

Data File : VU027611.D
Acq On : 12 Oct 2018 08:39
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFB42

Quant Time: Oct 13 01:36:34 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 10 08:24:11 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	195465	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	180700	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	87152	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	68436	44.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.98%
7) Chloroethane-d5	1.68	69	53374	45.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.08%
11) 1,1-Dichloroethene-d2	2.28	63	133489	46.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.52%
21) 2-Butanone-d5	4.18	46	111527	89.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.81%
24) Chloroform-d	4.65	84	118317	48.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.18%
26) 1,2-Dichloroethane-d4	5.31	65	77582	45.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.00%
32) Benzene-d6	5.34	84	239122	46.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.34%
36) 1,2-Dichloropropane-d6	6.33	67	81157	45.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.50%
41) Toluene-d8	7.57	98	210645	45.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.02%
43) trans-1,3-Dichloropropene-	7.85	79	37638	44.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.06%
47) 2-Hexanone-d5	8.31	63	80591	89.95	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.95%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	105770	45.60	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	75690	44.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.78%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	96774	49.924	ug/L 100
3) Chloromethane	1.33	50	114202	51.272	ug/L 99
5) Vinyl chloride	1.40	62	108174	49.700	ug/L 98
6) Bromomethane	1.62	94	47201	49.625	ug/L 96
8) Chloroethane	1.70	64	60668	46.511	ug/L 100
9) Trichlorofluoromethane	1.89	101	112633	51.699	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	67303	52.035	ug/L 99
12) 1,1-Dichloroethene	2.29	96	62620	49.595	ug/L 95
13) Acetone	2.32	43	130370	127.998	ug/L 99
14) Carbon disulfide	2.48	76	211170	45.530	ug/L 99
15) Methyl Acetate	2.62	43	108077	52.953	ug/L 100
16) Methylene chloride	2.70	84	78692	51.314	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	68930	49.299	ug/L 99
18) Methyl tert-butyl Ether	3.00	73	245728	52.857	ug/L 100
19) 1,1-Dichloroethane	3.45	63	151118	52.343	ug/L 100
20) cis-1,2-Dichloroethene	4.23	96	78967	50.912	ug/L 100
22) 2-Butanone	4.26	43	166034	113.878	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	36699	51.884	ug/L	97
25) Chloroform	4.67	83	139258	49.932	ug/L	100
27) 1,2-Dichloroethane	5.41	62	115084	51.380	ug/L	99
29) Cyclohexane	5.00	56	141373	51.580	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	114518	52.968	ug/L	99
31) Carbon tetrachloride	5.14	117	98472	54.151	ug/L	99
33) Benzene	5.39	78	315779	53.179	ug/L	100
34) Trichloroethene	6.19	95	73444	51.429	ug/L	99
35) Methylcyclohexane	6.42	83	125851	50.721	ug/L	99
37) 1,2-Dichloropropane	6.43	63	92111	53.541	ug/L	100
38) Bromodichloromethane	6.76	83	105090	53.755	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	132402	52.376	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	274635	109.013	ug/L	99
42) Toluene	7.64	91	311403	52.266	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	124244	52.949	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	73992	53.577	ug/L	99
46) Tetrachloroethene	8.23	164	55323	52.126	ug/L	99
48) 2-Hexanone	8.36	43	224458	112.834	ug/L	99
49) Dibromochloromethane	8.48	129	78293	54.369	ug/L	99
50) 1,2-Dibromoethane	8.59	107	75402	51.463	ug/L	97
51) Chlorobenzene	9.12	112	193178	51.285	ug/L	99
52) Ethylbenzene	9.25	91	343640	51.945	ug/L	99
53) m,p-Xylene	9.38	106	127108	52.495	ug/L	98
54) o-xylene	9.78	106	124297	53.285	ug/L	100
55) Styrene	9.79	104	214393	53.672	ug/L	99
56) Isopropylbenzene	10.17	105	329902	53.966	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	129151	53.374	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	105205	54.014	ug/L	100
61) Bromoform	9.96	173	56013	56.564	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	138481	51.054	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	143358	50.669	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	145112	52.554	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	27703	54.122	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	106209	50.681	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	94579	49.076	ug/L	99
69) Naphthalene	13.74	128	317201	53.378	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	99603	50.823	ug/L	99

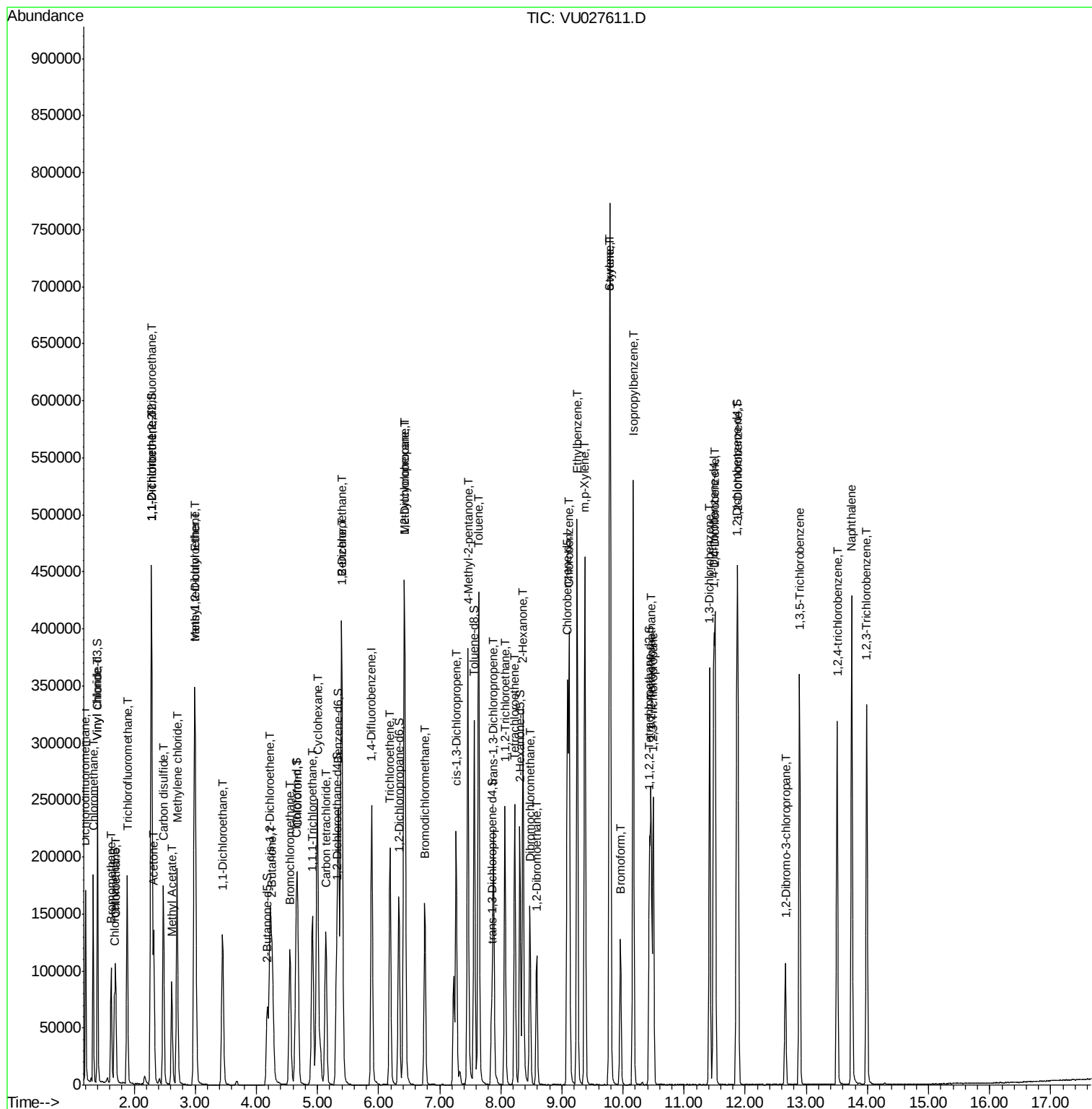
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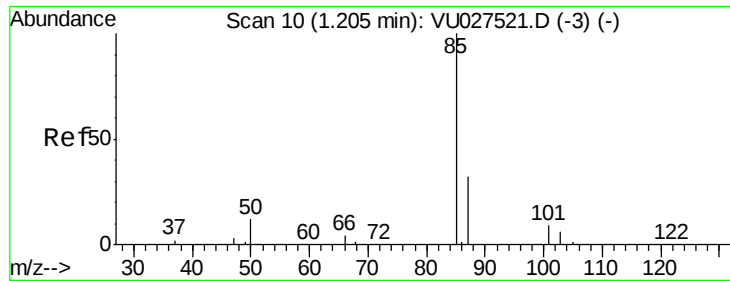
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#2

Dichlorodifluoromethane

Concen: 49.924 ug/L

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027611.D

Acq: 12 Oct 2018 08:39

Instrument :

MSVOA_U

ClientSampled :

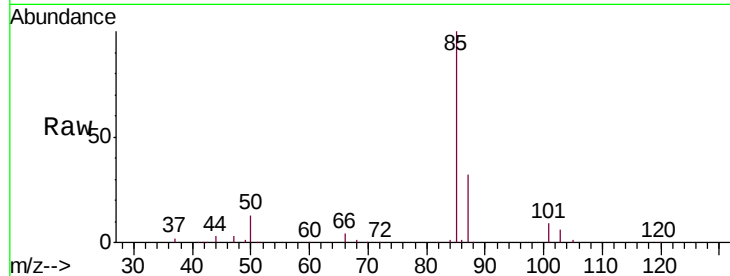
BFB42

Tgt Ion: 85 Resp: 96774

Ion Ratio Lower Upper

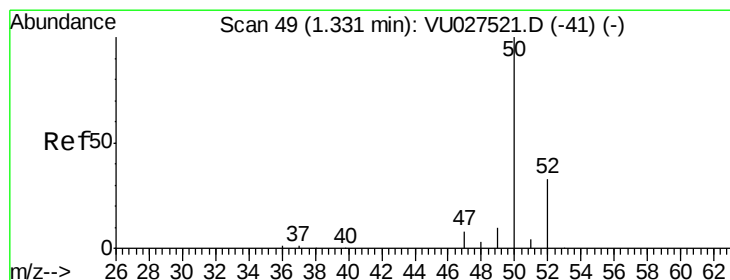
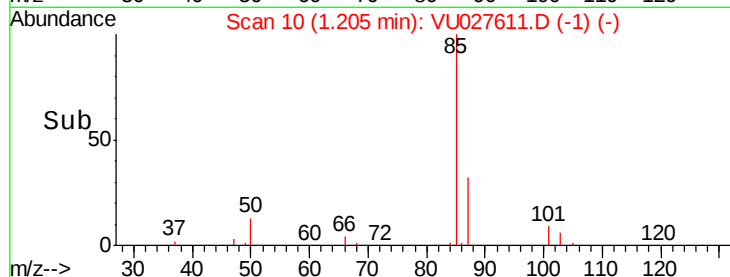
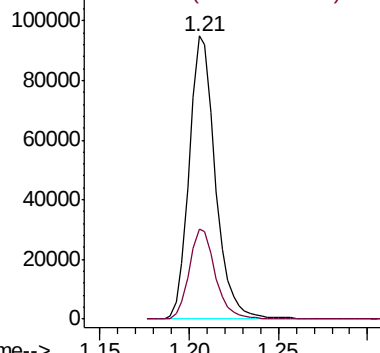
85 100

87 31.8 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 51.272 ug/L

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027611.D

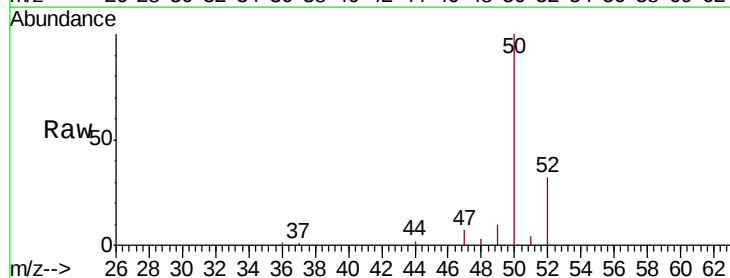
Acq: 12 Oct 2018 08:39

Tgt Ion: 50 Resp: 114202

Ion Ratio Lower Upper

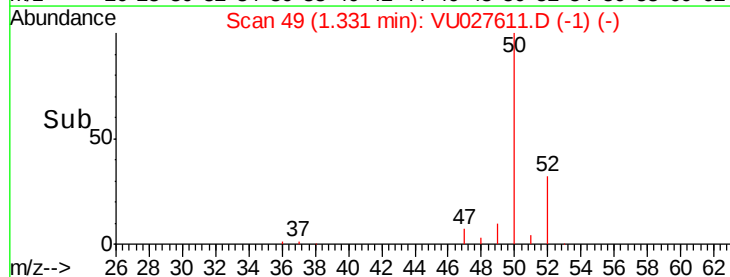
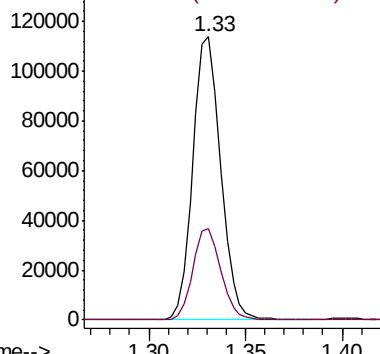
50 100

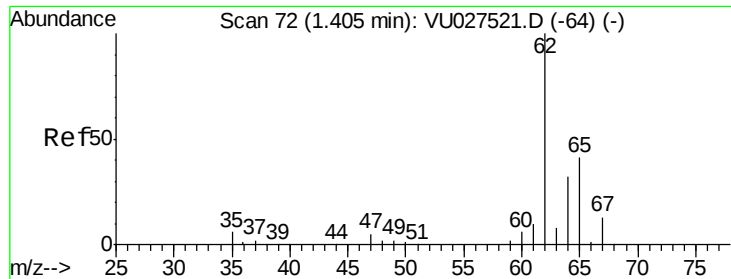
52 32.1 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 49.700 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU027611.D

Acq: 12 Oct 2018 08:39

Instrument :

MSVOA_U

ClientSampleId :

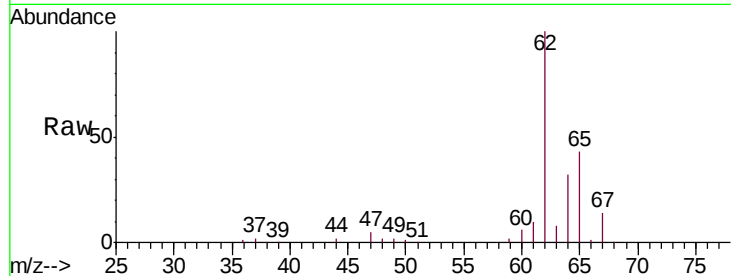
BFB42

Tgt Ion: 62 Resp: 108174

Ion Ratio Lower Upper

62 100

64 32.5 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

120000

100000

80000

60000

40000

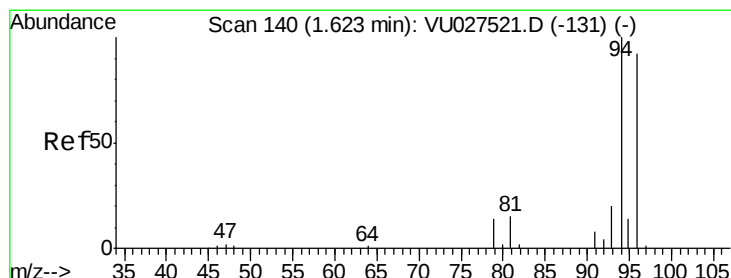
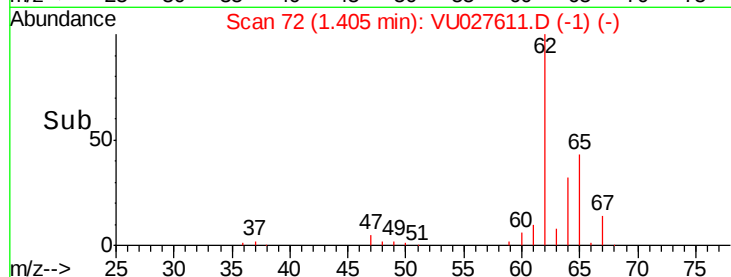
20000

0

1.40

1.35 1.40 1.45

Time-->



#6

Bromomethane

Concen: 49.625 ug/L

RT: 1.62 min Scan# 140

Delta R.T. -0.00 min

Lab File: VU027611.D

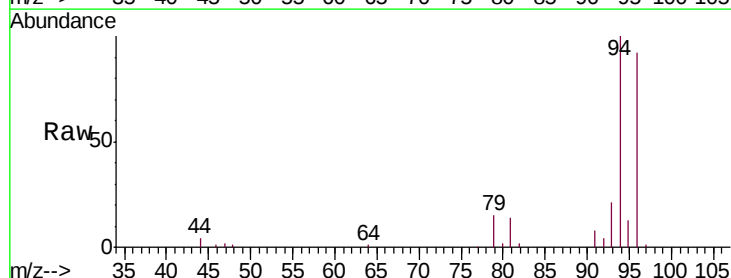
Acq: 12 Oct 2018 08:39

Tgt Ion: 94 Resp: 47201

Ion Ratio Lower Upper

94 100

96 91.5 66.6 123.8



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

40000

30000

20000

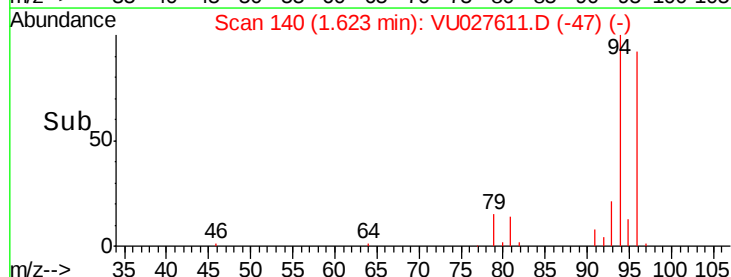
10000

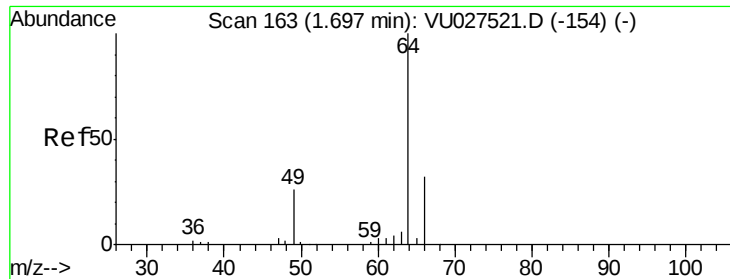
0

1.62

1.55 1.60 1.65 1.70 1.75

Time-->





#8

Chloroethane

Concen: 46.511 ug/L

RT: 1.70 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU027611.D

Acq: 12 Oct 2018 08:39

Instrument :

MSVOA_U

ClientSampleId :

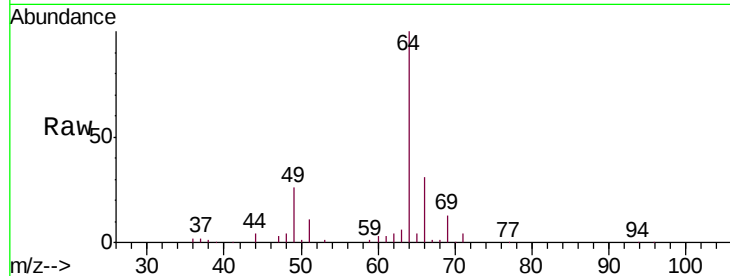
BFB42

Tgt Ion: 64 Resp: 60668

Ion Ratio Lower Upper

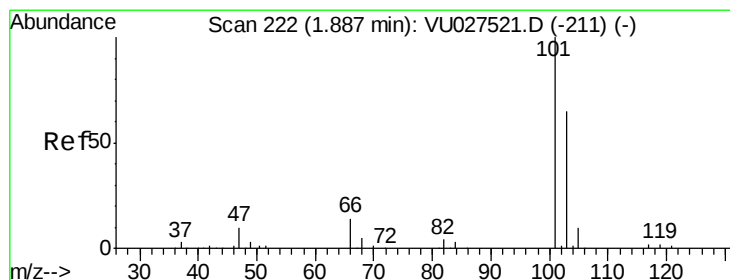
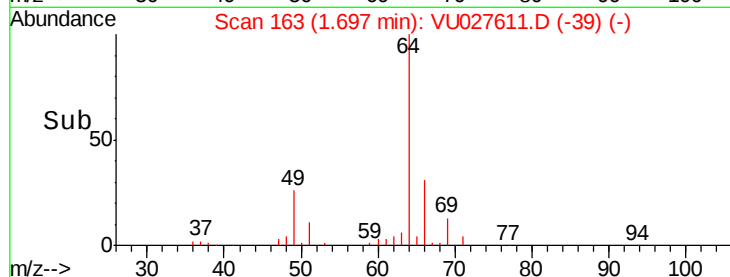
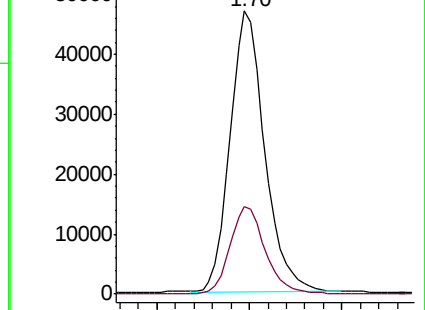
64 100

66 31.1 22.0 40.8



Abundance Ion 64.00 (63.70 to 64.70): VU027521.D (-154) (-)

Ion 66.00 (65.70 to 66.70): VU027521.D (-154) (-)



#9

Trichlorofluoromethane

Concen: 51.699 ug/L

RT: 1.89 min Scan# 222

Delta R.T. -0.00 min

Lab File: VU027611.D

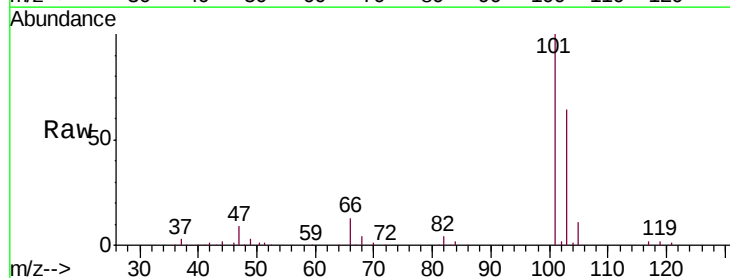
Acq: 12 Oct 2018 08:39

Tgt Ion: 101 Resp: 112633

Ion Ratio Lower Upper

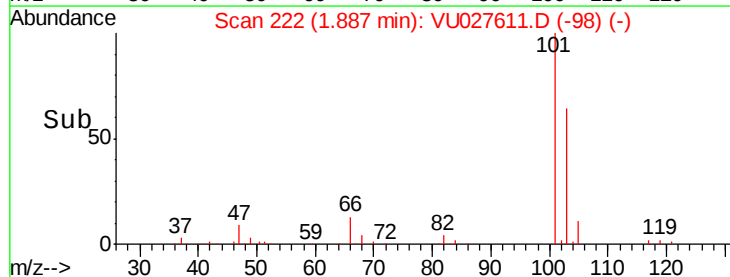
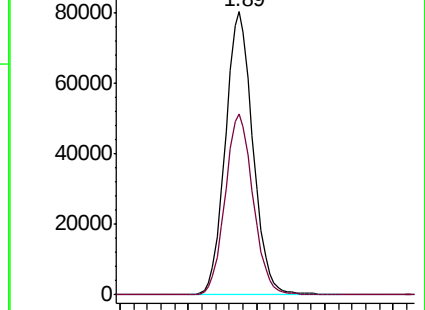
101 100

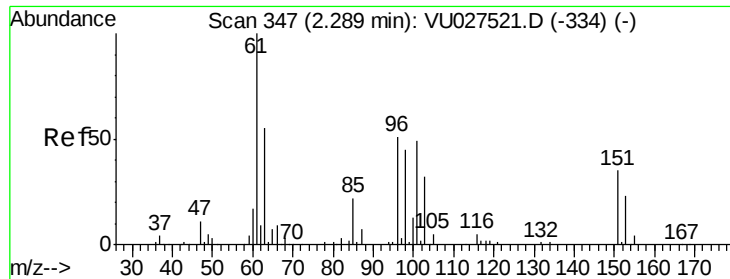
103 64.9 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU027521.D (-211) (-)

Ion 103.00 (102.70 to 103.70): VU027521.D (-211) (-)





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 52.035 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU027611.D

Acq: 12 Oct 2018 08:39

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ClientSampleId :

BFB42

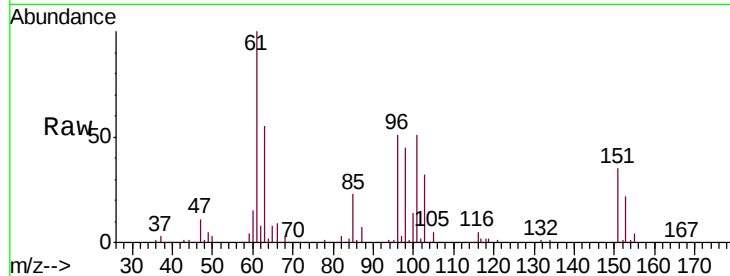
Tgt Ion: 101 Resp: 67303

Ion Ratio Lower Upper

101 100

85 46.1 35.9 53.9

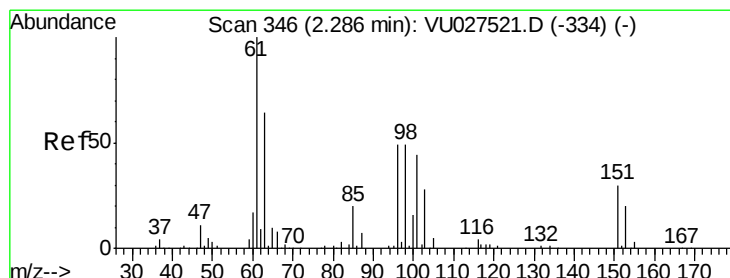
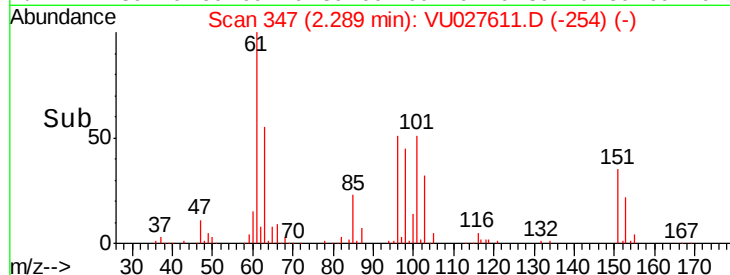
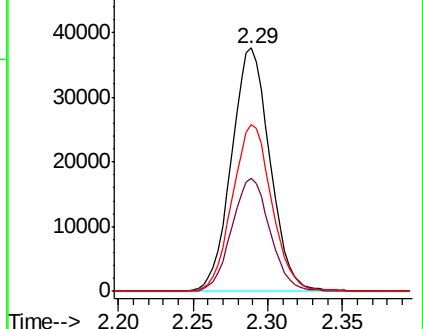
151 70.3 55.7 83.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 49.595 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027611.D

Acq: 12 Oct 2018 08:39

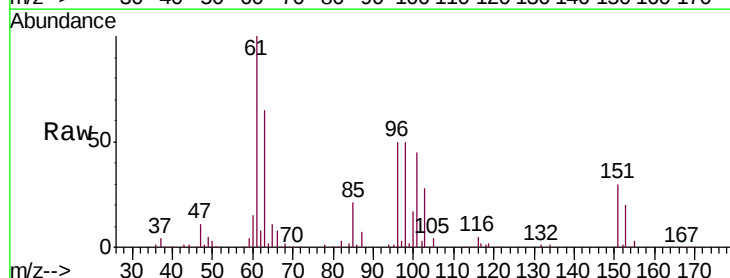
Tgt Ion: 96 Resp: 62620

Ion Ratio Lower Upper

96 100

61 200.3 135.2 251.0

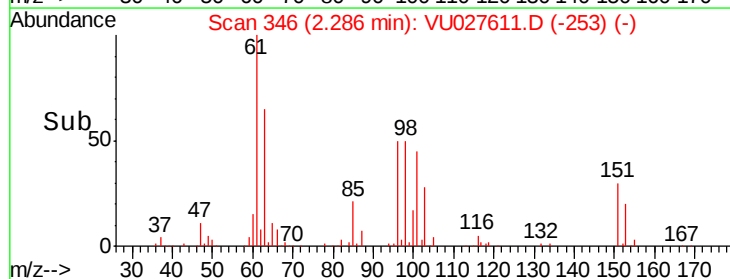
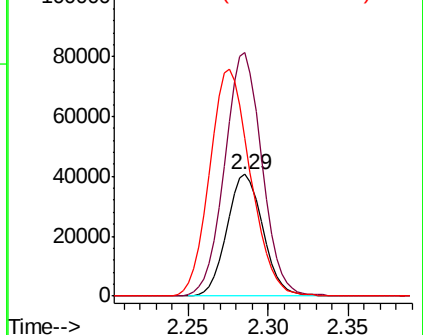
63 129.7 94.3 175.1

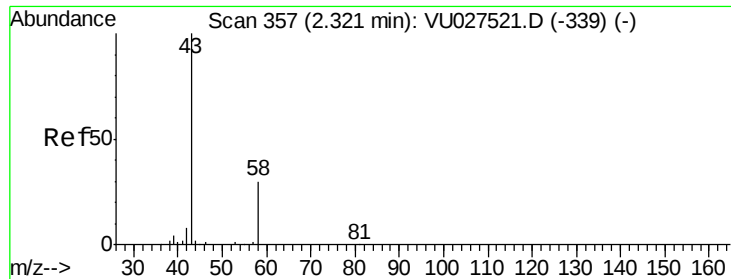


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 127.998 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027611.D

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MSVOA_U

ClientSampleId :

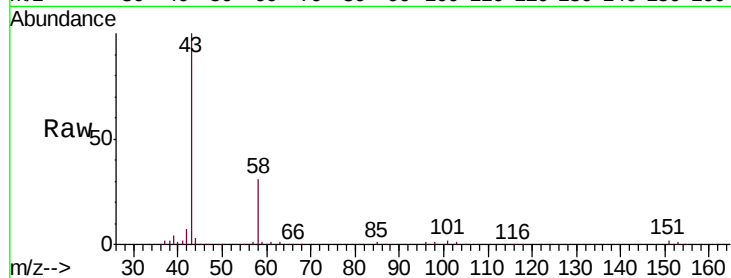
BFB42

Tgt Ion: 43 Resp: 130370

Ion Ratio Lower Upper

43 100

58 30.0 0.0 60.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

80000

60000

40000

20000

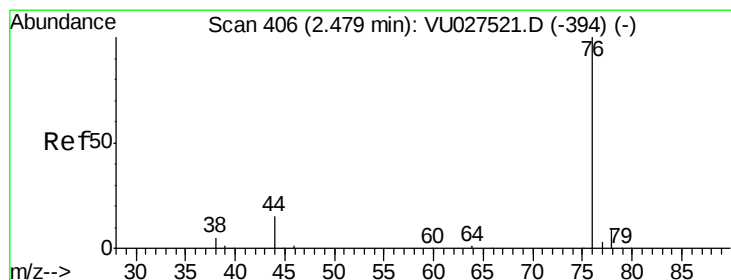
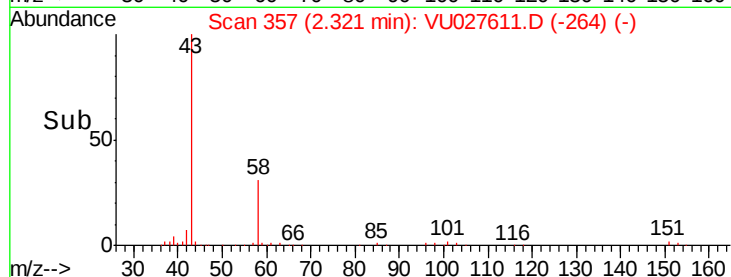
0

Time-->

2.20

2.30

2.40



#14

Carbon disulfide

Concen: 45.530 ug/L

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU027611.D

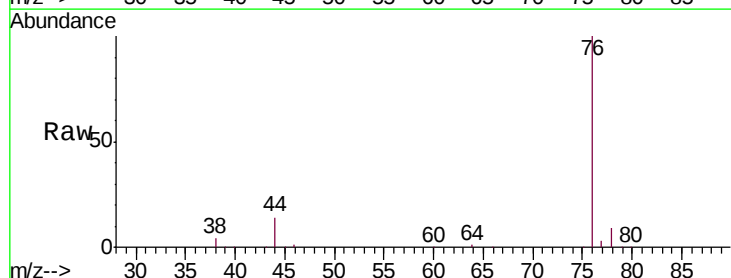
Acq: 12 Oct 2018 08:39

Tgt Ion: 76 Resp: 211170

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

150000

100000

50000

0

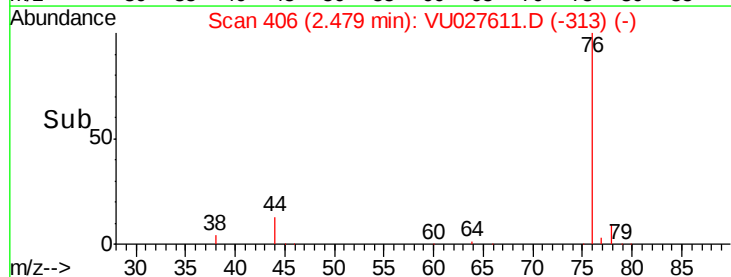
Time-->

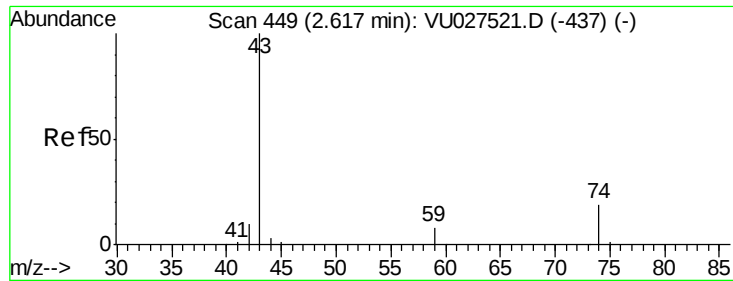
2.40

2.45

2.50

2.55

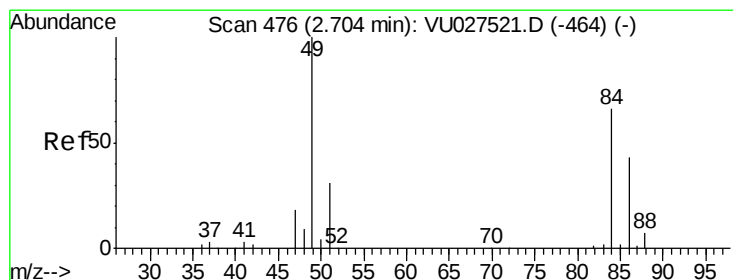
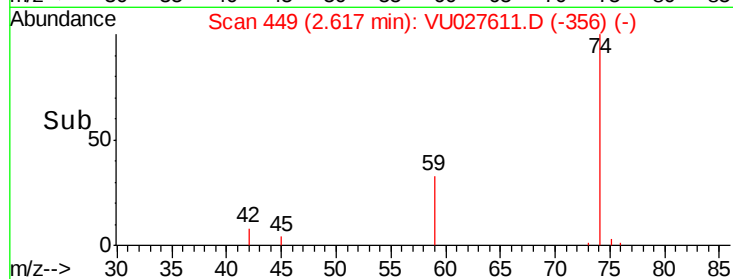
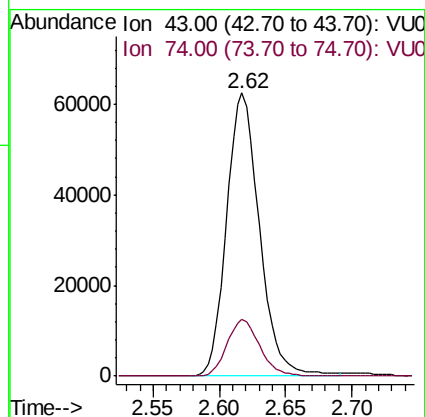
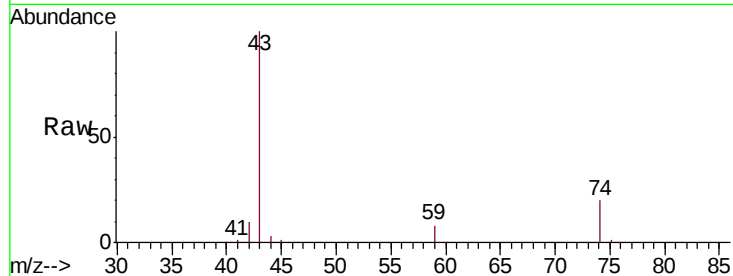




#15
Methyl Acetate
Concen: 52.953 ug/L
RT: 2.62 min Scan# 449
Delta R.T. -0.00 min
Lab File: VU027611.D
Acq: 12 Oct 2018 08:39

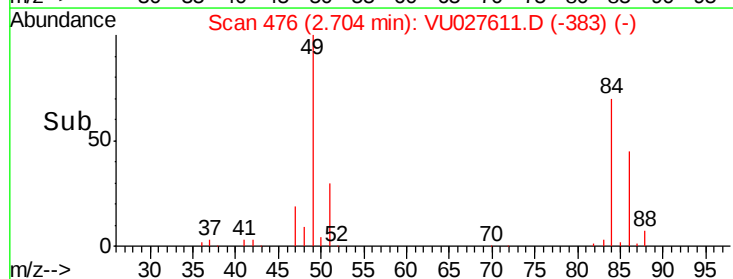
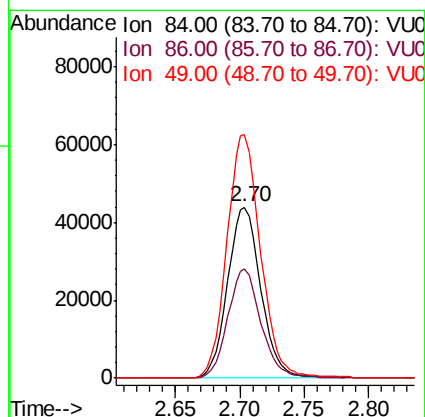
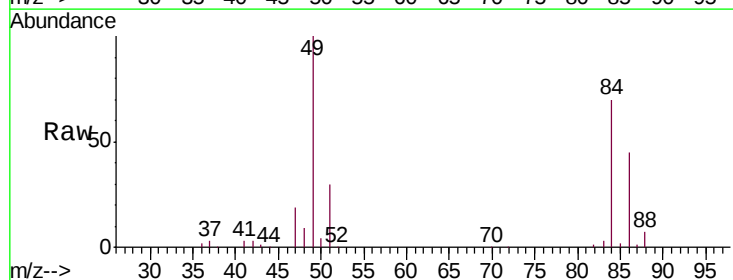
Instrument :
MSVOA_U
ClientSampleId :
BFB42

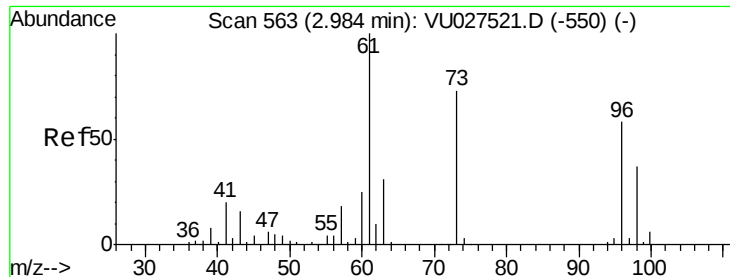
Tgt Ion: 43 Resp: 108077
Ion Ratio Lower Upper
43 100
74 19.8 16.0 24.0



#16
Methylene chloride
Concen: 51.314 ug/L
RT: 2.70 min Scan# 476
Delta R.T. -0.00 min
Lab File: VU027611.D
Acq: 12 Oct 2018 08:39

Tgt Ion: 84 Resp: 78692
Ion Ratio Lower Upper
84 100
86 64.2 44.6 82.8
49 142.5 98.3 182.5





#17

trans-1,2-Dichloroethene

Concen: 49.299 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027611.D

Acq: 12 Oct 2018 08:39

Instrument :

MSVOA_U

ClientSampleId :

BFB42

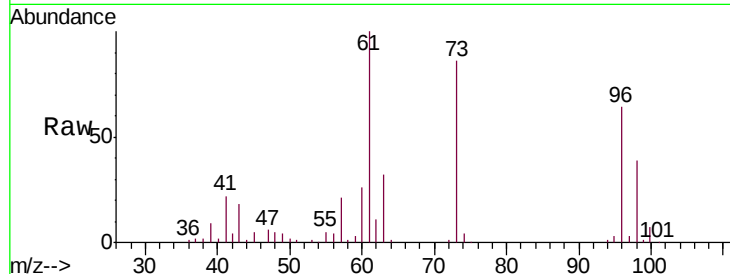
Tgt Ion: 96 Resp: 68930

Ion Ratio Lower Upper

96 100

61 156.6 110.9 205.9

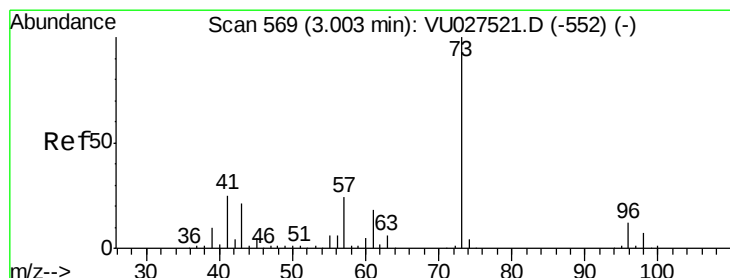
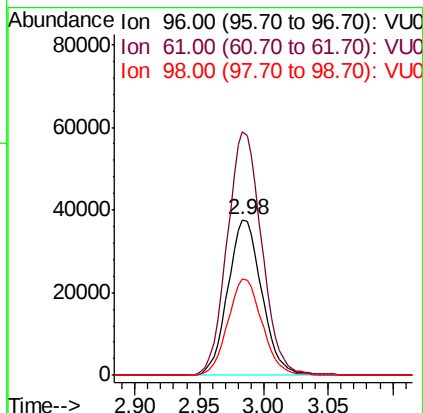
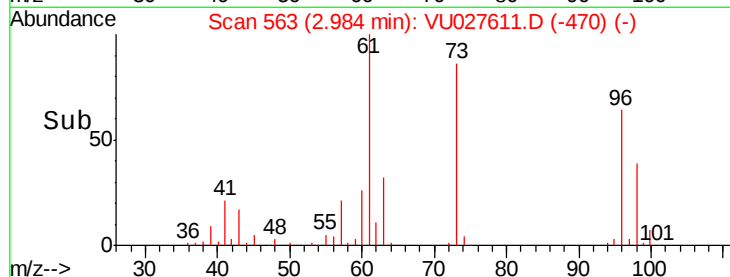
98 61.7 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 52.857 ug/L

RT: 3.00 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU027611.D

Acq: 12 Oct 2018 08:39

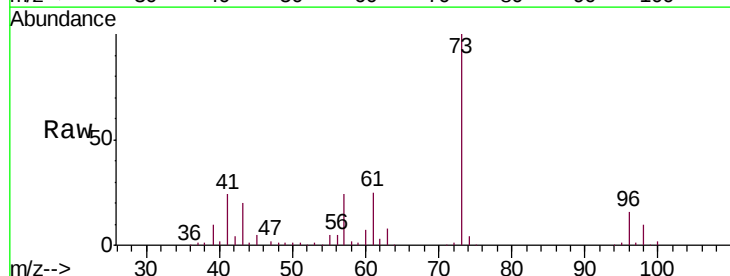
Tgt Ion: 73 Resp: 245728

Ion Ratio Lower Upper

73 100

43 20.7 16.5 24.7

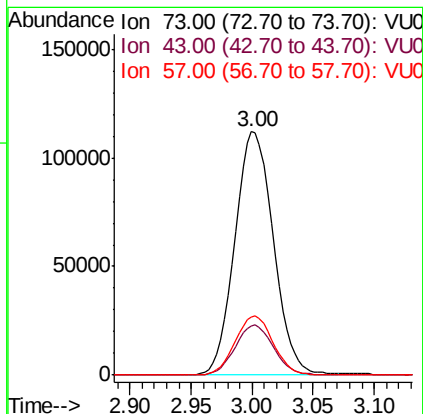
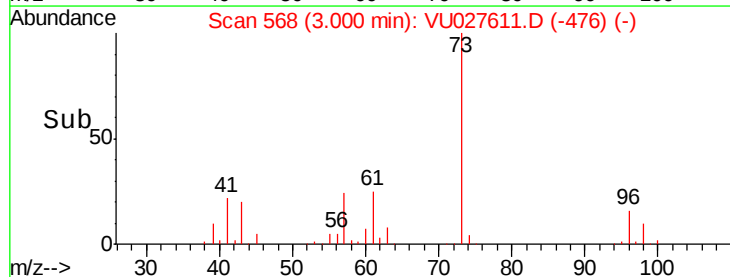
57 24.1 19.4 29.0

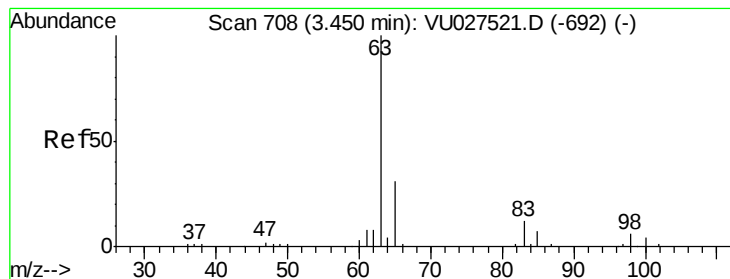


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 52.343 ug/L

RT: 3.45 min Scan# 708

Delta R.T. -0.00 min

Lab File: VU027611.D

Acq: 12 Oct 2018 08:39

Instrument :

MSVOA_U

ClientSampleId :

BFB42

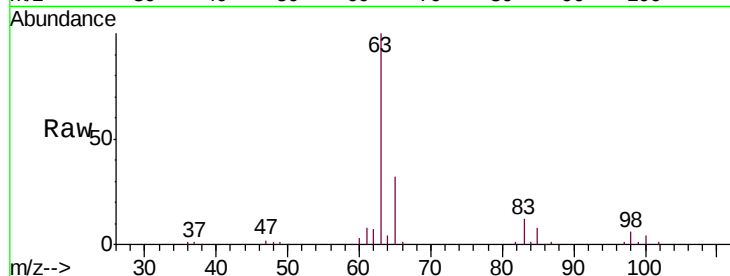
Tgt Ion: 63 Resp: 151118

Ion Ratio Lower Upper

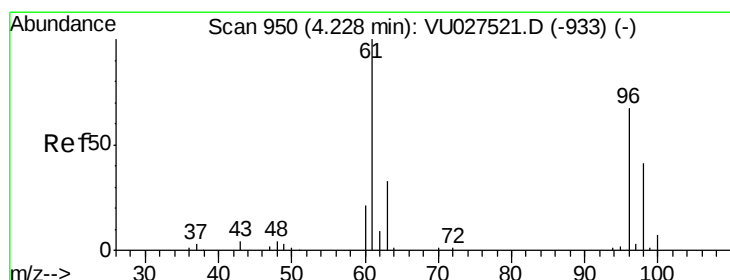
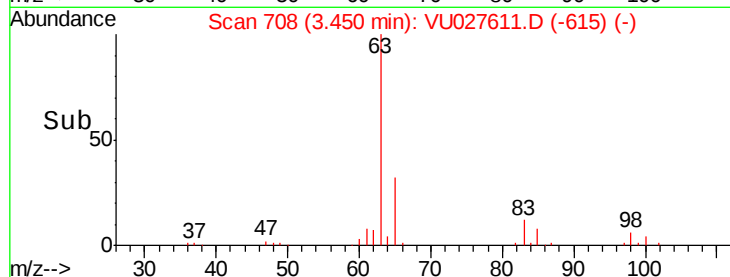
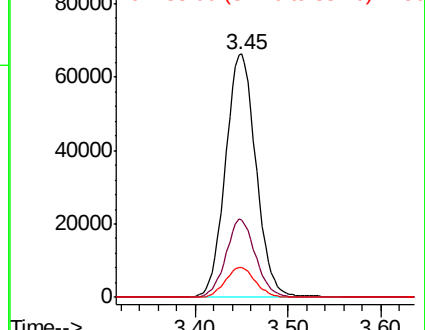
63 100

65 31.9 22.3 41.3

83 12.4 8.4 15.6



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 65.00 (64.70 to 65.70): VU0
Ion 83.00 (82.70 to 83.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 50.912 ug/L

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027611.D

Acq: 12 Oct 2018 08:39

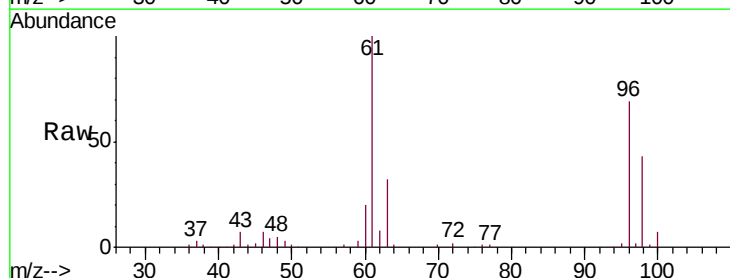
Tgt Ion: 96 Resp: 78967

Ion Ratio Lower Upper

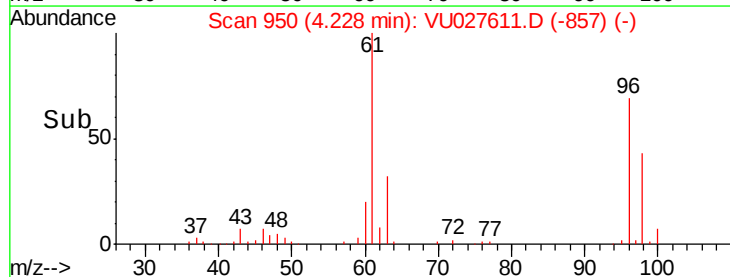
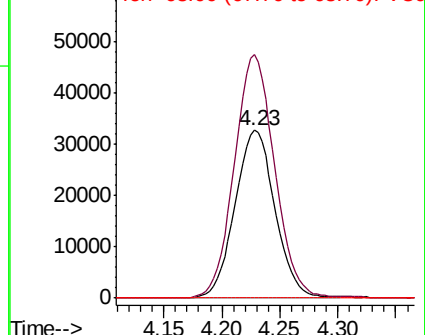
96 100

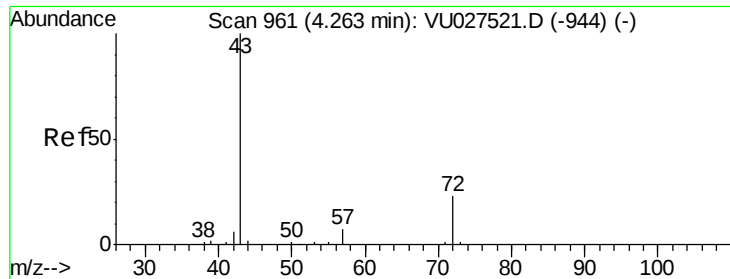
61 145.1 102.0 189.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 113.878 ug/L

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU027611.D

Acq: 12 Oct 2018 08:39

Instrument :

MSVOA_U

ClientSampled :

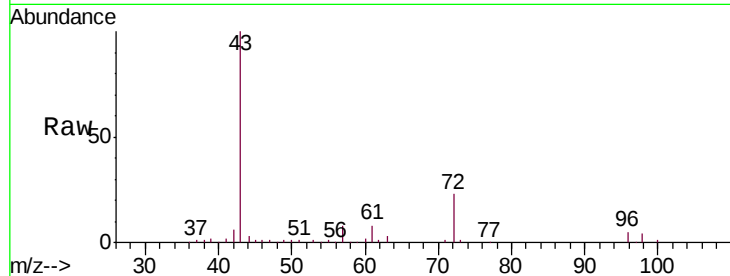
BFB42

Tgt Ion: 43 Resp: 166034

Ion Ratio Lower Upper

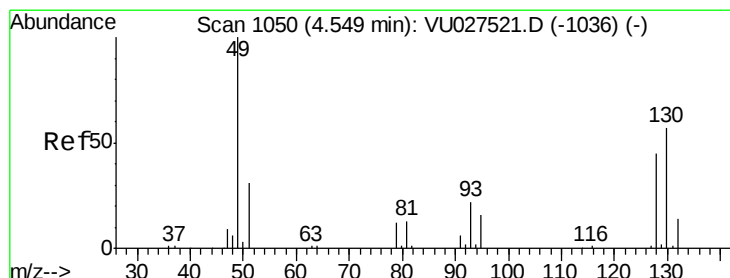
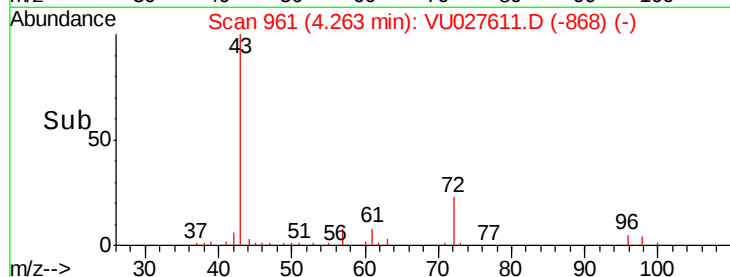
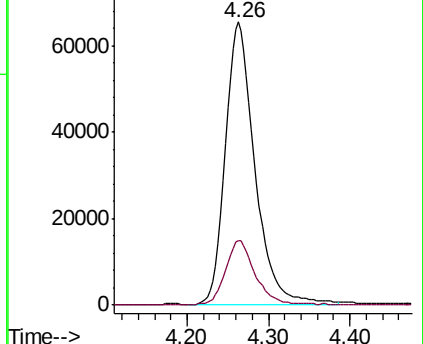
43 100

72 23.0 11.9 35.5



Abundance Ion 43.00 (42.70 to 43.70): VU027521.D (-944) (-)

Ion 72.00 (71.70 to 72.70): VU027521.D (-944) (-)



#23

Bromochloromethane

Concen: 51.884 ug/L

RT: 4.55 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU027611.D

Acq: 12 Oct 2018 08:39

Tgt Ion: 128 Resp: 36699

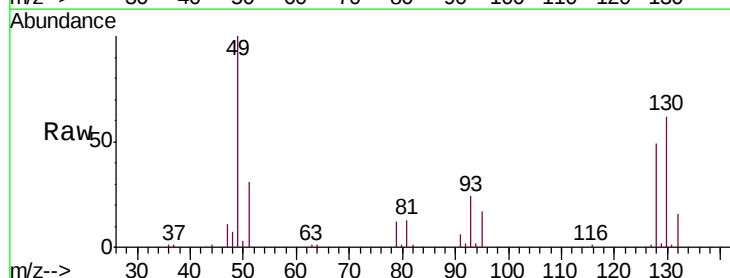
Ion Ratio Lower Upper

128 100

49 204.0 146.9 272.7

130 125.7 89.2 165.6

51 63.3 52.2 78.4

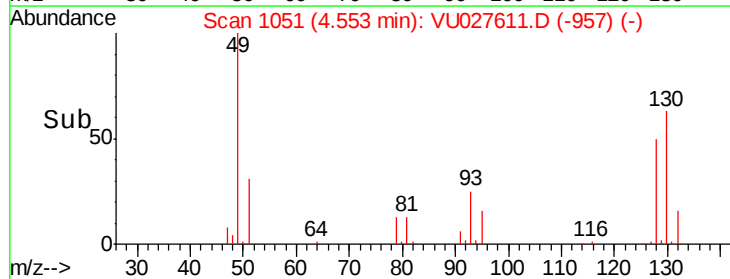
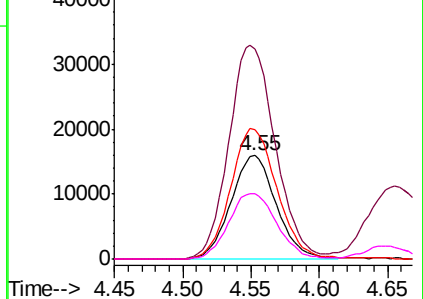


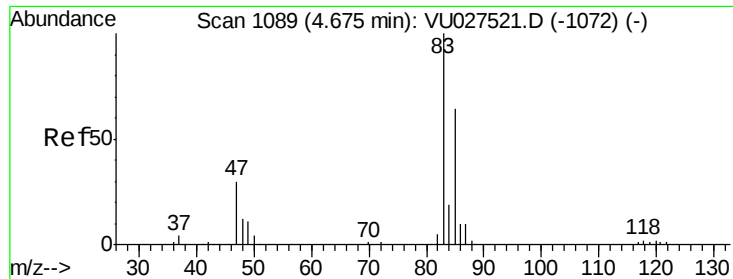
Abundance Ion 128.00 (127.70 to 128.70): VU027521.D (-1036) (-)

Ion 49.00 (48.70 to 49.70): VU027521.D (-1036) (-)

Ion 130.00 (129.70 to 130.70): VU027521.D (-1036) (-)

Ion 51.00 (50.70 to 51.70): VU027521.D (-1036) (-)

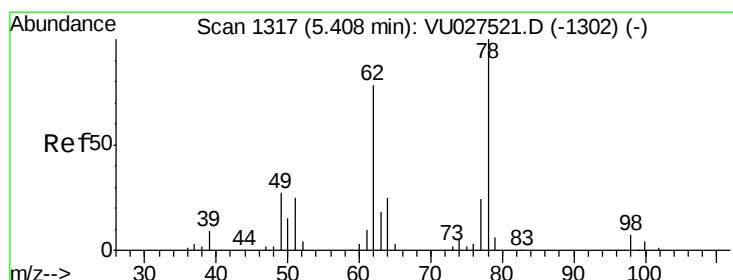
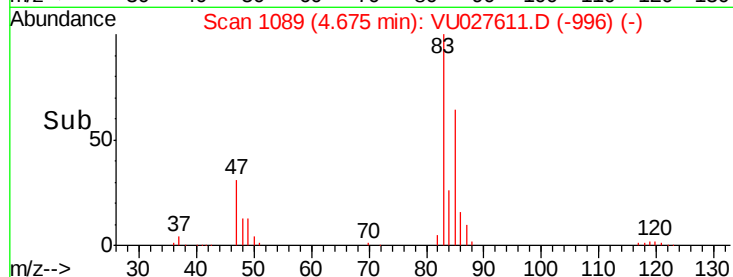
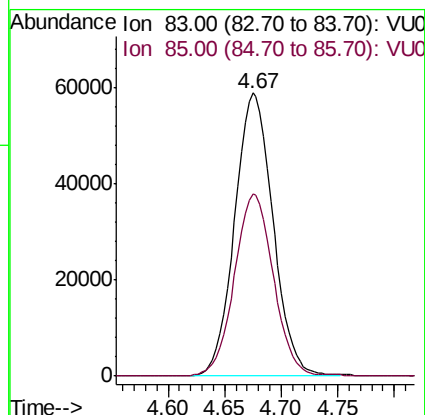
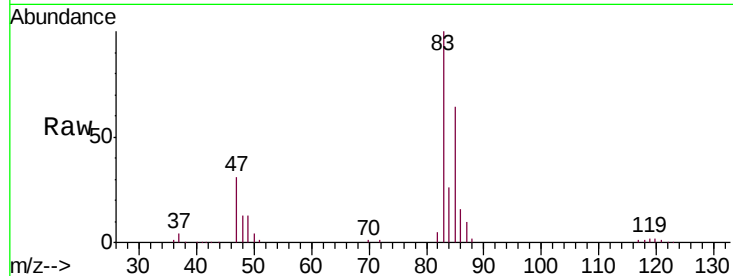




#25
Chloroform
Concen: 49.932 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027611.D
Acq: 12 Oct 2018 08:39

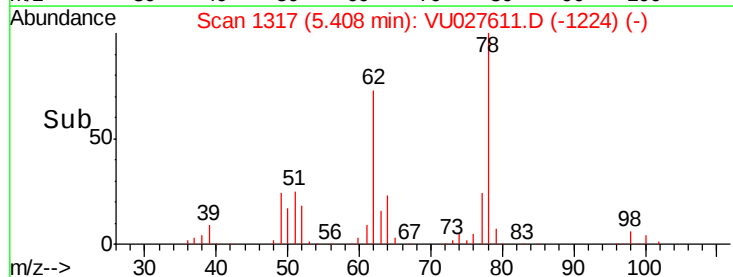
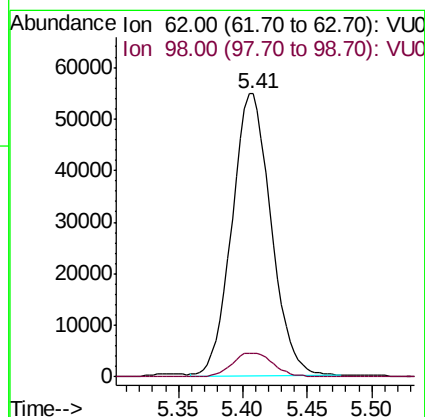
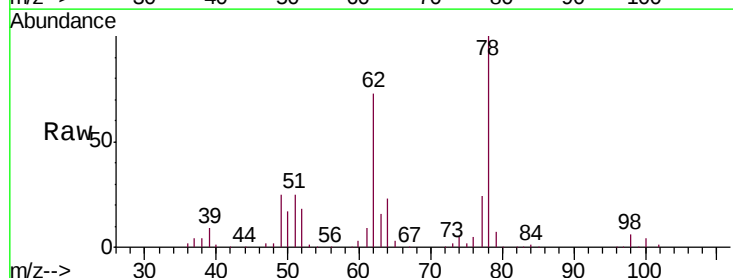
Instrument :
MSVOA_U
ClientSampleId :
BFB42

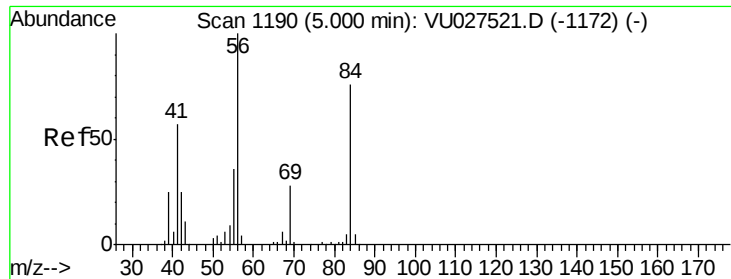
Tgt Ion: 83 Resp: 139258
Ion Ratio Lower Upper
83 100
85 64.3 45.0 83.6



#27
1,2-Dichloroethane
Concen: 51.380 ug/L
RT: 5.41 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VU027611.D
Acq: 12 Oct 2018 08:39

Tgt Ion: 62 Resp: 115084
Ion Ratio Lower Upper
62 100
98 8.5 7.1 10.7

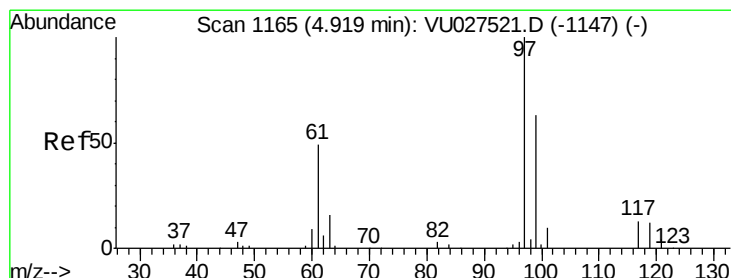
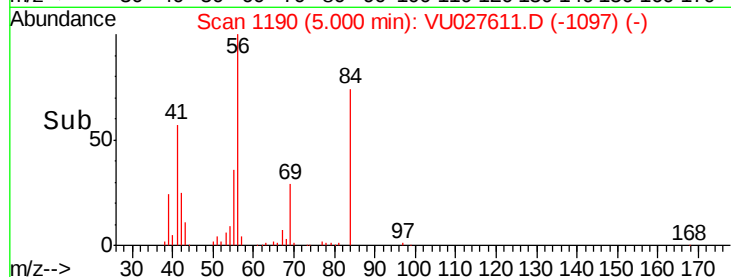
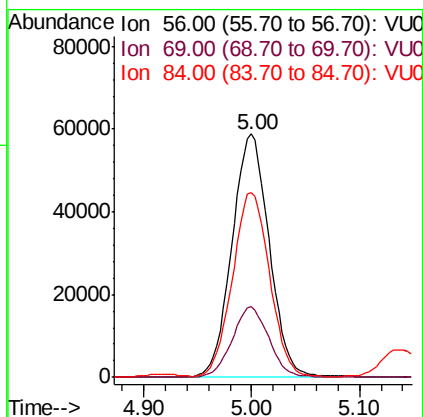
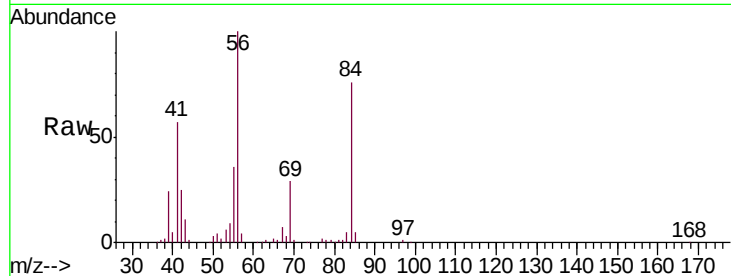




#29
Cyclohexane
Concen: 51.580 ug/L
RT: 5.00 min Scan# 1190
Delta R.T. -0.00 min
Lab File: VU027611.D
Acq: 12 Oct 2018 08:39

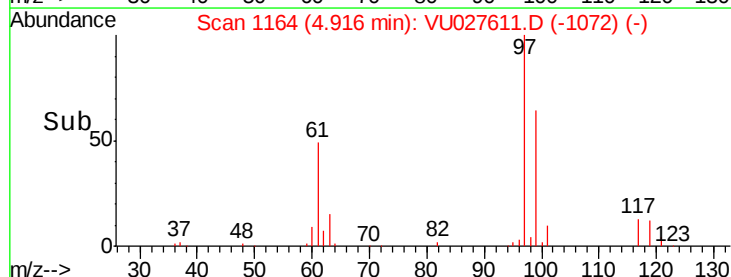
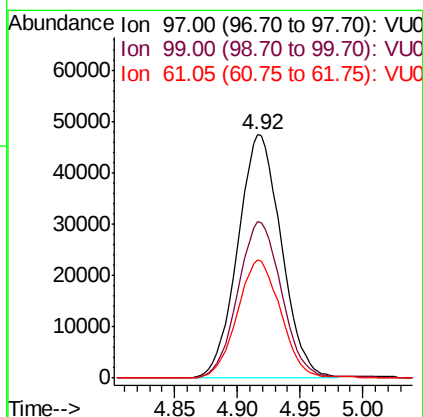
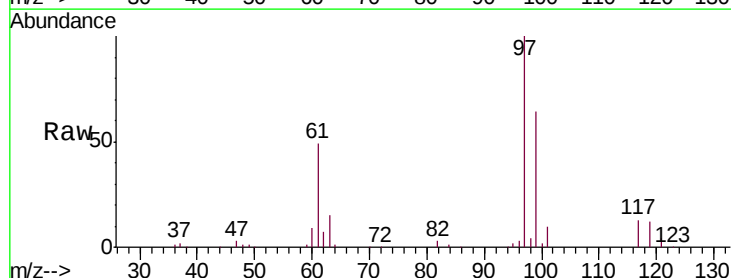
Instrument :
MSVOA_U
ClientSampleId :
BFB42

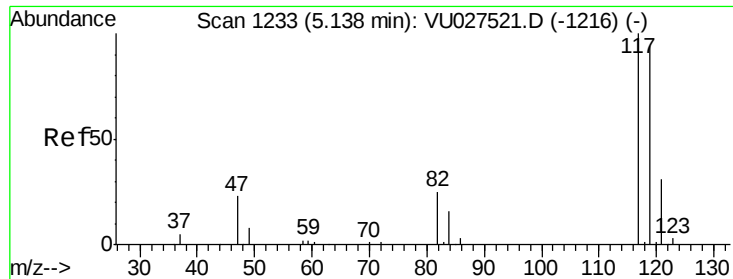
Tgt Ion: 56 Resp: 141373
Ion Ratio Lower Upper
56 100
69 28.4 22.5 33.7
84 76.2 60.9 91.3



#30
1,1,1-Trichloroethane
Concen: 52.968 ug/L
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027611.D
Acq: 12 Oct 2018 08:39

Tgt Ion: 97 Resp: 114518
Ion Ratio Lower Upper
97 100
99 65.0 50.9 76.3
61 48.3 38.2 57.4





#31

Carbon tetrachloride

Concen: 54.151 ug/L

RT: 5.14 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU027611.D

Acq: 12 Oct 2018 08:39

Instrument :

MSVOA_U

ClientSampleId :

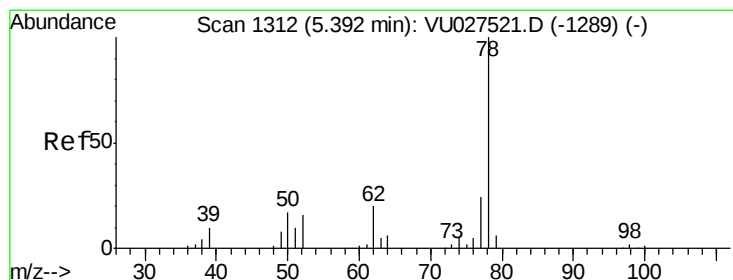
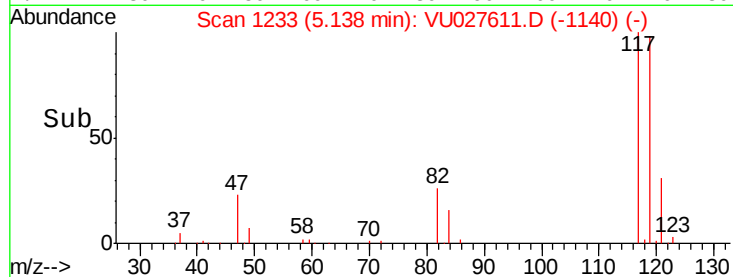
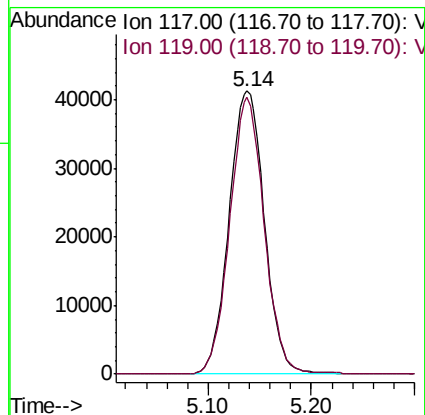
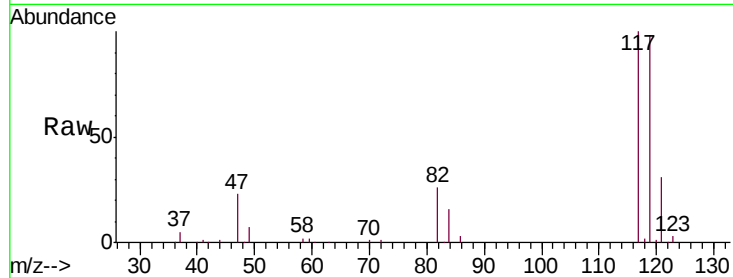
BFB42

Tgt Ion:117 Resp: 98472

Ion Ratio Lower Upper

117 100

119 94.9 76.8 115.2



#33

Benzene

Concen: 53.179 ug/L

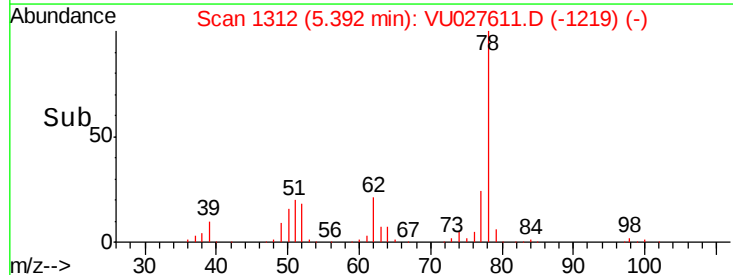
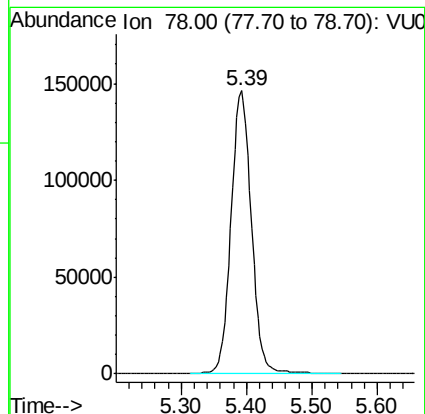
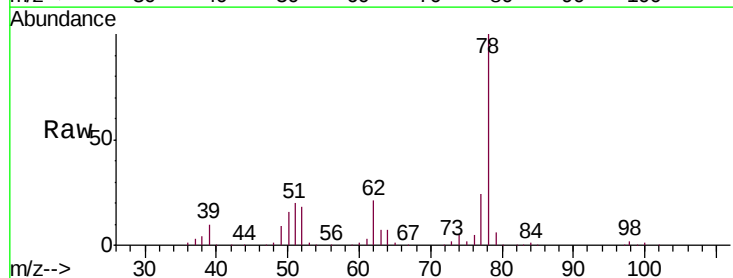
RT: 5.39 min Scan# 1312

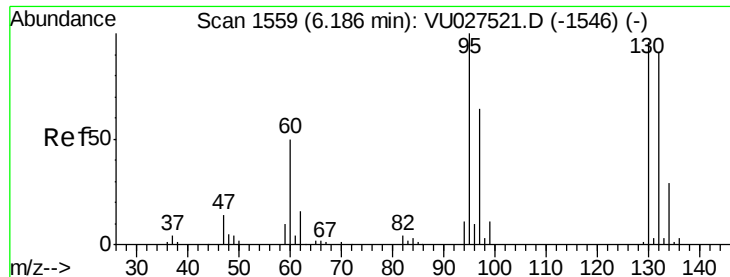
Delta R.T. -0.00 min

Lab File: VU027611.D

Acq: 12 Oct 2018 08:39

Tgt Ion: 78 Resp: 315779





#34

Trichloroethene

Concen: 51.429 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU027611.D

Acq: 12 Oct 2018 08:39

Instrument :

MSVOA_U

ClientSampleId :

BFB42

Tgt Ion: 95 Resp: 73444

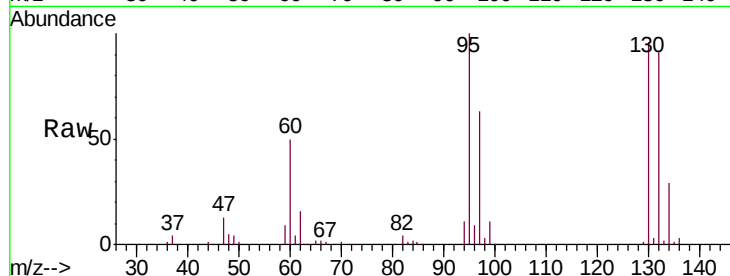
Ion Ratio Lower Upper

95 100

97 63.0 44.9 83.3

132 90.7 64.8 120.4

130 96.4 67.1 124.7



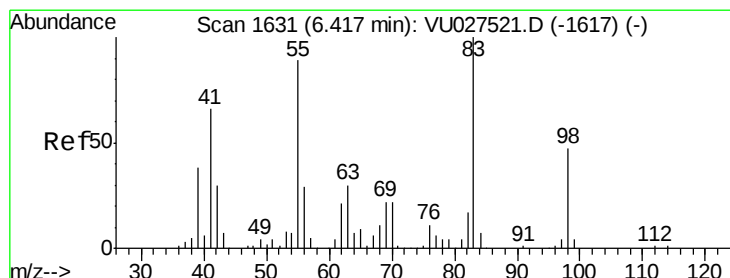
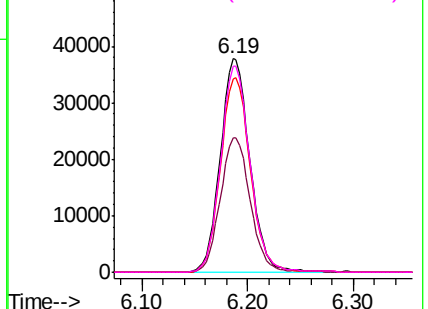
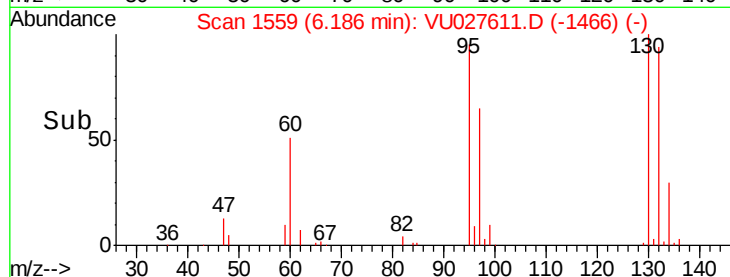
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 50.721 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. -0.00 min

Lab File: VU027611.D

Acq: 12 Oct 2018 08:39

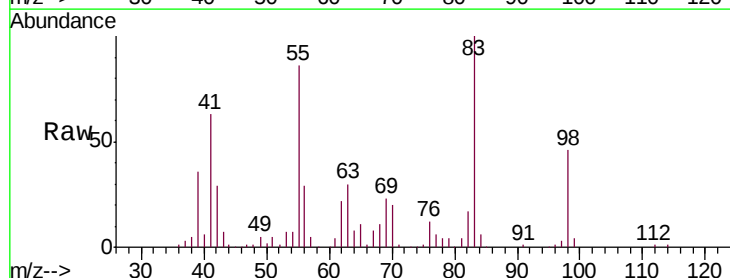
Tgt Ion: 83 Resp: 125851

Ion Ratio Lower Upper

83 100

55 88.9 69.9 104.9

98 47.0 37.1 55.7

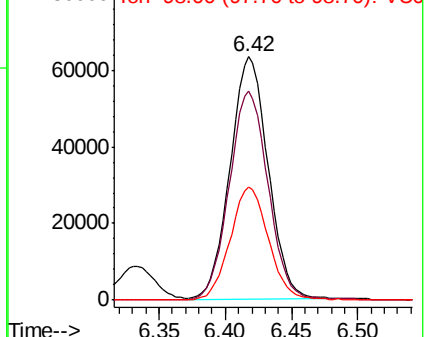
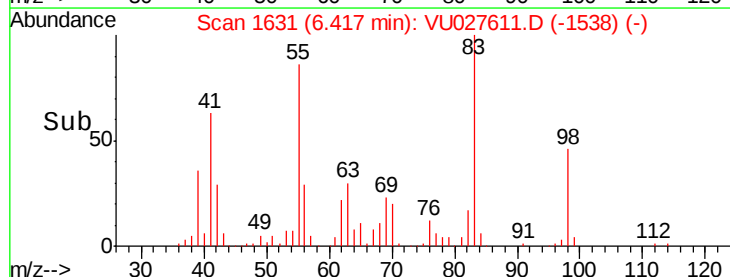


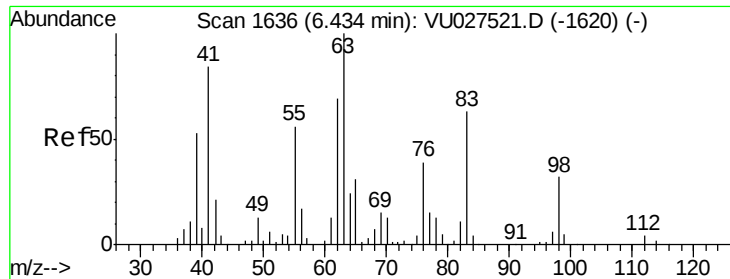
Abundance

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

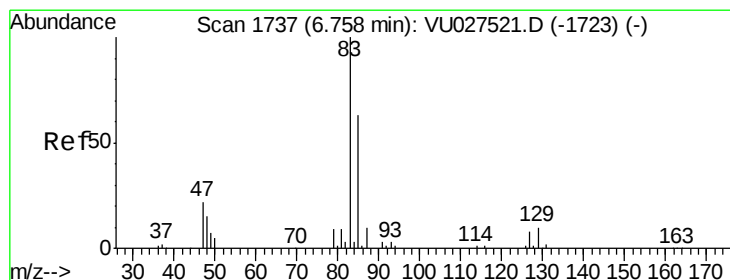
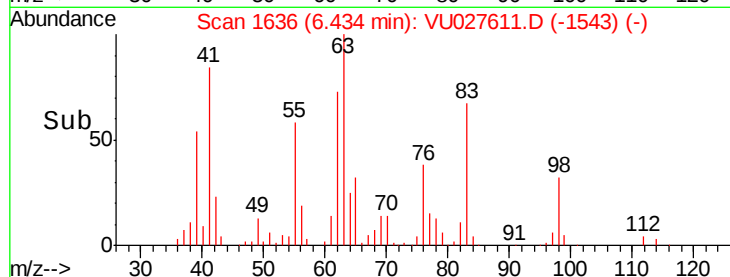
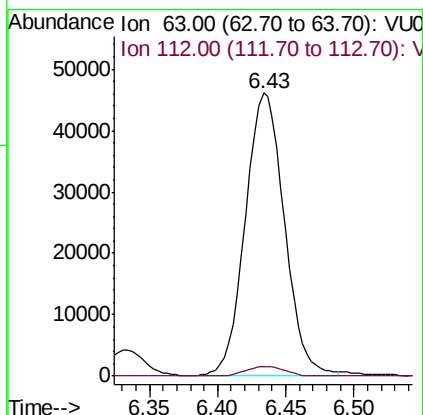
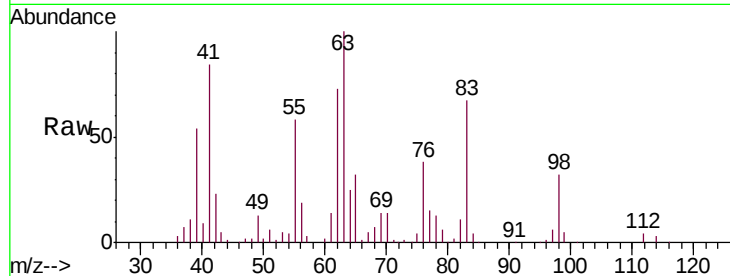




#37
1,2-Dichloropropane
Concen: 53.541 ug/L
RT: 6.43 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VU027611.D
Acq: 12 Oct 2018 08:39

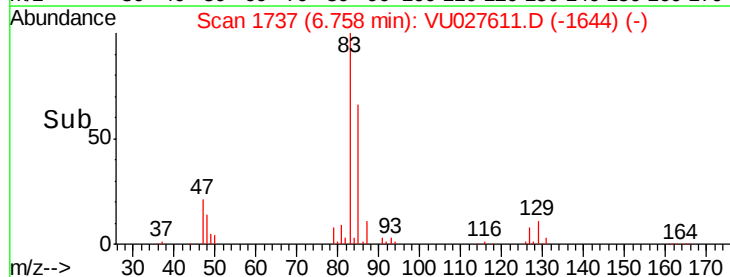
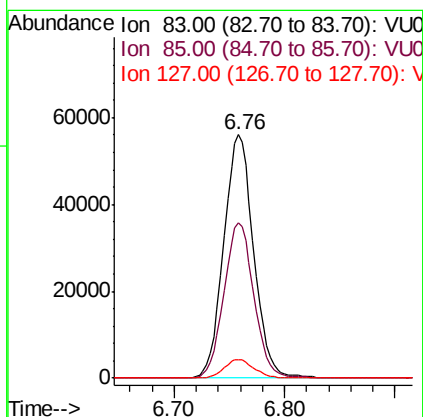
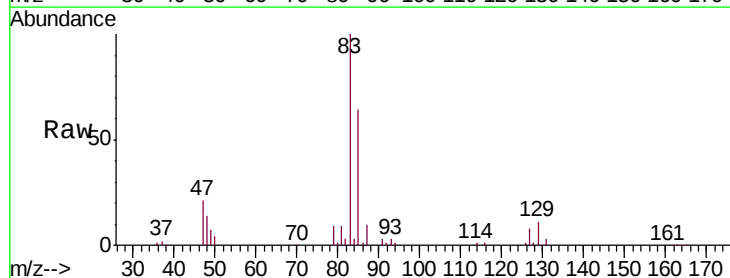
Instrument :
MSVOA_U
ClientSampled :
BFB42

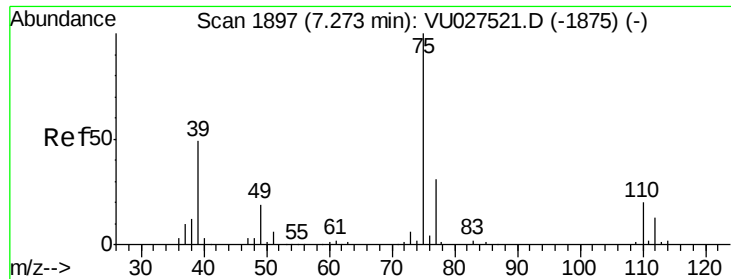
Tgt Ion: 63 Resp: 92111
Ion Ratio Lower Upper
63 100
112 3.5 2.9 4.3



#38
Bromodichloromethane
Concen: 53.755 ug/L
RT: 6.76 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VU027611.D
Acq: 12 Oct 2018 08:39

Tgt Ion: 83 Resp: 105090
Ion Ratio Lower Upper
83 100
85 63.9 45.1 83.7
127 7.7 6.3 9.5

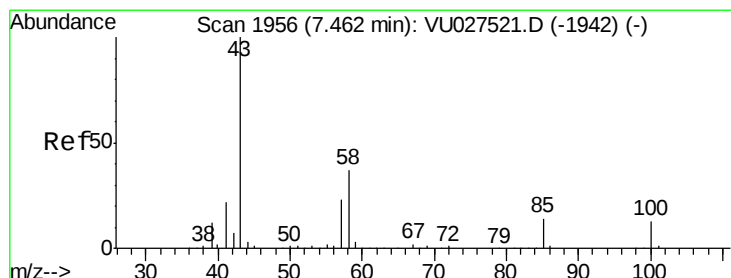
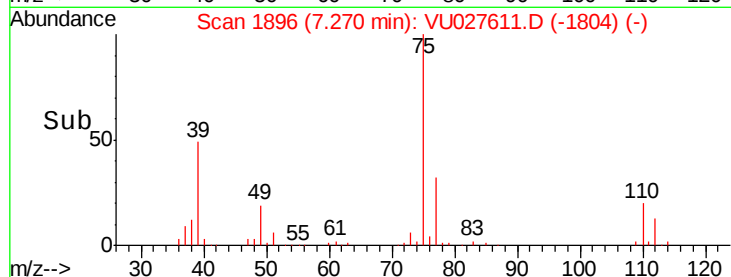
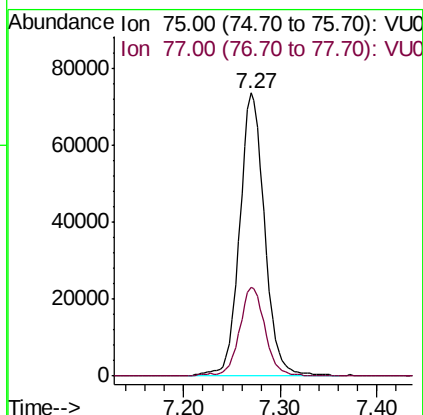
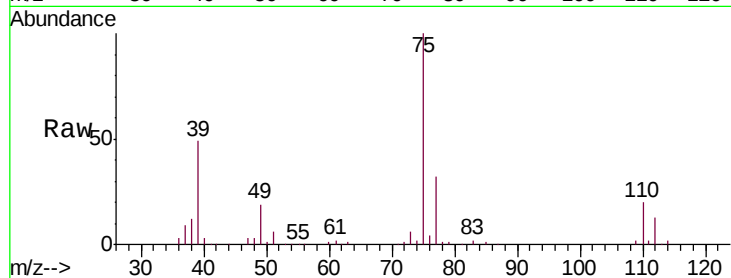




#39
 cis-1,3-Dichloropropene
 Concen: 52.376 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. -0.00 min
 Lab File: VU027611.D
 Acq: 12 Oct 2018 08:39

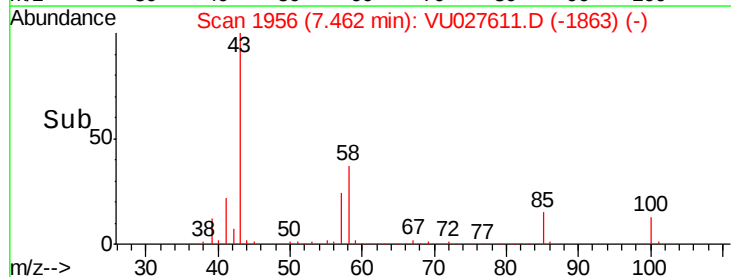
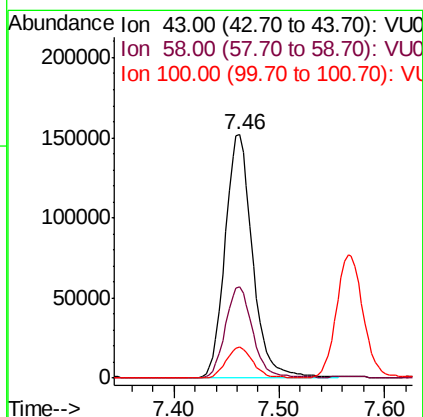
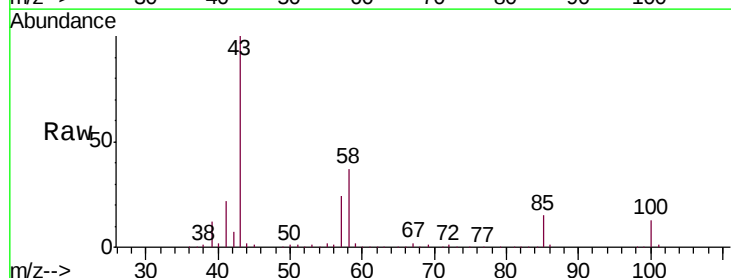
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB42

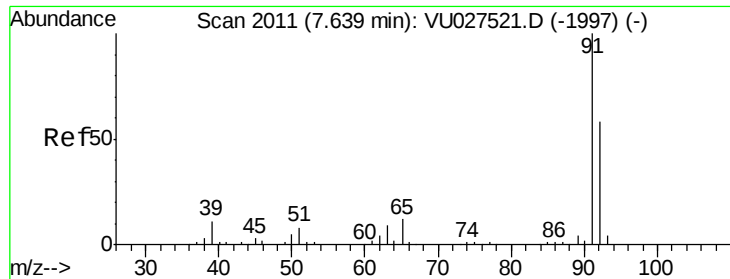
Tgt Ion: 75 Resp: 132402
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 109.013 ug/L
 RT: 7.46 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VU027611.D
 Acq: 12 Oct 2018 08:39

Tgt Ion: 43 Resp: 274635
 Ion Ratio Lower Upper
 43 100
 58 37.5 30.7 46.1
 100 12.5 10.2 15.4





#42

Toluene

Concen: 52.266 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU027611.D

Acq: 12 Oct 2018 08:39

Instrument :

MSVOA_U

ClientSampleId :

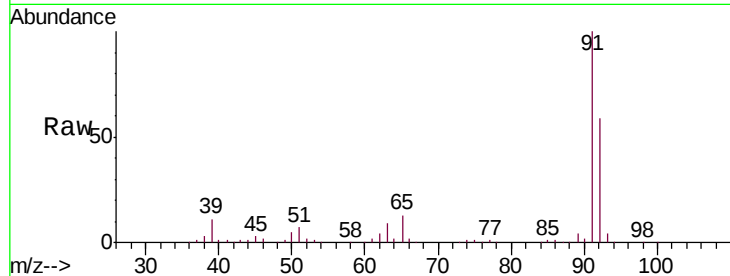
BFB42

Tgt Ion: 91 Resp: 311403

Ion Ratio Lower Upper

91 100

92 59.0 40.2 74.6



Abundance Ion 91.00 (90.70 to 91.70): VU027521.D (-1997) (-)

Ion 92.00 (91.70 to 92.70): VU027521.D (-1997) (-)

7.64

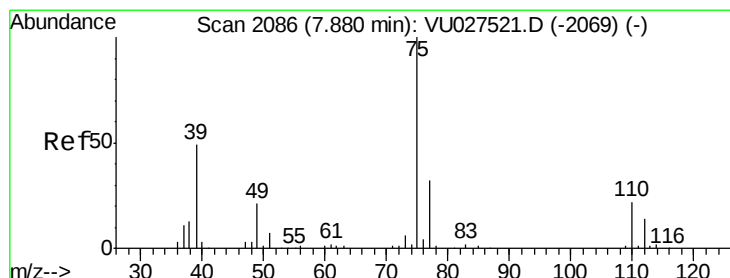
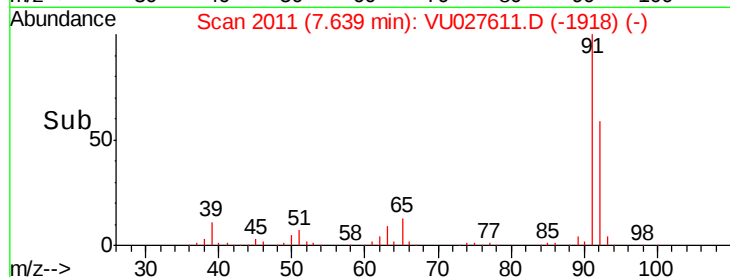
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 52.949 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU027611.D

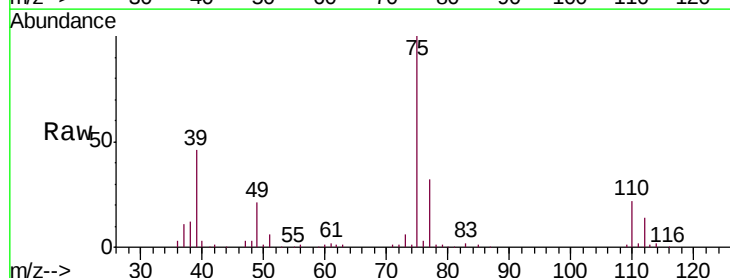
Acq: 12 Oct 2018 08:39

Tgt Ion: 75 Resp: 124244

Ion Ratio Lower Upper

75 100

77 31.7 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU027521.D (-2069) (-)

Ion 77.00 (76.70 to 77.70): VU027521.D (-2069) (-)

7.88

80000

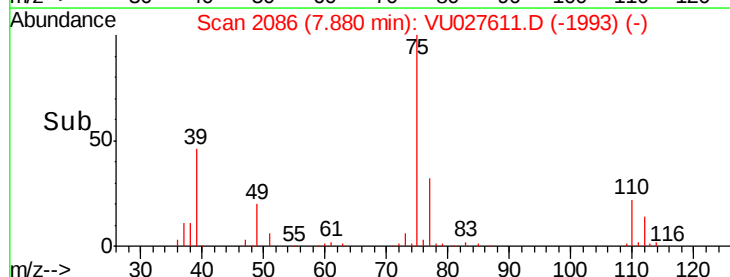
60000

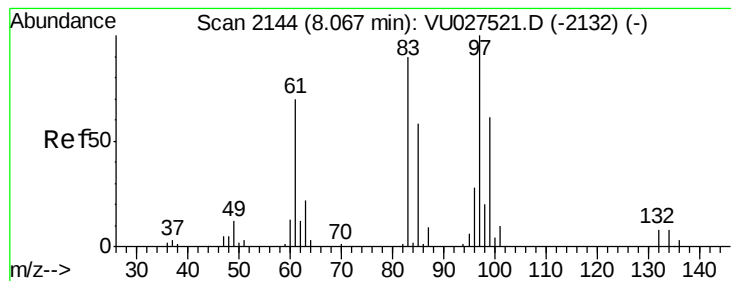
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 53.577 ug/L

RT: 8.07 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU027611.D

Acq: 12 Oct 2018 08:39

Instrument :

MSVOA_U

ClientSampleId :

BFB42

Tgt Ion: 97 Resp: 73992

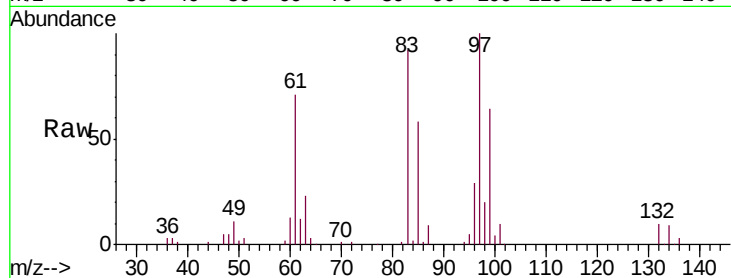
Ion Ratio Lower Upper

97 100

99 64.2 43.2 80.2

83 91.6 64.3 119.5

85 57.7 41.0 76.2

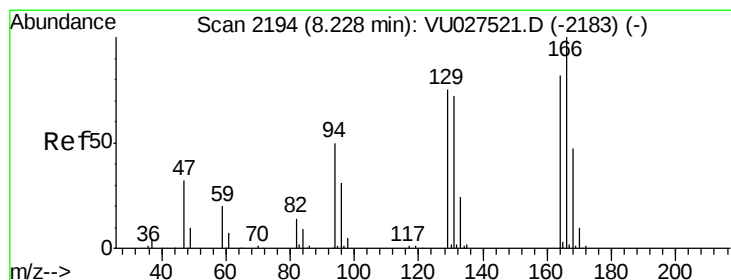
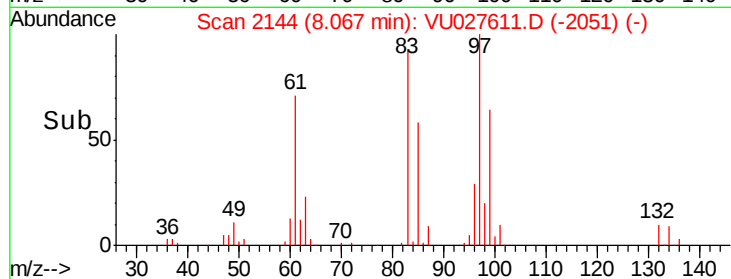
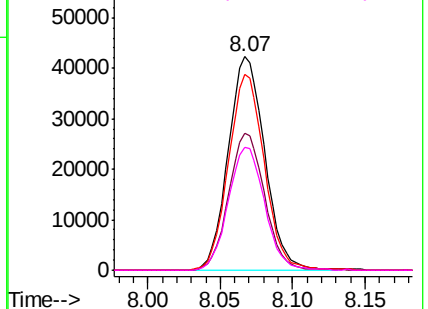


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 52.126 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU027611.D

Acq: 12 Oct 2018 08:39

Tgt Ion: 164 Resp: 55323

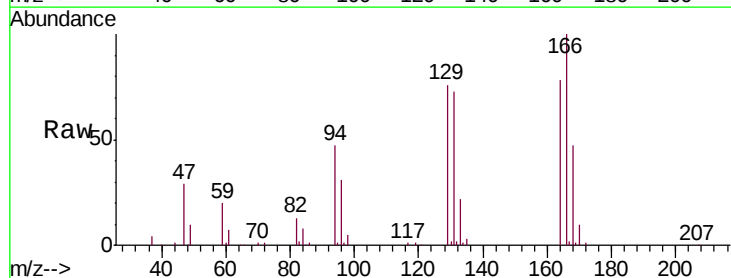
Ion Ratio Lower Upper

164 100

129 96.5 67.0 124.4

131 92.6 65.1 120.9

166 127.4 90.4 167.8

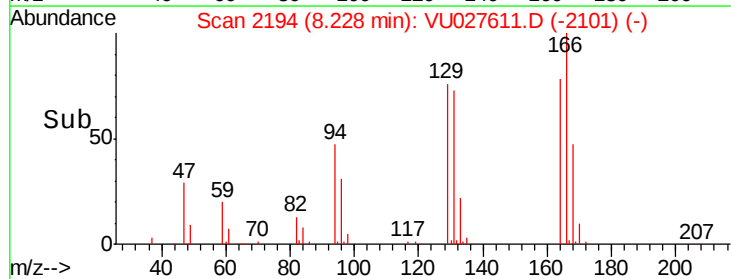
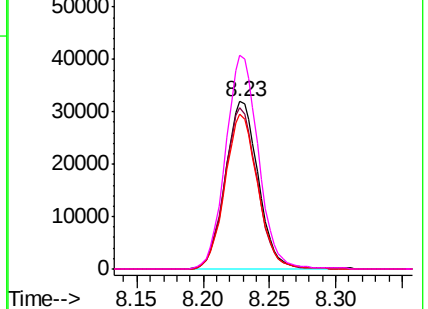


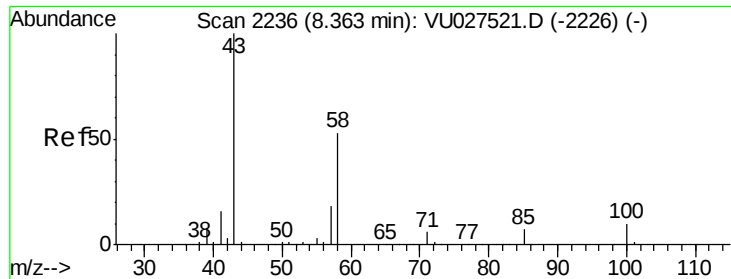
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

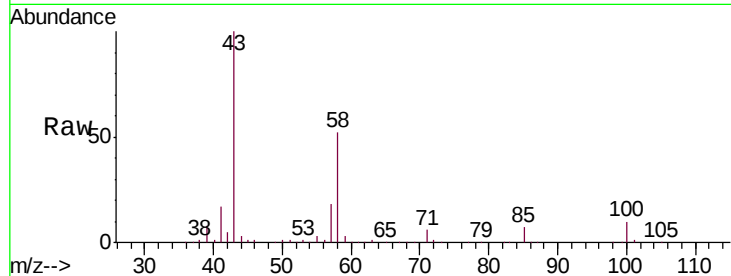




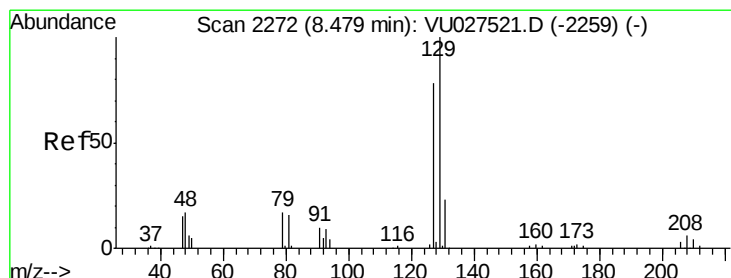
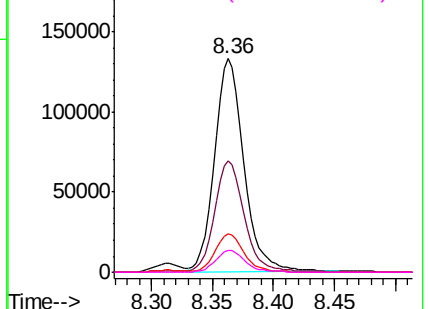
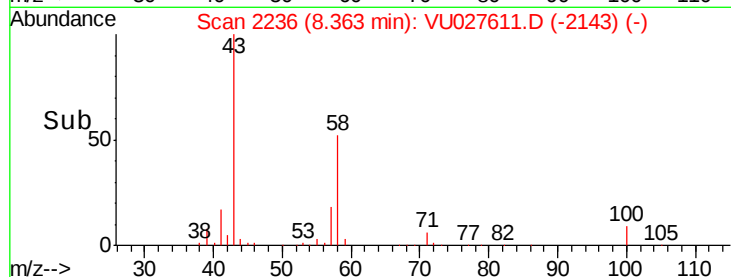
#48
2-Hexanone
Concen: 112.834 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU027611.D
Acq: 12 Oct 2018 08:39

Instrument :
MSVOA_U
ClientSampled :
BFB42

Tgt Ion: 43 Resp: 224458
Ion Ratio Lower Upper
43 100
58 52.6 42.7 64.1
57 17.8 14.5 21.7
100 10.3 8.2 12.2

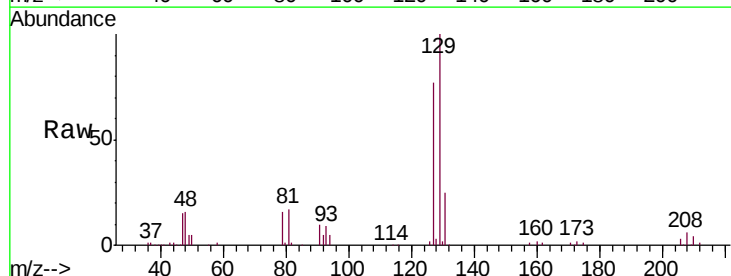


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

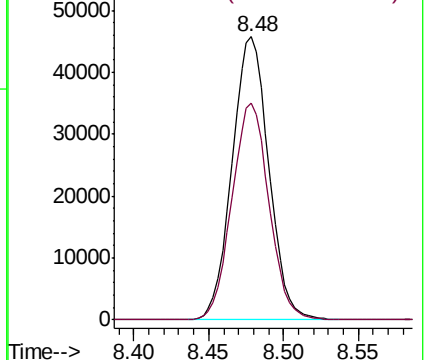
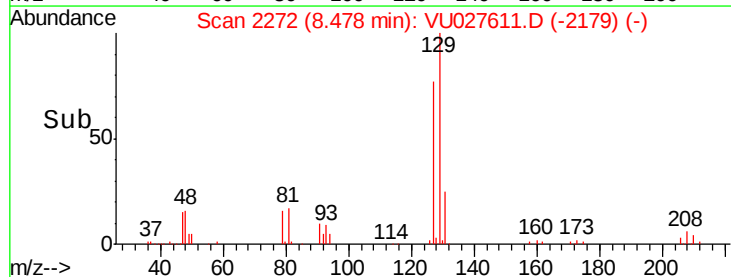


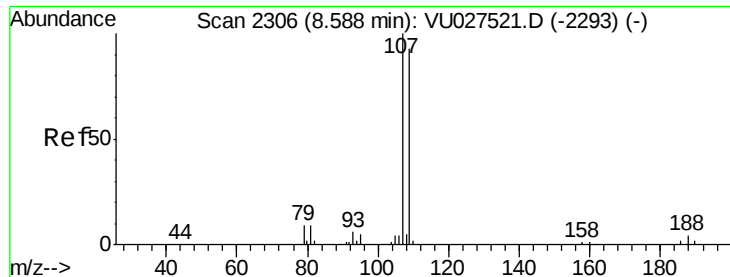
#49
Dibromochloromethane
Concen: 54.369 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027611.D
Acq: 12 Oct 2018 08:39

Tgt Ion: 129 Resp: 78293
Ion Ratio Lower Upper
129 100
127 76.5 52.7 97.9



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

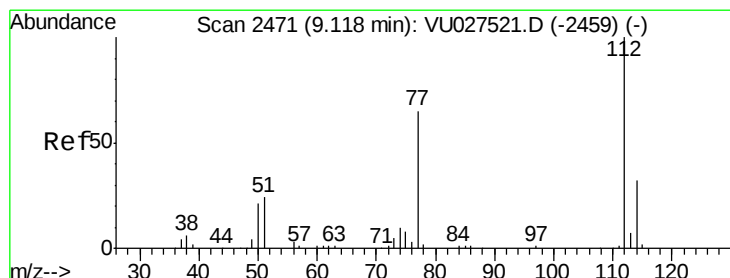
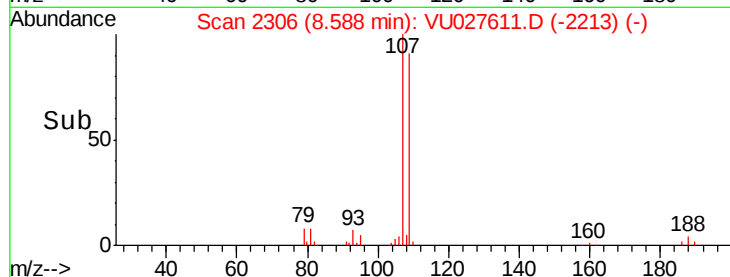
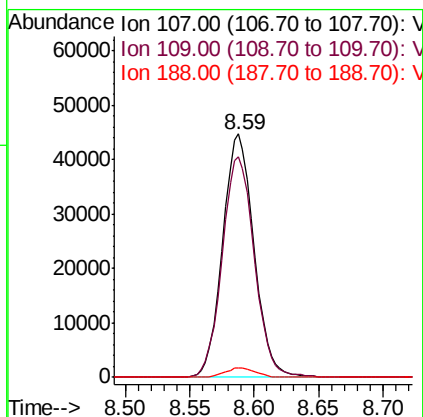
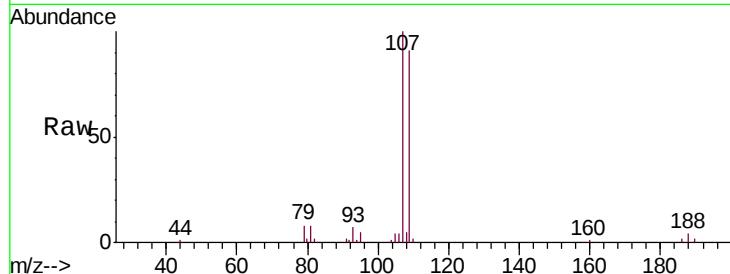




#50
 1,2-Dibromoethane
 Concen: 51.463 ug/L
 RT: 8.59 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VU027611.D
 Acq: 12 Oct 2018 08:39

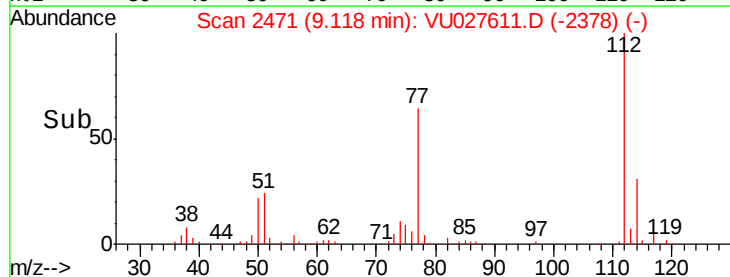
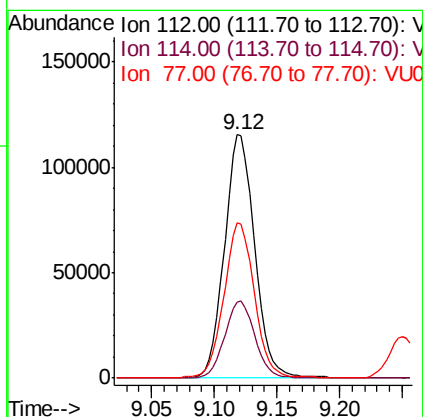
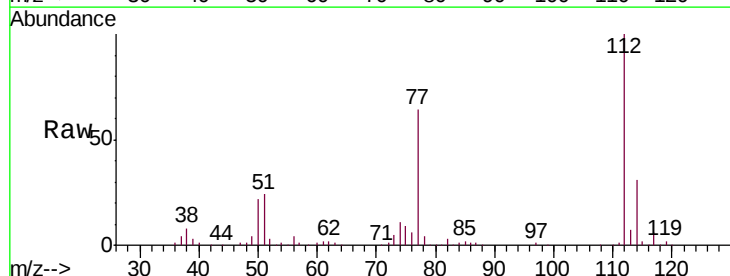
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB42

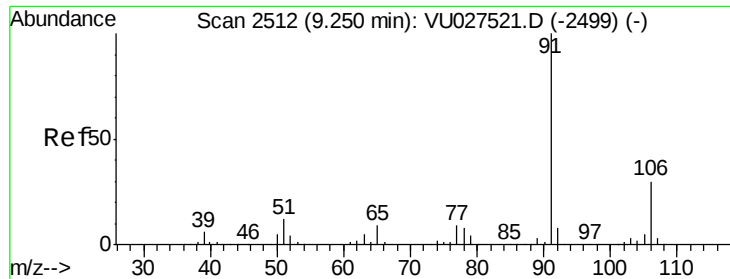
Tgt Ion:107 Resp: 75402
 Ion Ratio Lower Upper
 107 100
 109 90.7 65.5 121.6
 188 3.9 3.0 4.6



#51
 Chlorobenzene
 Concen: 51.285 ug/L
 RT: 9.12 min Scan# 2471
 Delta R.T. -0.00 min
 Lab File: VU027611.D
 Acq: 12 Oct 2018 08:39

Tgt Ion:112 Resp: 193178
 Ion Ratio Lower Upper
 112 100
 114 31.4 22.3 41.5
 77 63.7 51.7 77.5





#52

Ethylbenzene

Concen: 51.945 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU027611.D

Acq: 12 Oct 2018 08:39

Instrument :

MSVOA_U

ClientSampleId :

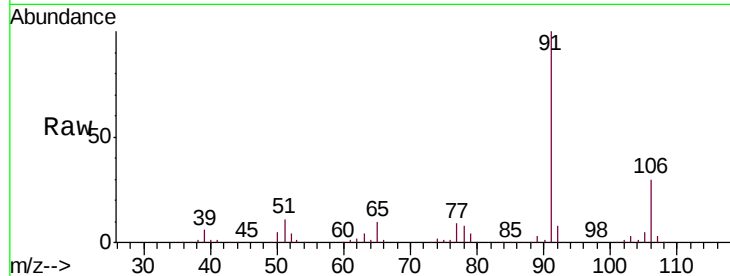
BFB42

Tgt Ion: 91 Resp: 343640

Ion Ratio Lower Upper

91 100

106 30.1 20.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): VU027521.D (-2499) (-)

Ion 106.00 (105.70 to 106.70): VU027521.D (-2499) (-)

9.25

200000

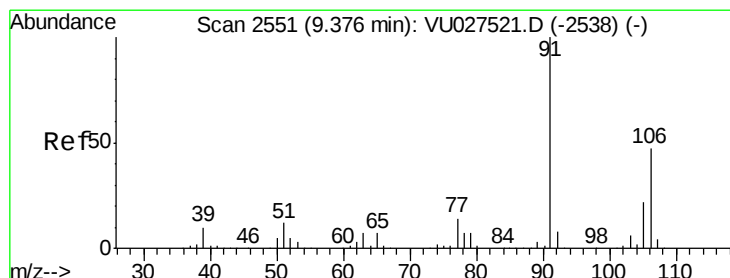
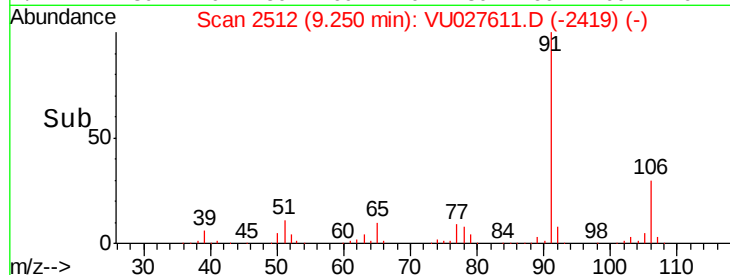
150000

100000

50000

0

Time-->



#53

m,p-Xylene

Concen: 52.495 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU027611.D

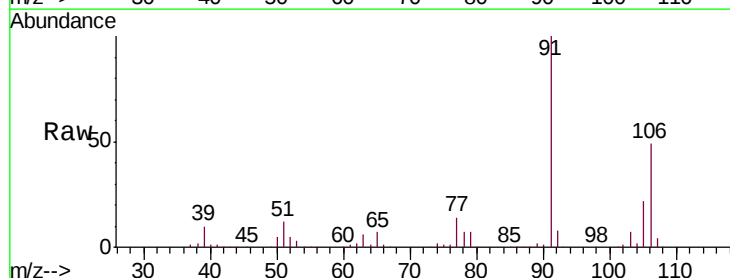
Acq: 12 Oct 2018 08:39

Tgt Ion: 106 Resp: 127108

Ion Ratio Lower Upper

106 100

91 204.8 145.0 269.4



Abundance Ion 106.00 (105.70 to 106.70): VU027521.D (-2538) (-)

Ion 91.00 (90.70 to 91.70): VU027521.D (-2538) (-)

9.38

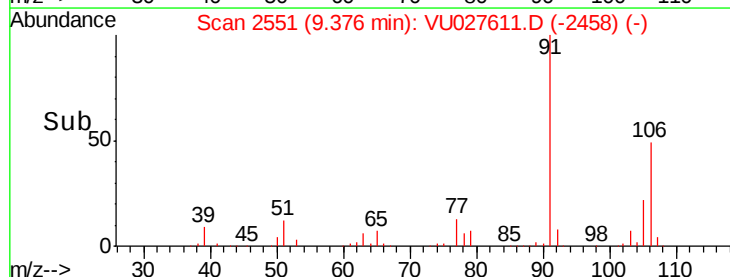
150000

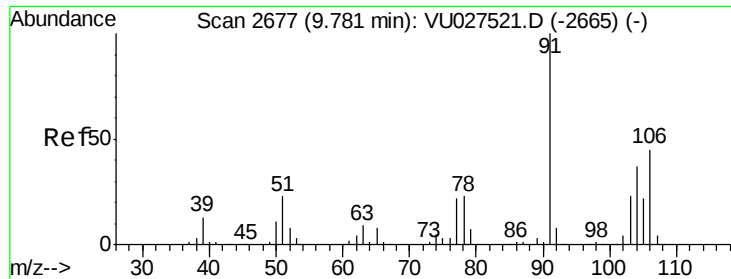
100000

50000

0

Time-->

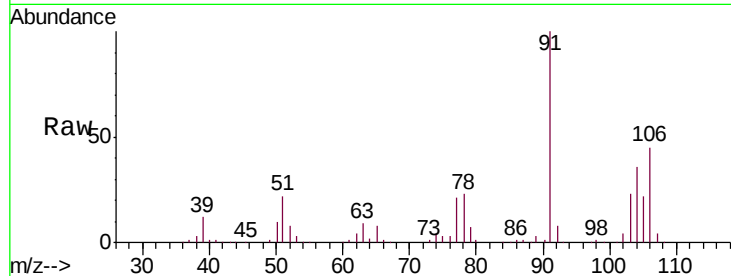




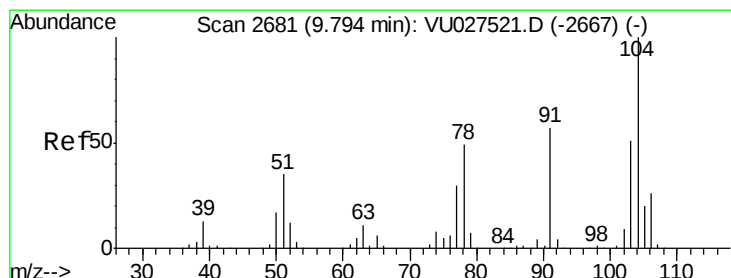
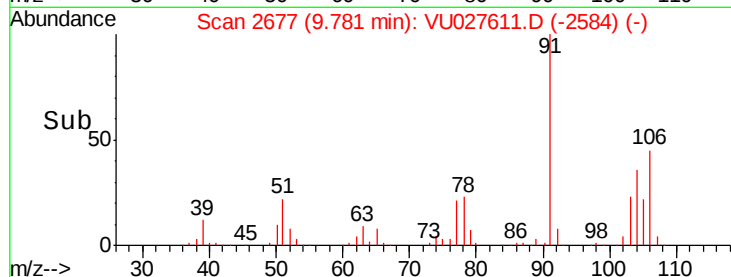
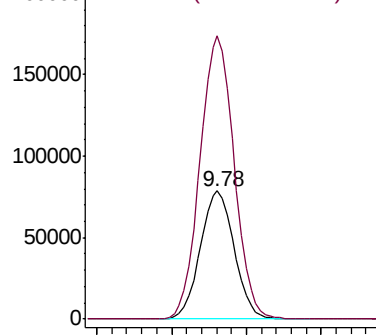
#54
o-xylene
Concen: 53.285 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU027611.D
Acq: 12 Oct 2018 08:39

Instrument :
MSVOA_U
ClientSampleId :
BFB42

Tgt Ion:106 Resp: 124297
Ion Ratio Lower Upper
106 100
91 220.6 154.8 287.4

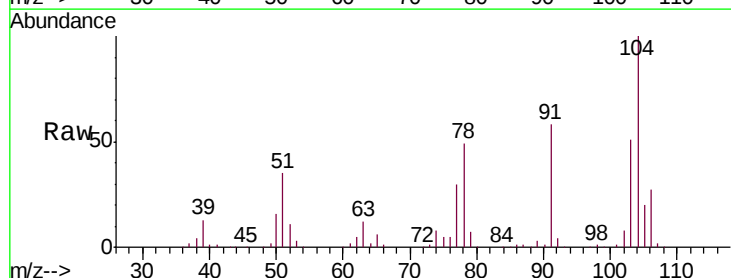


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

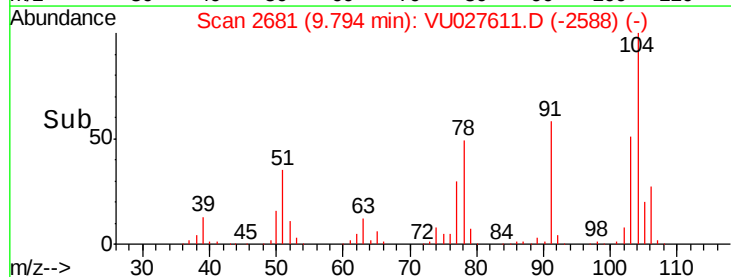
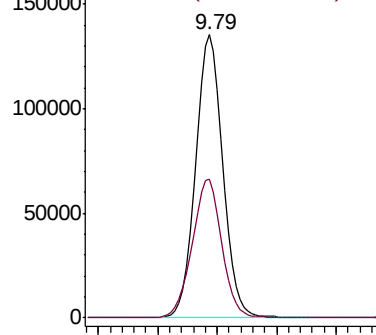


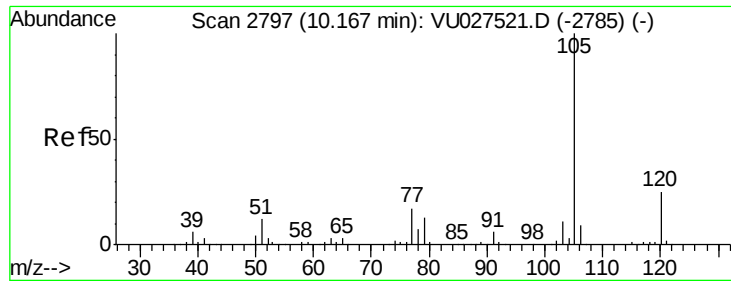
#55
Styrene
Concen: 53.672 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU027611.D
Acq: 12 Oct 2018 08:39

Tgt Ion:104 Resp: 214393
Ion Ratio Lower Upper
104 100
78 49.0 33.6 62.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 53.966 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027611.D

Acq: 12 Oct 2018 08:39

Instrument :

MSVOA_U

ClientSampled :

BFB42

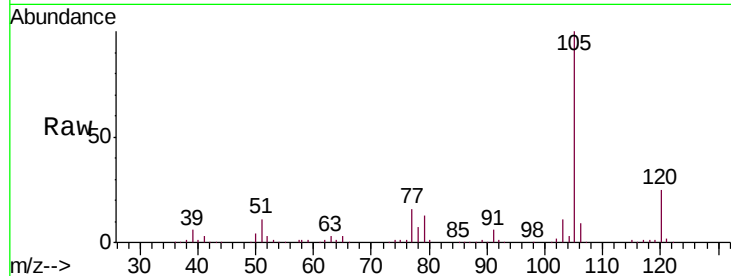
Tgt Ion: 105 Resp: 329902

Ion Ratio Lower Upper

105 100

120 25.4 20.6 30.8

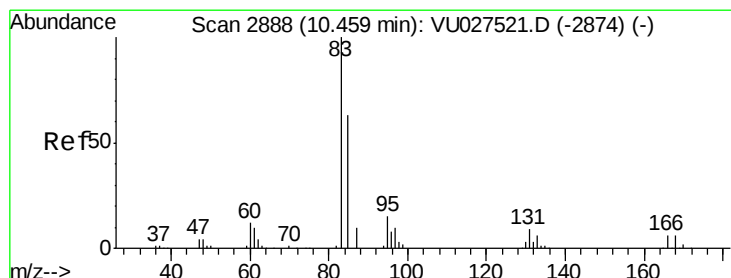
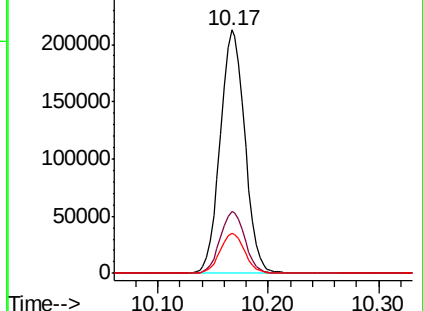
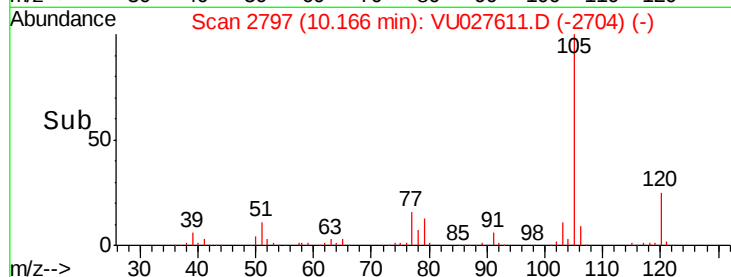
77 16.4 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 53.374 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU027611.D

Acq: 12 Oct 2018 08:39

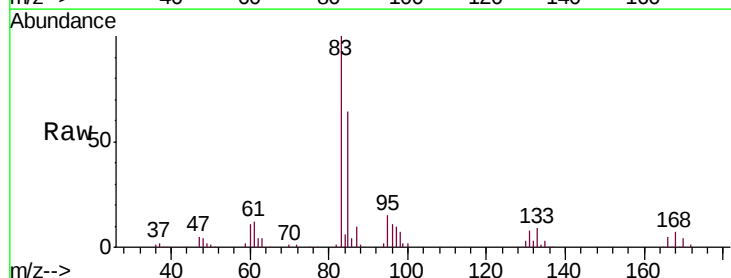
Tgt Ion: 83 Resp: 129151

Ion Ratio Lower Upper

83 100

85 64.1 45.2 84.0

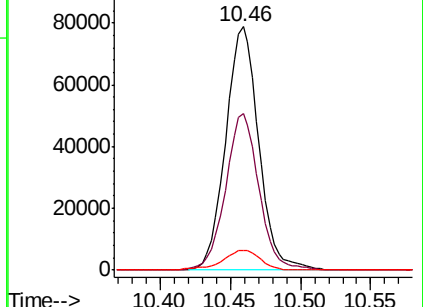
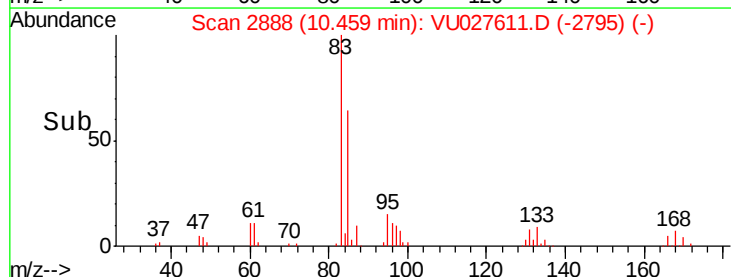
131 8.3 6.7 10.1

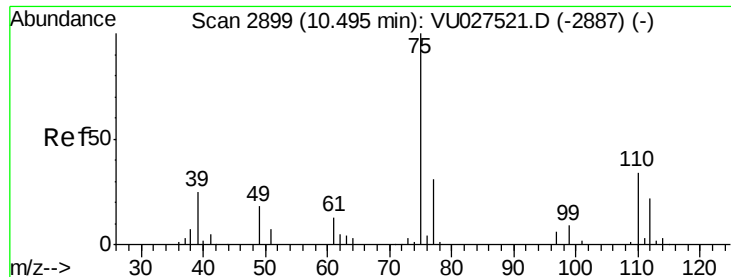


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

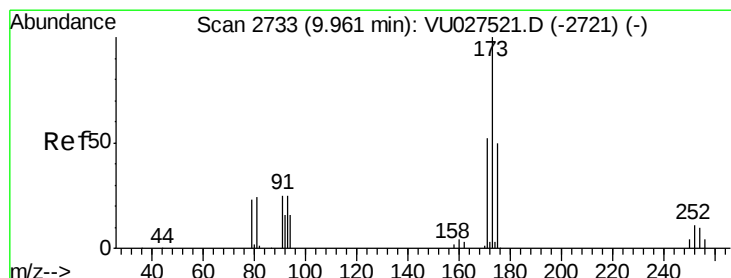
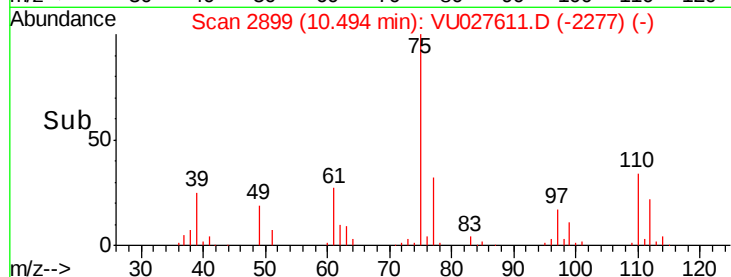
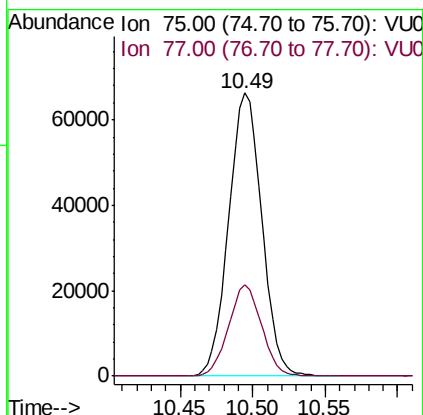
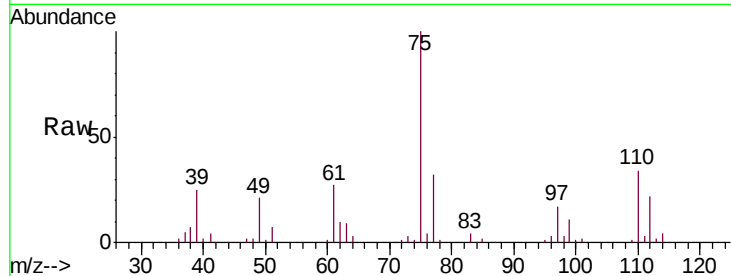




#59
 1,2,3-Trichloropropane
 Concen: 54.014 ug/L
 RT: 10.49 min Scan# 2899
 Delta R.T. -0.00 min
 Lab File: VU027611.D
 Acq: 12 Oct 2018 08:39

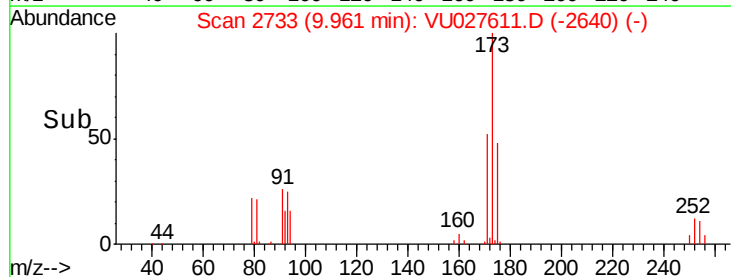
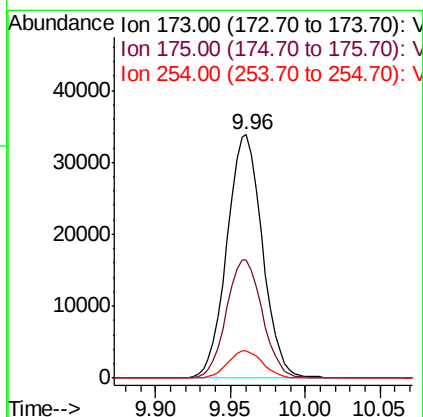
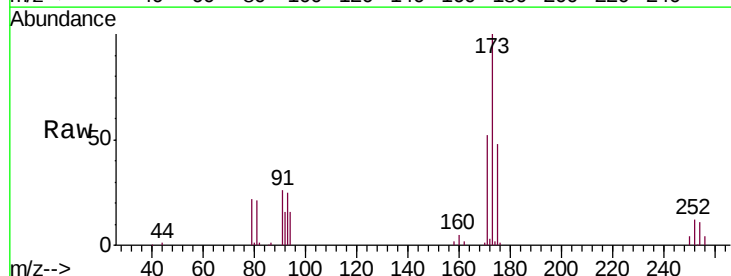
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB42

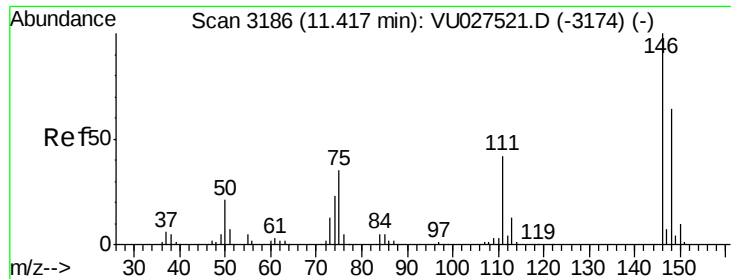
Tgt Ion: 75 Resp: 105205
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.7 38.5



#61
 Bromoform
 Concen: 56.564 ug/L
 RT: 9.96 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VU027611.D
 Acq: 12 Oct 2018 08:39

Tgt Ion: 173 Resp: 56013
 Ion Ratio Lower Upper
 173 100
 175 49.1 39.0 58.4
 254 11.1 8.3 12.5





#62

1,3-Dichlorobenzene

Concen: 51.054 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU027611.D

Acq: 12 Oct 2018 08:39

Instrument :

MSVOA_U

ClientSampleId :

BFB42

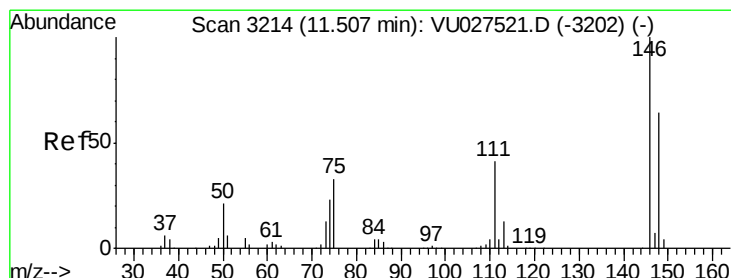
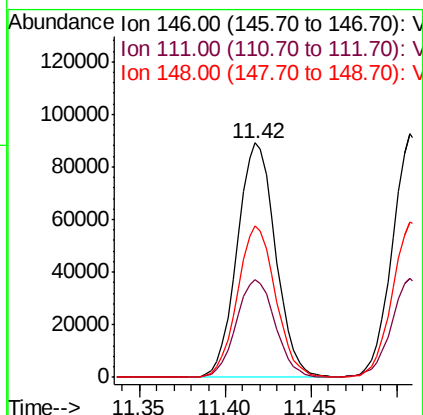
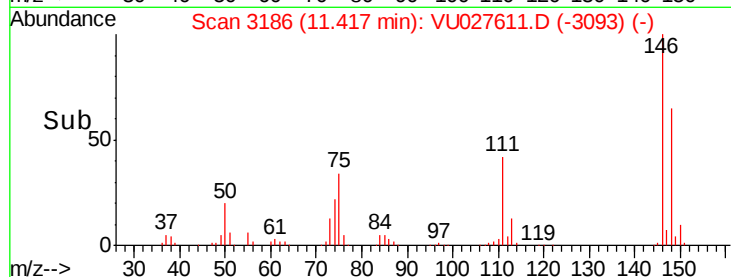
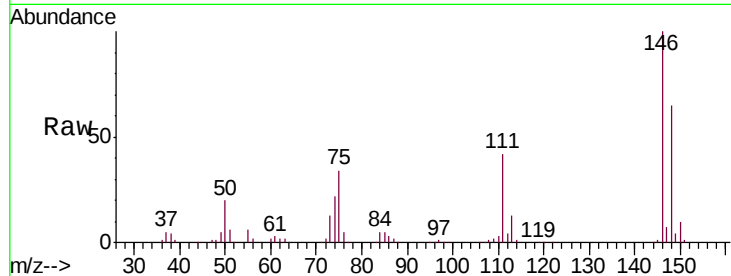
Tgt Ion:146 Resp: 138481

Ion Ratio Lower Upper

146 100

111 41.6 29.0 53.8

148 64.5 45.4 84.2



#63

1,4-Dichlorobenzene

Concen: 50.669 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU027611.D

Acq: 12 Oct 2018 08:39

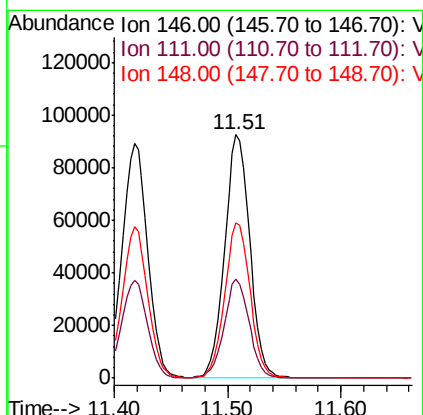
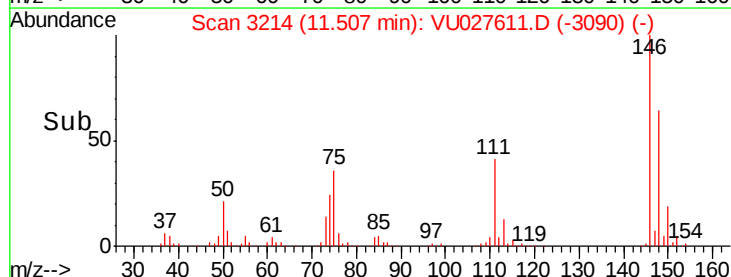
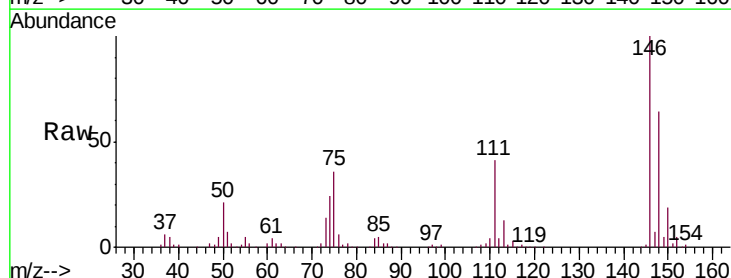
Tgt Ion:146 Resp: 143358

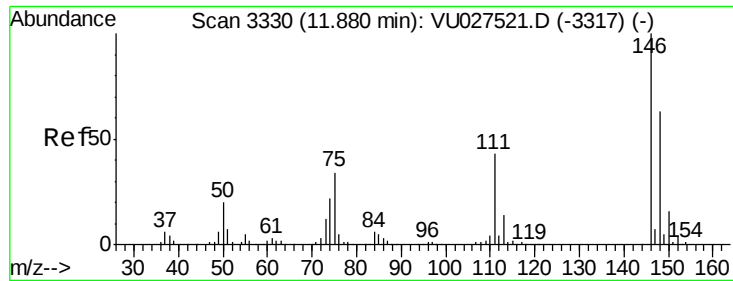
Ion Ratio Lower Upper

146 100

111 40.5 28.1 52.1

148 63.7 44.4 82.5

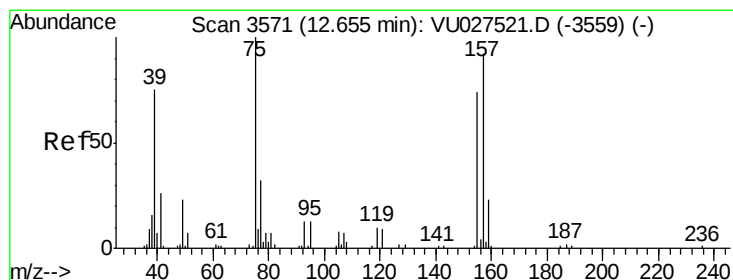
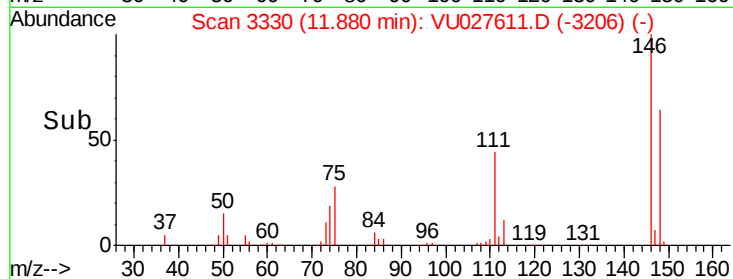
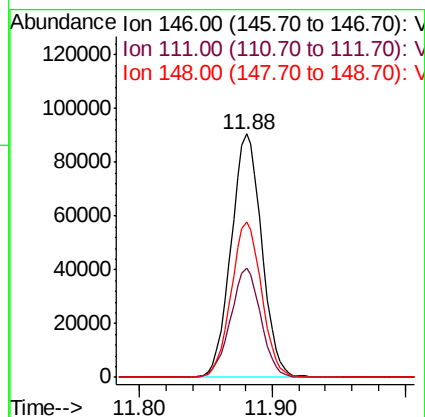
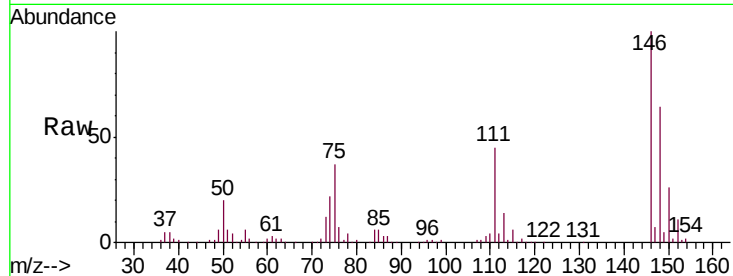




#65
 1,2-Dichlorobenzene
 Concen: 52.554 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU027611.D
 Acq: 12 Oct 2018 08:39

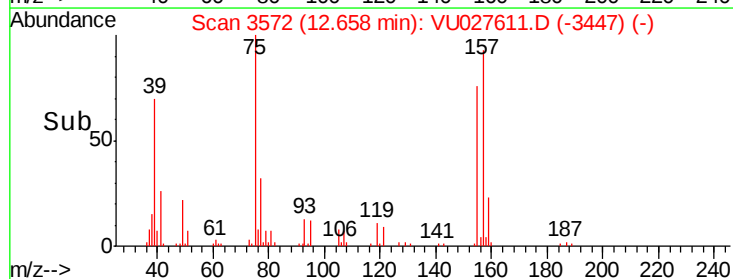
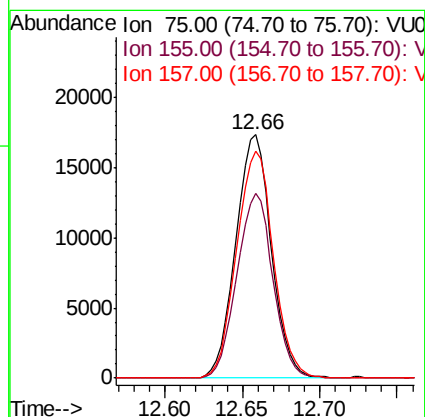
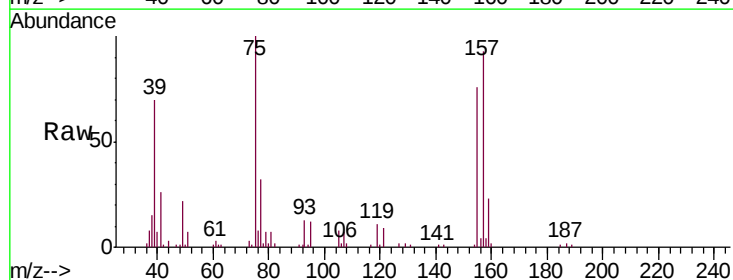
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB42

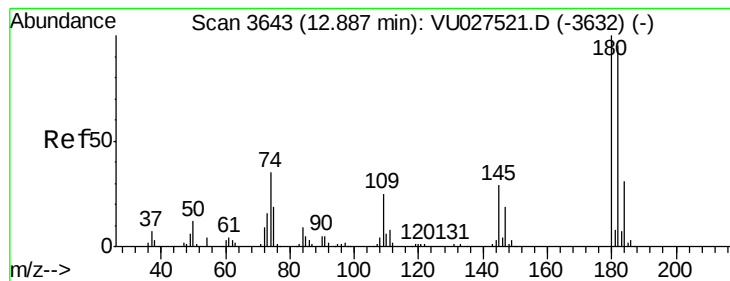
Tgt Ion: 146 Resp: 145112
 Ion Ratio Lower Upper
 146 100
 111 44.7 34.9 52.3
 148 64.0 51.6 77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 54.122 ug/L
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027611.D
 Acq: 12 Oct 2018 08:39

Tgt Ion: 75 Resp: 27703
 Ion Ratio Lower Upper
 75 100
 155 75.6 61.0 91.6
 157 93.3 77.8 116.8





#67

1,3,5-Trichlorobenzene

Concen: 50.681 ug/L

RT: 12.89 min Scan# 3644

Delta R.T. 0.00 min

Lab File: VU027611.D

Acq: 12 Oct 2018 08:39

Instrument :

MSVOA_U

ClientSampled :

BFB42

Tgt Ion:180 Resp: 106209

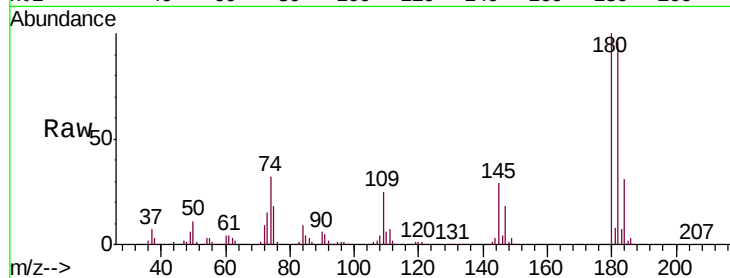
Ion Ratio Lower Upper

180 100

182 95.0 76.7 115.1

184 30.4 24.5 36.7

145 28.9 23.8 35.8

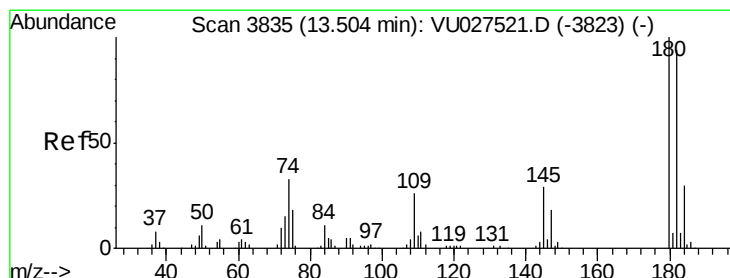
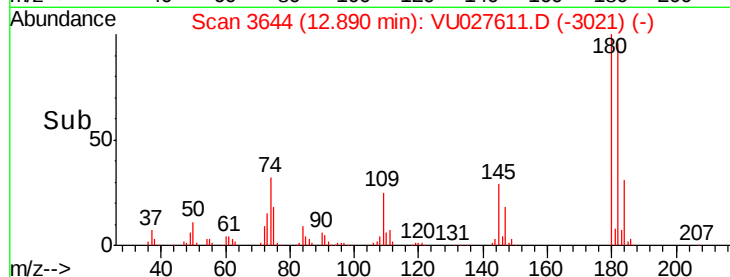
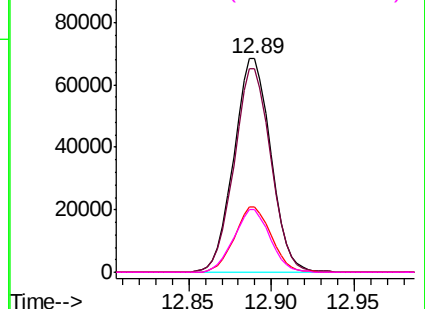


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 49.076 ug/L

RT: 13.50 min Scan# 3835

Delta R.T. -0.00 min

Lab File: VU027611.D

Acq: 12 Oct 2018 08:39

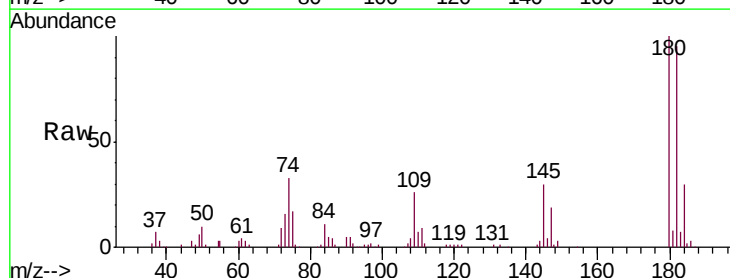
Tgt Ion:180 Resp: 94579

Ion Ratio Lower Upper

180 100

182 94.2 76.3 114.5

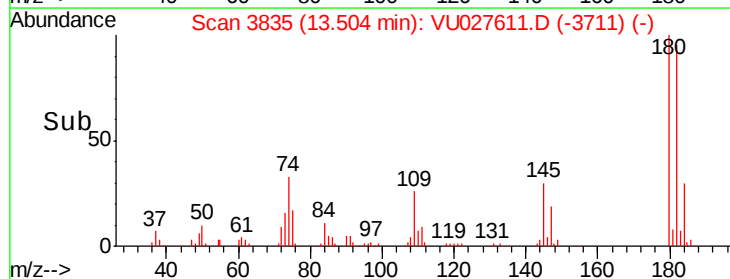
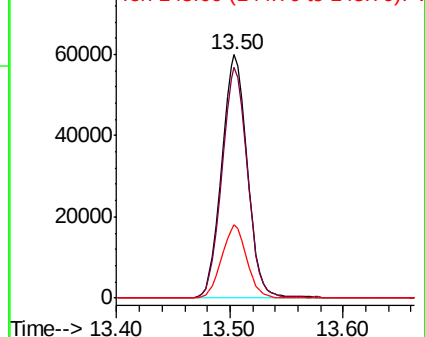
145 29.2 24.2 36.2

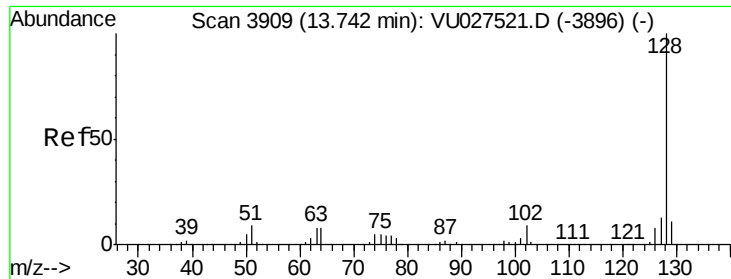


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

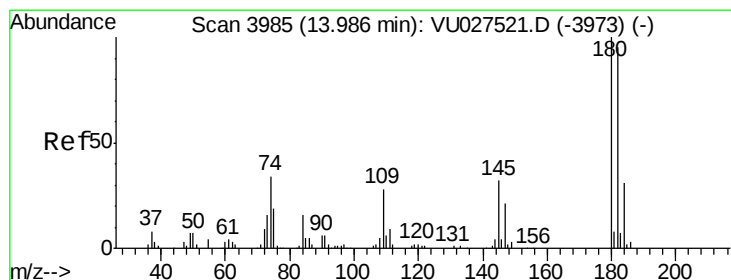
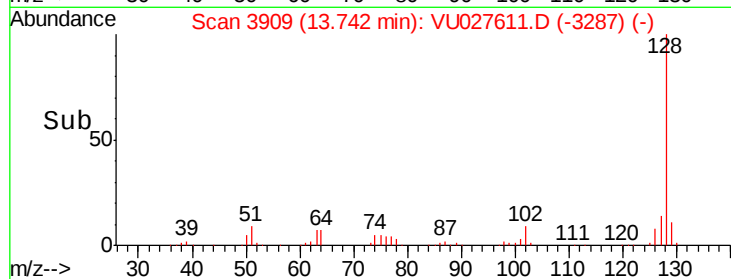
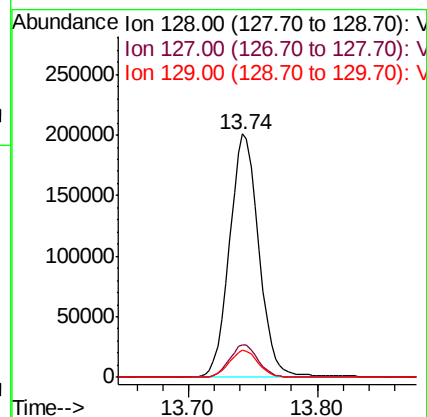
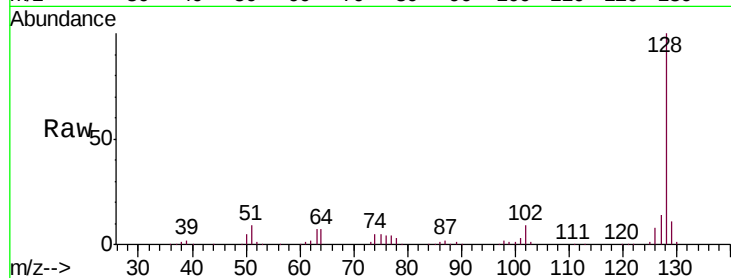




#69
Naphthalene
Concen: 53.378 ug/L
RT: 13.74 min Scan# 3909
Delta R.T. -0.00 min
Lab File: VU027611.D
Acq: 12 Oct 2018 08:39

Instrument :
MSVOA_U
ClientSampled :
BFB42

Tgt Ion:128 Resp: 317201
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 11.0 8.6 12.8



#70
1,2,3-Trichlorobenzene
Concen: 50.823 ug/L
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU027611.D
Acq: 12 Oct 2018 08:39

Tgt Ion:180 Resp: 99603
Ion Ratio Lower Upper
180 100
182 95.9 77.4 116.0
145 31.3 25.5 38.3

