

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100418\
 Data File : VU027382.D
 Acq On : 04 Oct 2018 01:45
 Operator : MD/SY
 Sample : J5163-07
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 04 07:38:05 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	91003	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	160846	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	152839	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	77298	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	97728	64.31	ug/l	0.00
Spiked Amount			Recovery	=	128.62%	
35) Dibromofluoromethane	4.88	113	68113	61.79	ug/l	0.00
Spiked Amount			Recovery	=	123.58%	
50) Toluene-d8	7.57	98	250191	60.64	ug/l	0.00
Spiked Amount			Recovery	=	121.28%	
62) 4-Bromofluorobenzene	10.31	95	83809	54.66	ug/l	0.00
Spiked Amount			Recovery	=	109.32%	

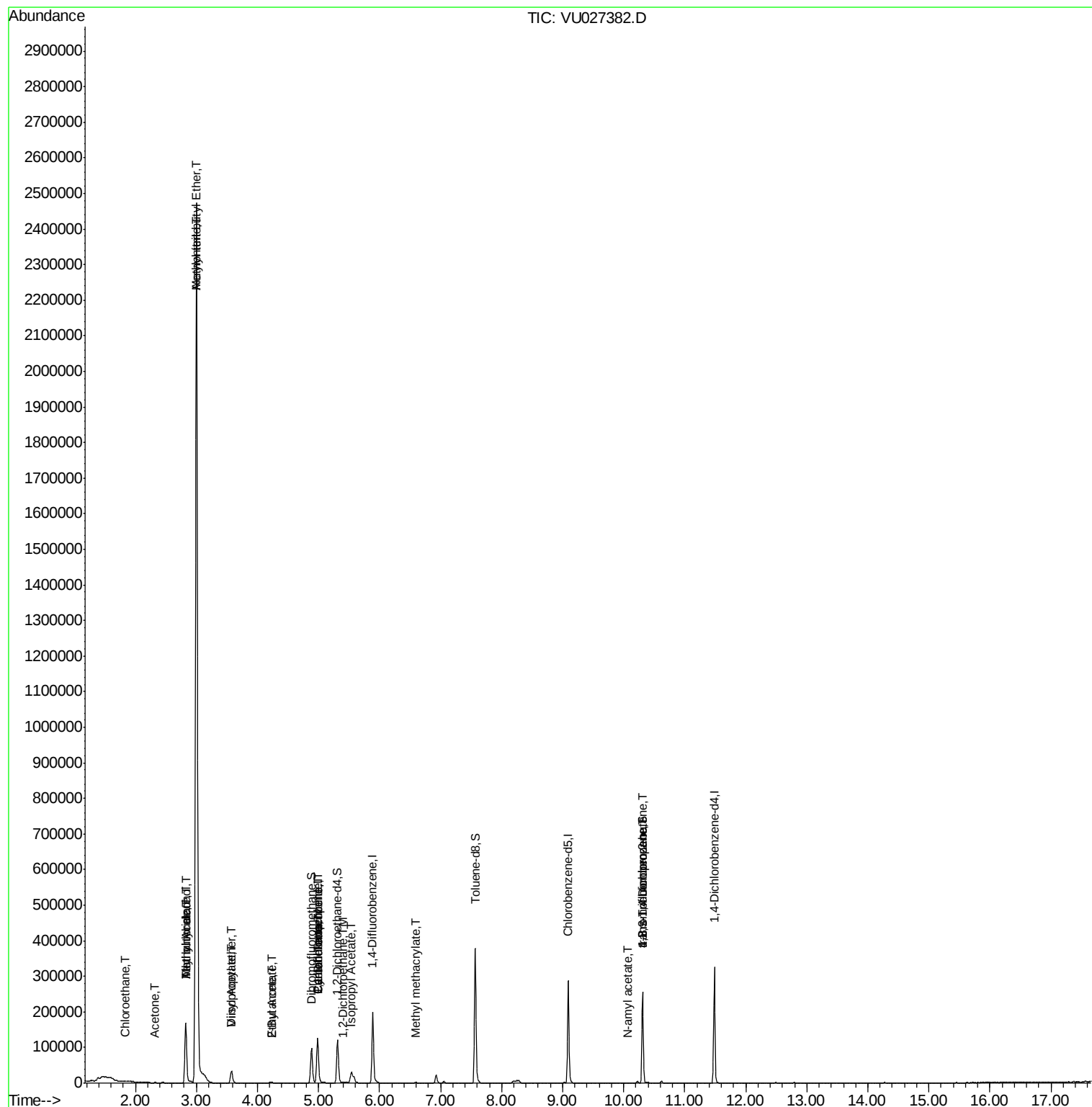
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.85	64	402	0.401	ug/l	96
11) Tert butyl alcohol	2.83	59	194063	606.445	ug/l	98
14) Allyl chloride	2.82	41	48320	21.168	ug/l #	62
15) Acrylonitrile	3.00	53	27463	32.974	ug/l #	29
16) Acetone	2.32	43	1827	2.035	ug/l	90
18) Methyl Acetate	2.82	43	30209	14.751	ug/l #	56
19) Methyl tert-butyl Ether	3.00	73	2548069	661.557	ug/l	99
22) Diisopropyl ether	3.58	45	34589	7.455	ug/l	96
23) Vinyl Acetate	3.58	43	17906	4.419	ug/l #	76
25) 2-Butanone	4.23	43	1149	0.939	ug/l #	54
31) Cyclohexane	4.99	56	2218	0.675	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	8536	4.888	ug/l #	49
37) Ethyl Acetate	4.23	43	1149	0.509	ug/l #	70
38) Carbon Tetrachloride	4.98	117	9121	5.782	ug/l #	19
42) 1,2-Dichloroethane	5.41	62	1528	0.809	ug/l #	76
43) Isopropyl Acetate	5.54	43	6200	1.769	ug/l #	63
48) Methyl methacrylate	6.59	41	579	0.332	ug/l #	18
74) N-amyl acetate	10.06	43	708	0.220	ug/l #	45
76) 1,2,3-Trichloropropane	10.31	75	45448	22.682	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.31	75	45448	59.360	ug/l #	100

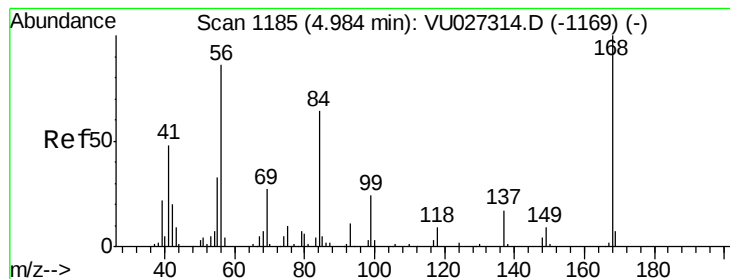
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU100418\
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Instrument :
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Quant Time: Oct 04 07:38:05 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 02:04:34 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027382.D

Acq: 04 Oct 2018 01:45

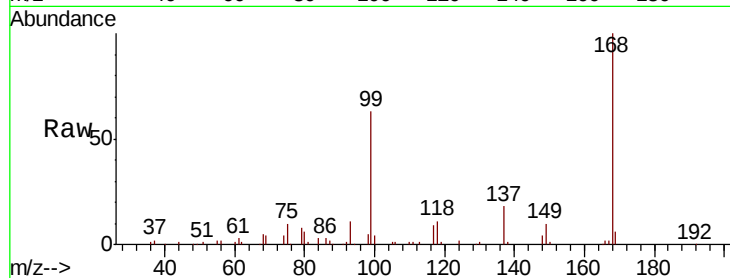
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 91003

Ion Ratio Lower Upper

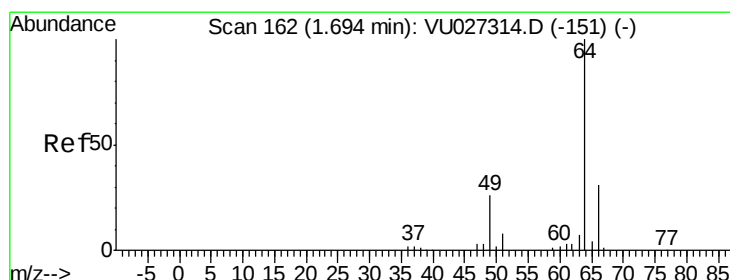
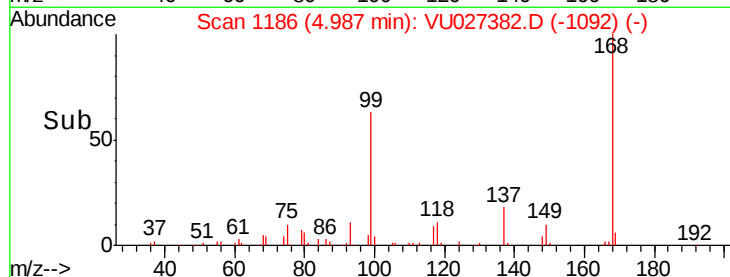
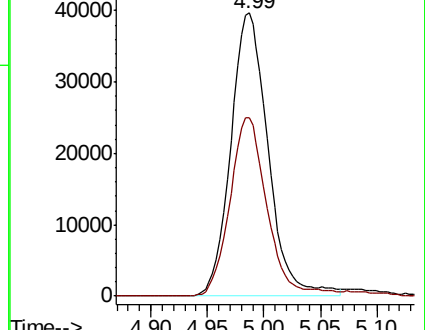
168 100

99 63.2 50.8 76.2



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

Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)



#6

Chloroethane

Concen: 0.401 ug/l

RT: 1.85 min Scan# 210

Delta R.T. 0.15 min

Lab File: VU027382.D

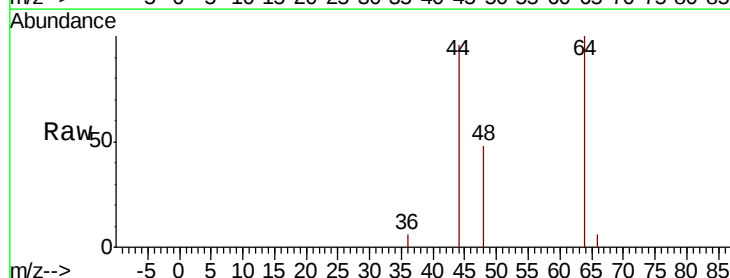
Acq: 04 Oct 2018 01:45

Tgt Ion: 64 Resp: 402

Ion Ratio Lower Upper

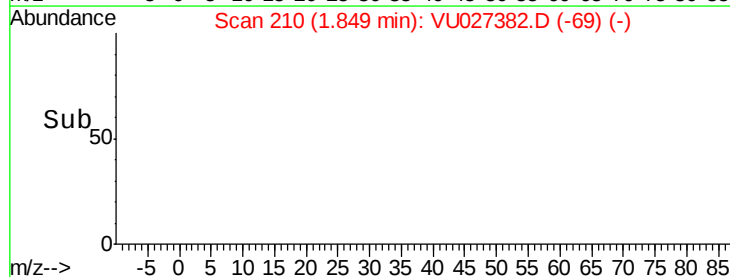
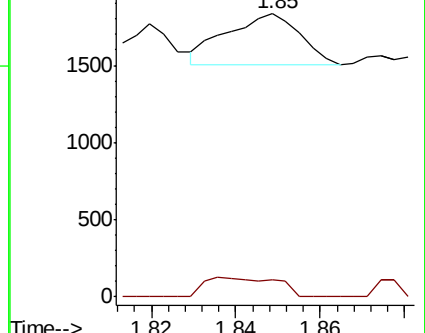
64 100

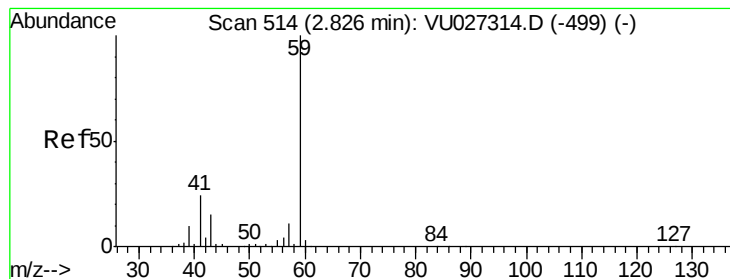
66 33.0 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VU027314.D (-151) (-)

Ion 65.90 (65.60 to 66.60): VU027314.D (-151) (-)



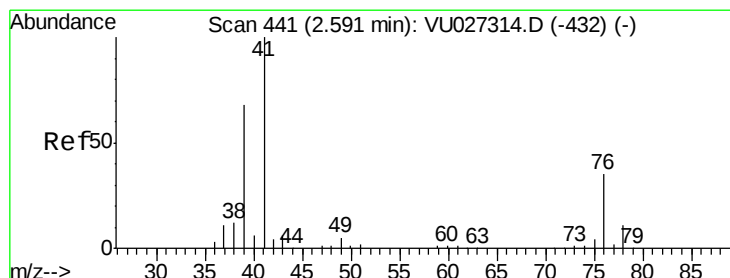
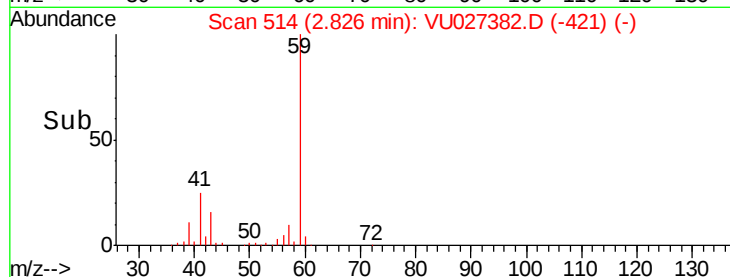
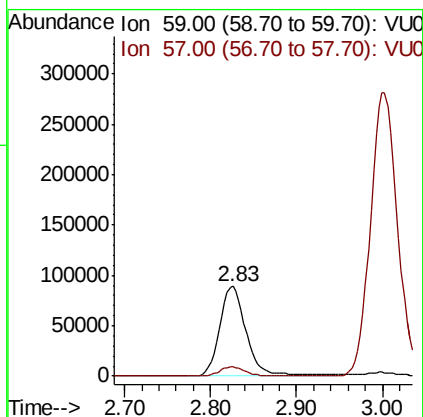
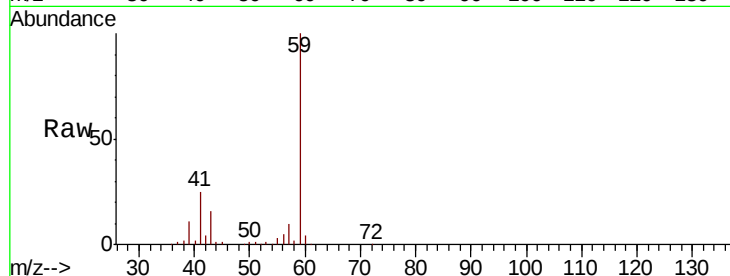


#11

Tert butyl alcohol
Concen: 606.445 ug/l
RT: 2.83 min Scan# 514
Delta R.T. -0.00 min
Lab File: VU027382.D
Acq: 04 Oct 2018 01:45

Instrument :
MSVOA_U
ClientSampleId :

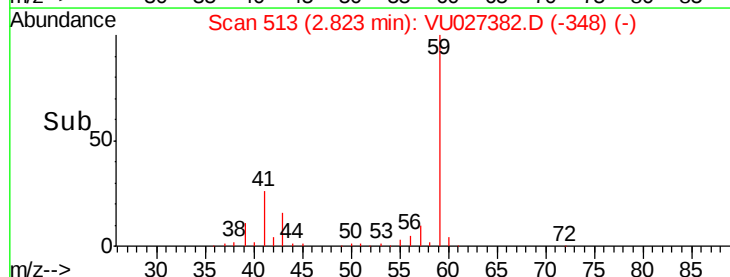
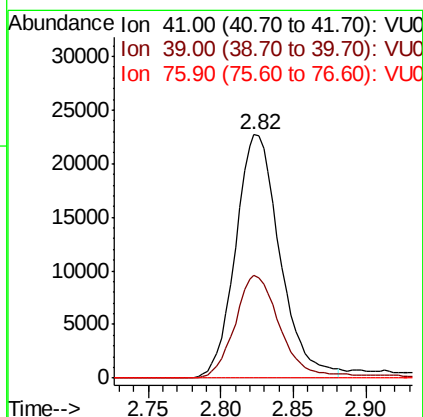
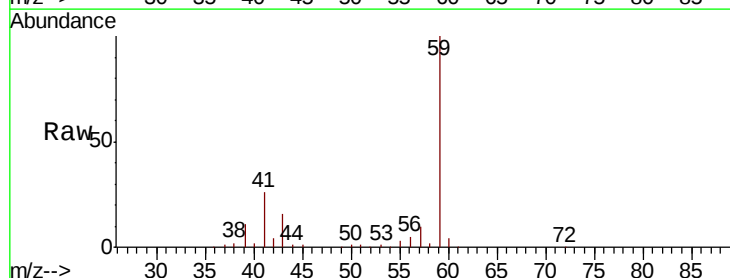
Tot Ion: 59 Resp: 194063
Ion Ratio Lower Upper
59 100
57 9.9 8.4 12.6

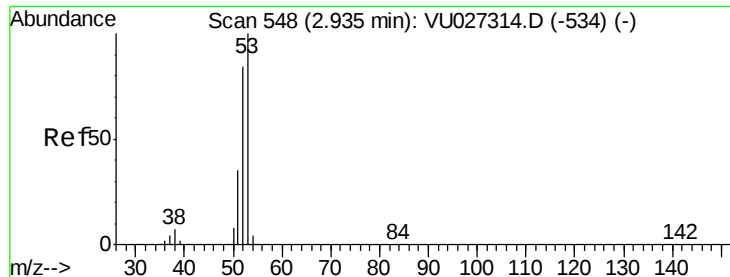


#14

Allyl chloride
Concen: 21.168 ug/l
RT: 2.82 min Scan# 513
Delta R.T. 0.23 min
Lab File: VU027382.D
Acq: 04 Oct 2018 01:45

Tgt Ion: 41 Resp: 48320
Ion Ratio Lower Upper
41 100
39 42.2 51.8 77.8#
76 0.0 25.9 38.9#





#15

Acrylonitrile

Concen: 32.974 ug/l

RT: 3.00 min Scan# 568

Delta R.T. 0.06 min

Lab File: VU027382.D

Acq: 04 Oct 2018 01:45

Instrument :
MSVOA_U
ClientSampleId :

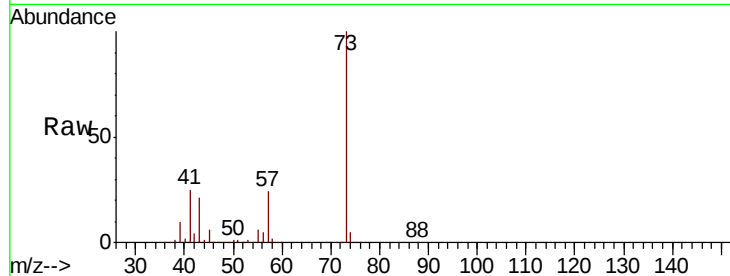
Tot Ion: 53 Resp: 27463

Ion Ratio Lower Upper

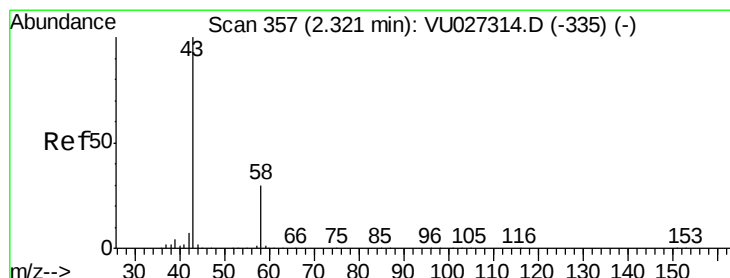
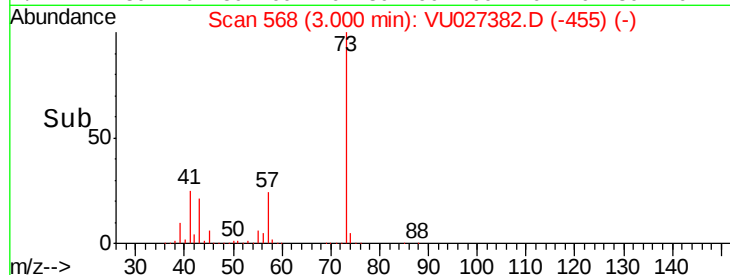
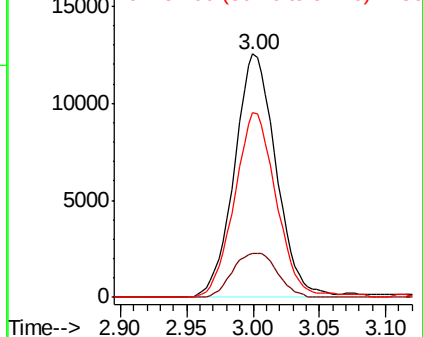
53 100

52 19.3 66.5 99.7#

51 75.9 27.6 41.4#



Abundance Ion 53.00 (52.70 to 53.70): VU0
Ion 52.00 (51.70 to 52.70): VU0
Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 2.035 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027382.D

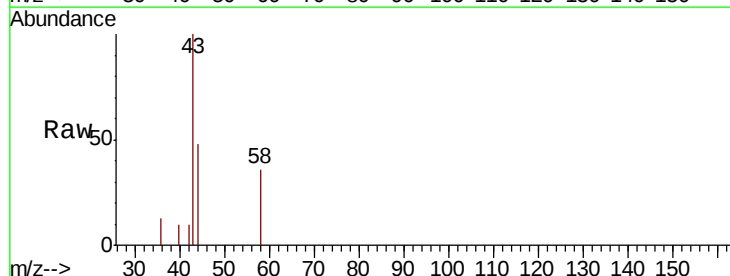
Acq: 04 Oct 2018 01:45

Tgt Ion: 43 Resp: 1827

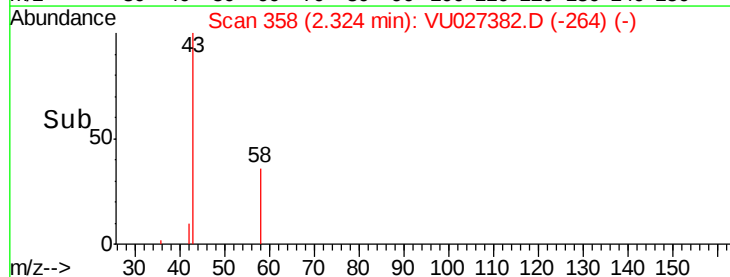
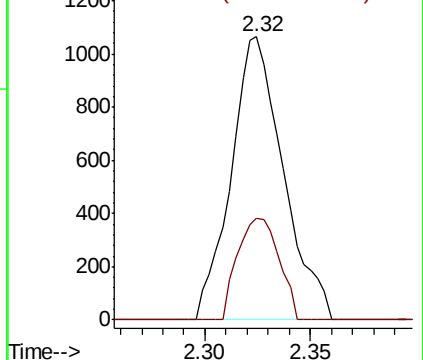
Ion Ratio Lower Upper

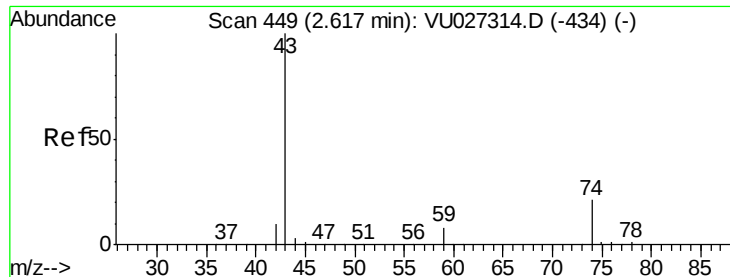
43 100

58 35.9 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

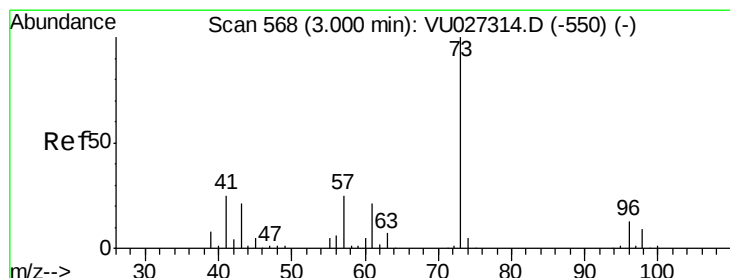
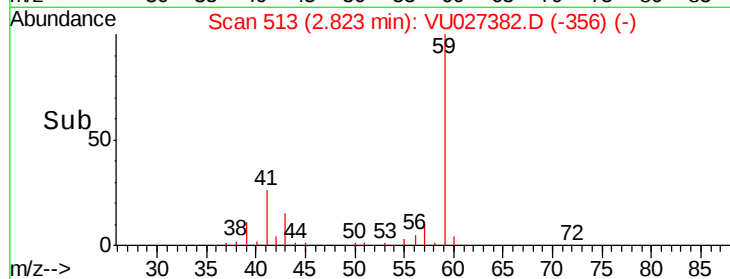
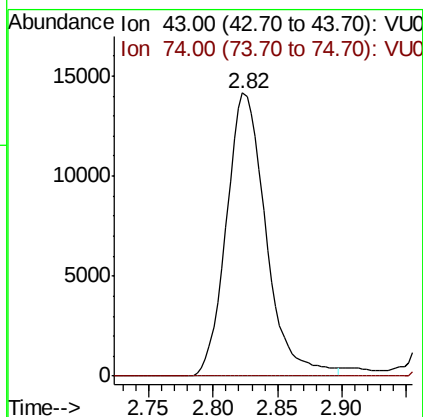
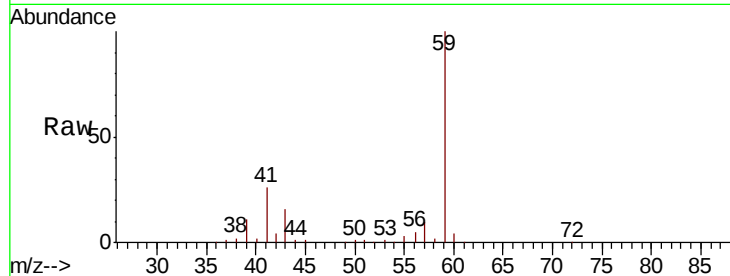




#18
Methyl Acetate
Concen: 14.751 ug/l
RT: 2.82 min Scan# 513
Delta R.T. 0.21 min
Lab File: VU027382.D
Acq: 04 Oct 2018 01:45

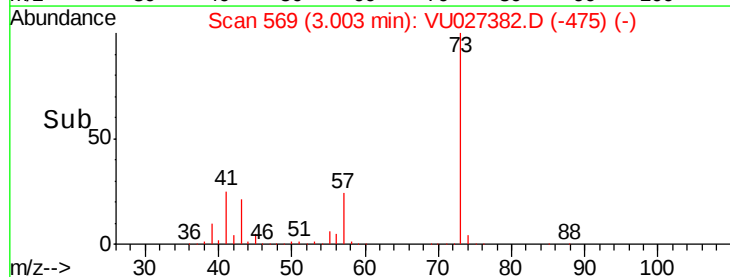
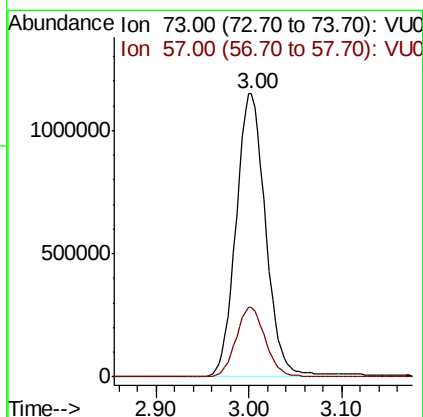
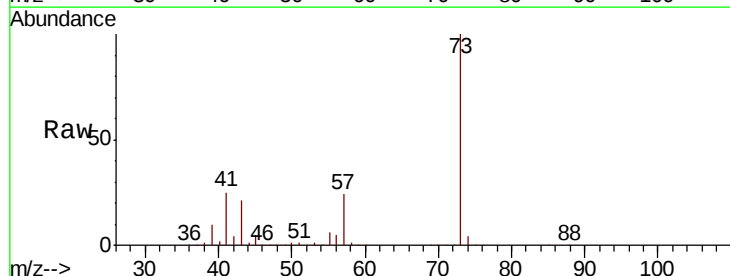
Instrument :
MSVOA_U
ClientSampleId :

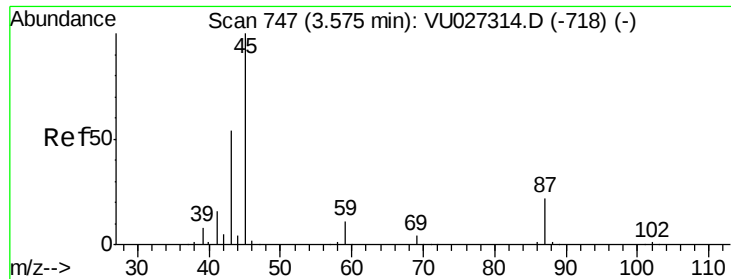
Tot Ion: 43 Resp: 30209
Ion Ratio Lower Upper
43 100
74 0.0 16.5 24.7#



#19
Methyl tert-butyl Ether
Concen: 661.557 ug/l
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU027382.D
Acq: 04 Oct 2018 01:45

Tgt Ion: 73 Resp: 2548069
Ion Ratio Lower Upper
73 100
57 24.4 20.0 30.0





#22

Diisopropyl ether

Concen: 7.455 ug/l

RT: 3.58 min Scan# 747

Delta R.T. -0.00 min

Lab File: VU027382.D

Acq: 04 Oct 2018 01:45

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 45 Resp: 34589

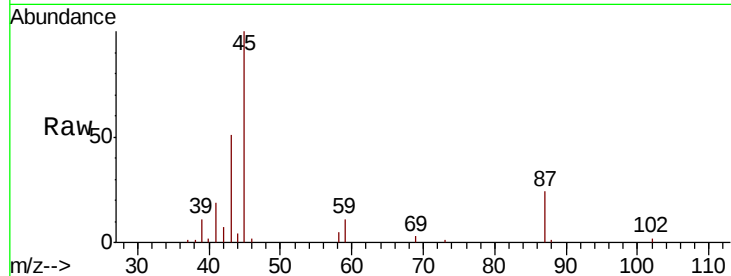
Ion Ratio Lower Upper

45 100

43 51.2 43.4 65.2

87 23.7 17.5 26.3

59 11.5 8.6 13.0



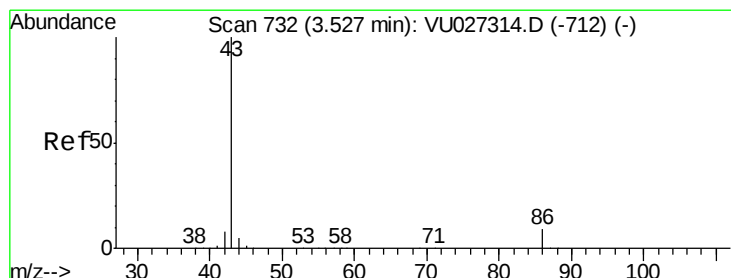
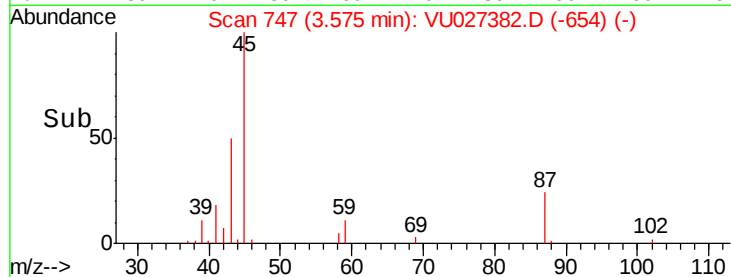
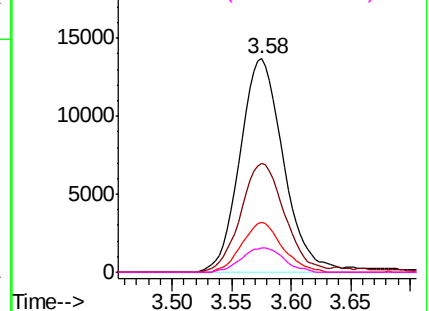
Abundance

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: 4.419 ug/l

RT: 3.58 min Scan# 747

Delta R.T. 0.05 min

Lab File: VU027382.D

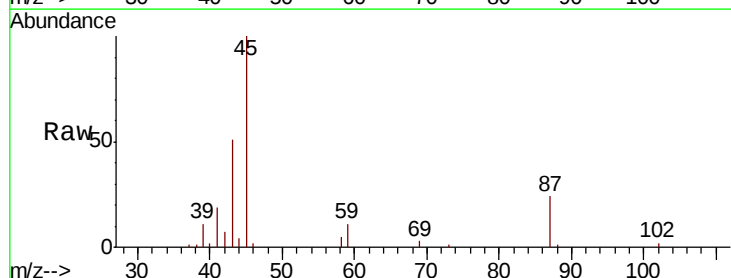
Acq: 04 Oct 2018 01:45

Tgt Ion: 43 Resp: 17906

Ion Ratio Lower Upper

43 100

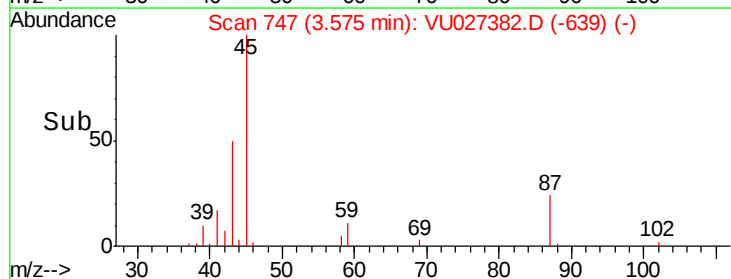
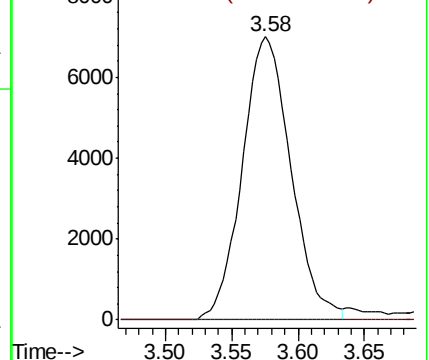
86 0.0 7.0 10.4#

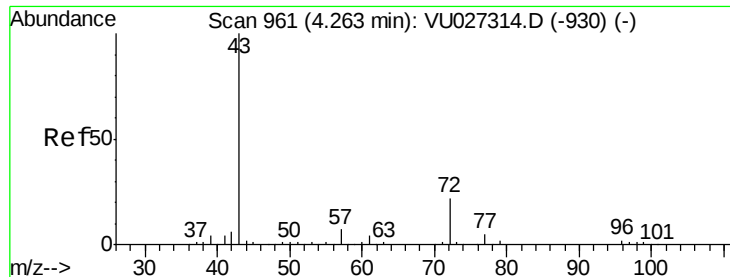


Abundance

Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0





#25

2-Butanone

Concen: 0.939 ug/l

RT: 4.23 min Scan# 952

Delta R.T. -0.03 min

Lab File: VU027382.D

Acq: 04 Oct 2018 01:45

Instrument :

MSVOA_U

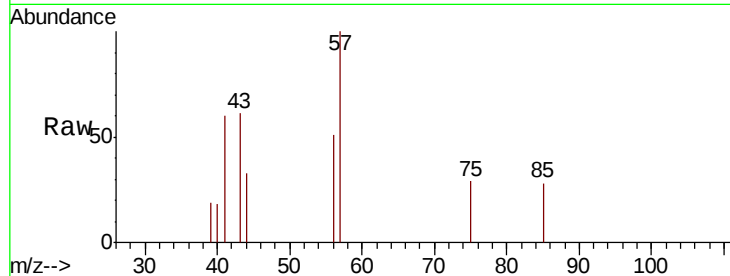
ClientSampleId :

Tot Ion: 43 Resp: 1149

Ion Ratio Lower Upper

43 100

72 0.0 17.8 26.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.23

400

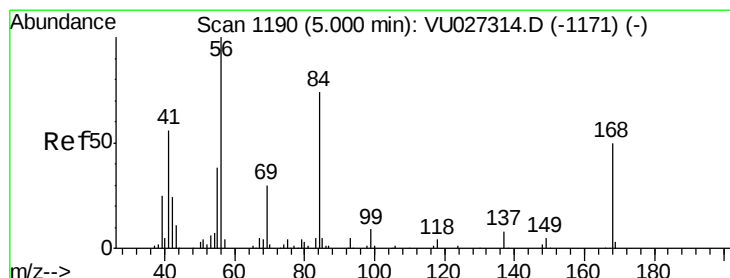
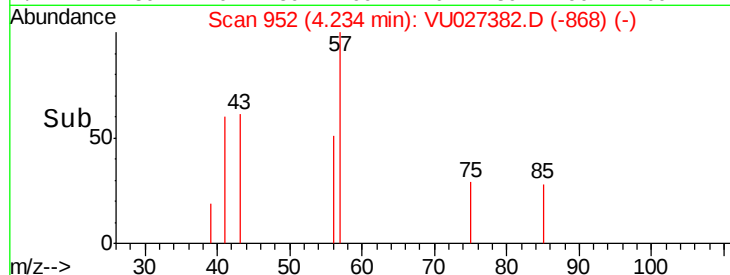
300

200

100

0

Time-->



#31

Cyclohexane

Concen: 0.675 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.01 min

Lab File: VU027382.D

Acq: 04 Oct 2018 01:45

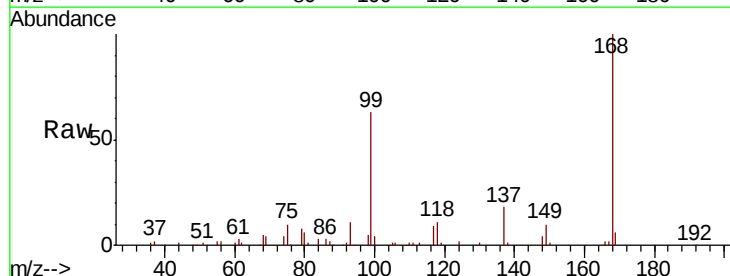
Tgt Ion: 56 Resp: 2218

Ion Ratio Lower Upper

56 100

69 184.2 24.1 36.1#

84 131.2 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

2500

2000

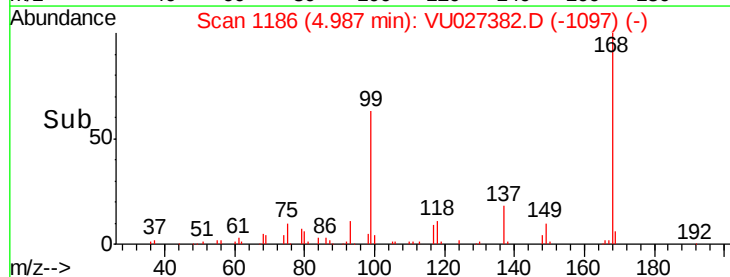
1500

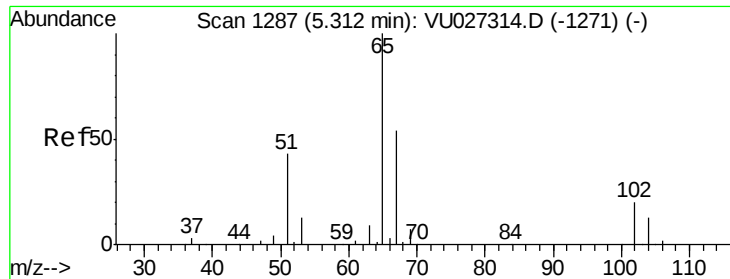
1000

500

0

Time-->

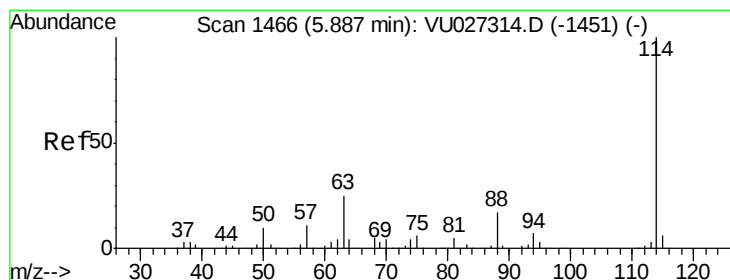
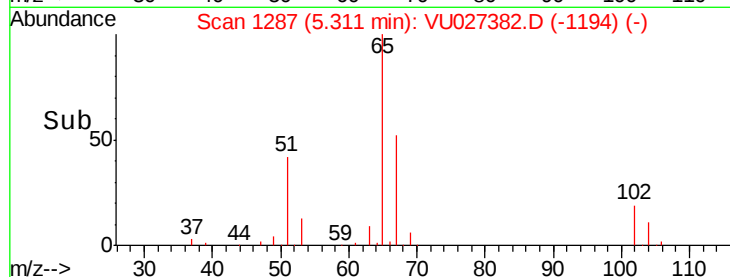
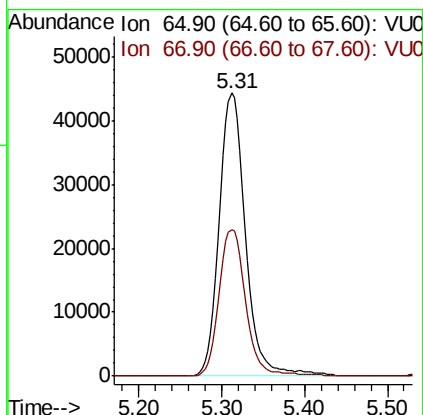
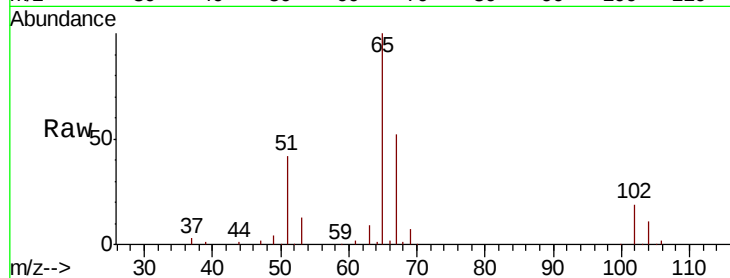




#33
 1,2-Dichloroethane-d4
 Concen: 64.312 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027382.D
 Acq: 04 Oct 2018 01:45

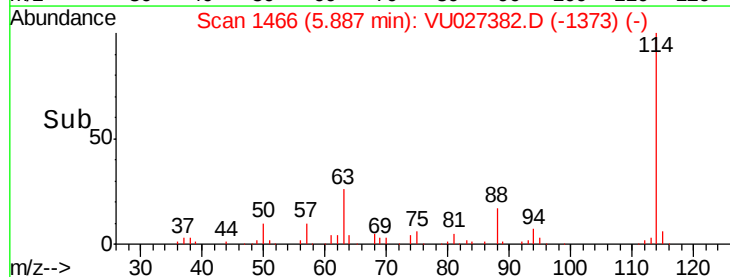
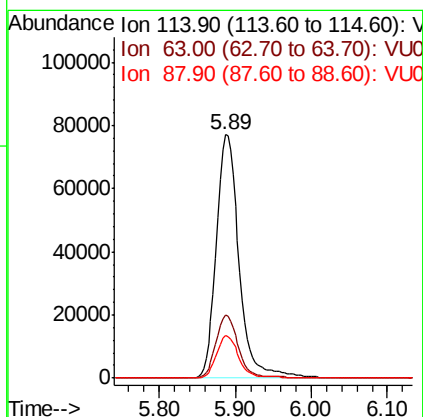
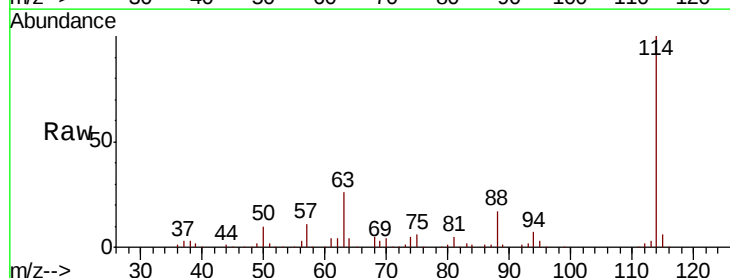
Instrument :
 MSVOA_U
 ClientSampleId :

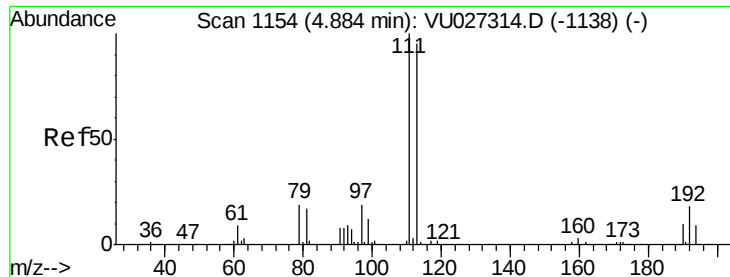
Tot Ion: 65 Resp: 97728
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027382.D
 Acq: 04 Oct 2018 01:45

Tgt Ion: 114 Resp: 160846
 Ion Ratio Lower Upper
 114 100
 63 25.7 0.0 50.2
 88 17.3 0.0 33.8

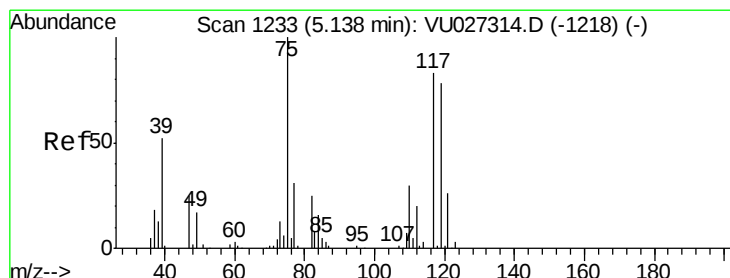
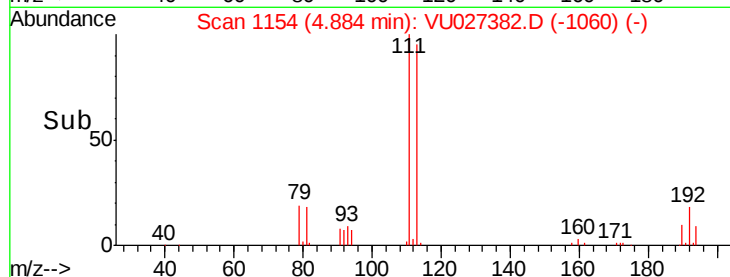
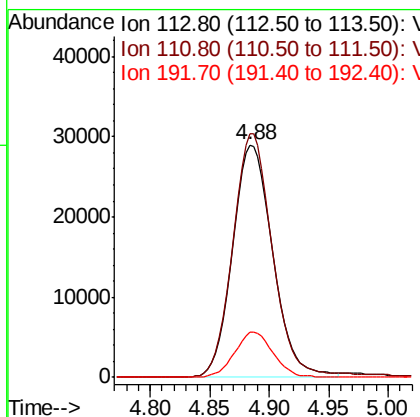
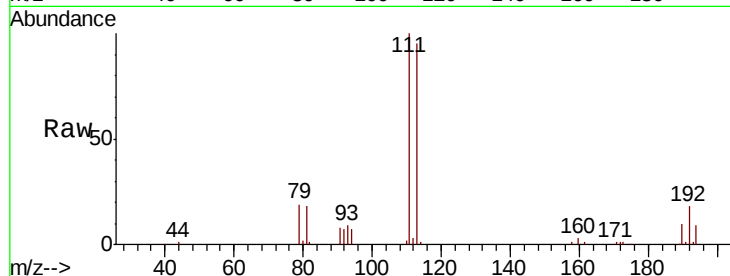




#35
 Dibromofluoromethane
 Concen: 61.790 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027382.D
 Acq: 04 Oct 2018 01:45

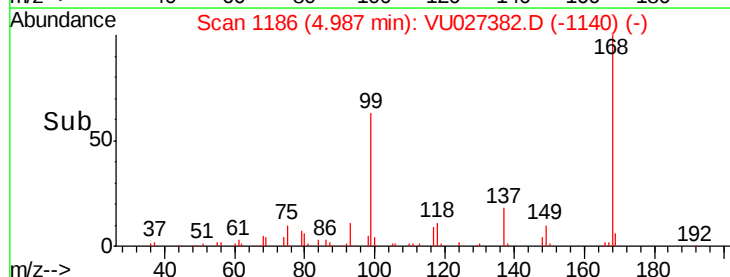
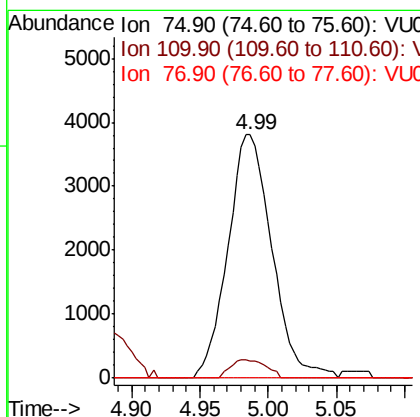
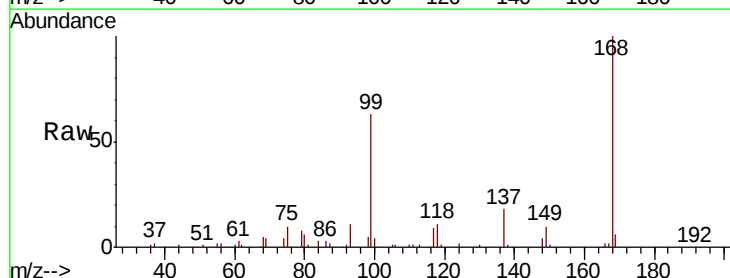
Instrument :
 MSVOA_U
 ClientSampleId :

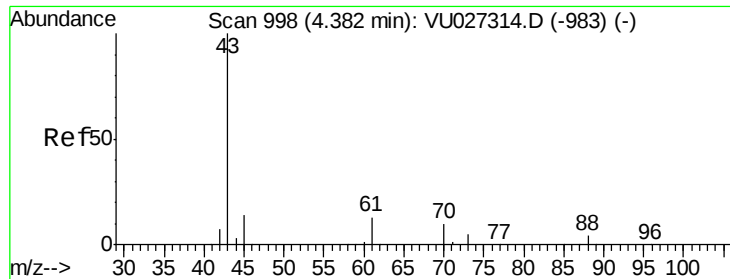
Tot Ion:113 Resp: 68113
 Ion Ratio Lower Upper
 113 100
 111 103.3 83.1 124.7
 192 18.6 15.4 23.0



#36
 1,1-Dichloropropene
 Concen: 4.888 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027382.D
 Acq: 04 Oct 2018 01:45

Tgt Ion: 75 Resp: 8536
 Ion Ratio Lower Upper
 75 100
 110 6.0 15.5 46.5#
 77 0.0 25.4 38.0#

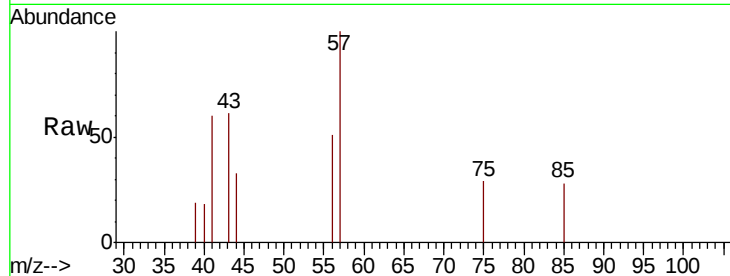




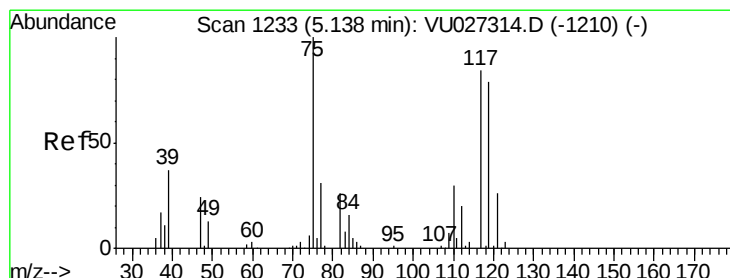
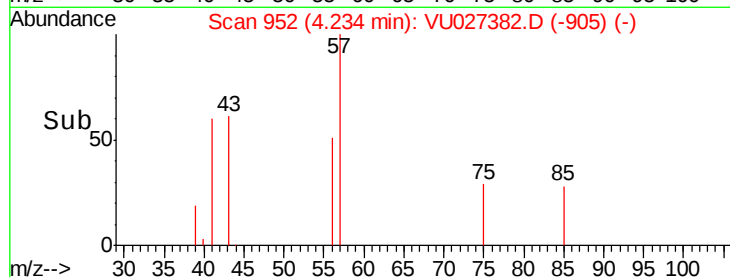
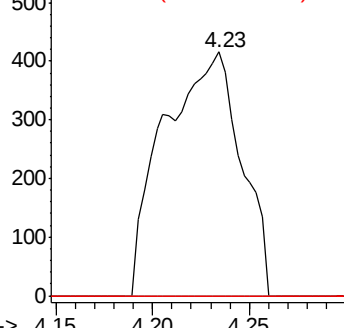
#37
Ethyl Acetate
Concen: 0.509 ug/l
RT: 4.23 min Scan# 952
Delta R.T. -0.15 min
Lab File: VU027382.D
Acq: 04 Oct 2018 01:45

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 1149
Ion Ratio Lower Upper
43 100
61 0.0 10.7 16.1#
70 0.0 7.4 11.2#

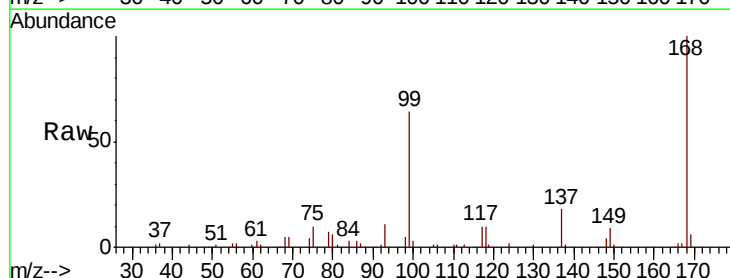


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

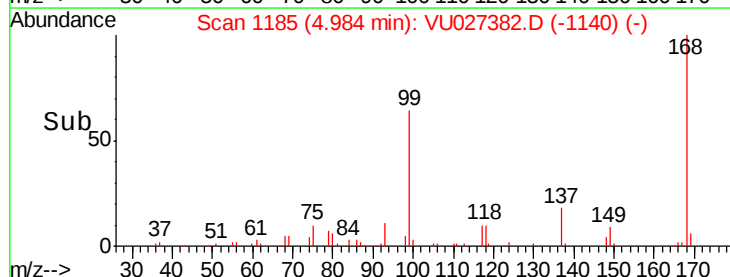
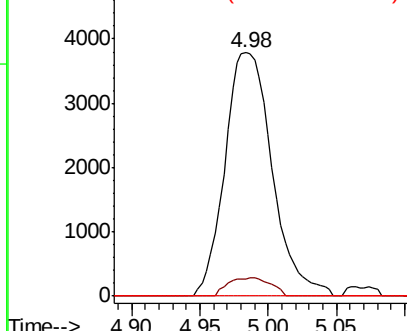


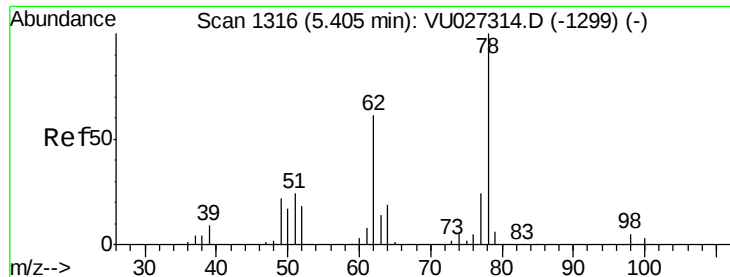
#38
Carbon Tetrachloride
Concen: 5.782 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.15 min
Lab File: VU027382.D
Acq: 04 Oct 2018 01:45

Tgt Ion: 117 Resp: 9121
Ion Ratio Lower Upper
117 100
119 6.9 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





#42

1,2-Dichloroethane

Concen: 0.809 ug/l

RT: 5.41 min Scan# 1319

Delta R.T. 0.01 min

Lab File: VU027382.D

Acq: 04 Oct 2018 01:45

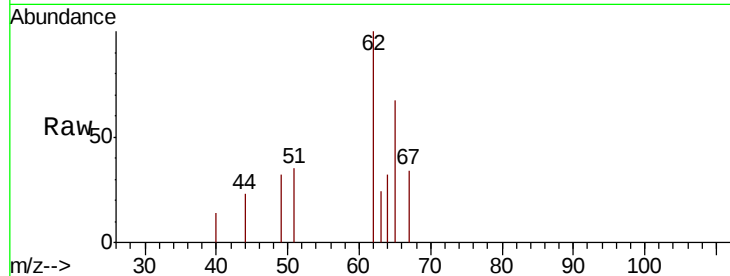
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 62 Resp: 1528

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

800

600

400

200

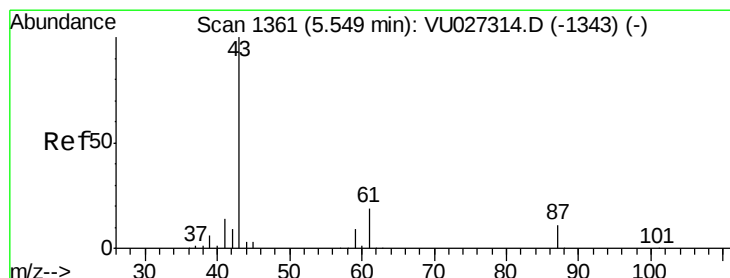
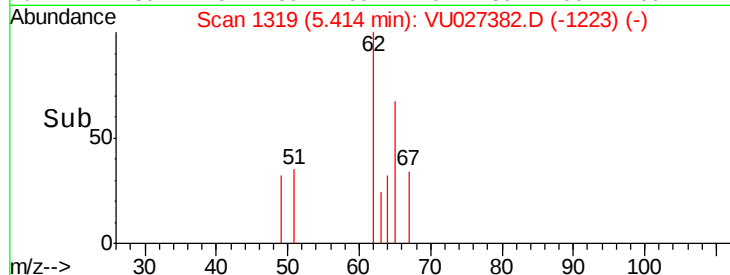
0

5.35

5.40

5.45

Time-->



#43

Isopropyl Acetate

Concen: 1.769 ug/l

RT: 5.54 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VU027382.D

Acq: 04 Oct 2018 01:45

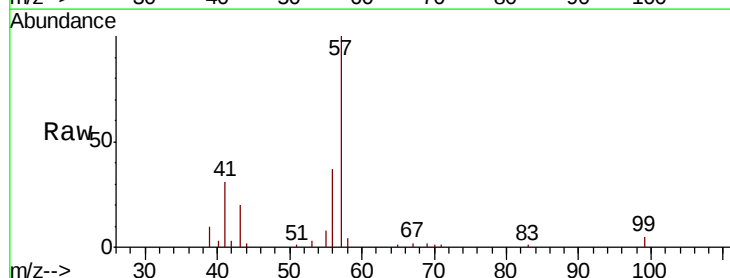
Tgt Ion: 43 Resp: 6200

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

3000

2000

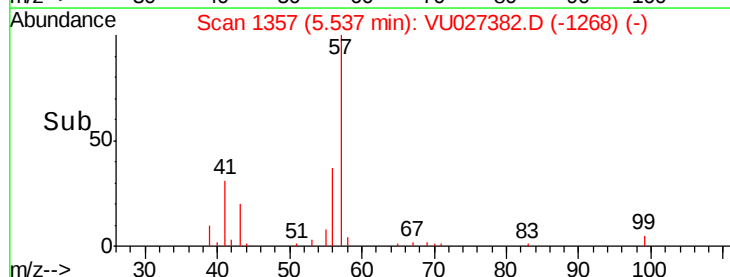
1000

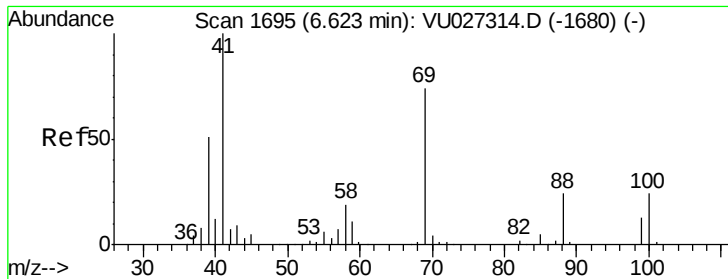
0

5.50

5.55

Time-->

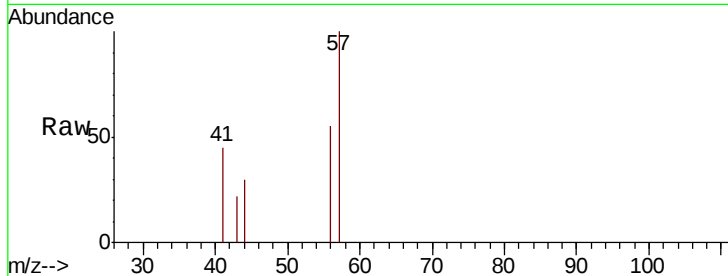




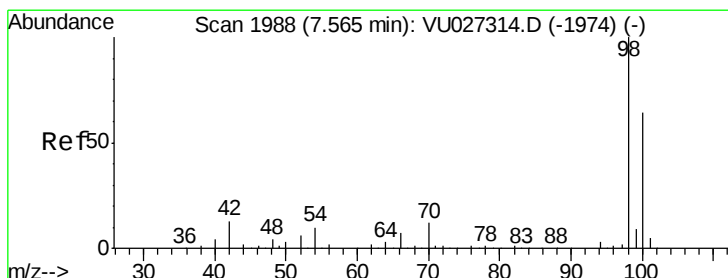
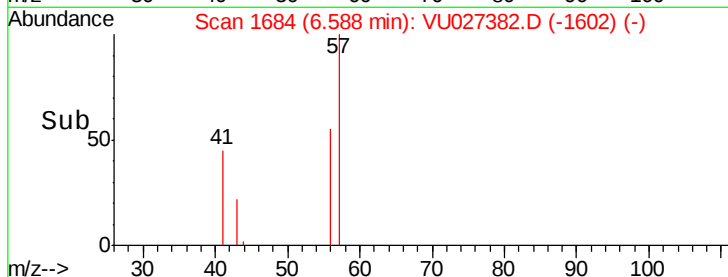
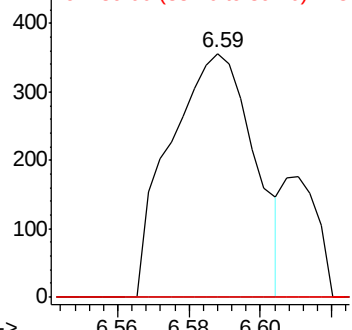
#48
Methvl methacrylate
Concen: 0.332 ug/l
RT: 6.59 min Scan# 1684
Delta R.T. -0.04 min
Lab File: VU027382.D
Acq: 04 Oct 2018 01:45

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 41 Resp: 579
Ion Ratio Lower Upper
41 100
69 0.0 61.0 91.4#
39 0.0 39.9 59.9#

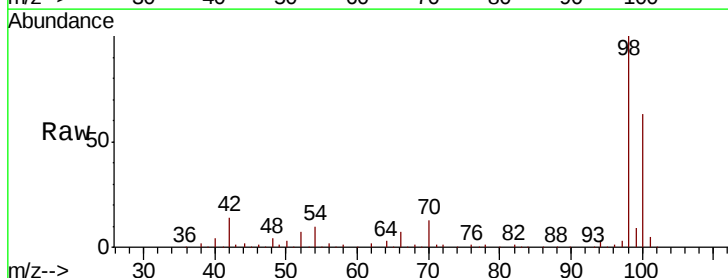


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

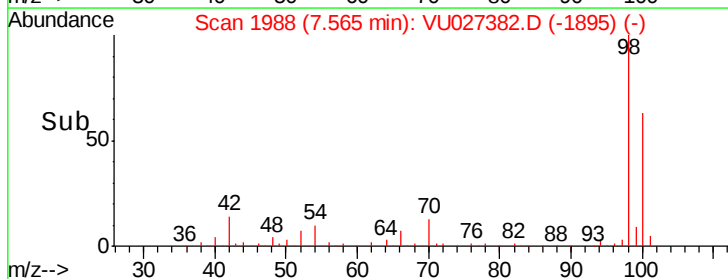
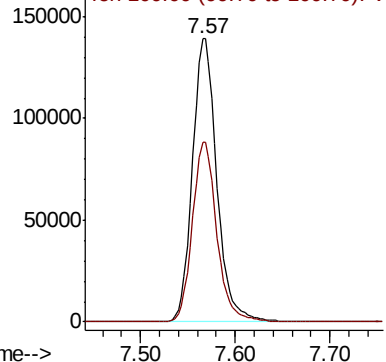


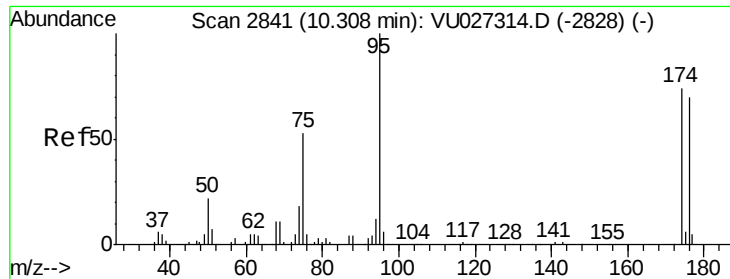
#50
Toluene-d8
Concen: 60.643 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027382.D
Acq: 04 Oct 2018 01:45

Tgt Ion: 98 Resp: 250191
Ion Ratio Lower Upper
98 100
100 63.5 52.1 78.1



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

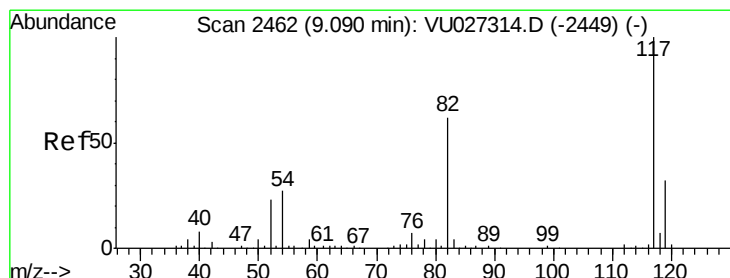
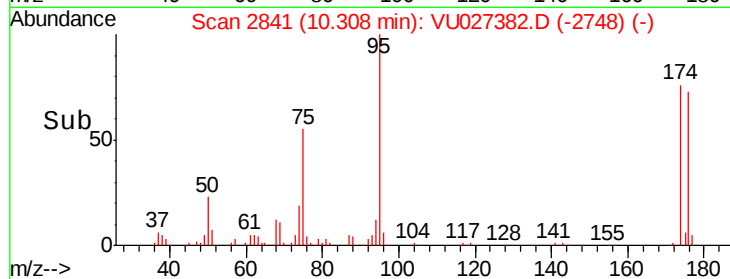
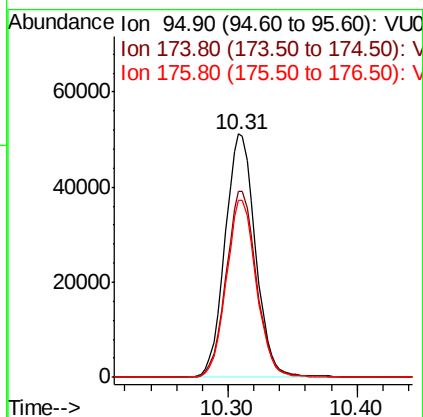
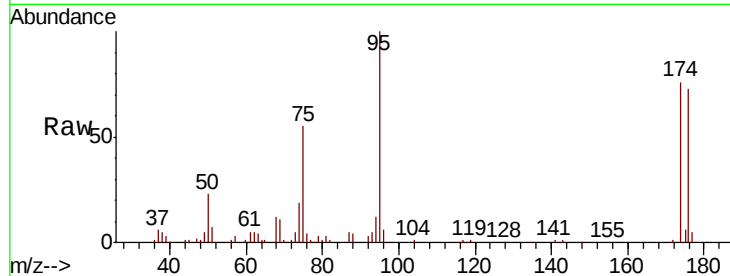




#62
4-Bromofluorobenzene
Concen: 54.661 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027382.D
Acq: 04 Oct 2018 01:45

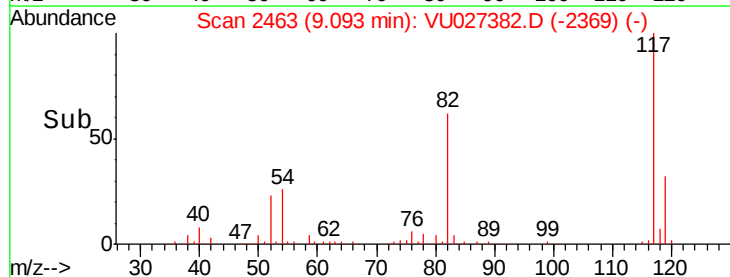
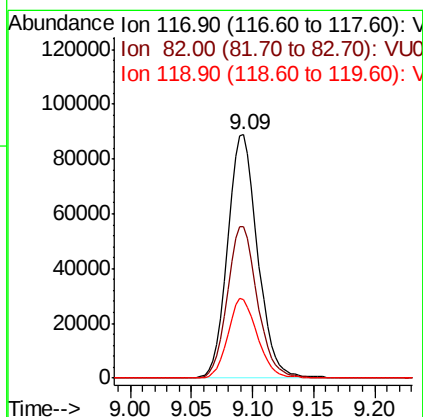
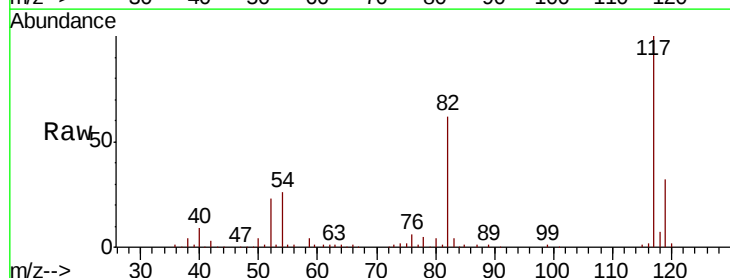
Instrument :
MSVOA_U
ClientSampleId :

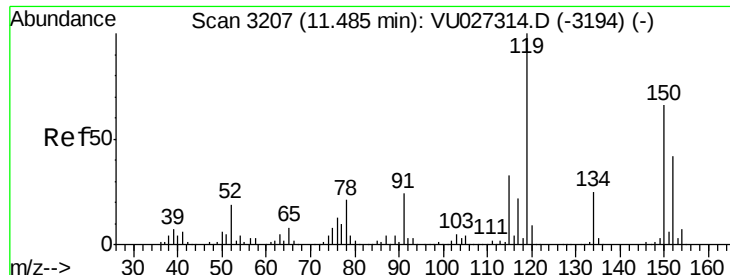
Tot Ion: 95 Resp: 83809
Ion Ratio Lower Upper
95 100
174 76.6 0.0 147.8
176 71.8 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027382.D
Acq: 04 Oct 2018 01:45

Tgt Ion: 117 Resp: 152839
Ion Ratio Lower Upper
117 100
82 62.3 49.2 73.8
119 32.0 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU027382.D

Acq: 04 Oct 2018 01:45

Instrument :

MSVOA_U

ClientSampleId :

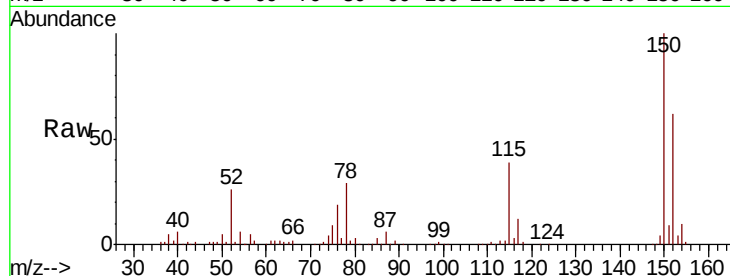
Tot Ion:152 Resp: 77298

Ion Ratio Lower Upper

152 100

115 61.3 43.4 130.2

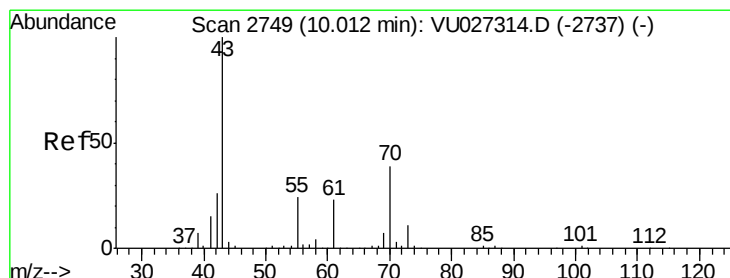
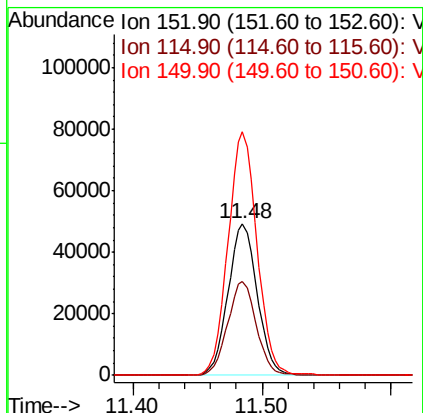
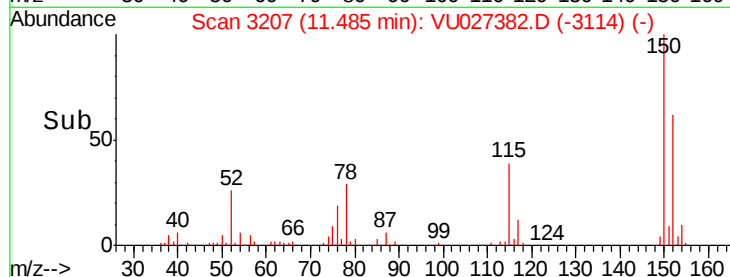
150 159.2 0.0 349.2



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-ethyl acetate

Concen: 0.220 ug/l

RT: 10.06 min Scan# 2765

Delta R.T. 0.05 min

Lab File: VU027382.D

Acq: 04 Oct 2018 01:45

Tgt Ion: 43 Resp: 708

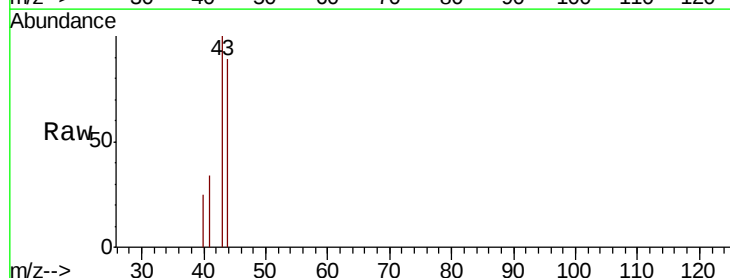
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.0 28.6#

61 0.0 18.5 27.7#

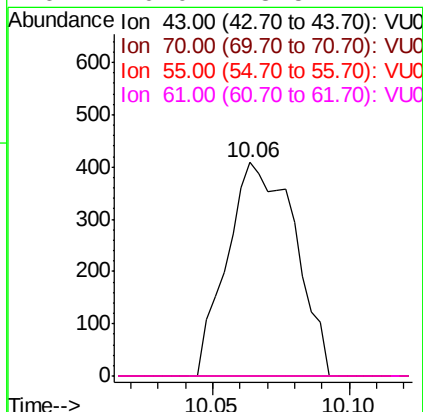
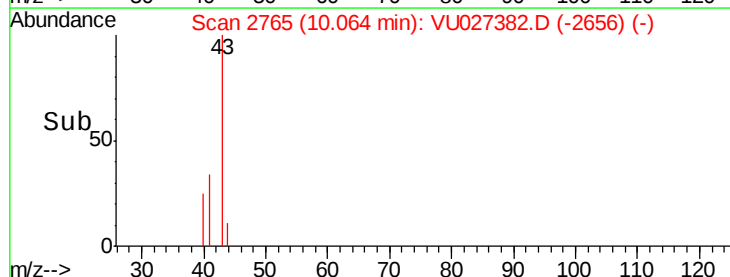


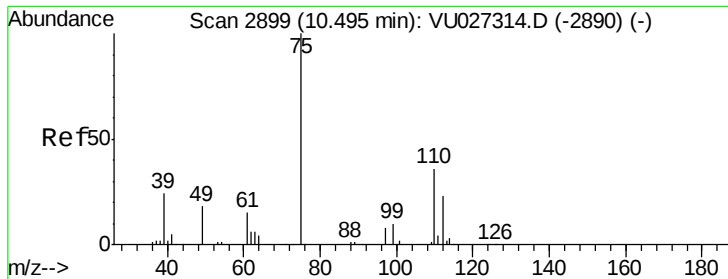
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 22.682 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027382.D

Acq: 04 Oct 2018 01:45

Instrument :

MSVOA_U

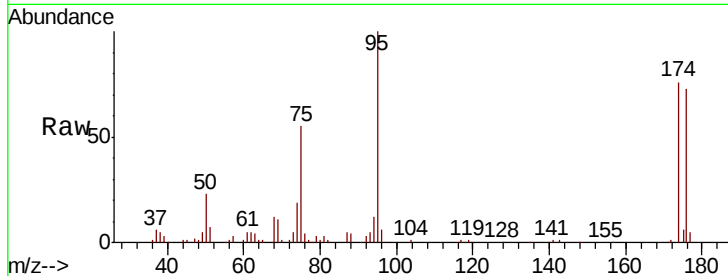
ClientSampleId :

Tot Ion: 75 Resp: 45448

Ion Ratio Lower Upper

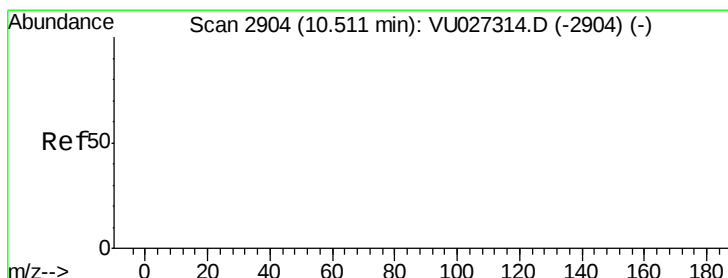
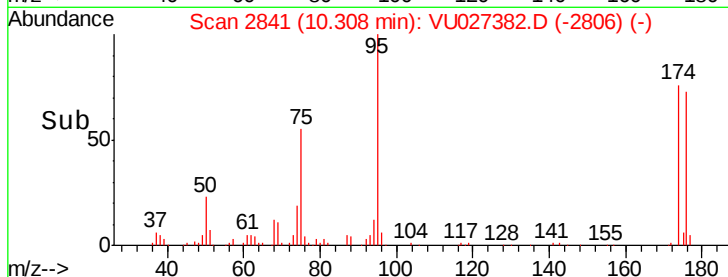
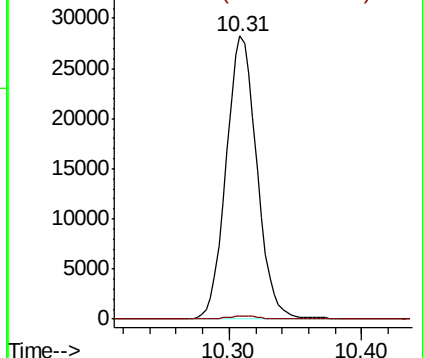
75 100

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: 59.360 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU027382.D

Acq: 04 Oct 2018 01:45

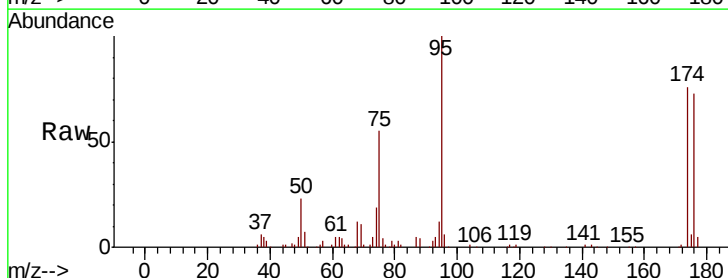
Tgt Ion: 75 Resp: 45448

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

