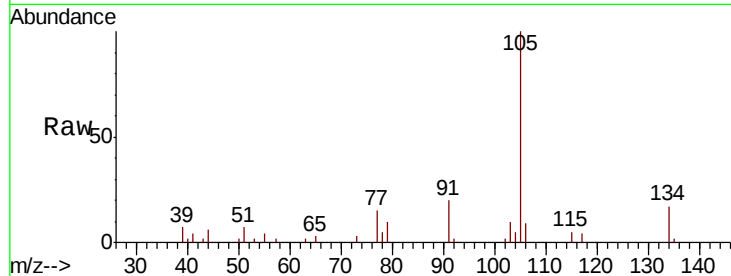




#85
 sec-Butylbenzene
 Concen: 1.704 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027380.D
 Acq: 04 Oct 2018 00:58

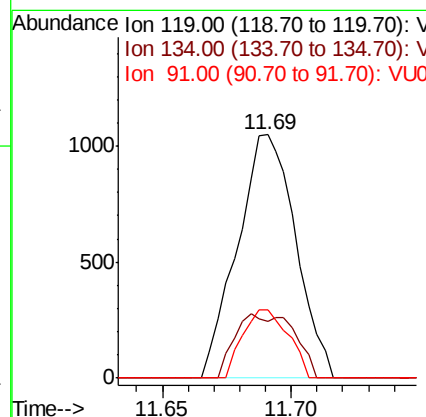
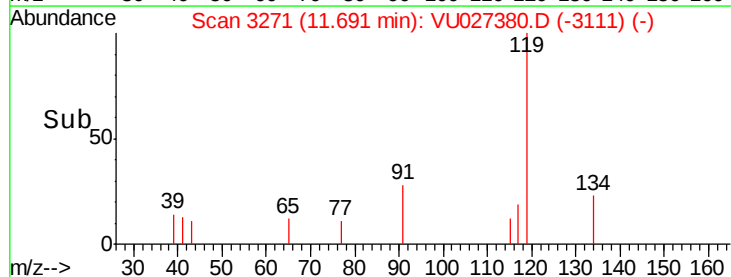
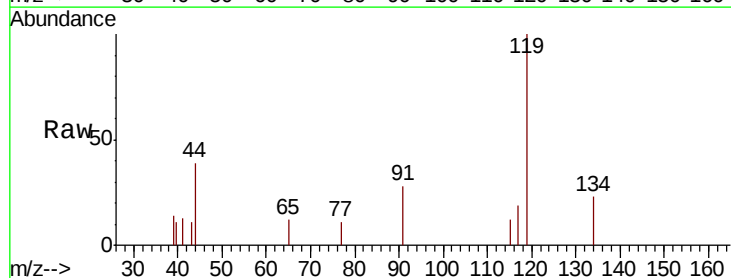
Instrument :
 MSVOA_U
 ClientSampleId :

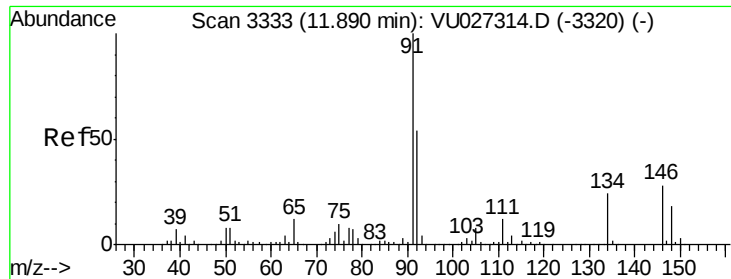
Tot Ion:105 Resp: 9716
 Ion Ratio Lower Upper
 105 100
 134 17.4 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: 0.339 ug/l
 RT: 11.69 min Scan# 3271
 Delta R.T. 0.22 min
 Lab File: VU027380.D
 Acq: 04 Oct 2018 00:58

Tgt Ion:119 Resp: 1654
 Ion Ratio Lower Upper
 119 100
 134 15.2 12.7 38.1
 91 21.9 12.2 36.4





#89

n-Butylbenzene

Concen: 1.986 ug/l

RT: 11.89 min Scan# 3334

Delta R.T. 0.00 min

Lab File: VU027380.D

Acq: 04 Oct 2018 00:58

Instrument :

MSVOA_U

ClientSampled :

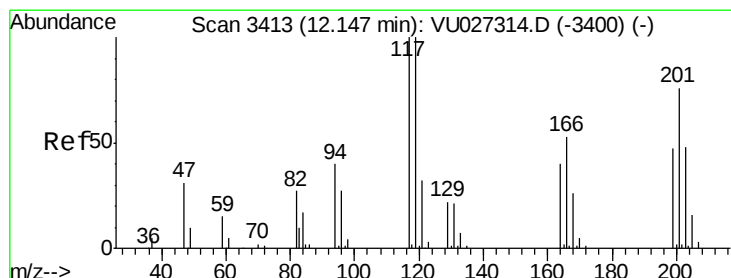
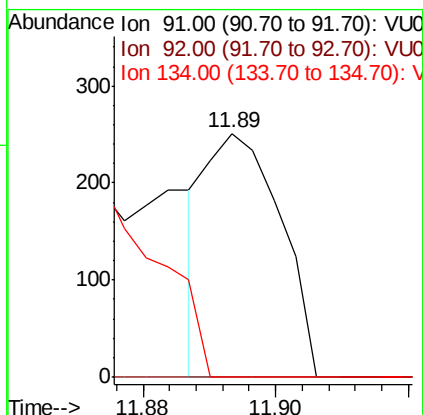
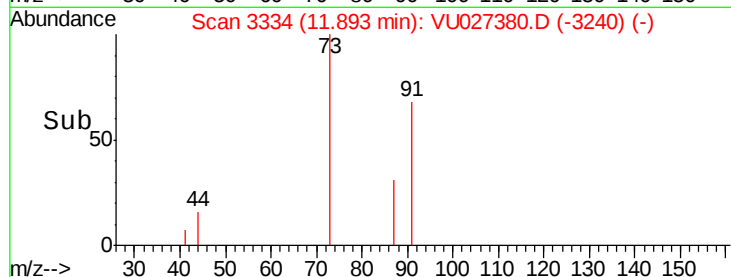
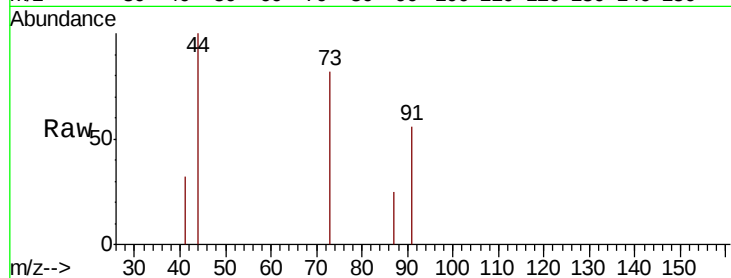
Tot Ion: 91 Resp: 196

Ion Ratio Lower Upper

91 100

92 0.0 27.0 81.0#

134 0.0 11.7 35.1#



#90

Hexachloroethane

Concen: 2.305 ug/l

RT: 12.36 min Scan# 3479

Delta R.T. 0.21 min

Lab File: VU027380.D

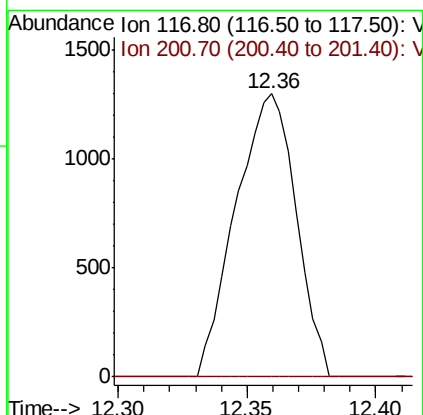
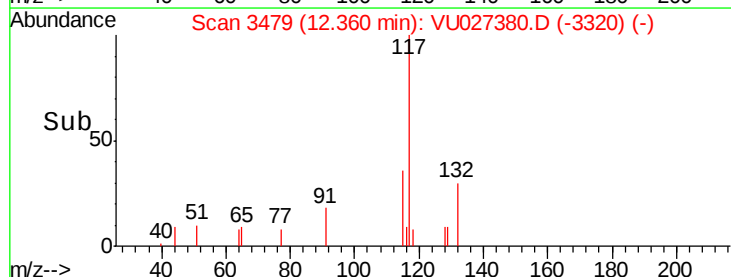
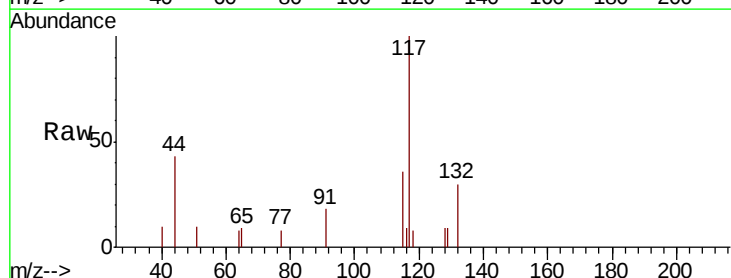
Acq: 04 Oct 2018 00:58

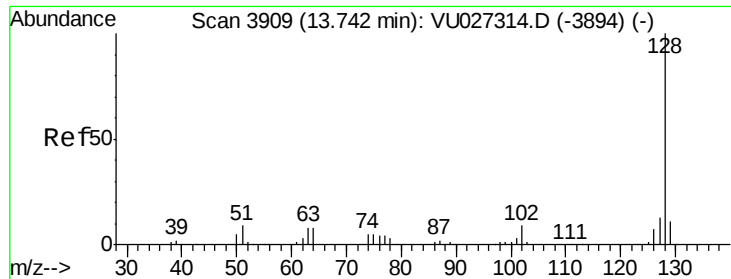
Tgt Ion: 117 Resp: 2121

Ion Ratio Lower Upper

117 100

201 0.0 37.9 113.6#





#95

Naphthalene

Concen: 1.682 ug/l

RT: 13.76 min Scan# 3914

Delta R.T. 0.02 min

Lab File: VU027380.D

Acq: 04 Oct 2018 00:58

Instrument :

MSVOA_U

ClientSampleId :

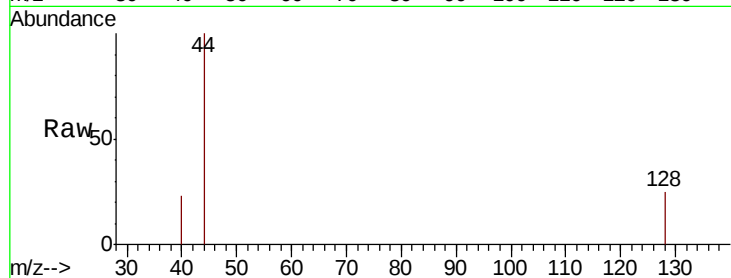
Tot Ion:128 Resp: 135

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

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

