

Data File : VU027537.D
Acq On : 09 Oct 2018 21:32
Operator : MD/SY
Sample : J5303-22
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EB06-20181003

Quant Time: Oct 10 06:00:23 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	116075	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	193549	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	166587	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	64279	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	96990	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
35) Dibromofluoromethane	4.89	113	66677	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
50) Toluene-d8	7.57	98	244736	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
62) 4-Bromofluorobenzene	10.31	95	72562	39.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.66%	

Target Compounds

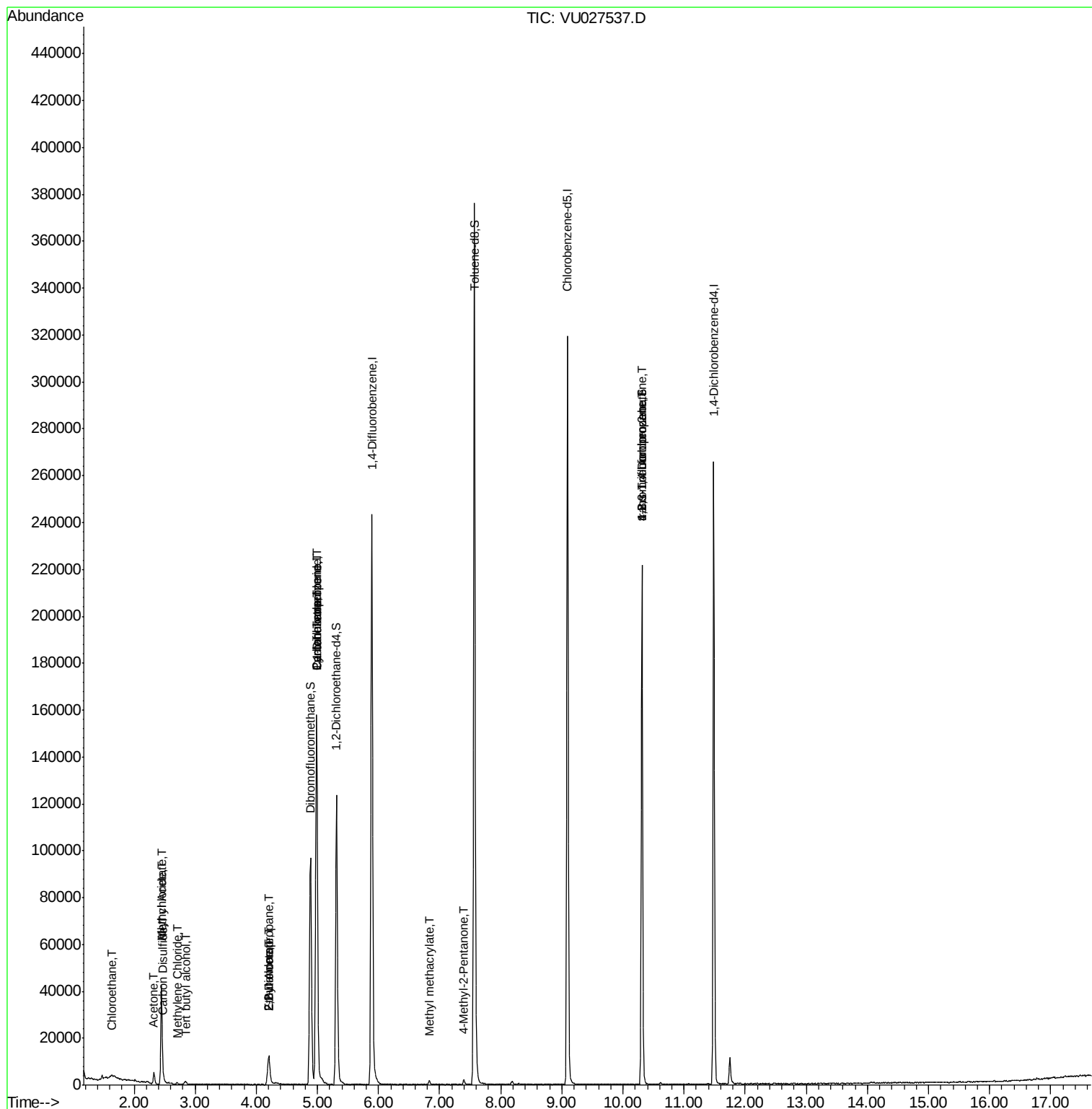
						Qvalue
6) Chloroethane	1.63	64	2079	1.624	ug/l #	73
11) Tert butyl alcohol	2.84	59	1432	3.508	ug/l #	72
14) Allyl chloride	2.45	41	4077	1.400	ug/l #	63
16) Acetone	2.32	43	5492	4.796	ug/l	97
17) Carbon Disulfide	2.48	76	998	0.226	ug/l #	75
18) Methyl Acetate	2.45	43	11212	4.292	ug/l #	56
20) Methylene Chloride	2.71	84	348	0.218	ug/l #	71
25) 2-Butanone	4.20	43	674	0.432	ug/l #	54
26) 2,2-Dichloropropane	4.21	77	747	0.299	ug/l #	56
31) Cyclohexane	4.99	56	2833	0.677	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	10543	5.017	ug/l #	49
37) Ethyl Acetate	4.20	43	674	0.248	ug/l #	1
38) Carbon Tetrachloride	4.98	117	11933	6.286	ug/l #	17
48) Methyl methacrylate	6.83	41	449	0.214	ug/l #	23
51) 4-Methyl-2-Pentanone	7.39	43	605	0.221	ug/l #	38
76) 1,2,3-Trichloropropane	10.31	75	39429	23.663	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.31	75	39429	61.929	ug/l #	100

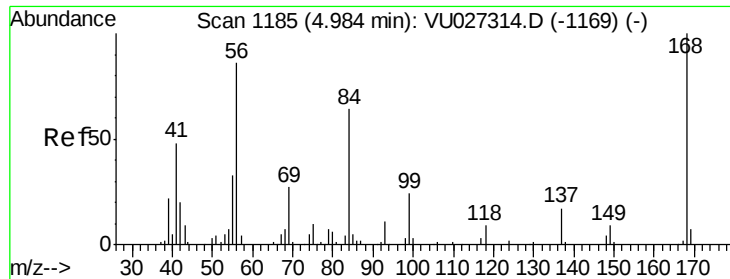
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Oct 02 02:04:34 2018
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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: VU027537.D

Acq: 09 Oct 2018 21:32

Instrument :

MSVOA_U

ClientSampleId :

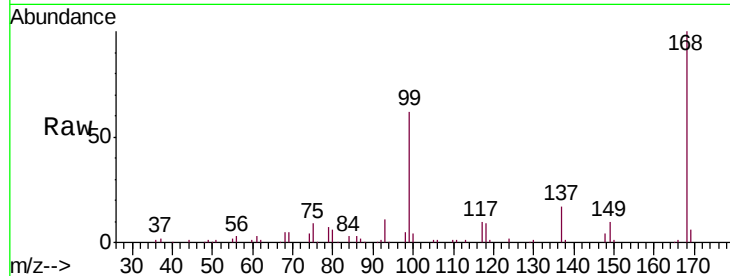
EB06-20181003

Tgt Ion:168 Resp: 116075

Ion Ratio Lower Upper

168 100

99 61.6 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) (-)

4.99

60000

50000

40000

30000

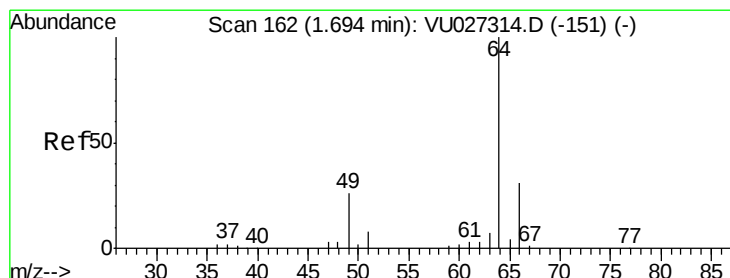
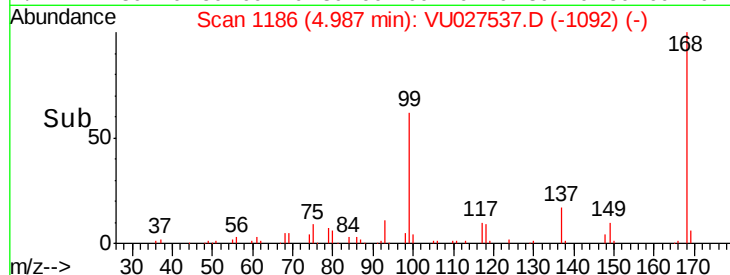
20000

10000

0

Time-->

4.90 5.00 5.10



#6

Chloroethane

Concen: 1.624 ug/l

RT: 1.63 min Scan# 141

Delta R.T. -0.07 min

Lab File: VU027537.D

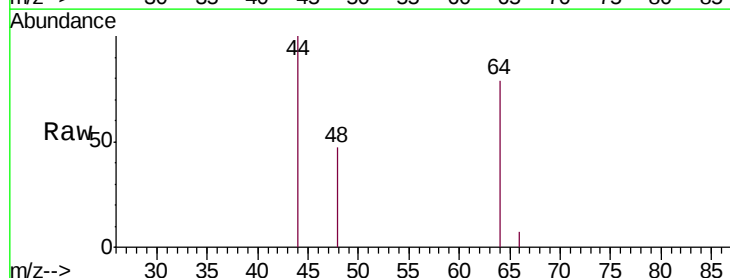
Acq: 09 Oct 2018 21:32

Tgt Ion: 64 Resp: 2079

Ion Ratio Lower Upper

64 100

66 15.9 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) (-)

1.63

1500

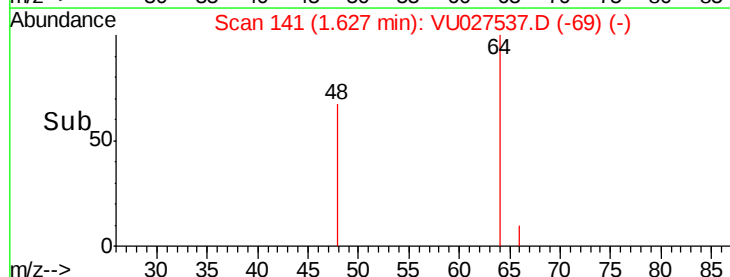
1000

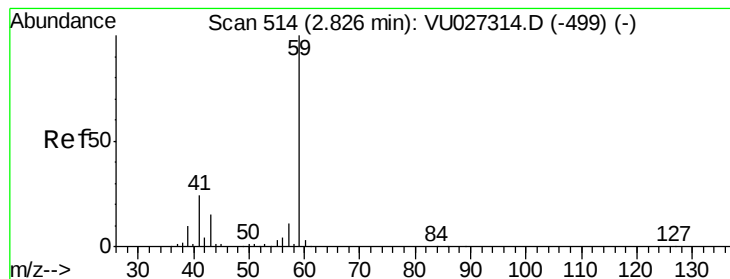
500

0

Time-->

1.55 1.60 1.65





#11

Tert butyl alcohol

Concen: 3.508 ug/l

RT: 2.84 min Scan# 517

Delta R.T. 0.01 min

Lab File: VU027537.D

Acq: 09 Oct 2018 21:32

Instrument :

MSVOA_U

ClientSampleId :

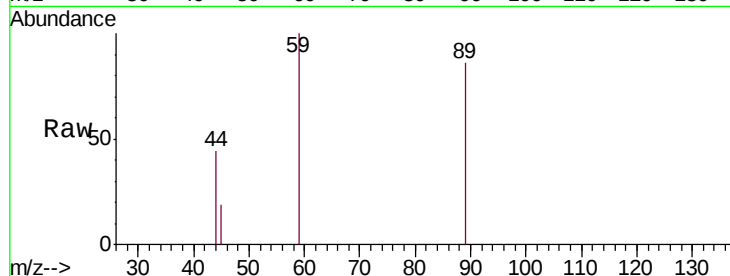
EB06-20181003

Tgt Ion: 59 Resp: 1432

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

2.84

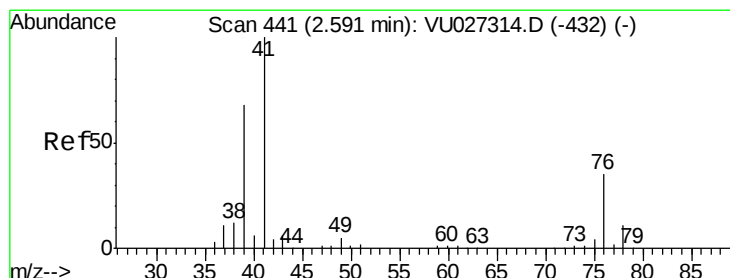
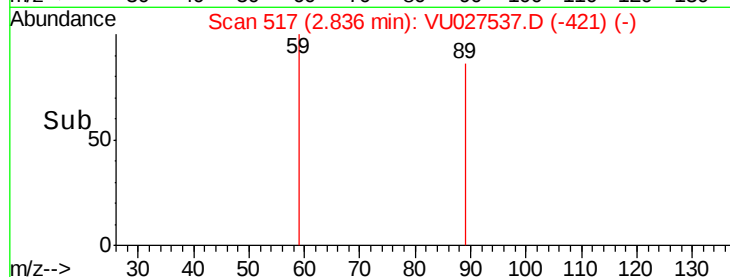
600

400

200

0

Time-->



#14

Allyl chloride

Concen: 1.400 ug/l

RT: 2.45 min Scan# 397

Delta R.T. -0.14 min

Lab File: VU027537.D

Acq: 09 Oct 2018 21:32

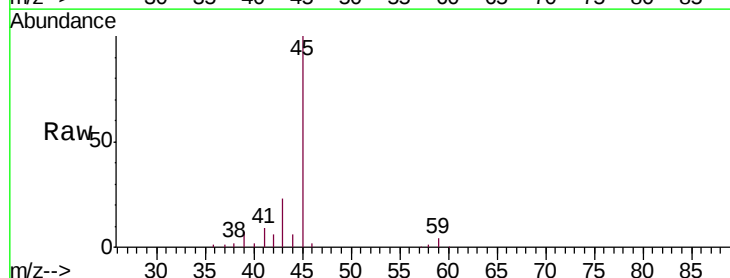
Tgt Ion: 41 Resp: 4077

Ion Ratio Lower Upper

41 100

39 86.0 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

3000

2500

2000

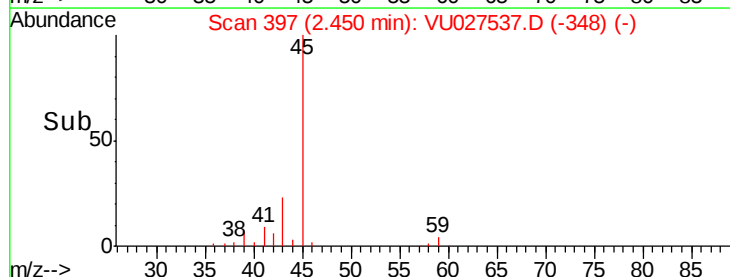
1500

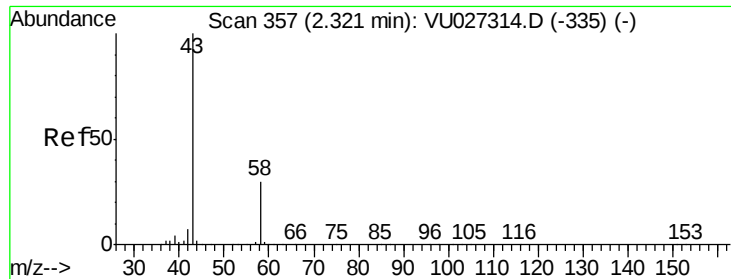
1000

500

0

Time-->





#16

Acetone

Concen: 4.796 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027537.D

Acq: 09 Oct 2018 21:32

Instrument :

MSVOA_U

ClientSampleId :

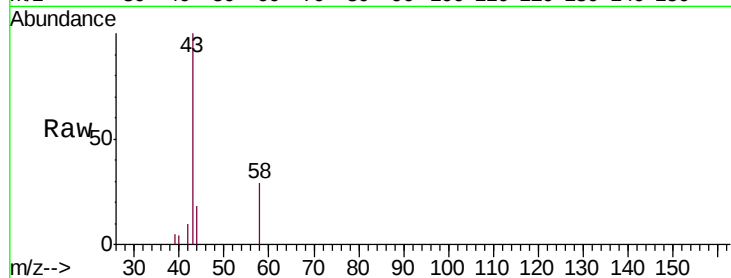
EB06-20181003

Tgt Ion: 43 Resp: 5492

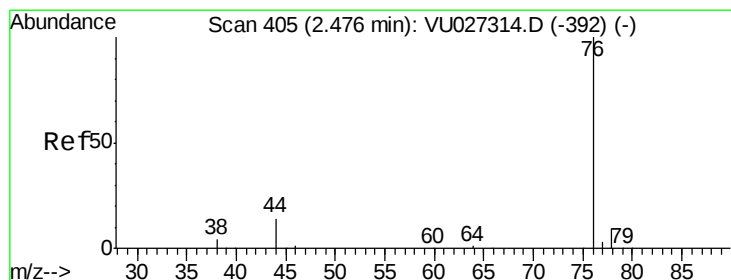
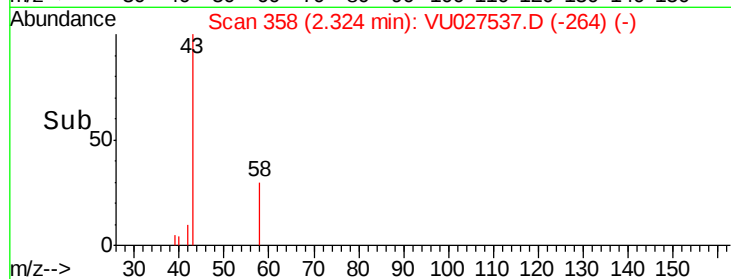
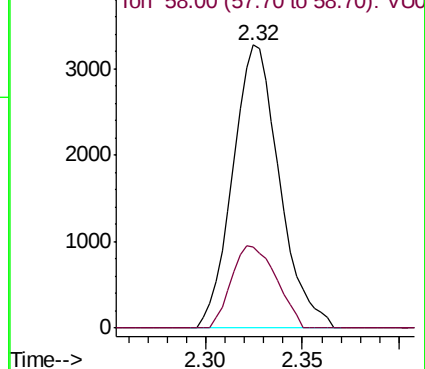
Ion Ratio Lower Upper

43 100

58 28.6 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VU027314.D (-335) (-)



#17

Carbon Disulfide

Concen: 0.226 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027537.D

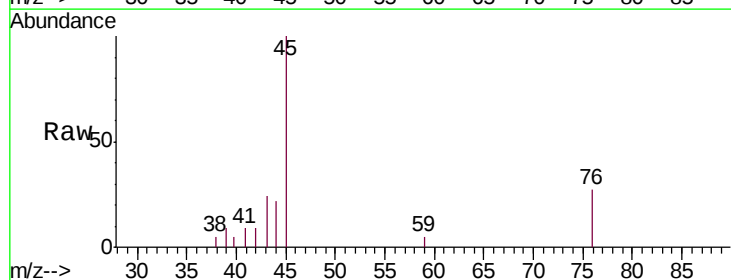
Acq: 09 Oct 2018 21:32

Tgt Ion: 76 Resp: 998

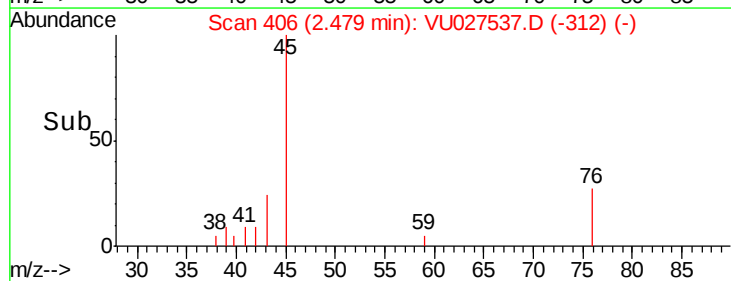
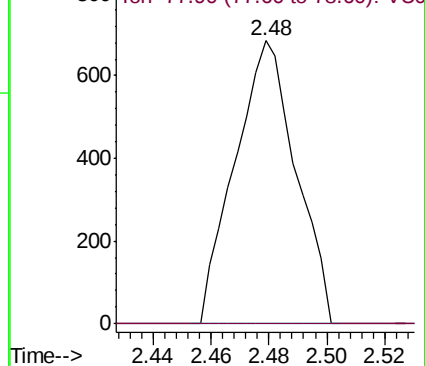
Ion Ratio Lower Upper

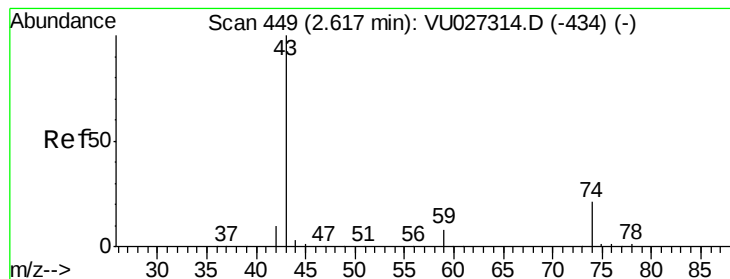
76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VU027314.D (-392) (-)





#18

Methyl Acetate

Concen: 4.292 ug/l

RT: 2.45 min Scan# 396

Delta R.T. -0.17 min

Lab File: VU027537.D

Acq: 09 Oct 2018 21:32

Instrument :

MSVOA_U

ClientSampleId :

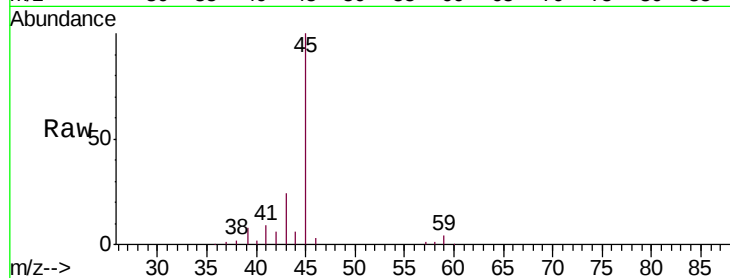
EB06-20181003

Tgt Ion: 43 Resp: 11212

Ion Ratio Lower Upper

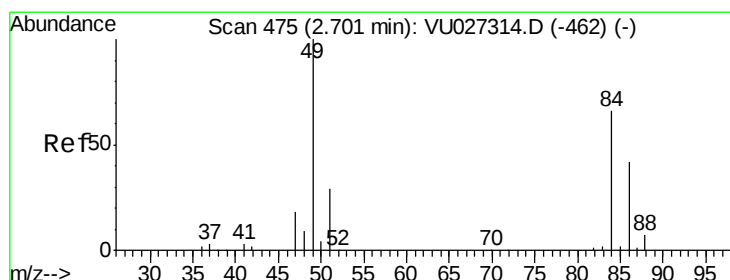
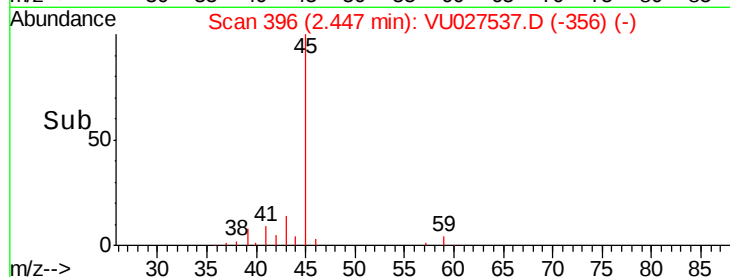
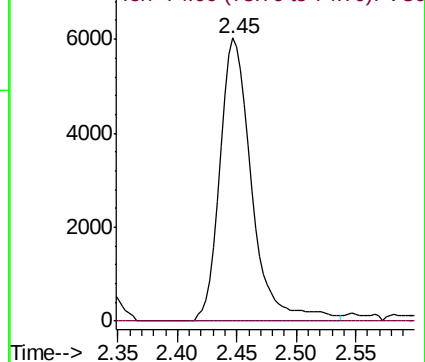
43 100

74 0.0 16.5 24.7#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#20

Methylene Chloride

Concen: 0.218 ug/l

RT: 2.71 min Scan# 477

Delta R.T. 0.01 min

Lab File: VU027537.D

Acq: 09 Oct 2018 21:32

Tgt Ion: 84 Resp: 348

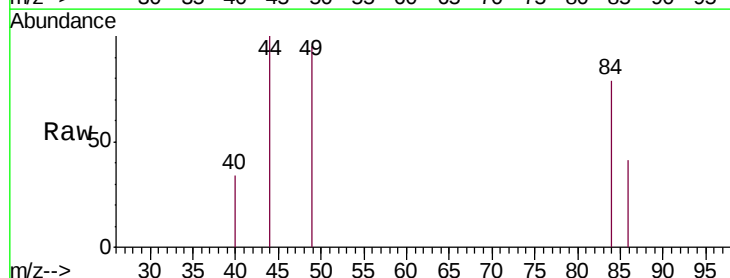
Ion Ratio Lower Upper

84 100

49 120.4 120.5 180.7#

51 0.0 35.1 52.7#

86 52.2 50.5 75.7

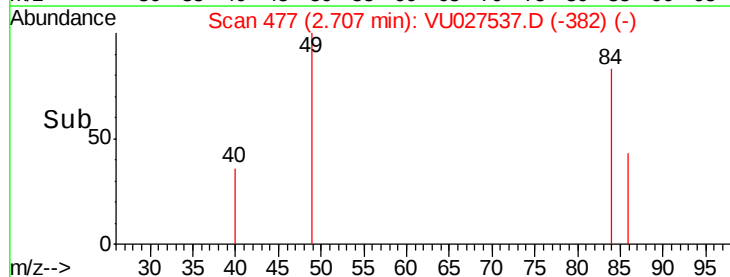
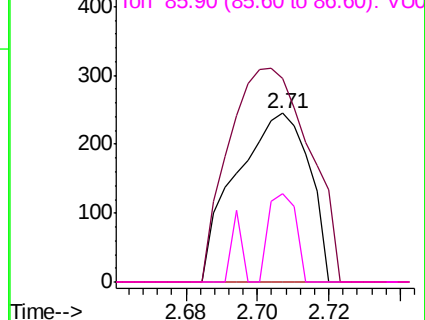


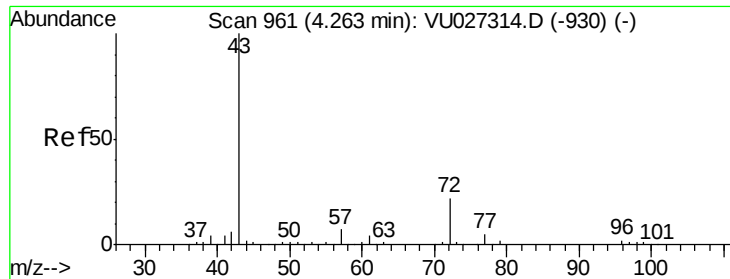
Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0

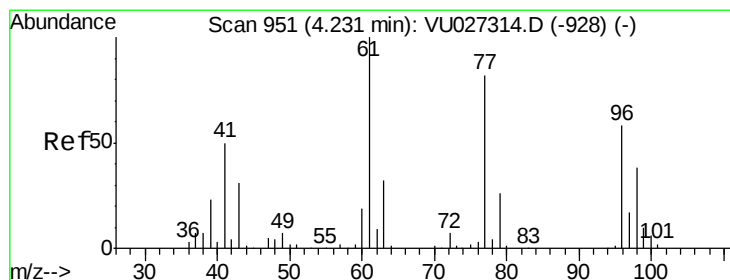
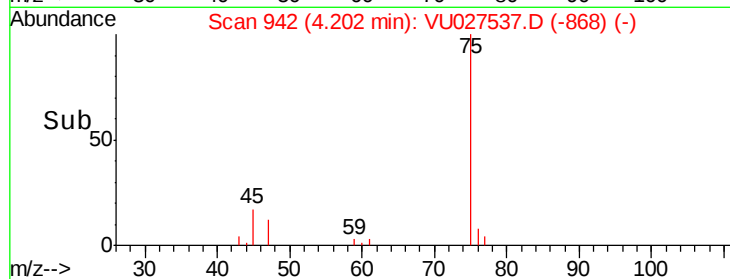
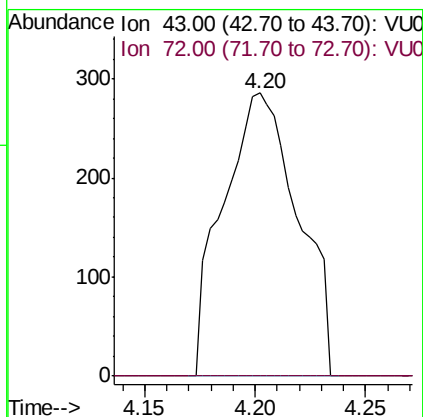
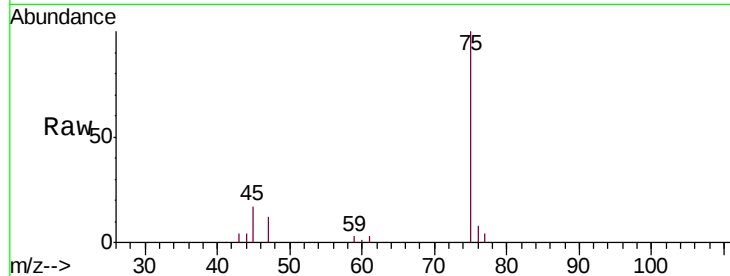




#25
 2-Butanone
 Concen: 0.432 ug/l
 RT: 4.20 min Scan# 942
 Delta R.T. -0.06 min
 Lab File: VU027537.D
 Acq: 09 Oct 2018 21:32

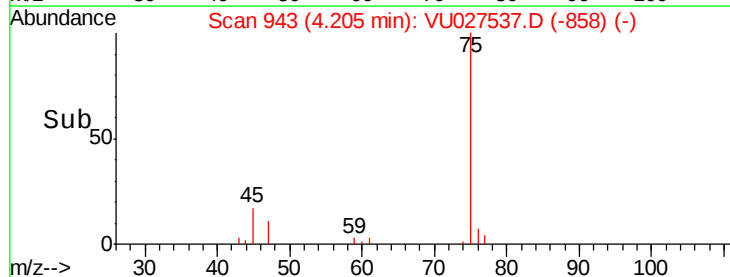
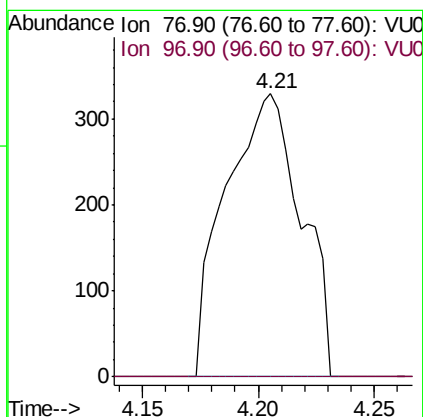
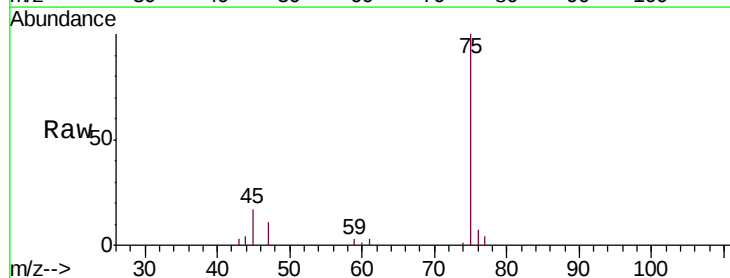
Instrument :
 MSVOA_U
 ClientSampleId :
 EB06-20181003

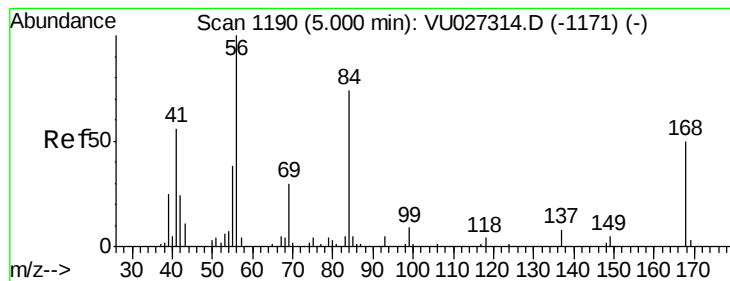
Tgt Ion: 43 Resp: 674
 Ion Ratio Lower Upper
 43 100
 72 0.0 17.8 26.6#



#26
 2,2-Dichloropropane
 Concen: 0.299 ug/l
 RT: 4.21 min Scan# 943
 Delta R.T. -0.03 min
 Lab File: VU027537.D
 Acq: 09 Oct 2018 21:32

Tgt Ion: 77 Resp: 747
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.4 31.1#





#31

Cyclohexane

Concen: 0.677 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.01 min

Lab File: VU027537.D

Acq: 09 Oct 2018 21:32

Instrument :
MSVOA_U
ClientSampleId :
EB06-20181003

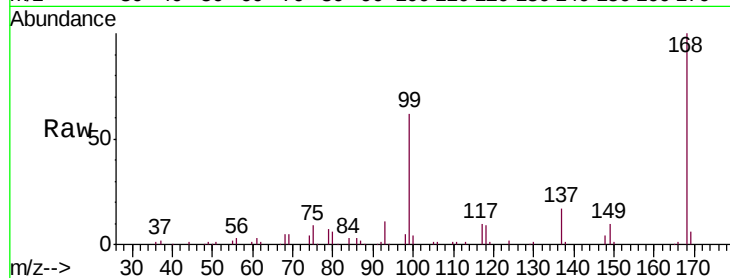
Tgt Ion: 56 Resp: 2833

Ion Ratio Lower Upper

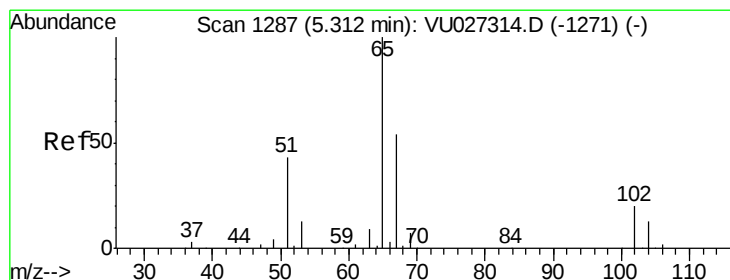
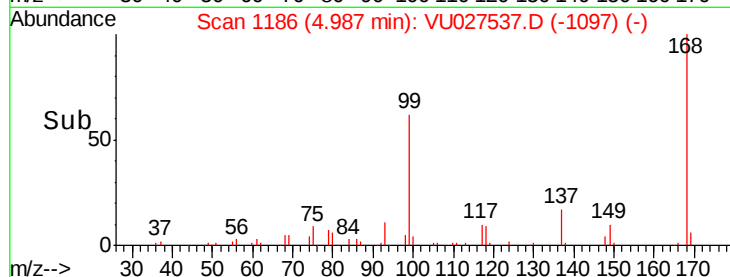
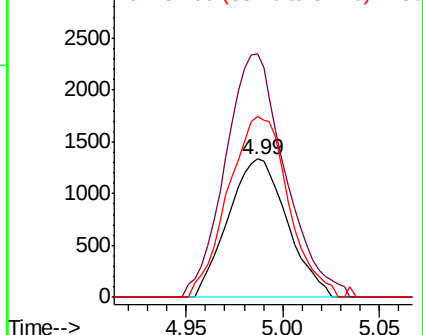
56 100

69 166.3 24.1 36.1#

84 130.8 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: 50.040 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU027537.D

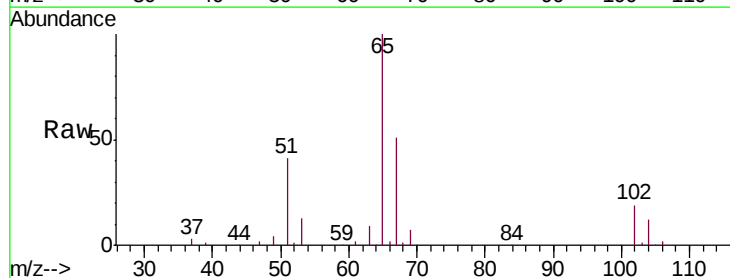
Acq: 09 Oct 2018 21:32

Tgt Ion: 65 Resp: 96990

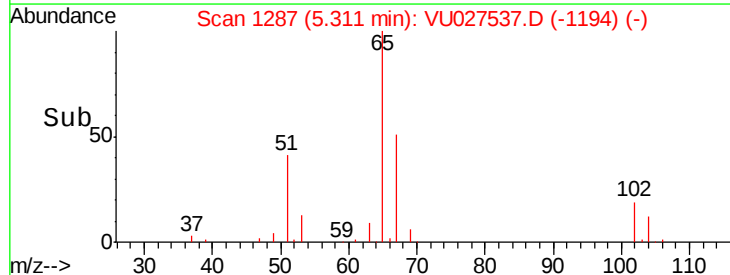
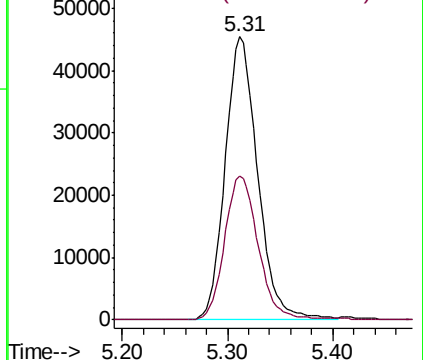
Ion Ratio Lower Upper

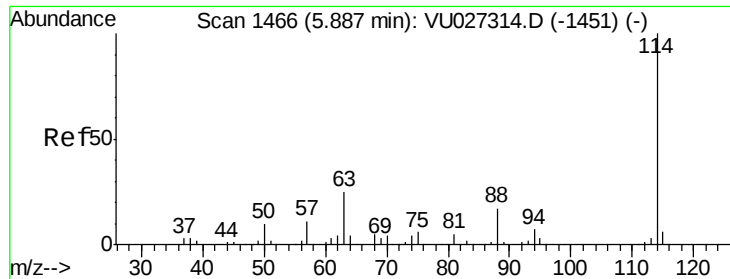
65 100

67 52.3 0.0 107.8



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

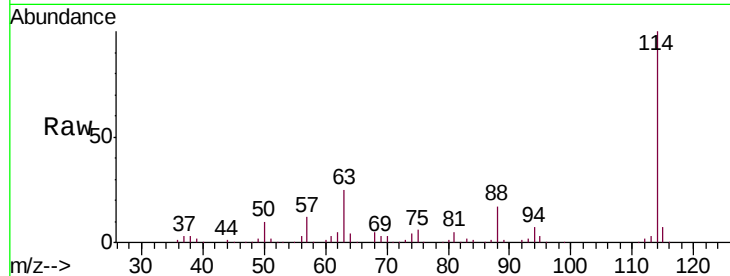




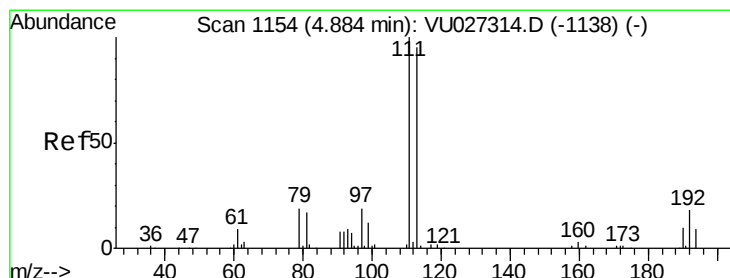
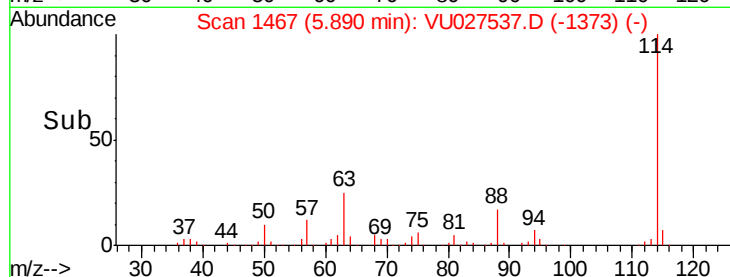
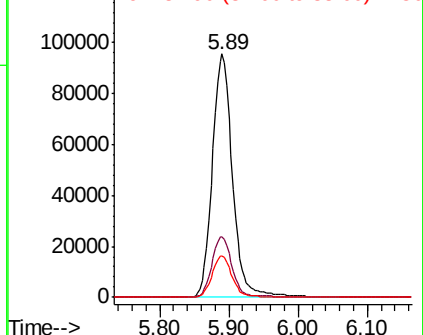
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027537.D
 Acq: 09 Oct 2018 21:32

Instrument :
 MSVOA_U
 ClientSampleId :
 EB06-20181003

Tgt Ion:114 Resp: 193549
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 50.2
 88 17.1 0.0 33.8

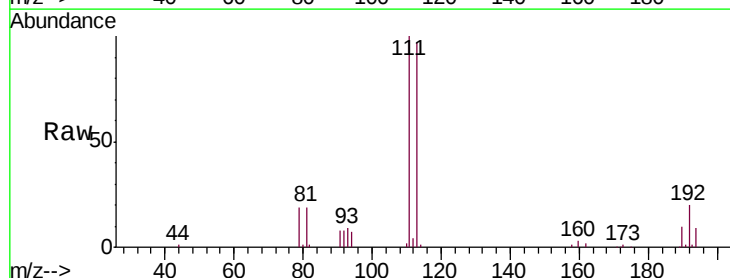


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

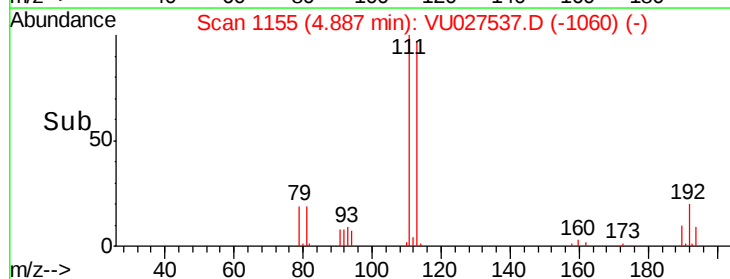
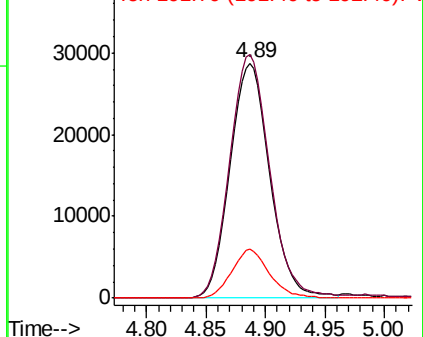


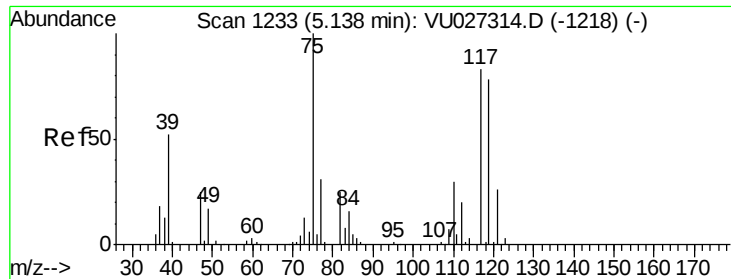
#35
 Dibromofluoromethane
 Concen: 50.267 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027537.D
 Acq: 09 Oct 2018 21:32

Tgt Ion:113 Resp: 66677
 Ion Ratio Lower Upper
 113 100
 111 104.5 83.1 124.7
 192 19.6 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

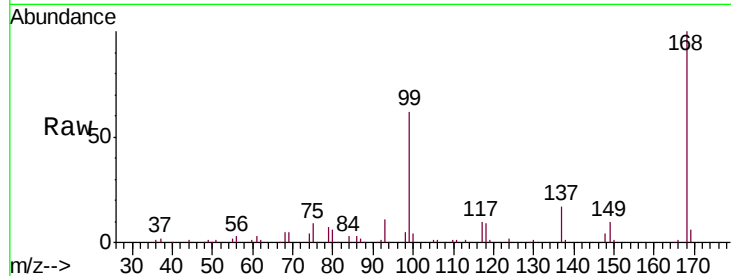




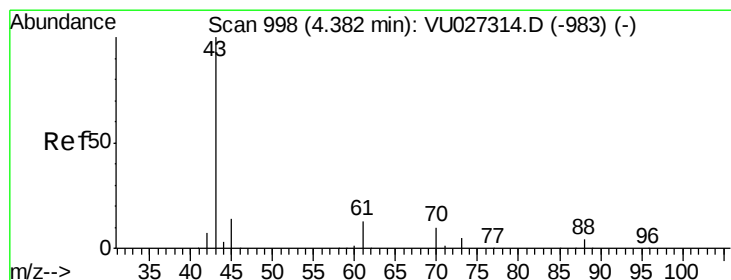
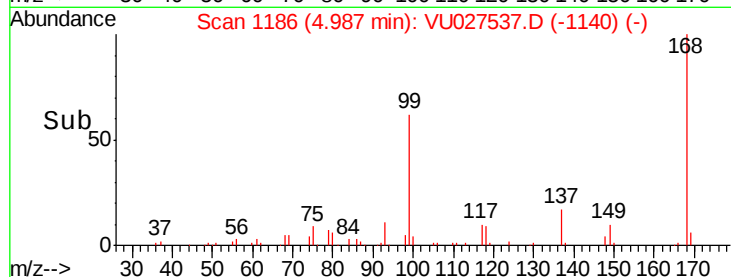
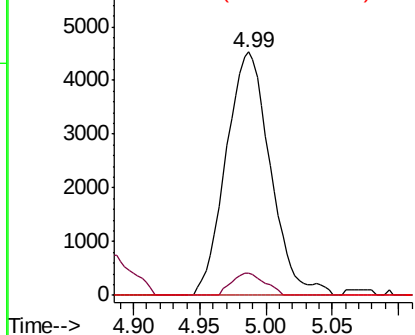
#36
 1,1-Dichloropropene
 Concen: 5.017 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027537.D
 Acq: 09 Oct 2018 21:32

Instrument :
 MSVOA_U
 ClientSampleId :
 EB06-20181003

Tgt Ion: 75 Resp: 10543
 Ion Ratio Lower Upper
 75 100
 110 6.8 15.5 46.5#
 77 0.0 25.4 38.0#

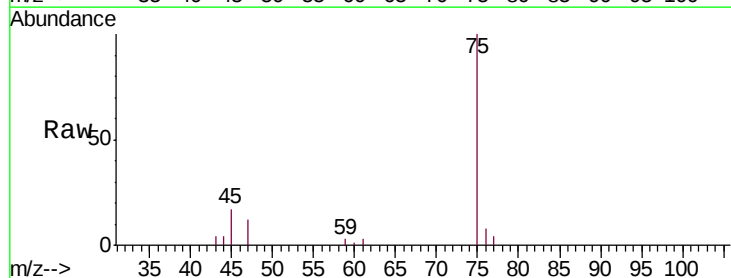


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): VU0
 Ion 76.90 (76.60 to 77.60): VU0

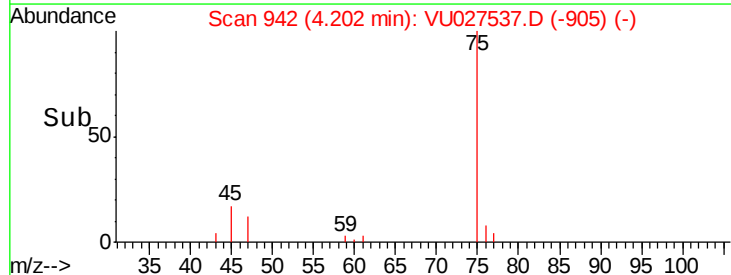
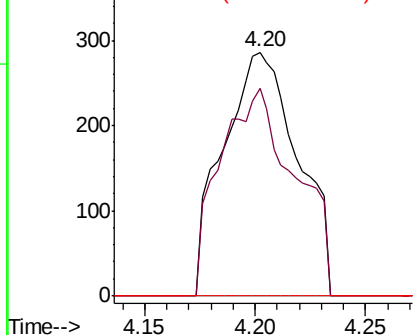


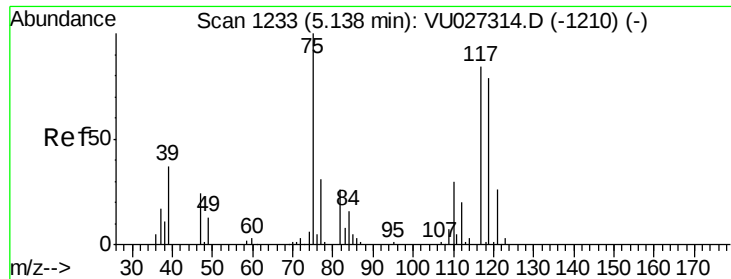
#37
 Ethyl Acetate
 Concen: 0.248 ug/l
 RT: 4.20 min Scan# 942
 Delta R.T. -0.18 min
 Lab File: VU027537.D
 Acq: 09 Oct 2018 21:32

Tgt Ion: 43 Resp: 674
 Ion Ratio Lower Upper
 43 100
 61 85.5 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

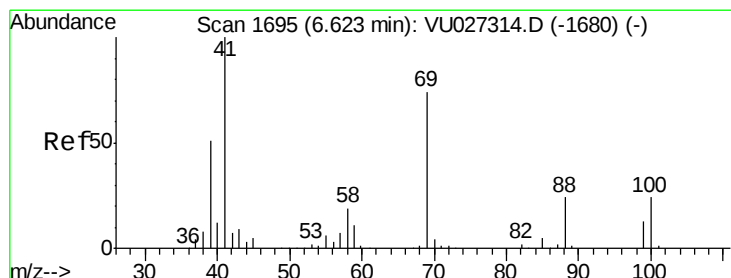
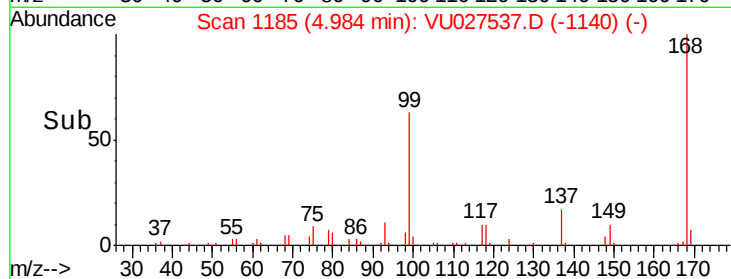
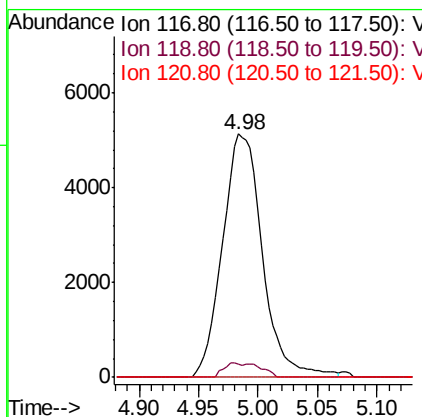
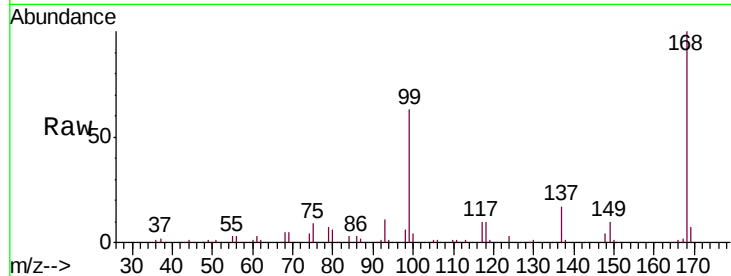




#38
 Carbon Tetrachloride
 Concen: 6.286 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027537.D
 Acq: 09 Oct 2018 21:32

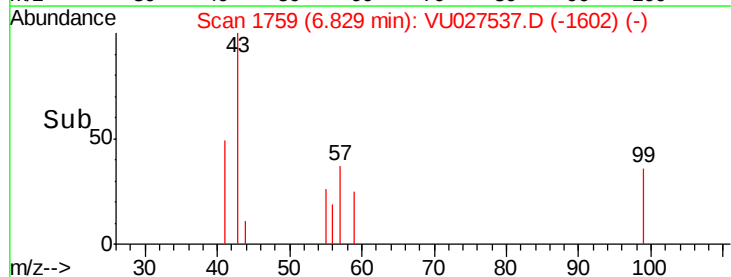
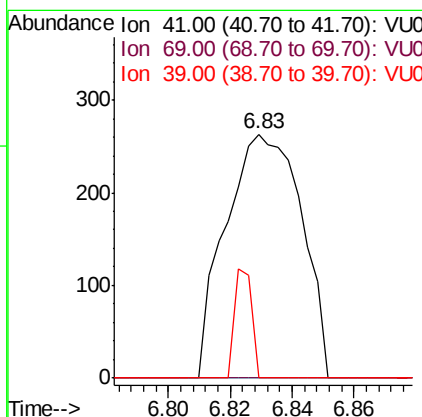
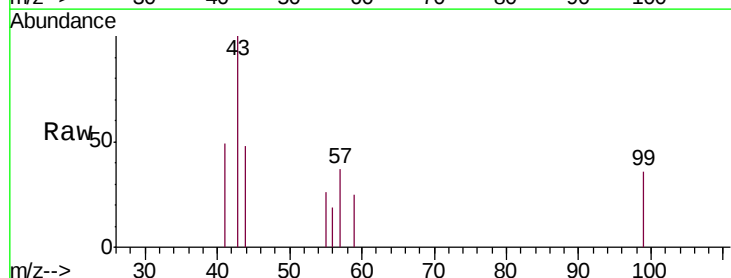
Instrument :
 MSVOA_U
 ClientSampleId :
 EB06-20181003

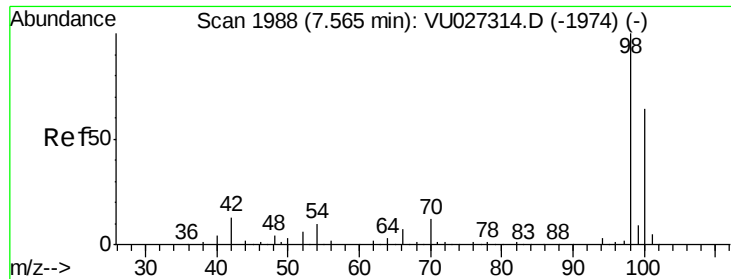
Tgt Ion: 117 Resp: 11933
 Ion Ratio Lower Upper
 117 100
 119 5.3 74.5 111.7#
 121 0.0 24.6 37.0#



#48
 Methyl methacrylate
 Concen: 0.214 ug/l
 RT: 6.83 min Scan# 1759
 Delta R.T. 0.21 min
 Lab File: VU027537.D
 Acq: 09 Oct 2018 21:32

Tgt Ion: 41 Resp: 449
 Ion Ratio Lower Upper
 41 100
 69 0.0 61.0 91.4#
 39 9.8 39.9 59.9#

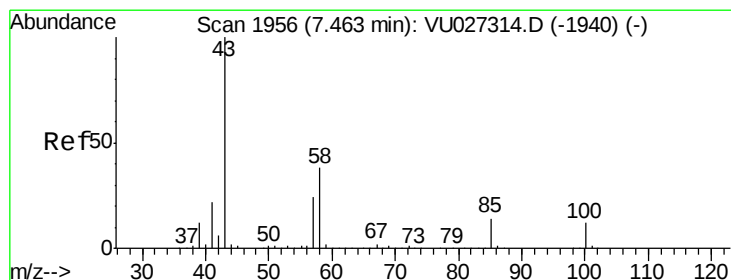
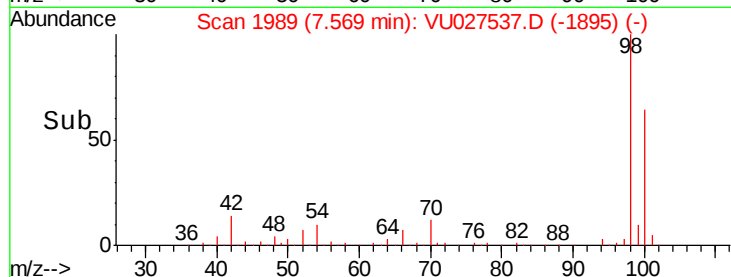
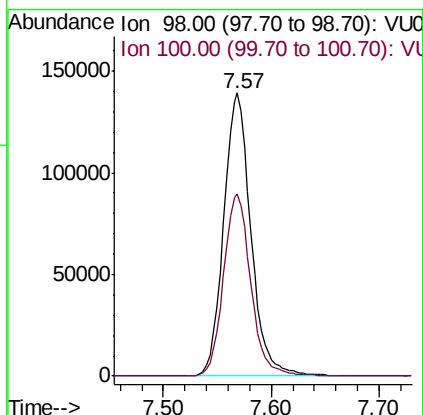
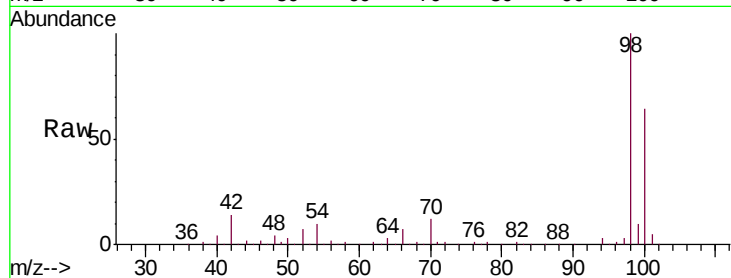




#50
Toluene-d8
Concen: 49.297 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027537.D
Acq: 09 Oct 2018 21:32

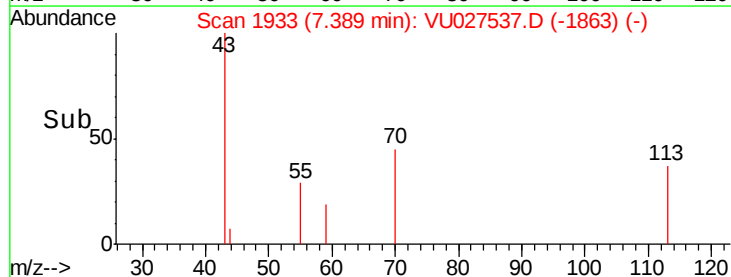
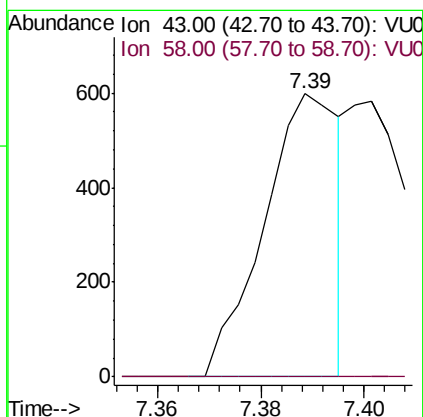
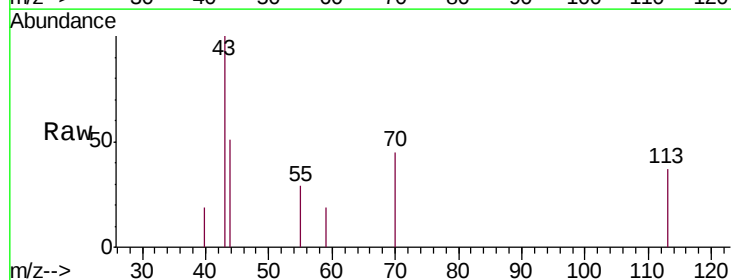
Instrument :
MSVOA_U
ClientSampleId :
EB06-20181003

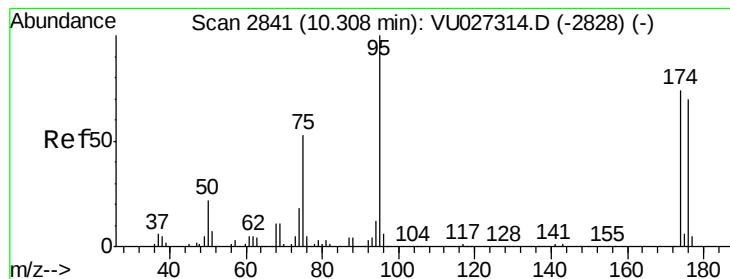
Tgt Ion: 98 Resp: 244736
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.221 ug/l
RT: 7.39 min Scan# 1933
Delta R.T. -0.07 min
Lab File: VU027537.D
Acq: 09 Oct 2018 21:32

Tgt Ion: 43 Resp: 605
Ion Ratio Lower Upper
43 100
58 0.0 29.8 44.8#





#62

4-Bromofluorobenzene

Concen: 39.329 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027537.D

Acq: 09 Oct 2018 21:32

Instrument :

MSVOA_U

ClientSampleId :

EB06-20181003

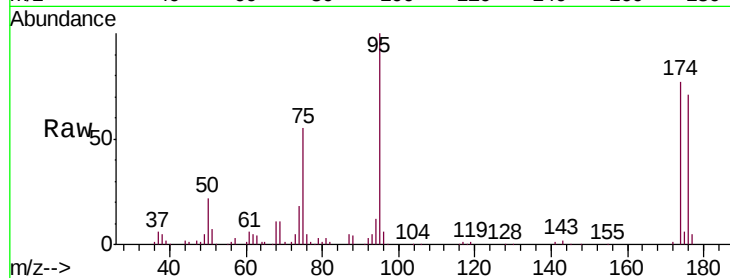
Tgt Ion: 95 Resp: 72562

Ion Ratio Lower Upper

95 100

174 77.0 0.0 147.8

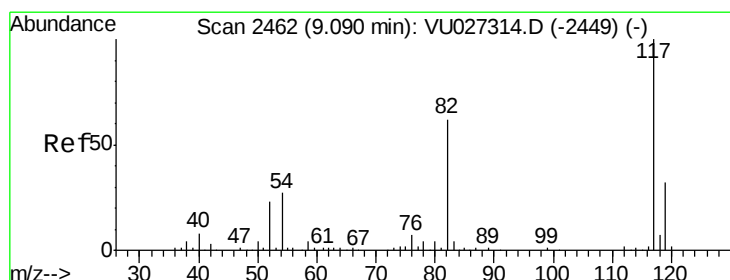
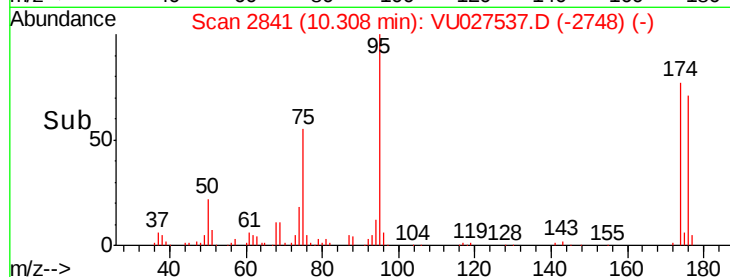
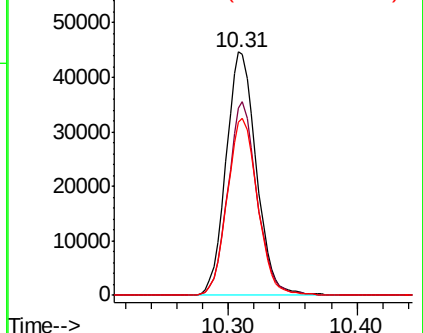
176 73.1 0.0 140.8



Abundance Ion 94.90 (94.60 to 95.60): VU027537.D (-2748) (-)

Ion 173.80 (173.50 to 174.50): VU027537.D (-2748) (-)

Ion 175.80 (175.50 to 176.50): VU027537.D (-2748) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VU027537.D

Acq: 09 Oct 2018 21:32

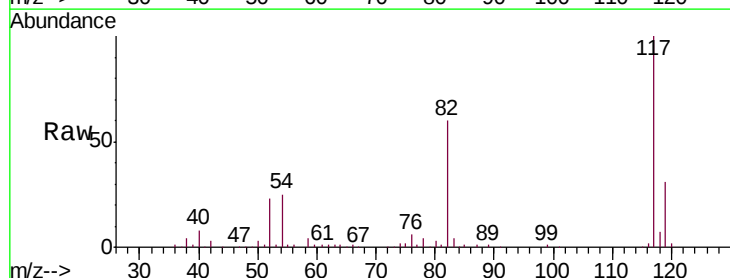
Tgt Ion: 117 Resp: 166587

Ion Ratio Lower Upper

117 100

82 60.3 49.2 73.8

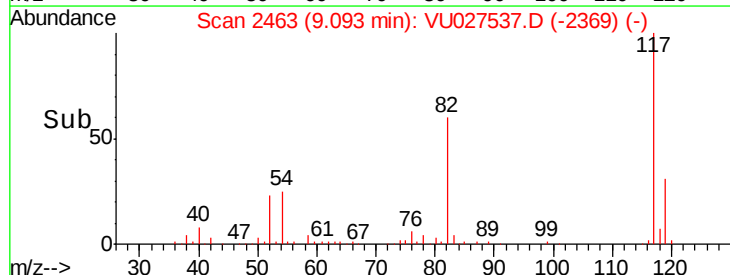
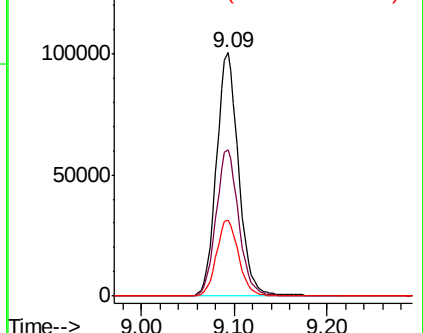
119 31.3 25.7 38.5

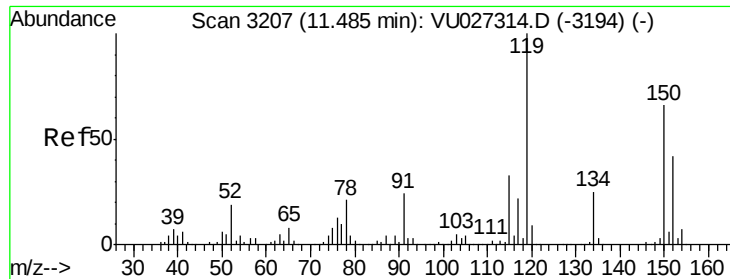


Abundance Ion 116.90 (116.60 to 117.60): VU027537.D (-2369) (-)

Ion 82.00 (81.70 to 82.70): VU027537.D (-2369) (-)

Ion 118.90 (118.60 to 119.60): VU027537.D (-2369) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU027537.D

Acq: 09 Oct 2018 21:32

Instrument :

MSVOA_U

ClientSampleId :

EB06-20181003

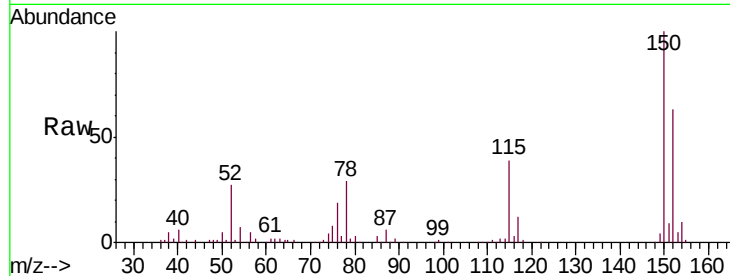
Tgt Ion:152 Resp: 64279

Ion Ratio Lower Upper

152 100

115 62.0 43.4 130.2

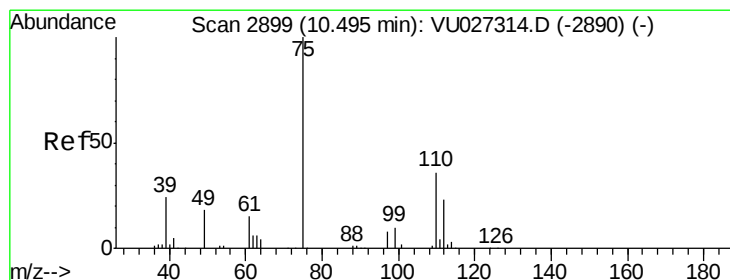
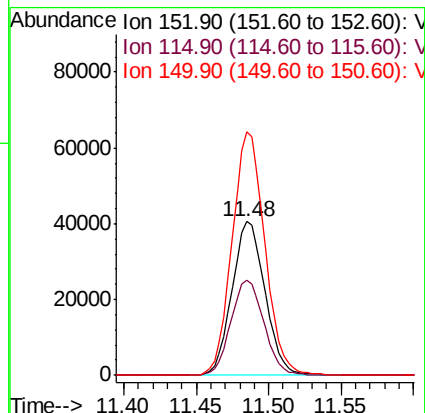
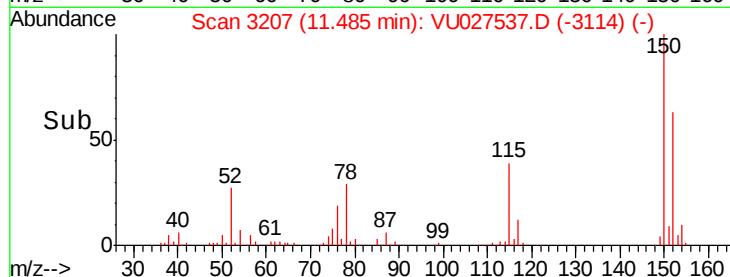
150 156.4 0.0 349.2



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



#76

1,2,3-Trichloropropane

Concen: 23.663 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027537.D

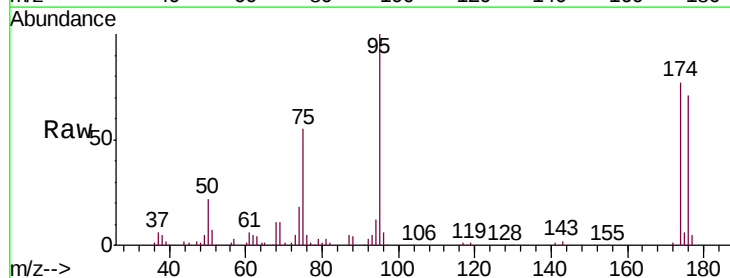
Acq: 09 Oct 2018 21:32

Tgt Ion: 75 Resp: 39429

Ion Ratio Lower Upper

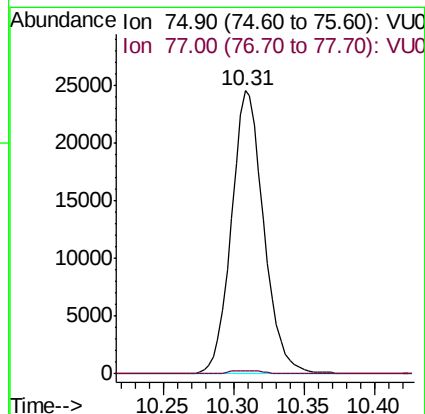
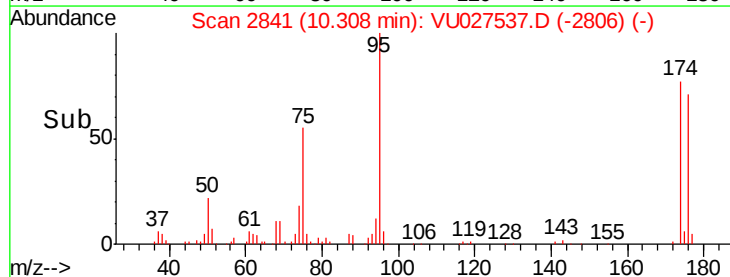
75 100

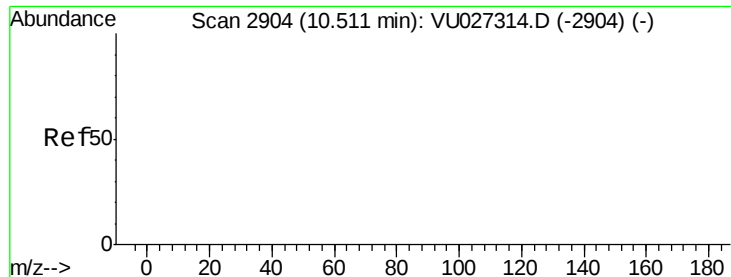
77 1.2 20.3 60.9#



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: 61.929 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU027537.D

Acq: 09 Oct 2018 21:32

Instrument :

MSVOA_U

ClientSampleId :

EB06-20181003

Tgt Ion: 75 Resp: 39429

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0

