

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091018\
 Data File : VU026635.D
 Acq On : 10 Sep 2018 08:32
 Operator : MD/SY
 Sample : VSTD01049
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 11 04:21:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 11 04:12:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	190076	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	178974	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	81702	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	13995	9.88	ug/L	0.00
7) Chloroethane-d5	1.68	69	11258	9.86	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	25314	9.99	ug/L	0.00
21) 2-Butanone-d5	4.18	46	16493	18.71	ug/L	0.00
24) Chloroform-d	4.65	84	23945	10.17	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	15676	10.17	ug/L	0.00
32) Benzene-d6	5.34	84	46012	9.93	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	15402	9.91	ug/L	0.00
41) Toluene-d8	7.57	98	41579	9.57	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	6782	9.38	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	11036	17.40	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	20491	9.63	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	16641	10.22	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	11503	9.614 ug/L	98
3) Chloromethane	1.33	50	15687	9.974 ug/L	99
5) Vinyl chloride	1.40	62	15868	9.764 ug/L	100
6) Bromomethane	1.63	94	9189	9.702 ug/L	100
8) Chloroethane	1.70	64	9899	9.821 ug/L	98
9) Trichlorofluoromethane	1.89	101	19550	9.540 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	11414	9.780 ug/L	98
12) 1,1-Dichloroethene	2.29	96	11167	9.964 ug/L	87
13) Acetone	2.32	43	23360	23.268 ug/L	99
14) Carbon disulfide	2.48	76	33964	9.331 ug/L	99
15) Methyl Acetate	2.62	43	14185	9.904 ug/L	96
16) Methylene chloride	2.70	84	12764	9.650 ug/L	98
17) trans-1,2-Dichloroethene	2.99	96	11235	9.461 ug/L	95
18) Methyl tert-butyl Ether	3.00	73	33792	9.234 ug/L	99
19) 1,1-Dichloroethane	3.45	63	22855	9.923 ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	12769	9.546 ug/L	98
22) 2-Butanone	4.26	43	23258	20.234 ug/L	98
23) Bromochloromethane	4.55	128	6663	9.739 ug/L	98
25) Chloroform	4.68	83	22567	9.748 ug/L	98
27) 1,2-Dichloroethane	5.41	62	17904	9.740 ug/L	98
29) Cyclohexane	5.00	56	17636	8.996 ug/L #	94
30) 1,1,1-Trichloroethane	4.92	97	18583	9.801 ug/L	97
31) Carbon tetrachloride	5.14	117	16713	9.752 ug/L	96
33) Benzene	5.39	78	48625	9.702 ug/L	100
34) Trichloroethene	6.19	95	11852	9.514 ug/L	98
35) Methylcyclohexane	6.42	83	17242	8.647 ug/L	96
37) 1,2-Dichloropropane	6.44	63	13516	9.653 ug/L	100
38) Bromodichloromethane	6.76	83	16740	9.756 ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	18657	9.005 ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	32322	18.097 ug/L	97

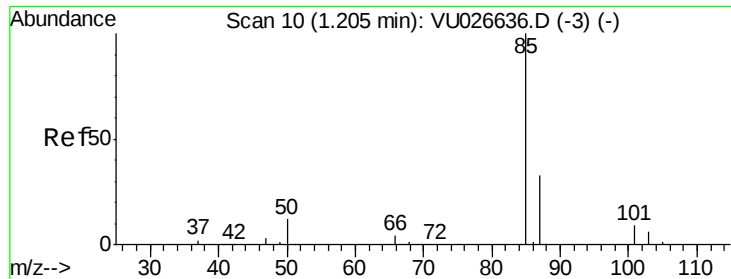
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091018\
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 Quant Title : VOC Analysis
 QLast Update : Tue Sep 11 04:12:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	47832	9.208	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	17158	8.902	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	11897	9.579	ug/L	99
46) Tetrachloroethene	8.23	164	10001	9.553	ug/L	98
48) 2-Hexanone	8.36	43	28991	19.226	ug/L	96
49) Dibromochloromethane	8.48	129	13942	9.712	ug/L	99
50) 1,2-Dibromoethane	8.59	107	12804	9.637	ug/L	98
51) Chlorobenzene	9.12	112	31973	9.374	ug/L	98
52) Ethylbenzene	9.25	91	48896	8.703	ug/L	96
53) m,p-Xylene	9.38	106	18284	8.631	ug/L	93
54) o-xylene	9.78	106	18087	8.603	ug/L	98
55) Styrene	9.79	104	29974	8.428	ug/L	99
56) Isopropylbenzene	10.17	105	44462	8.302	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	20435	9.498	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	15548	9.385	ug/L	98
61) Bromoform	9.96	173	10300	10.234	ug/L	96
62) 1,3-Dichlorobenzene	11.42	146	21507	9.168	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	23791	9.573	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	24390	9.837	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	4037	10.079	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	16406	8.816	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	13455	8.319	ug/L	98
69) Naphthalene	13.74	128	40380	8.148	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	15407	8.794	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 9.614 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU026635.D

Acq: 10 Sep 2018 08:32

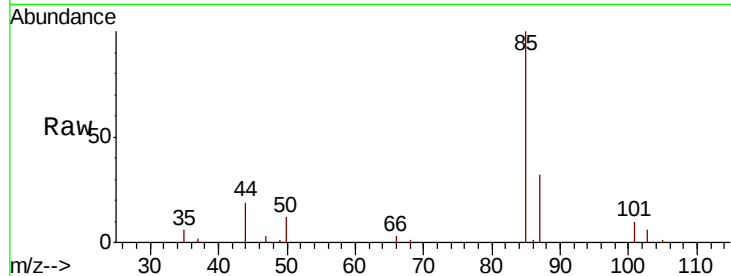
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 11503

Ion Ratio Lower Upper

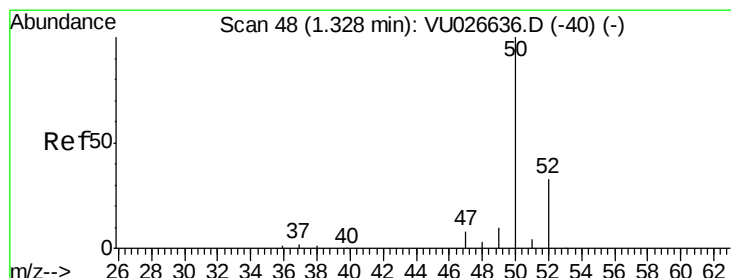
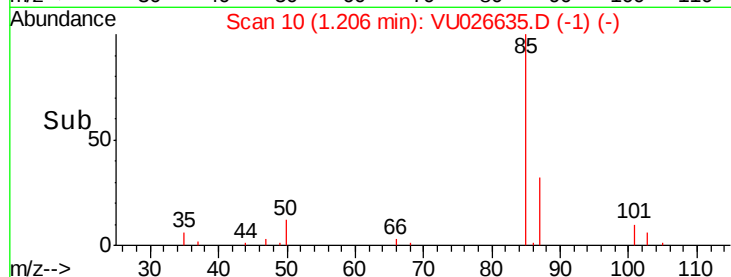
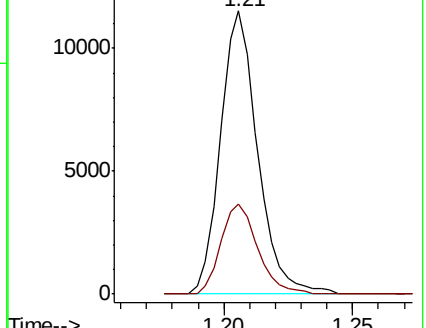
85 100

87 31.6 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU026635.D (-3) (-)

Ion 87.00 (86.70 to 87.70): VU026635.D (-3) (-)



#3

Chloromethane

Concen: 9.974 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU026635.D

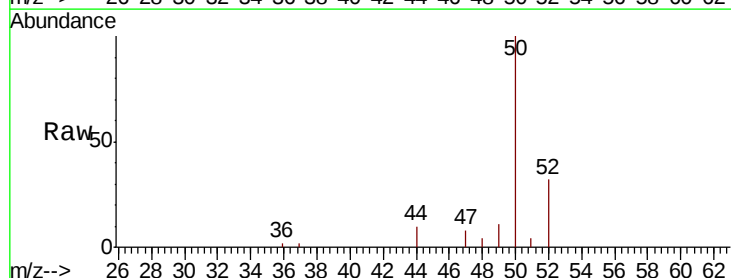
Acq: 10 Sep 2018 08:32

Tgt Ion: 50 Resp: 15687

Ion Ratio Lower Upper

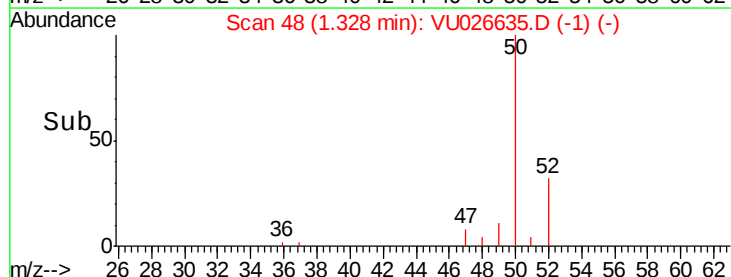
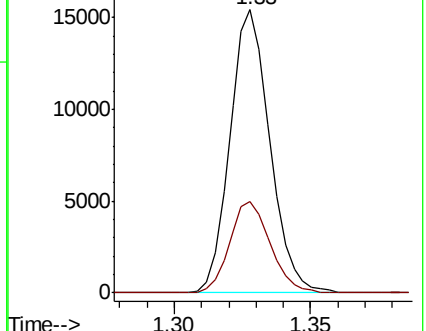
50 100

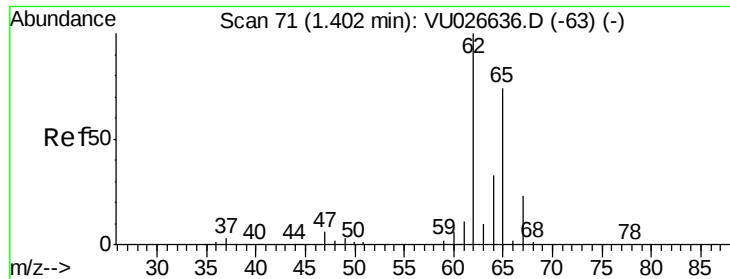
52 32.4 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VU026635.D (-40) (-)

Ion 52.00 (51.70 to 52.70): VU026635.D (-40) (-)





#5

Vinyl chloride

Concen: 9.764 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026635.D

Acq: 10 Sep 2018 08:32

Instrument :

MSVOA_U

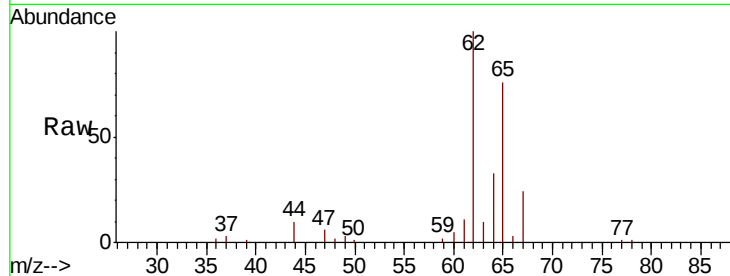
ClientSampled :

Tot Ion: 62 Resp: 15868

Ion Ratio Lower Upper

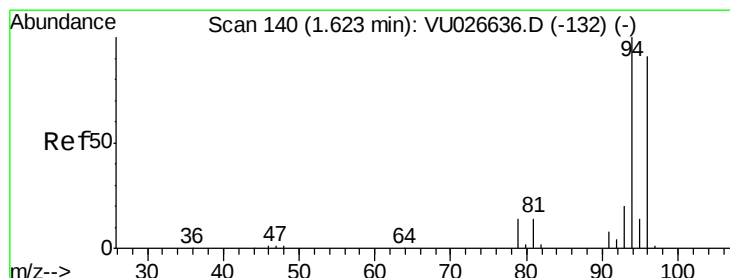
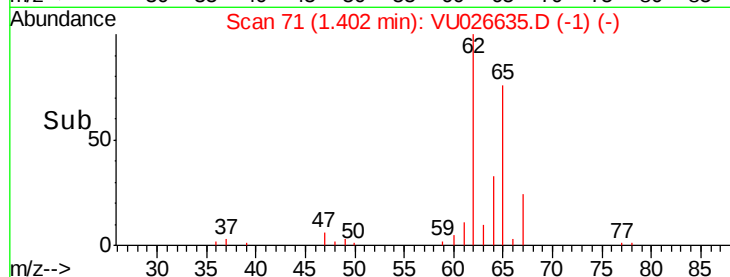
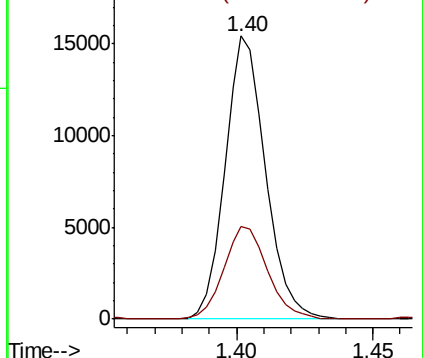
62 100

64 32.6 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 9.702 ug/L

RT: 1.63 min Scan# 142

Delta R.T. 0.01 min

Lab File: VU026635.D

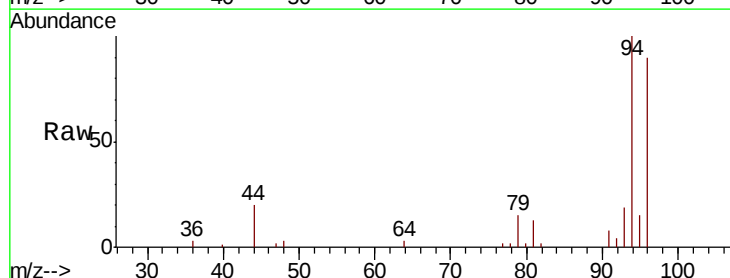
Acq: 10 Sep 2018 08:32

Tgt Ion: 94 Resp: 9189

Ion Ratio Lower Upper

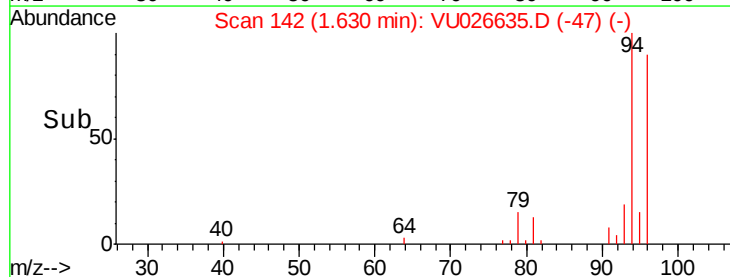
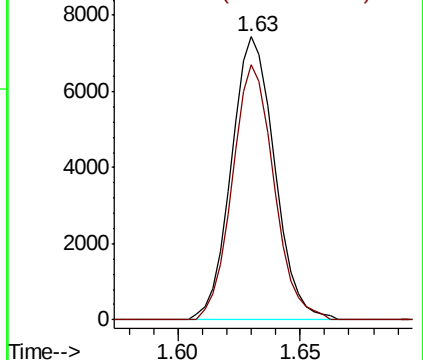
94 100

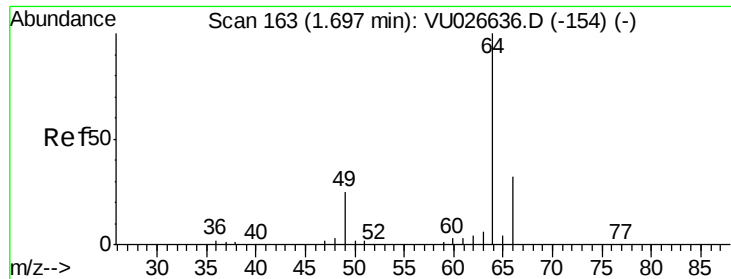
96 90.4 63.6 118.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

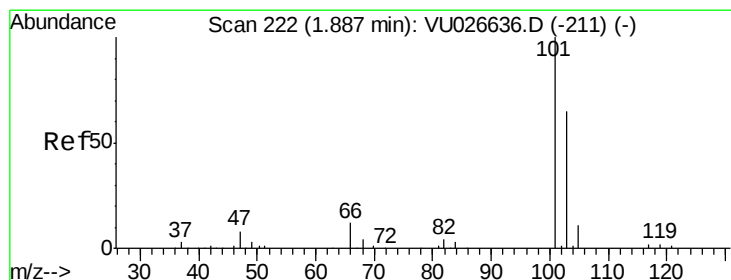
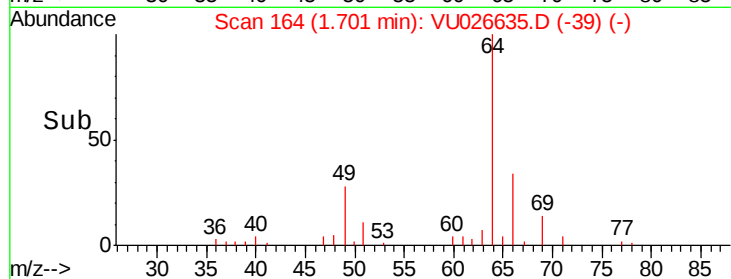
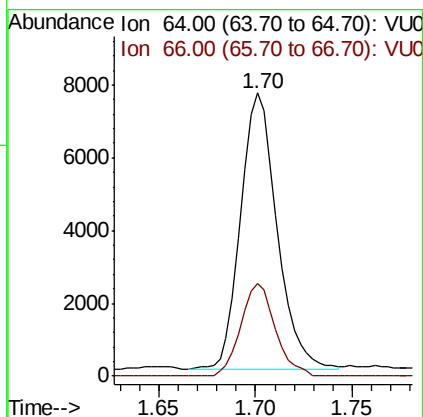
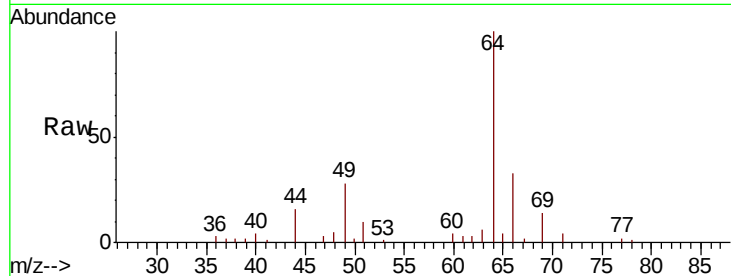




#8
 Chloroethane
 Concen: 9.821 ug/L
 RT: 1.70 min Scan# 164
 Delta R.T. 0.00 min
 Lab File: VU026635.D
 Acq: 10 Sep 2018 08:32

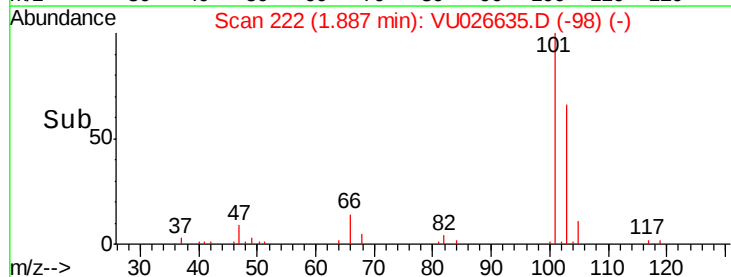
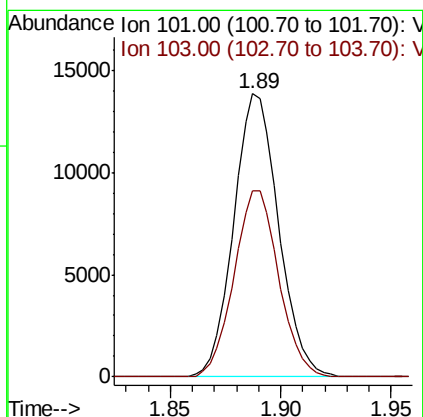
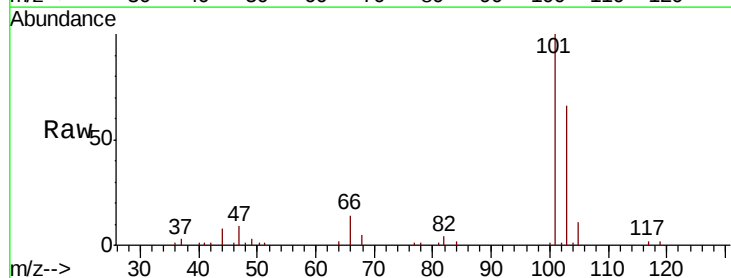
Instrument :
 MSVOA_U
 ClientSampleId :

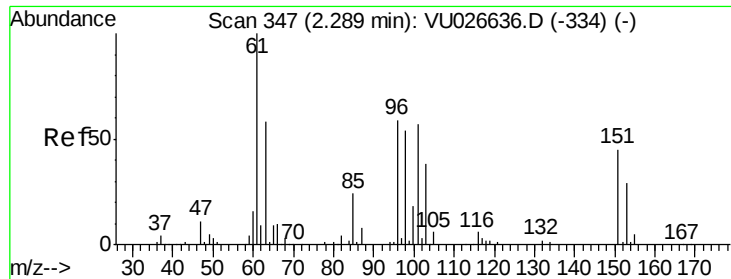
Tot Ion: 64 Resp: 9899
 Ion Ratio Lower Upper
 64 100
 66 32.9 22.4 41.6



#9
 Trichlorofluoromethane
 Concen: 9.540 ug/L
 RT: 1.89 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VU026635.D
 Acq: 10 Sep 2018 08:32

Tgt Ion: 101 Resp: 19550
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.8 77.6





#10

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

Concen: 9.780 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU026635.D

Acq: 10 Sep 2018 08:32

Instrument :

MSVOA_U

ClientSampleId :

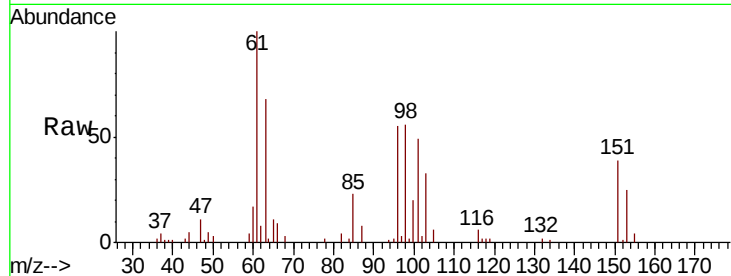
Tot Ion:101 Resp: 11414

Ion Ratio Lower Upper

101 100

85 43.7 34.1 51.1

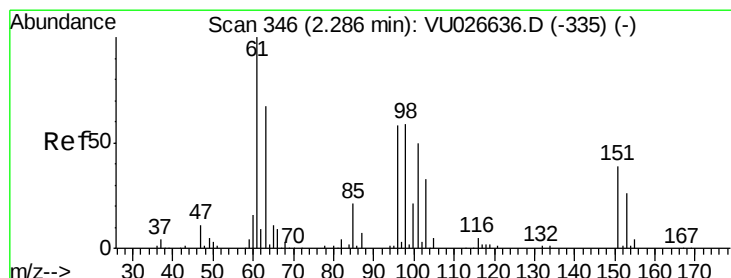
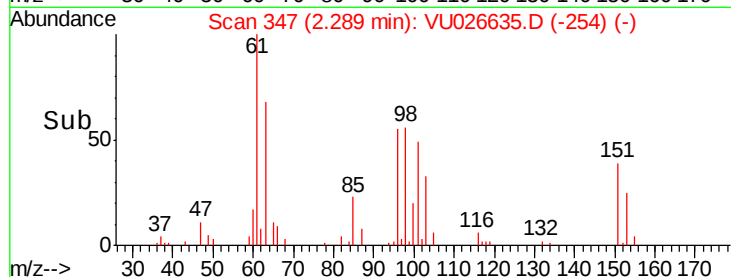
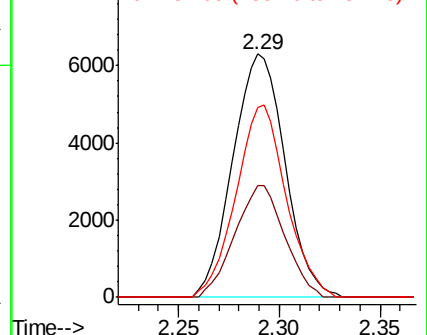
151 75.8 62.6 94.0



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: 9.964 ug/L

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU026635.D

Acq: 10 Sep 2018 08:32

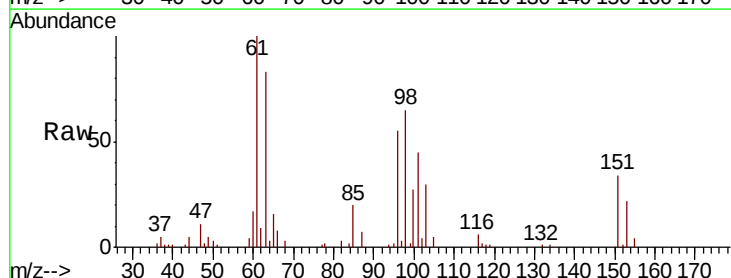
Tgt Ion: 96 Resp: 11167

Ion Ratio Lower Upper

96 100

61 182.5 121.0 224.8

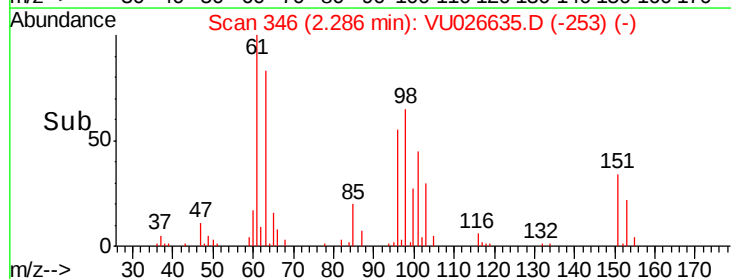
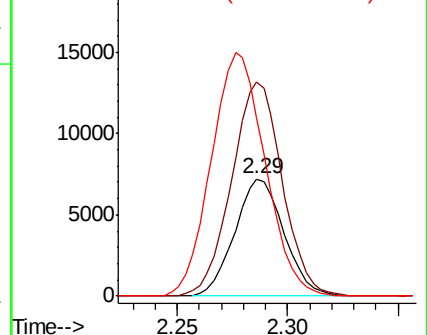
63 151.6 89.9 166.9

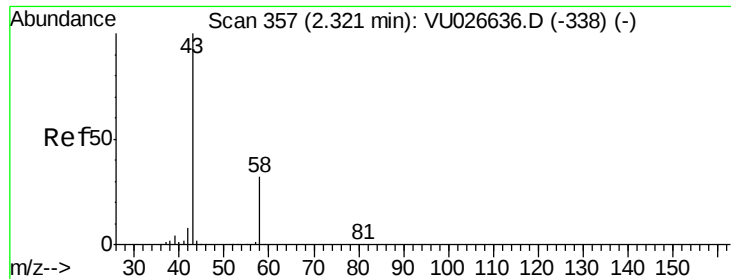


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 23.268 ug/L

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

Lab File: VU026635.D

Acq: 10 Sep 2018 08:32

Instrument :

MSVOA_U

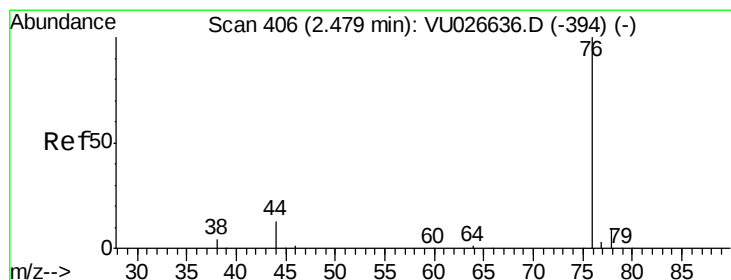
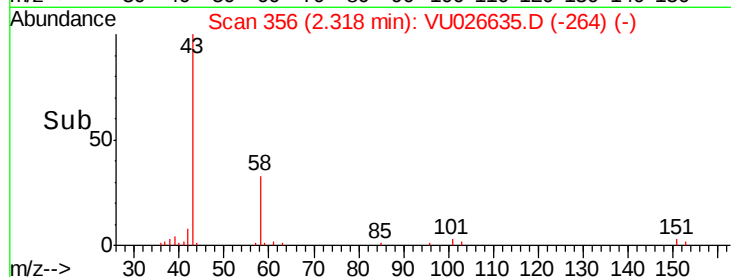
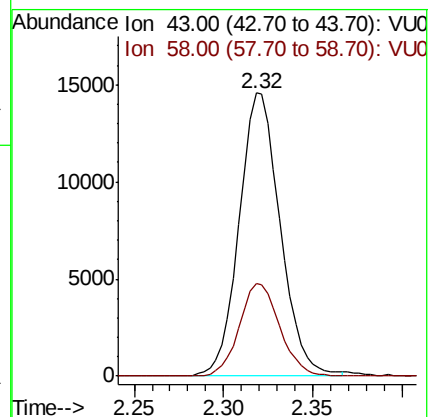
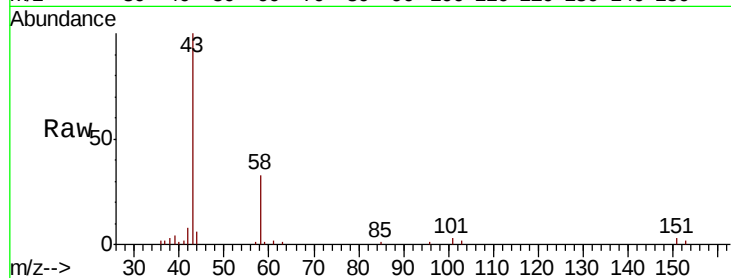
ClientSampled :

Tot Ion: 43 Resp: 23360

Ion Ratio Lower Upper

43 100

58 32.1 0.0 62.8



#14

Carbon disulfide

Concen: 9.331 ug/L

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU026635.D

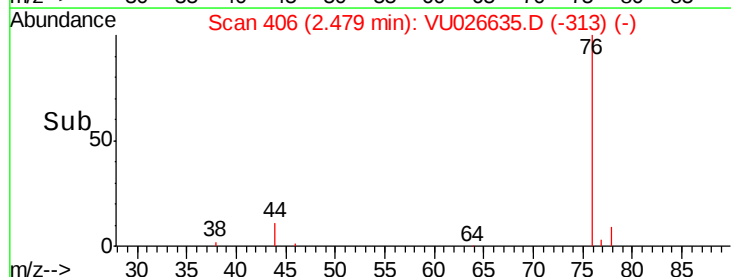
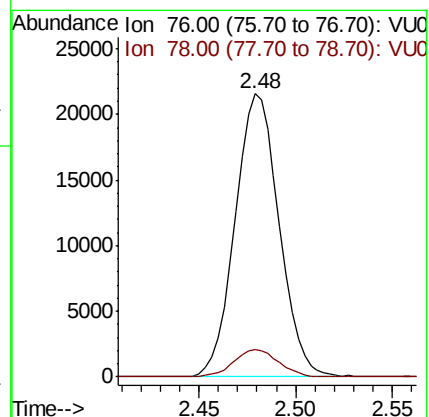
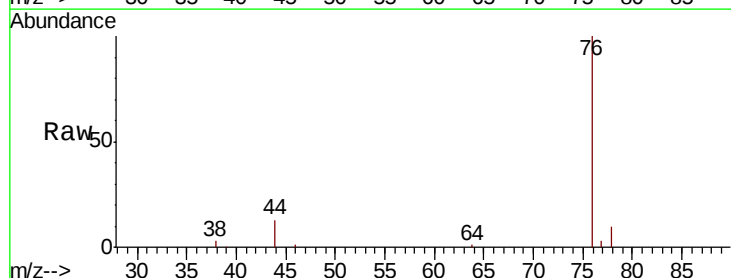
Acq: 10 Sep 2018 08:32

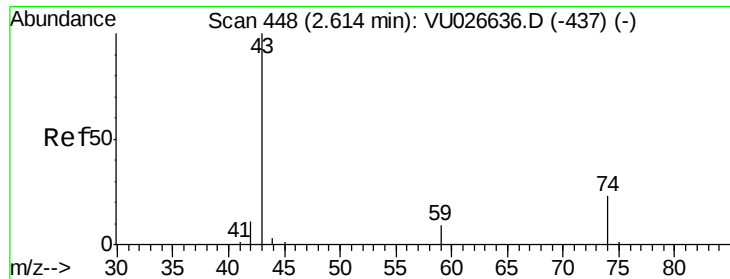
Tgt Ion: 76 Resp: 33964

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.2





#15

Methyl Acetate

Concen: 9.904 ug/L

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU026635.D

Acq: 10 Sep 2018 08:32

Instrument :

MSVOA_U

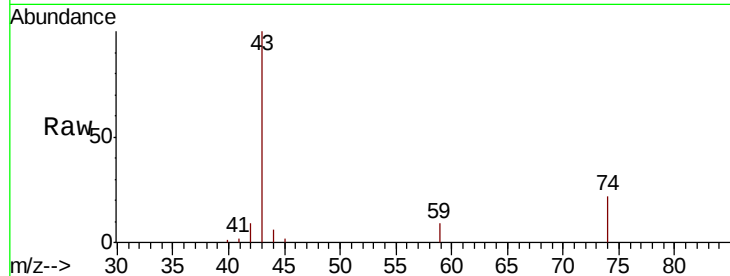
ClientSampled :

Tot Ion: 43 Resp: 14185

Ion Ratio Lower Upper

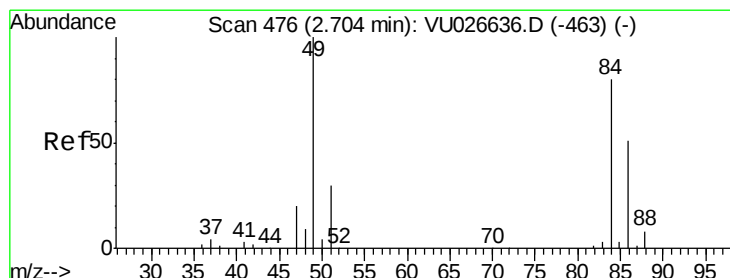
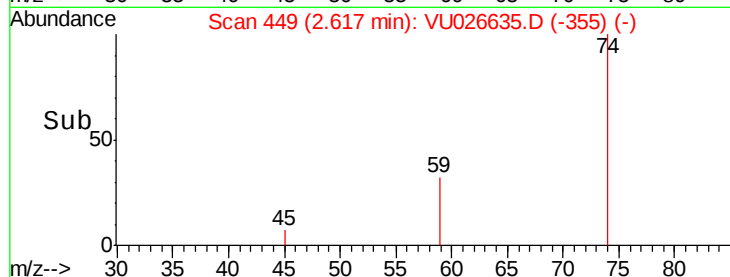
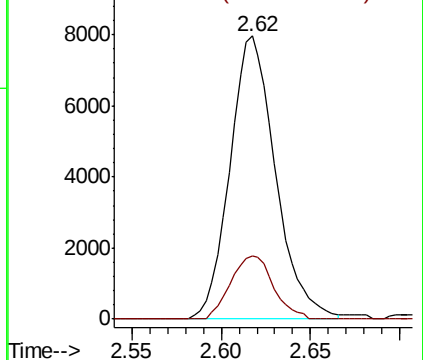
43 100

74 21.0 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 9.650 ug/L

RT: 2.70 min Scan# 476

Delta R.T. 0.00 min

Lab File: VU026635.D

Acq: 10 Sep 2018 08:32

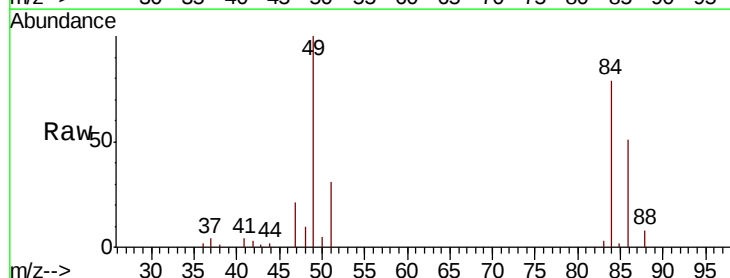
Tgt Ion: 84 Resp: 12764

Ion Ratio Lower Upper

84 100

86 64.6 44.1 81.9

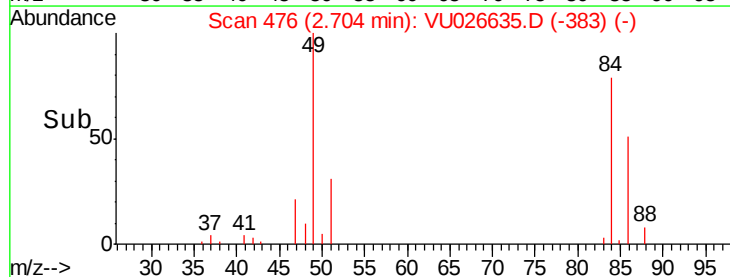
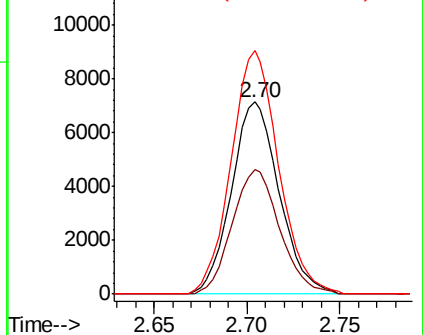
49 126.7 87.2 161.9

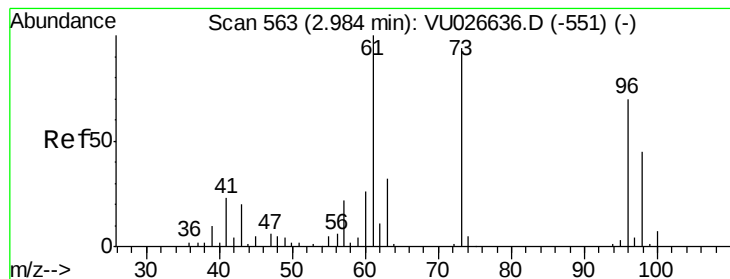


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 9.461 ug/L

RT: 2.99 min Scan# 564

Delta R.T. 0.00 min

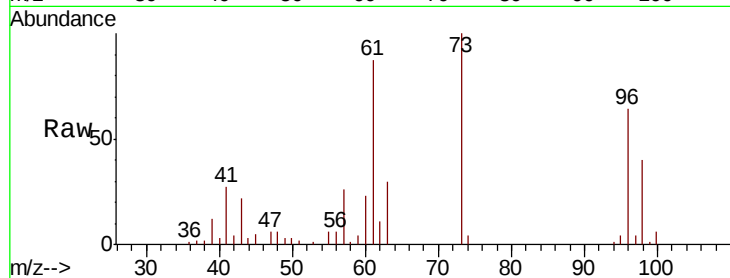
Lab File: VU026635.D

Acq: 10 Sep 2018 08:32

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 11235

Ion	Ratio	Lower	Upper
96	100		
61	135.6	99.7	185.1
98	61.6	45.1	83.7

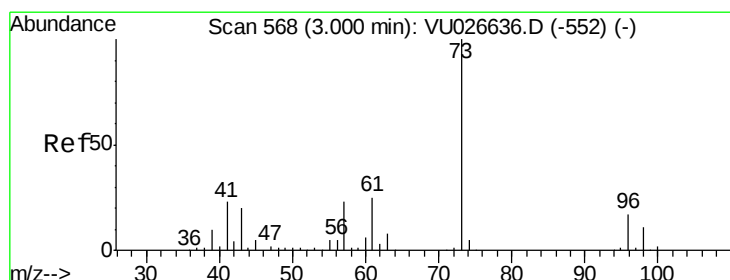
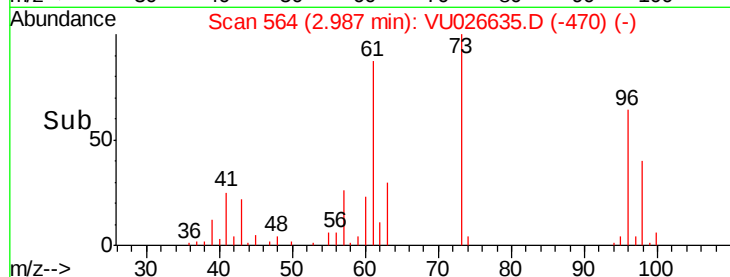
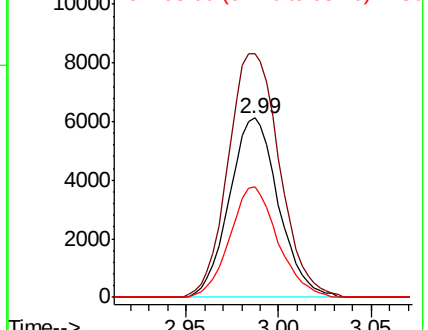


Abundance

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: 9.234 ug/L

RT: 3.00 min Scan# 568

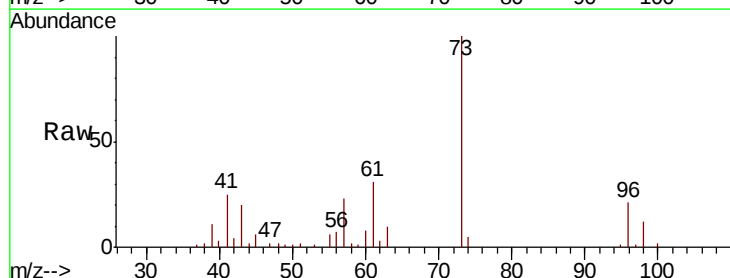
Delta R.T. 0.00 min

Lab File: VU026635.D

Acq: 10 Sep 2018 08:32

Tgt Ion: 73 Resp: 33792

Ion	Ratio	Lower	Upper
73	100		
43	20.4	16.0	24.0
57	23.1	18.6	27.8

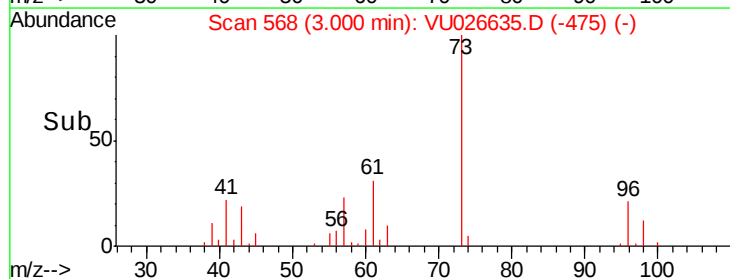
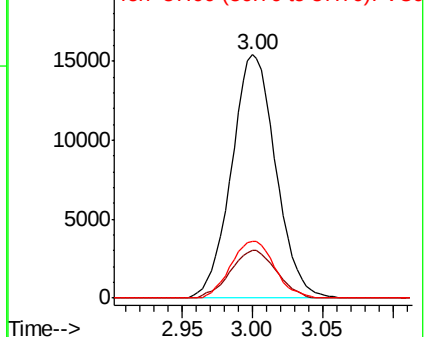


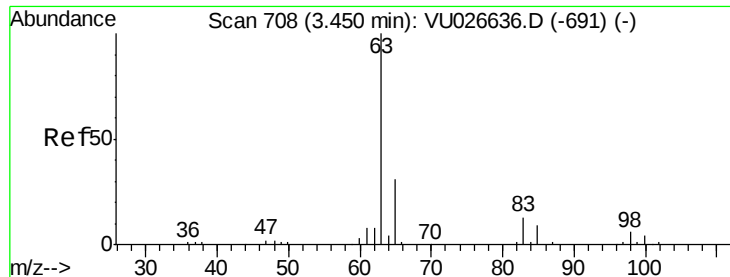
Abundance

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: 9.923 ug/L

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU026635.D

Acq: 10 Sep 2018 08:32

Instrument :

MSVOA_U

ClientSampleId :

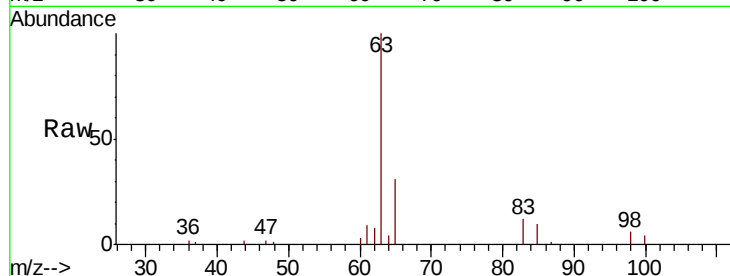
Tot Ion: 63 Resp: 22855

Ion Ratio Lower Upper

63 100

65 31.0 21.9 40.7

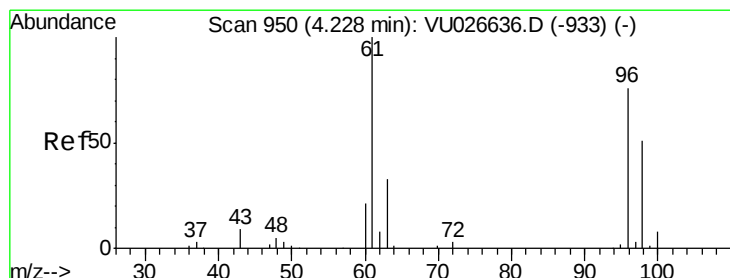
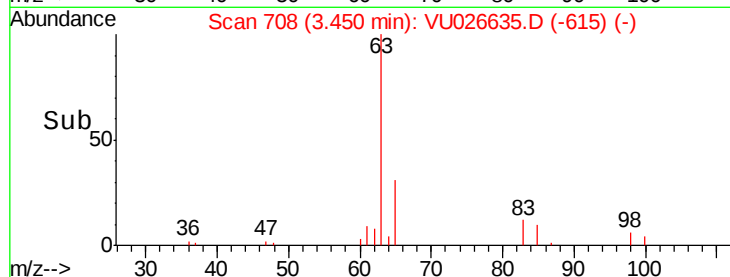
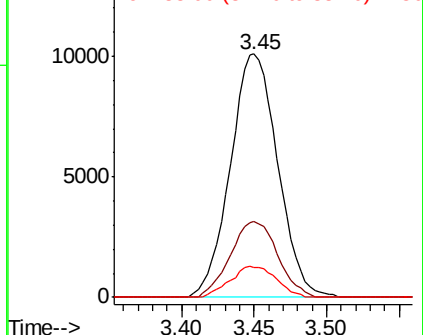
83 12.5 9.2 17.2



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: 9.546 ug/L

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU026635.D

Acq: 10 Sep 2018 08:32

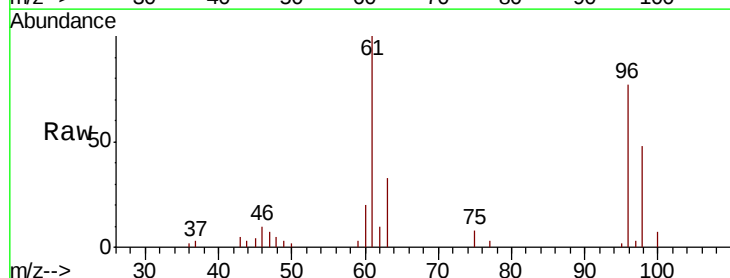
Tgt Ion: 96 Resp: 12769

Ion Ratio Lower Upper

96 100

61 130.6 92.9 172.5

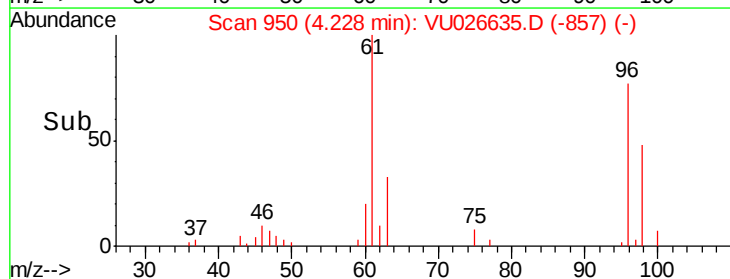
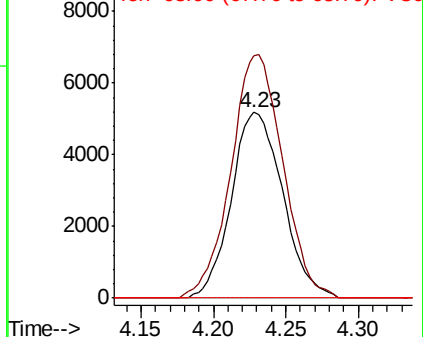
68 0.0 0.0 0.0

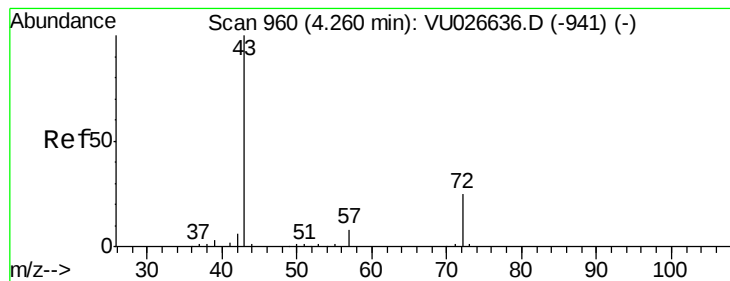


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 20.234 ug/L

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU026635.D

Acq: 10 Sep 2018 08:32

Instrument :

MSVOA_U

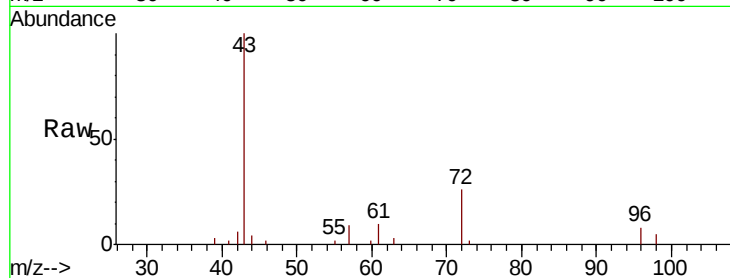
ClientSampled :

Tot Ion: 43 Resp: 23258

Ion Ratio Lower Upper

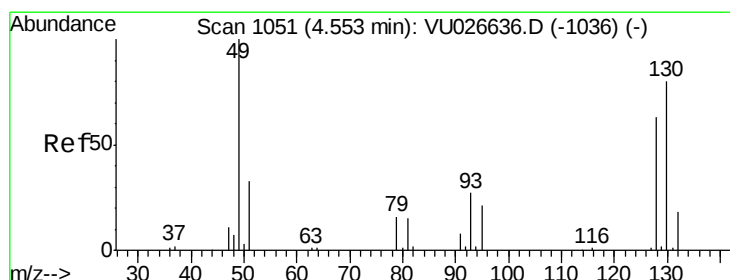
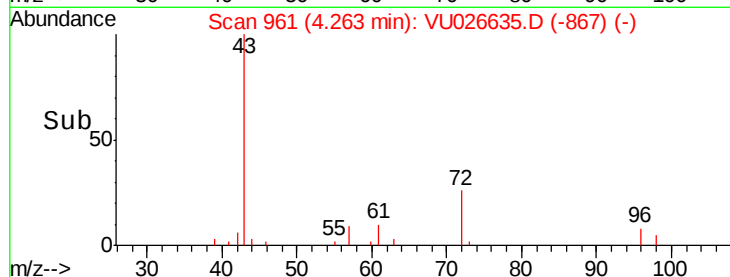
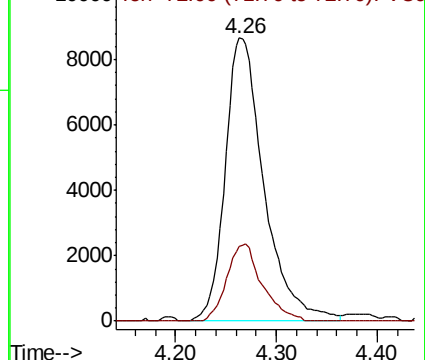
43 100

72 24.8 12.9 38.6



Abundance Ion 43.00 (42.70 to 43.70): VU026635.D (-961) (-)

Ion 72.00 (71.70 to 72.70): VU026635.D (-961) (-)



#23

Bromochloromethane

Concen: 9.739 ug/L

RT: 4.55 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU026635.D

Acq: 10 Sep 2018 08:32

Tgt Ion: 128 Resp: 6663

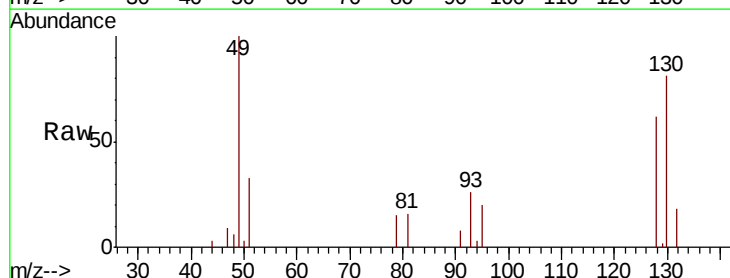
Ion Ratio Lower Upper

128 100

49 160.8 111.7 207.5

130 129.9 89.0 165.2

51 53.8 42.0 63.0

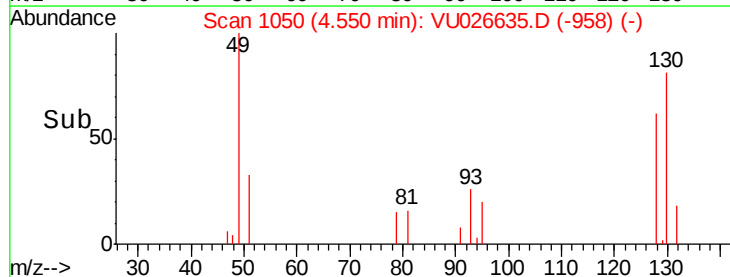
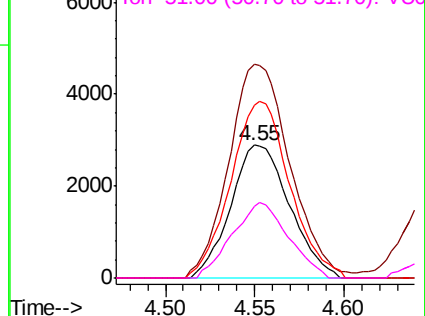


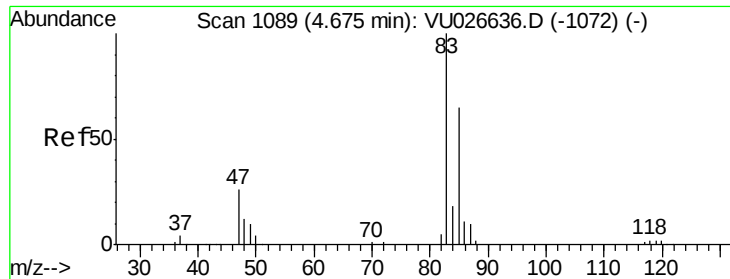
Abundance Ion 128.00 (127.70 to 128.70): VU026635.D (-958) (-)

Ion 49.00 (48.70 to 49.70): VU026635.D (-958) (-)

Ion 130.00 (129.70 to 130.70): VU026635.D (-958) (-)

Ion 51.00 (50.70 to 51.70): VU026635.D (-958) (-)

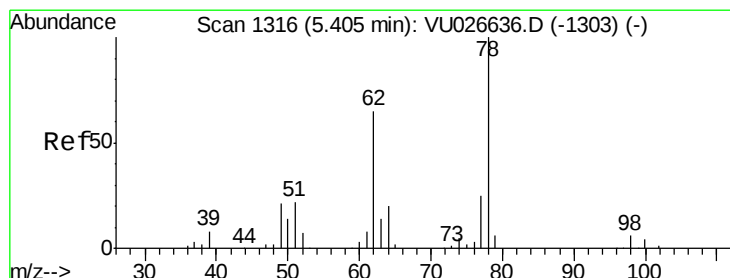
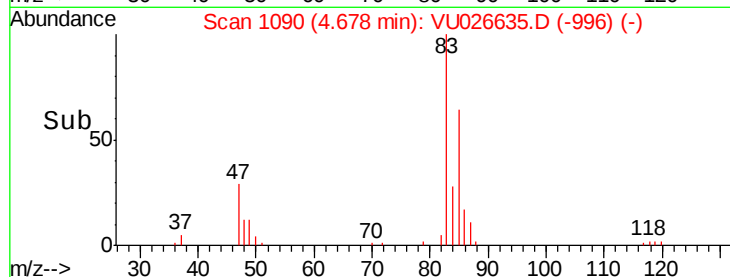
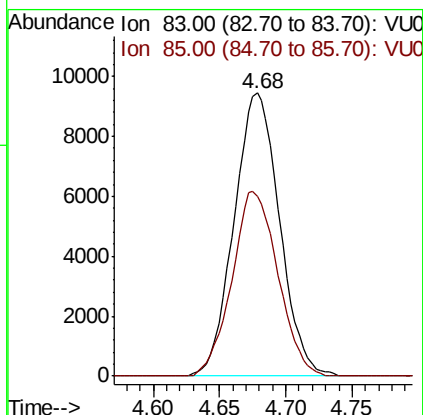
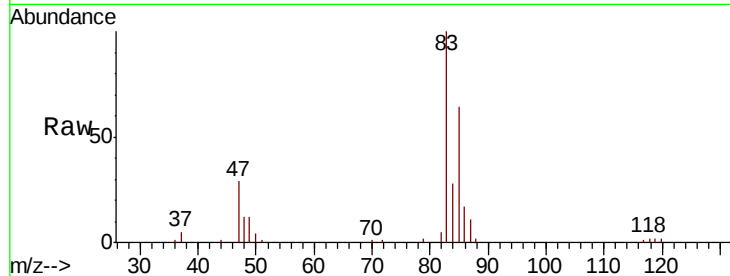




#25
Chloroform
Concen: 9.748 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU026635.D
Acq: 10 Sep 2018 08:32

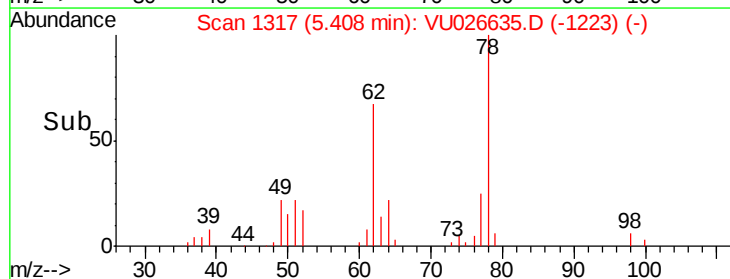
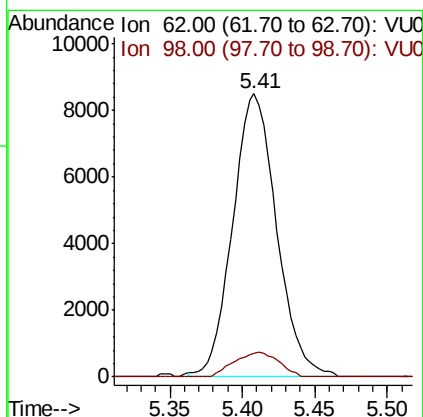
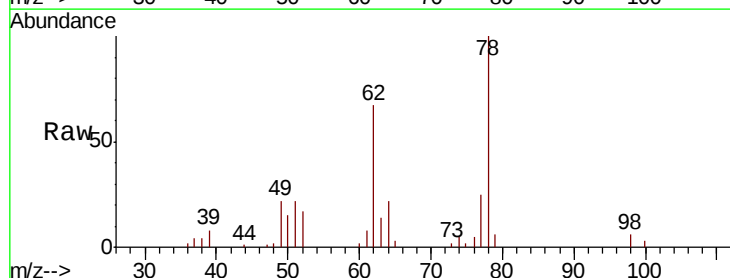
Instrument :
MSVOA_U
ClientSampled :

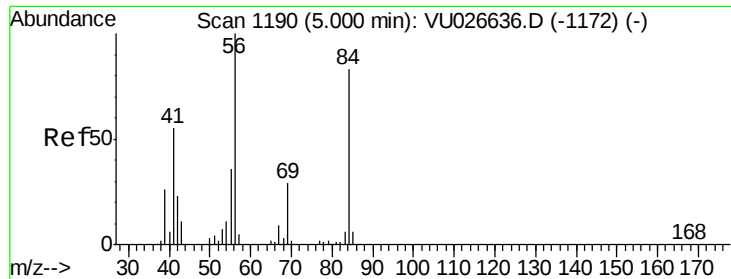
Tot Ion: 83 Resp: 22567
Ion Ratio Lower Upper
83 100
85 63.7 45.6 84.6



#27
1,2-Dichloroethane
Concen: 9.740 ug/L
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU026635.D
Acq: 10 Sep 2018 08:32

Tgt Ion: 62 Resp: 17904
Ion Ratio Lower Upper
62 100
98 8.5 7.4 11.0

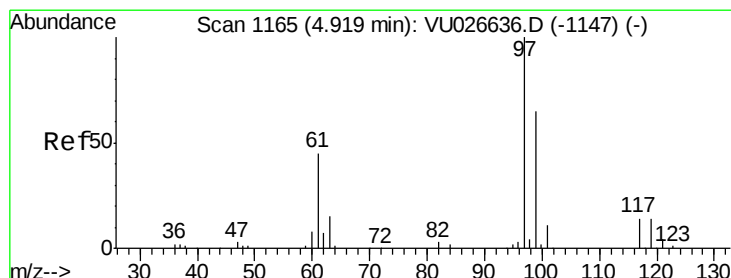
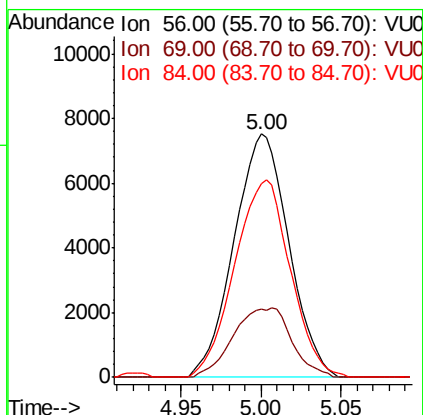
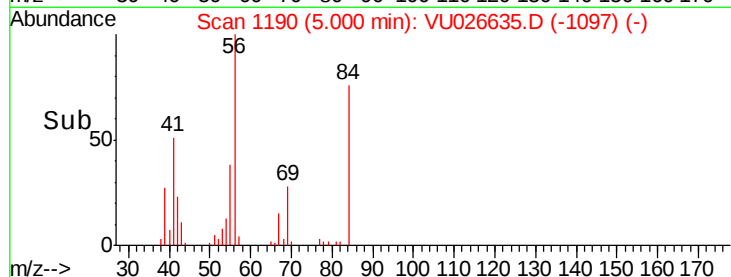
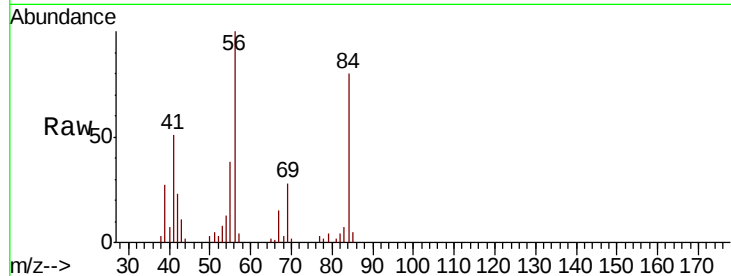




#29
Cyclohexane
Concen: 8.996 ug/L
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU026635.D
Acq: 10 Sep 2018 08:32

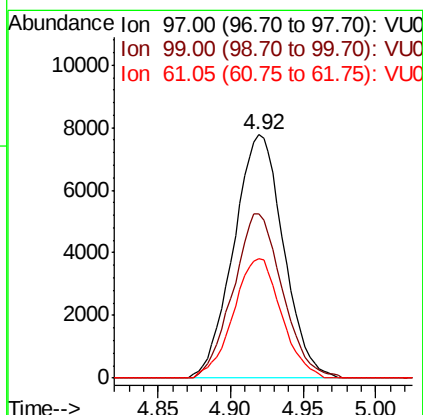
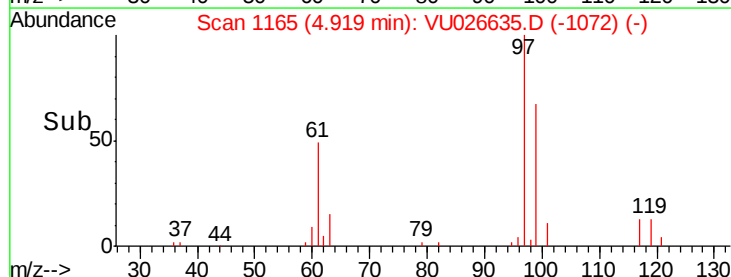
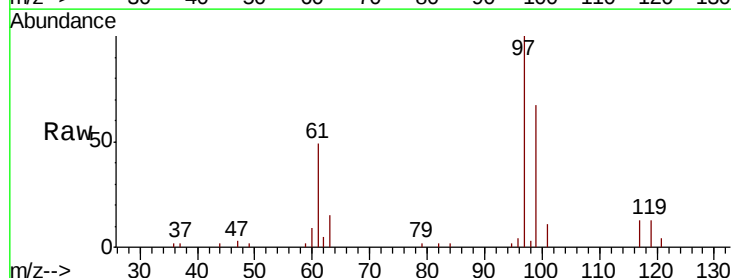
Instrument :
MSVOA_U
ClientSampleId :

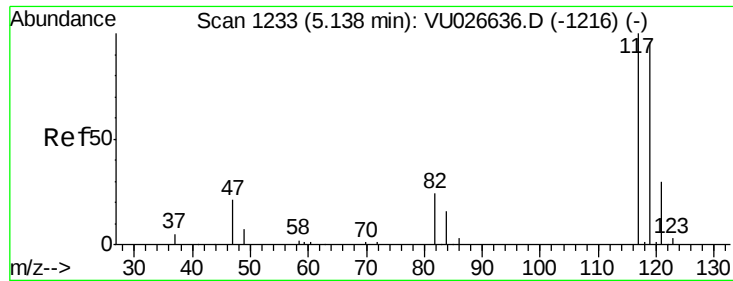
Tot Ion: 56 Resp: 17636
Ion Ratio Lower Upper
56 100
69 18.0 23.0 34.6#
84 82.7 66.5 99.7



#30
1,1,1-Trichloroethane
Concen: 9.801 ug/L
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU026635.D
Acq: 10 Sep 2018 08:32

Tgt Ion: 97 Resp: 18583
Ion Ratio Lower Upper
97 100
99 66.6 51.5 77.3
61 47.2 36.2 54.2

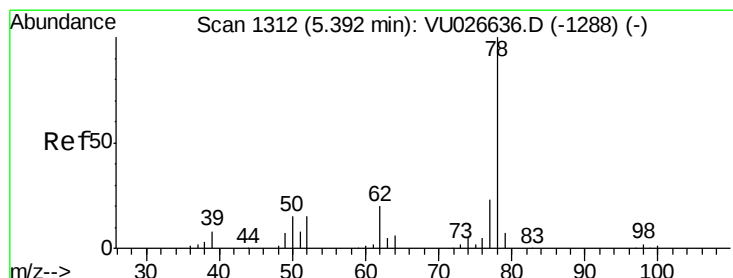
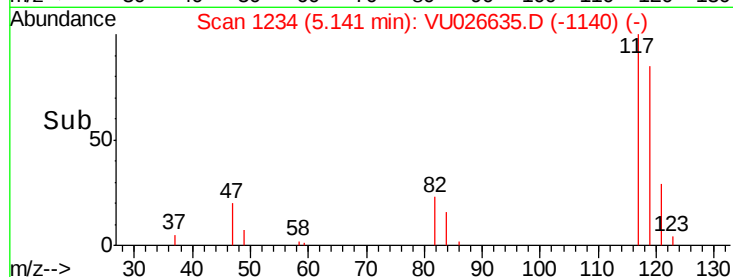
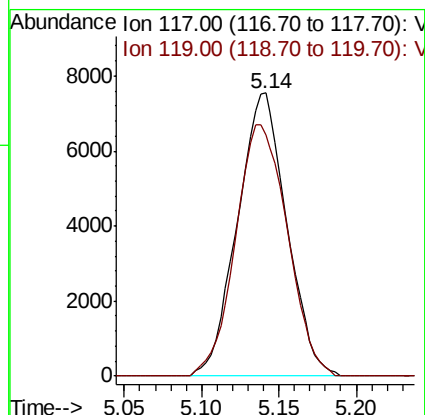
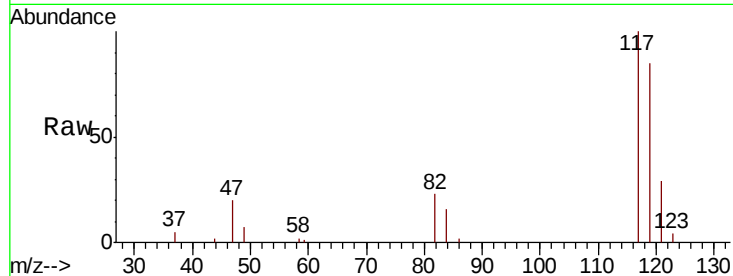




#31
Carbon tetrachloride
Concen: 9.752 ug/L
RT: 5.14 min Scan# 1234
Delta R.T. 0.00 min
Lab File: VU026635.D
Acq: 10 Sep 2018 08:32

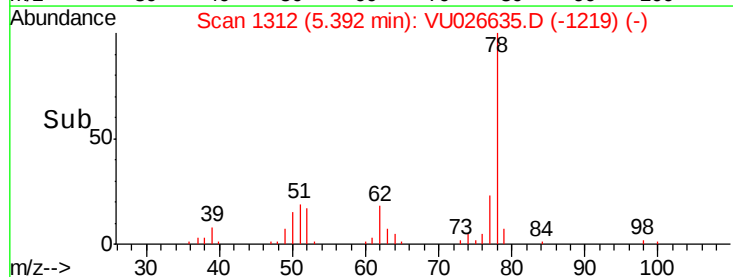
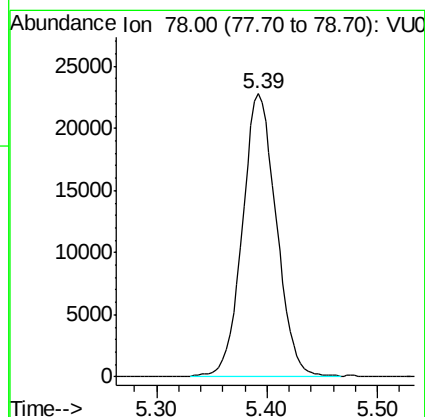
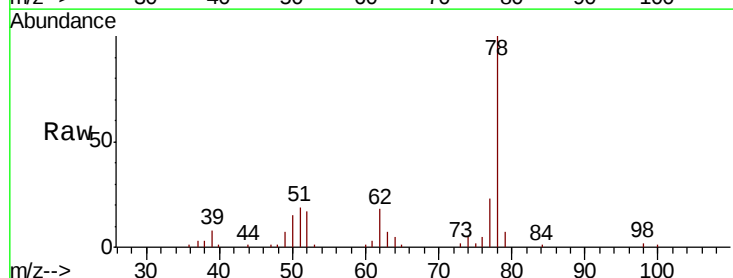
Instrument :
MSVOA_U
ClientSampleId :

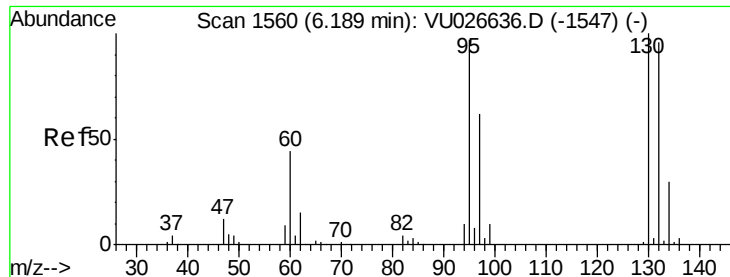
Tot Ion:117 Resp: 16713
Ion Ratio Lower Upper
117 100
119 93.3 77.6 116.4



#33
Benzene
Concen: 9.702 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU026635.D
Acq: 10 Sep 2018 08:32

Tgt Ion: 78 Resp: 48625





#34

Trichloroethene

Concen: 9.514 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU026635.D

Acq: 10 Sep 2018 08:32

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 11852

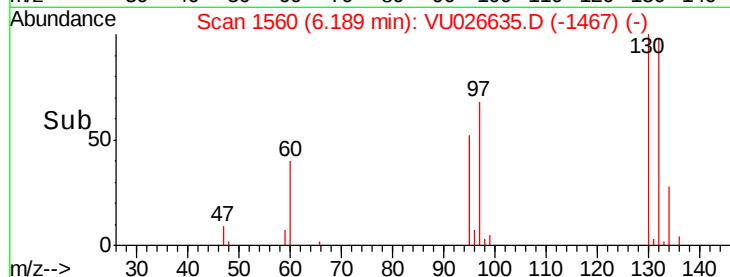
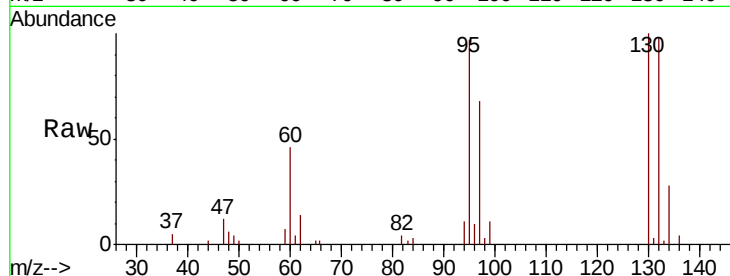
Ion Ratio Lower Upper

95 100

97 69.6 44.9 83.5

132 100.9 69.7 129.5

130 102.7 72.4 134.4

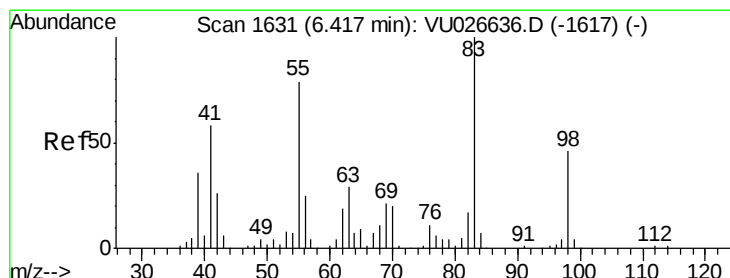
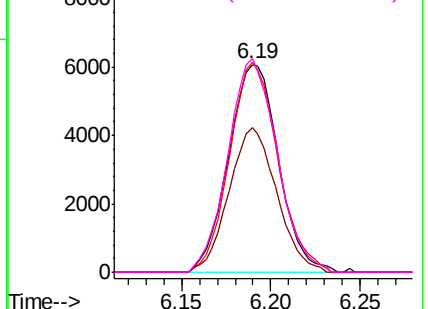


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 8.647 ug/L

RT: 6.42 min Scan# 1632

Delta R.T. 0.00 min

Lab File: VU026635.D

Acq: 10 Sep 2018 08:32

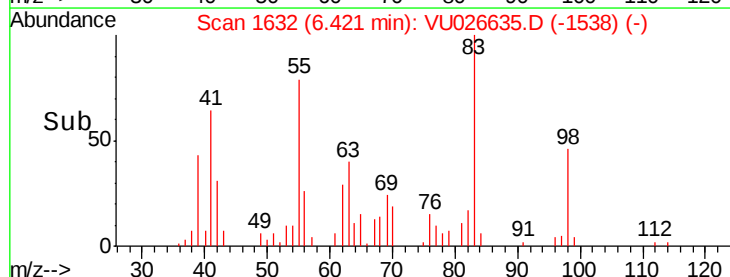
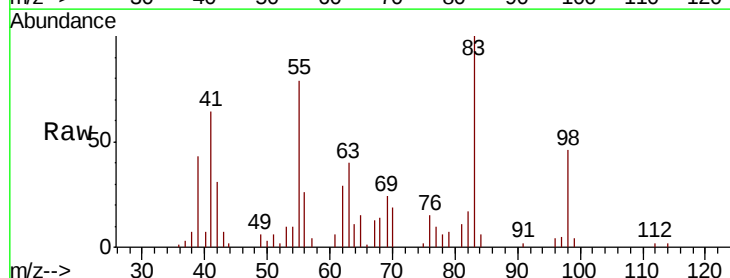
Tgt Ion: 83 Resp: 17242

Ion Ratio Lower Upper

83 100

55 81.9 62.9 94.3

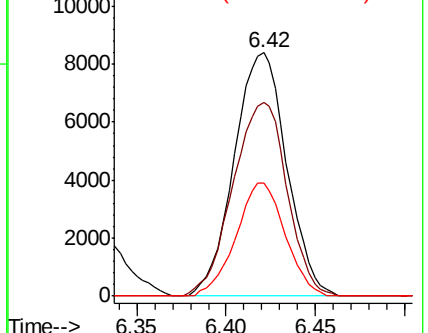
98 43.3 37.0 55.4

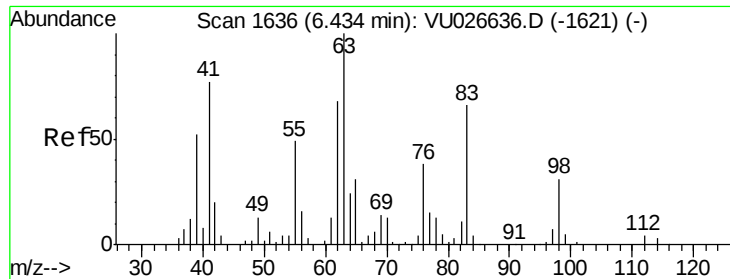


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

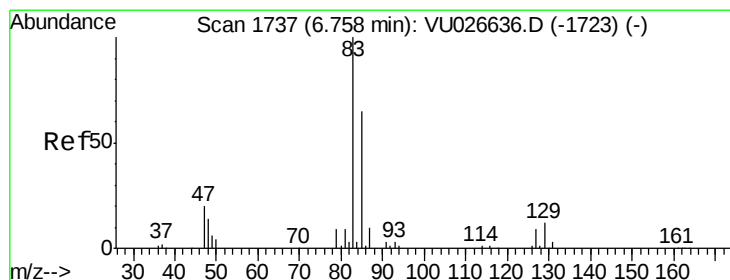
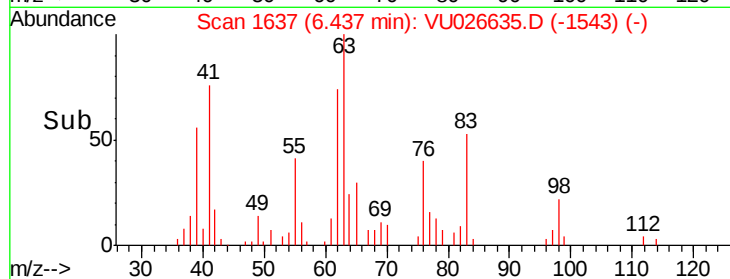
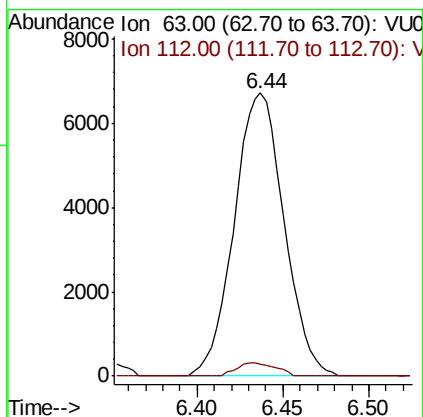
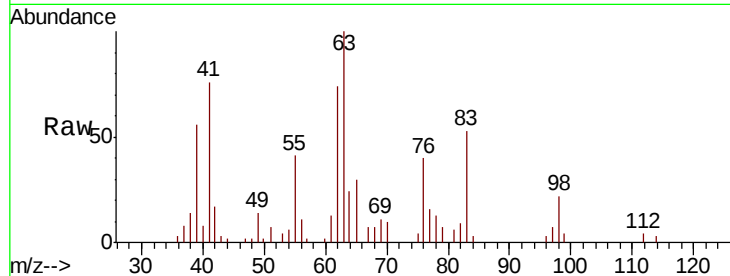




#37
 1,2-Dichloropropane
 Concen: 9.653 ug/L
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU026635.D
 Acq: 10 Sep 2018 08:32

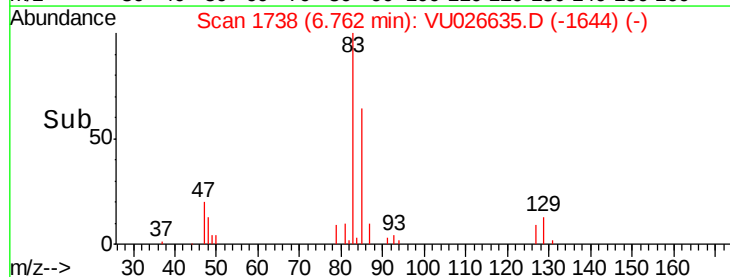
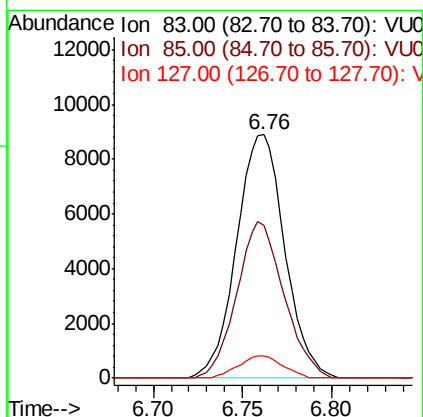
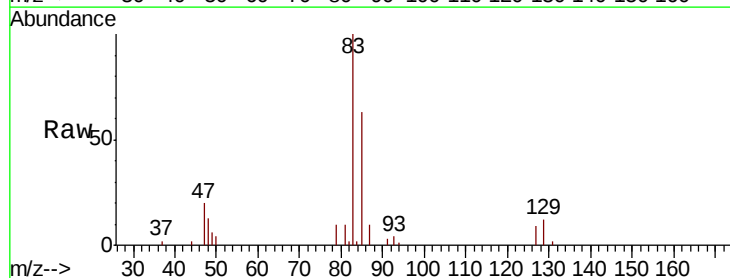
Instrument :
 MSVOA_U
 ClientSampleId :

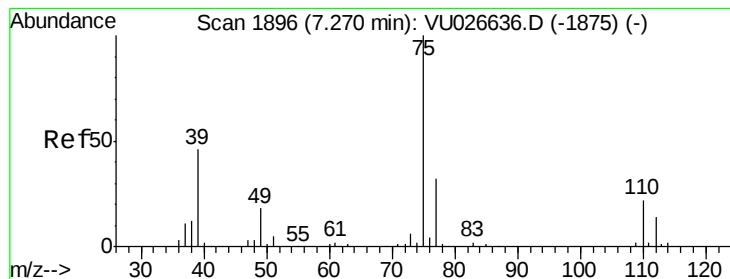
Tot Ion: 63 Resp: 13516
 Ion Ratio Lower Upper
 63 100
 112 3.6 2.9 4.3



#38
 Bromodichloromethane
 Concen: 9.756 ug/L
 RT: 6.76 min Scan# 1738
 Delta R.T. 0.00 min
 Lab File: VU026635.D
 Acq: 10 Sep 2018 08:32

Tgt Ion: 83 Resp: 16740
 Ion Ratio Lower Upper
 83 100
 85 63.0 45.1 83.9
 127 9.3 7.2 10.8



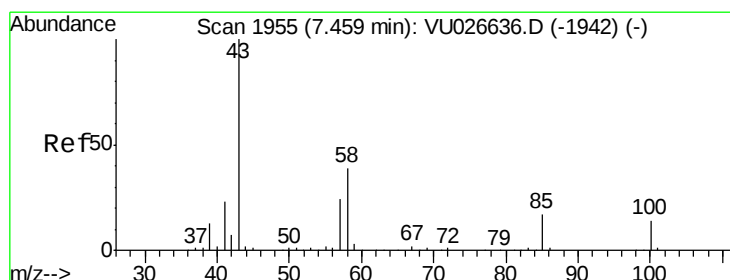
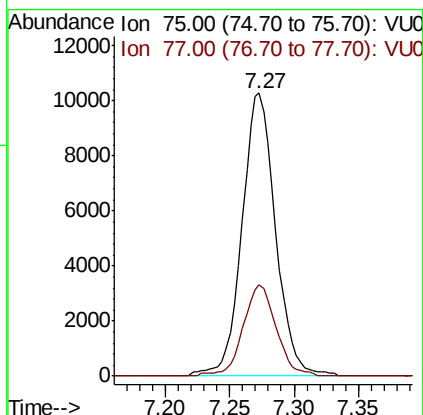
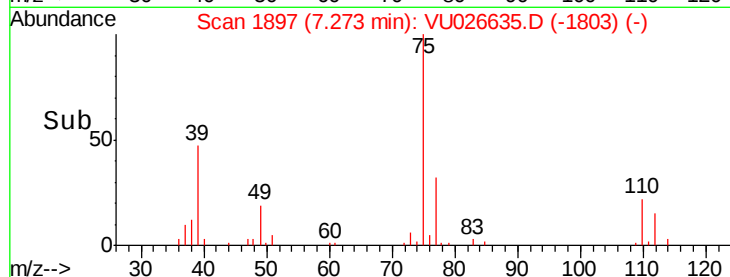
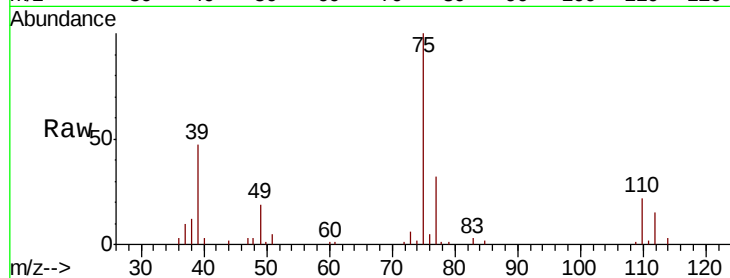


#39

cis-1,3-Dichloropropene
 Concen: 9.005 ug/L
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.00 min
 Lab File: VU026635.D
 Acq: 10 Sep 2018 08:32

Instrument :
 MSVOA_U
 ClientSampleId :

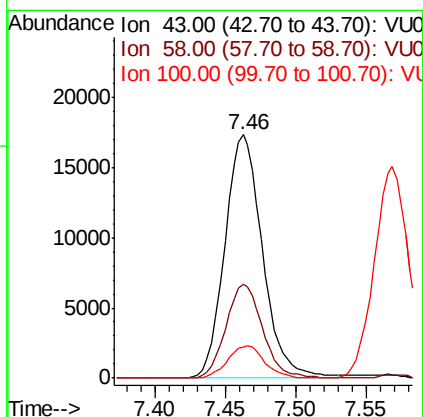
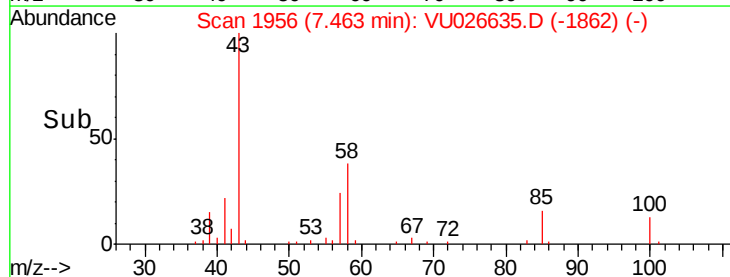
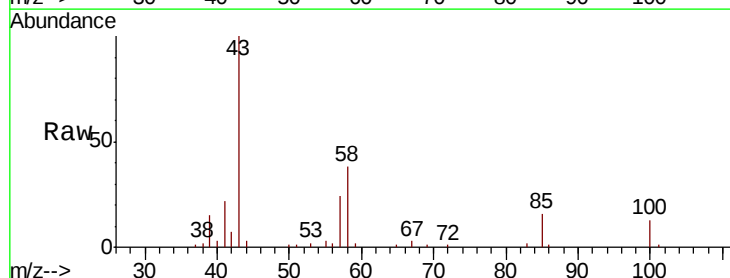
Tot Ion: 75 Resp: 18657
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.3 41.3

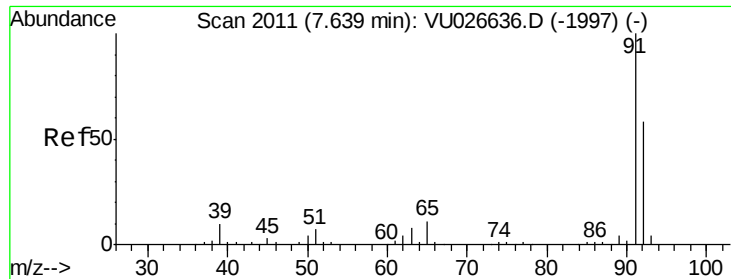


#40

4-Methyl-2-pentanone
 Concen: 18.097 ug/L
 RT: 7.46 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VU026635.D
 Acq: 10 Sep 2018 08:32

Tgt Ion: 43 Resp: 32322
 Ion Ratio Lower Upper
 43 100
 58 37.4 31.1 46.7
 100 12.9 11.3 16.9





#42

Toluene

Concen: 9.208 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026635.D

Acq: 10 Sep 2018 08:32

Instrument :

MSVOA_U

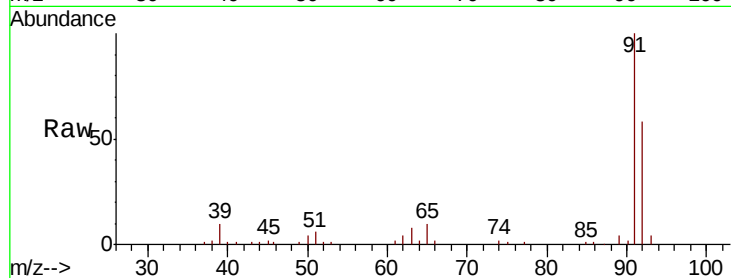
ClientSampleId :

Tot Ion: 91 Resp: 47832

Ion Ratio Lower Upper

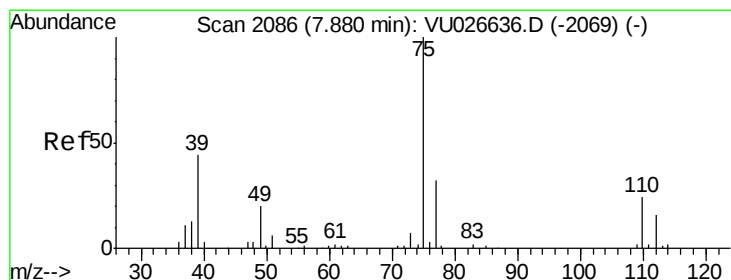
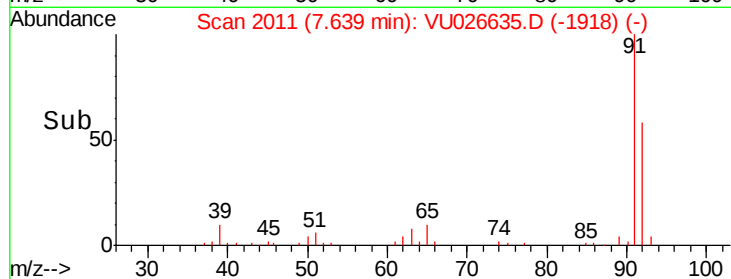
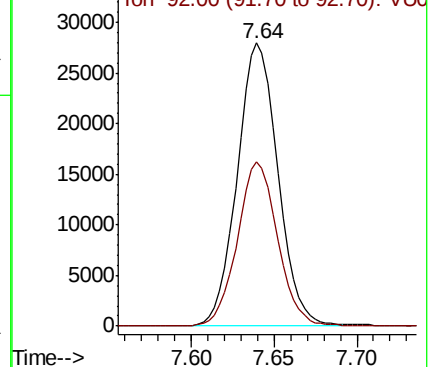
91 100

92 58.3 40.3 74.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 8.902 ug/L

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU026635.D

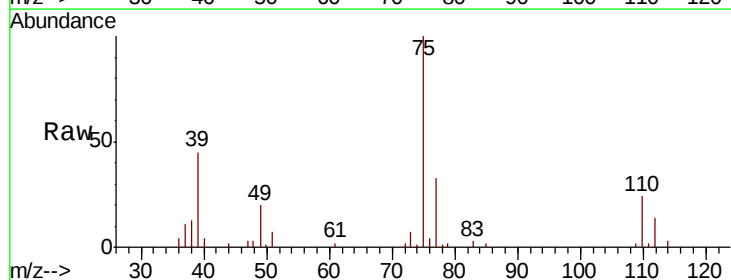
Acq: 10 Sep 2018 08:32

Tgt Ion: 75 Resp: 17158

Ion Ratio Lower Upper

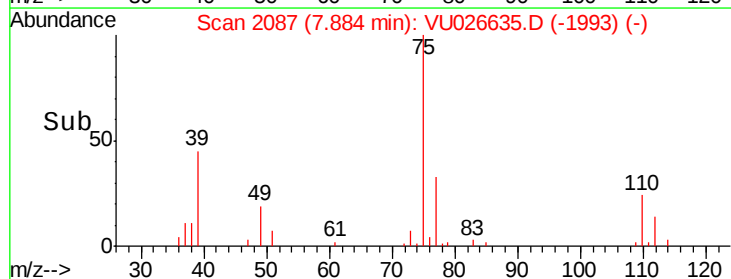
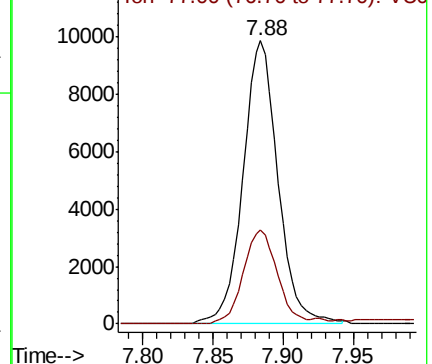
75 100

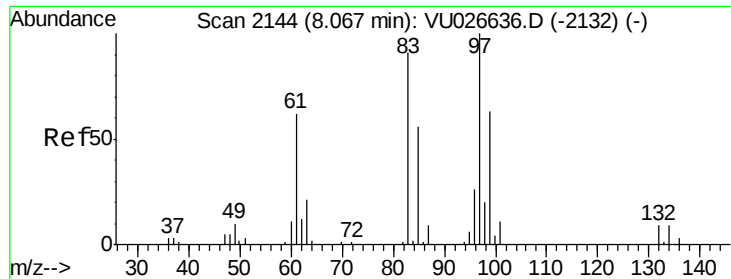
77 33.3 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

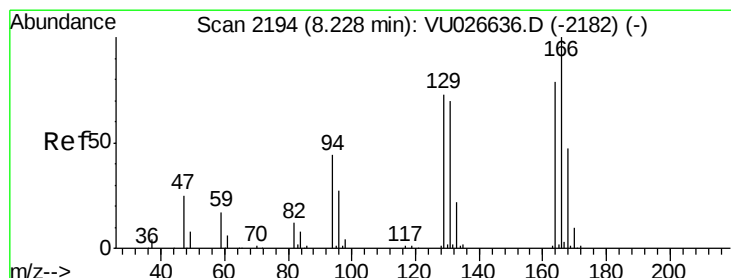
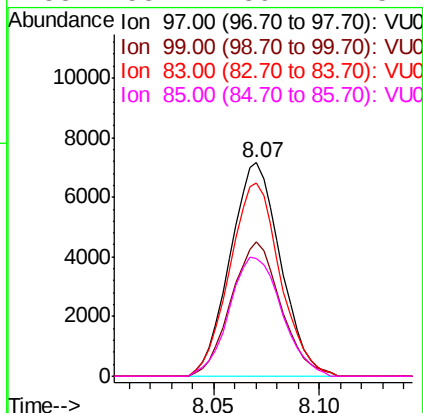
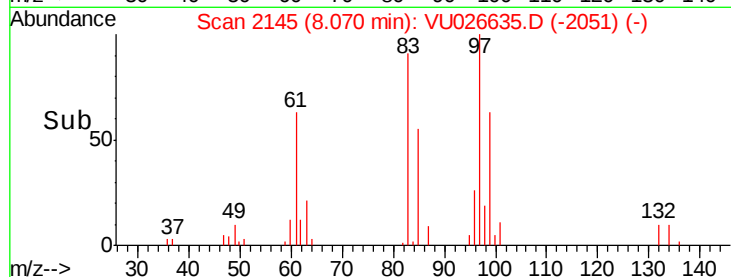
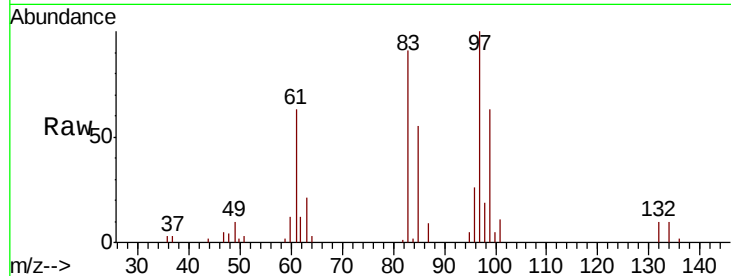




#45
 1,1,2-Trichloroethane
 Concen: 9.579 ug/L
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU026635.D
 Acq: 10 Sep 2018 08:32

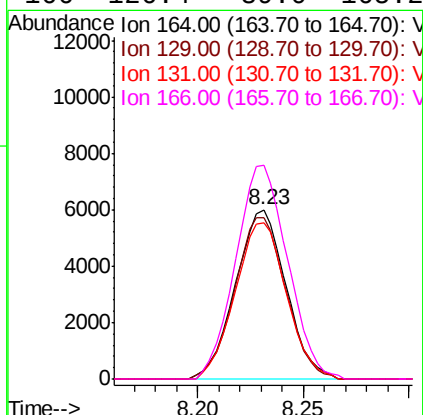
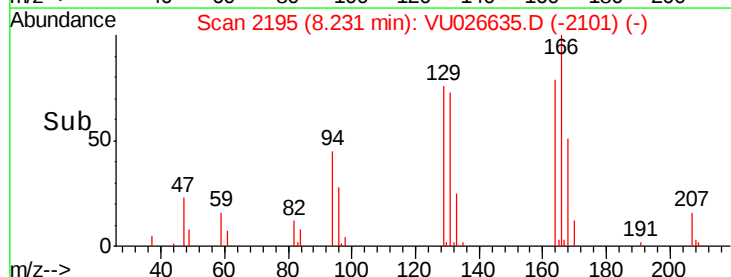
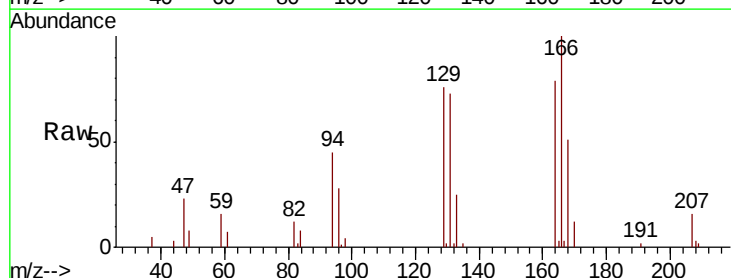
Instrument :
 MSVOA_U
 ClientSampled :

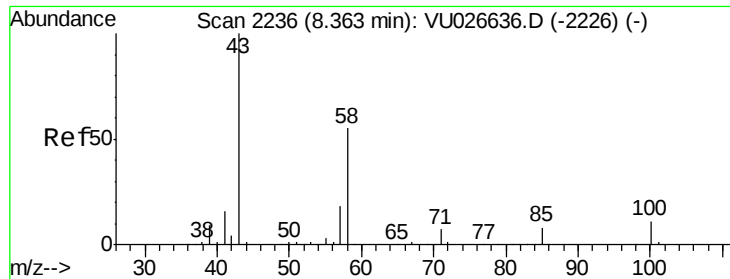
Tot Ion:	97	Resp:	11897
Ion	Ratio	Lower	Upper
97	100		
99	62.7	44.2	82.2
83	90.6	63.8	118.6
85	55.4	39.4	73.2



#46
 Tetrachloroethene
 Concen: 9.553 ug/L
 RT: 8.23 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: VU026635.D
 Acq: 10 Sep 2018 08:32

Tgt Ion:	164	Resp:	10001
Ion	Ratio	Lower	Upper
164	100		
129	95.6	65.0	120.8
131	92.6	62.5	116.1
166	126.4	89.0	165.2

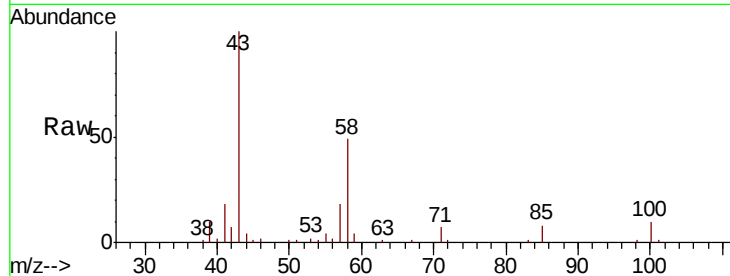




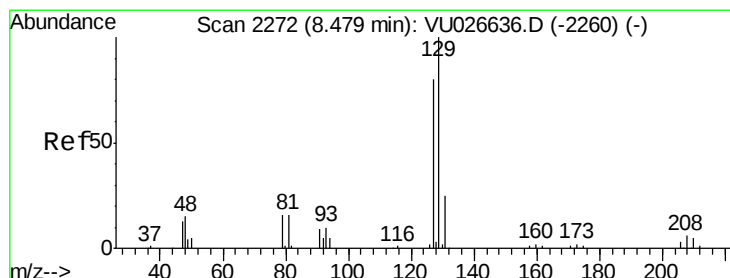
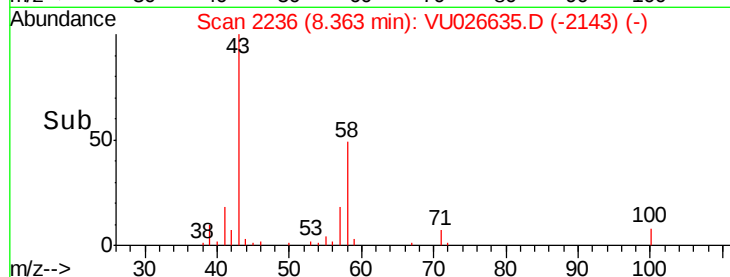
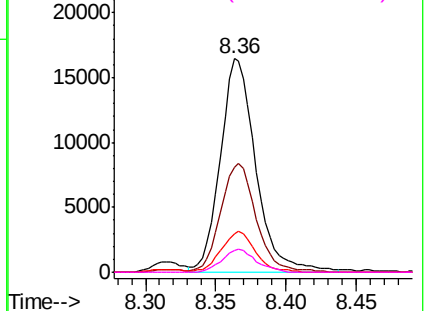
#48
2-Hexanone
Concen: 19.226 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU026635.D
Acq: 10 Sep 2018 08:32

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 28991
Ion Ratio Lower Upper
43 100
58 48.7 42.2 63.4
57 18.2 14.4 21.6
100 10.1 8.7 13.1

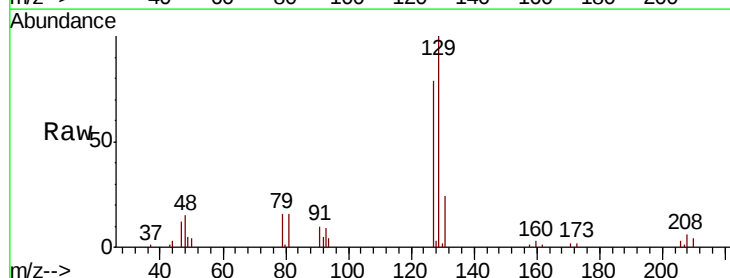


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

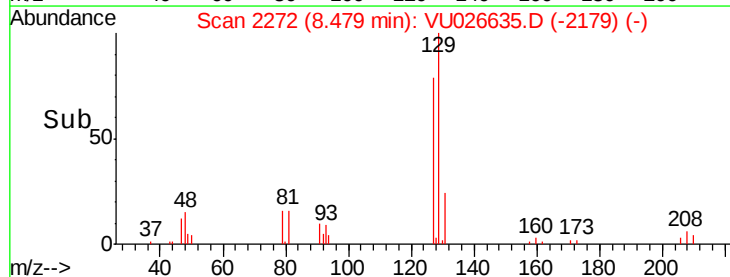
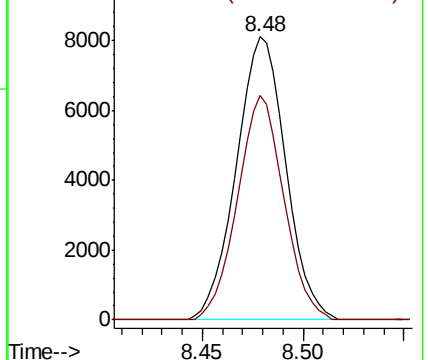


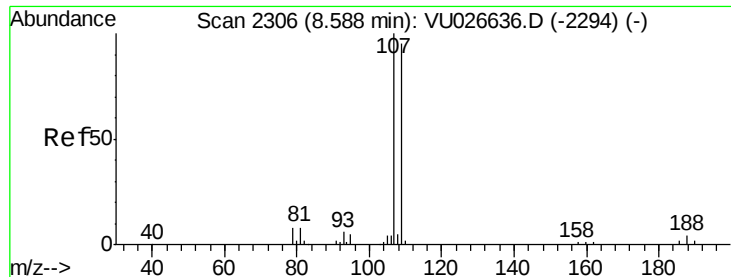
#49
Dibromochloromethane
Concen: 9.712 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU026635.D
Acq: 10 Sep 2018 08:32

Tgt Ion: 129 Resp: 13942
Ion Ratio Lower Upper
129 100
127 79.1 55.8 103.6



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

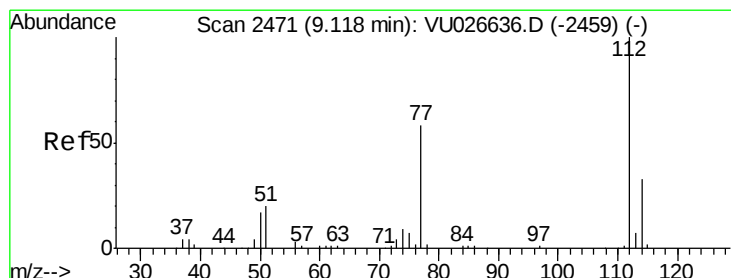
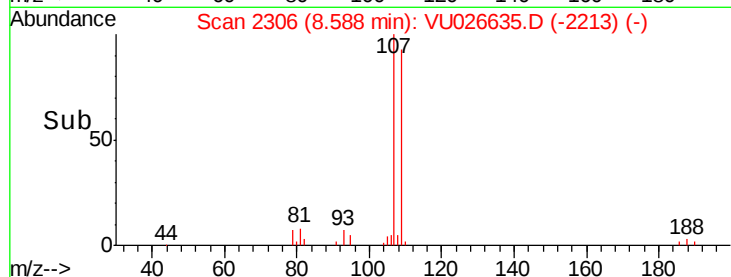
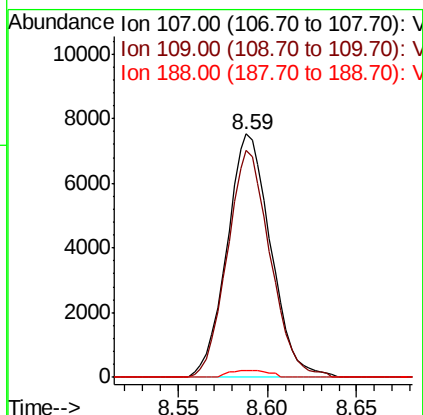
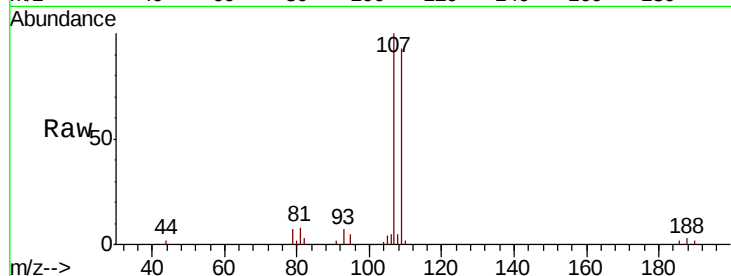




#50
 1,2-Dibromoethane
 Concen: 9.637 ug/L
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU026635.D
 Acq: 10 Sep 2018 08:32

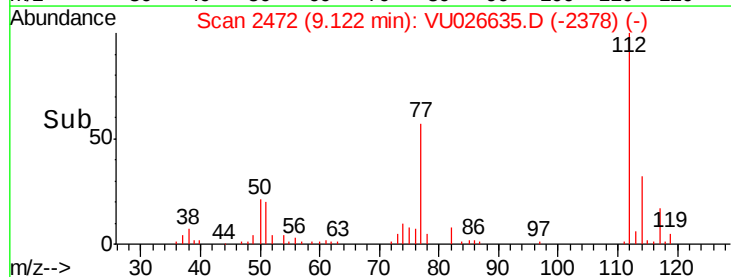
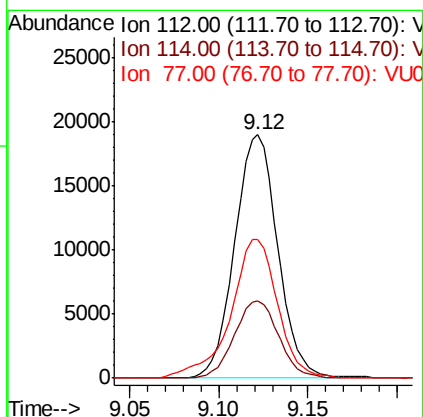
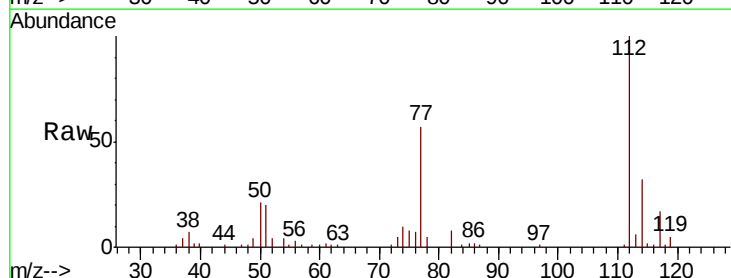
Instrument :
 MSVOA_U
 ClientSampleId :

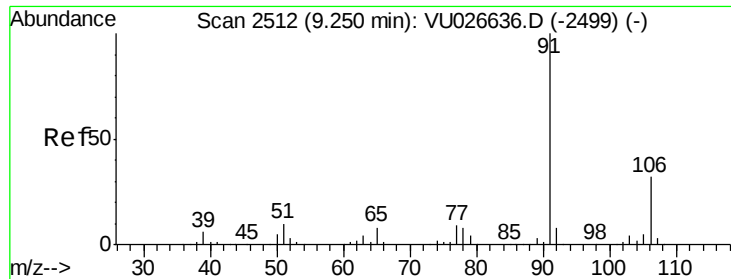
Tot Ion:107 Resp: 12804
 Ion Ratio Lower Upper
 107 100
 109 93.2 66.4 123.4
 188 3.0 3.0 4.4



#51
 Chlorobenzene
 Concen: 9.374 ug/L
 RT: 9.12 min Scan# 2472
 Delta R.T. 0.00 min
 Lab File: VU026635.D
 Acq: 10 Sep 2018 08:32

Tgt Ion:112 Resp: 31973
 Ion Ratio Lower Upper
 112 100
 114 31.6 22.9 42.5
 77 57.2 47.2 70.8

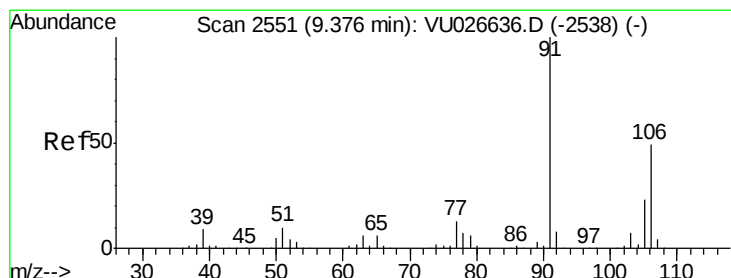
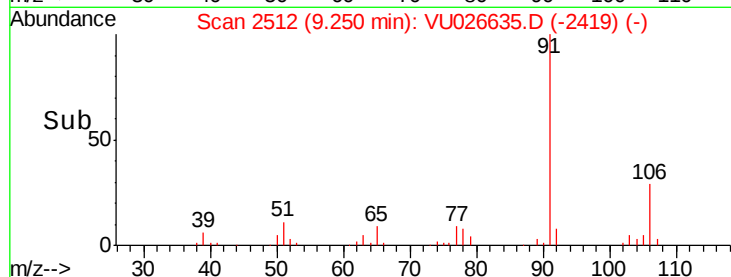
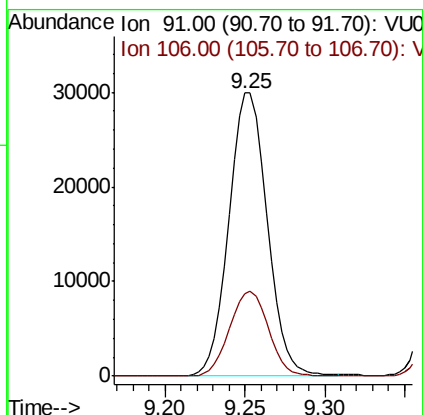
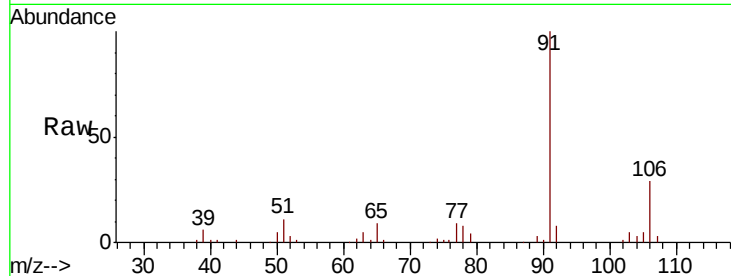




#52
Ethylbenzene
Concen: 8.703 ug/L
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU026635.D
Acq: 10 Sep 2018 08:32

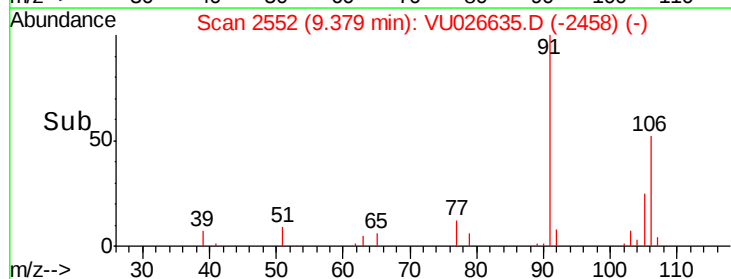
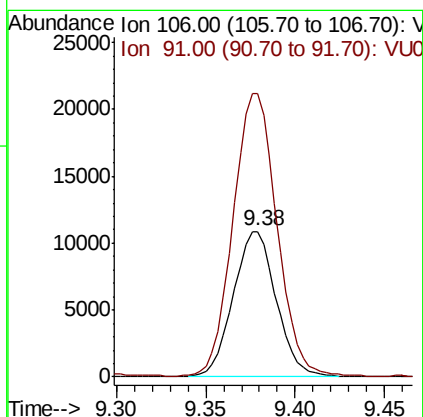
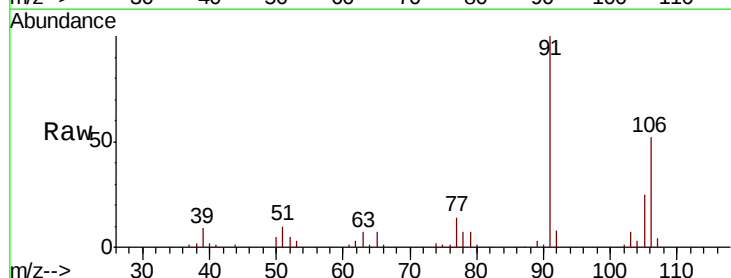
Instrument :
MSVOA_U
ClientSampleId :

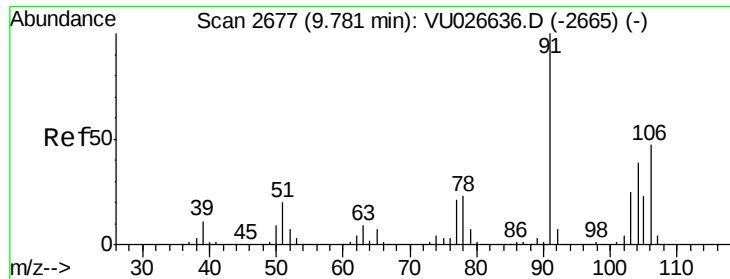
Tot Ion: 91 Resp: 48896
Ion Ratio Lower Upper
91 100
106 29.1 22.1 41.1



#53
m,p-Xylene
Concen: 8.631 ug/L
RT: 9.38 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VU026635.D
Acq: 10 Sep 2018 08:32

Tgt Ion: 106 Resp: 18284
Ion Ratio Lower Upper
106 100
91 194.1 142.9 265.5

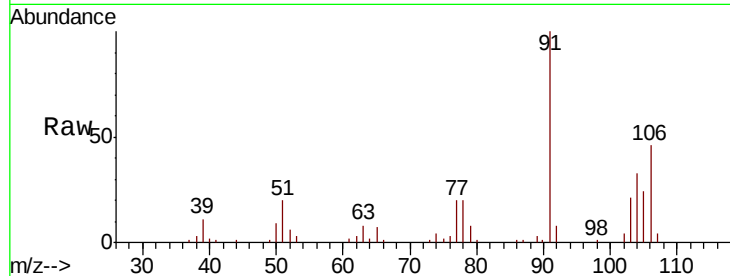




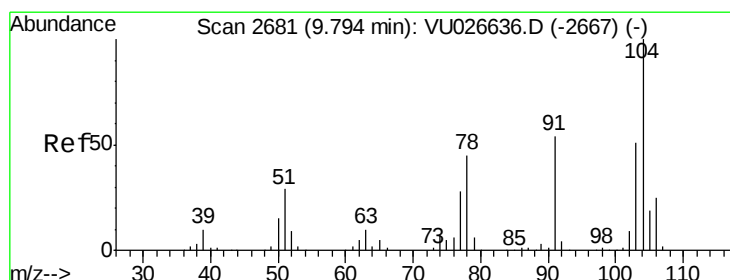
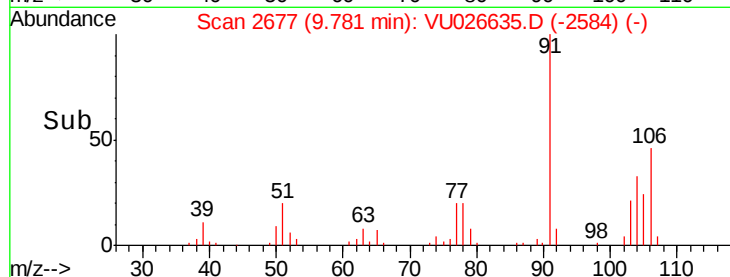
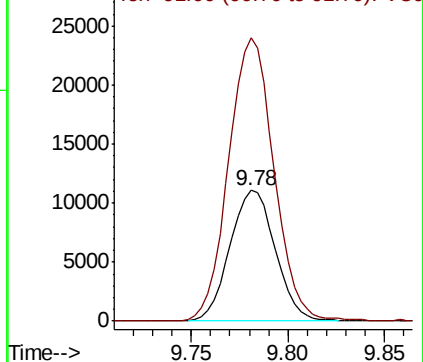
#54
o-xylene
Concen: 8.603 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU026635.D
Acq: 10 Sep 2018 08:32

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 18087
Ion Ratio Lower Upper
106 100
91 216.2 149.4 277.4

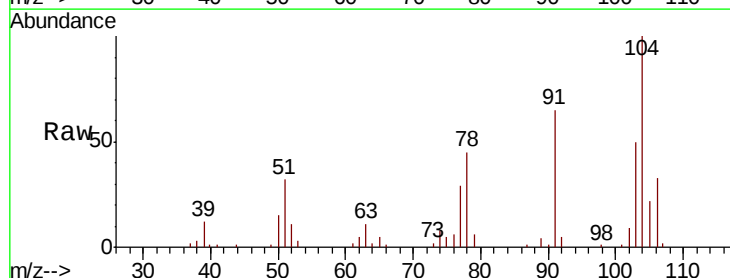


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

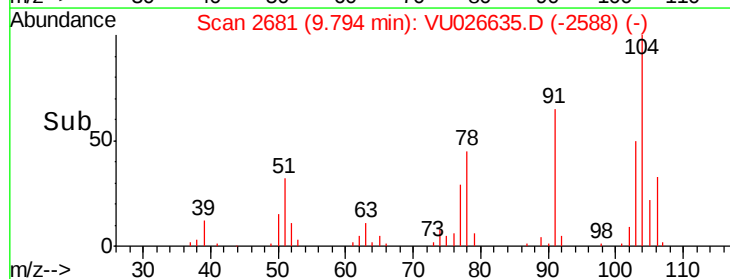
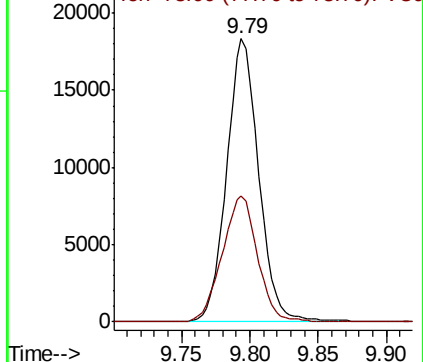


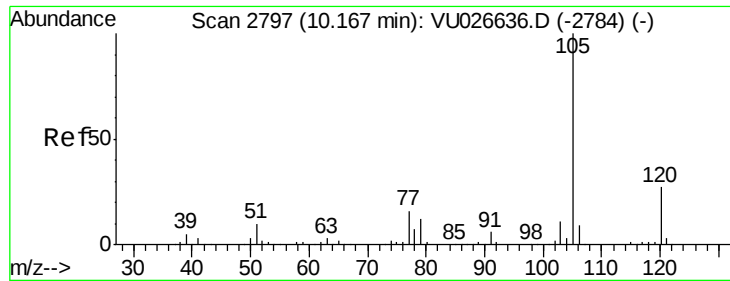
#55
Styrene
Concen: 8.428 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU026635.D
Acq: 10 Sep 2018 08:32

Tgt Ion:104 Resp: 29974
Ion Ratio Lower Upper
104 100
78 44.6 31.7 58.9



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





#56

Isopropylbenzene

Concen: 8.302 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU026635.D

Acq: 10 Sep 2018 08:32

Instrument :

MSVOA_U

ClientSampleId :

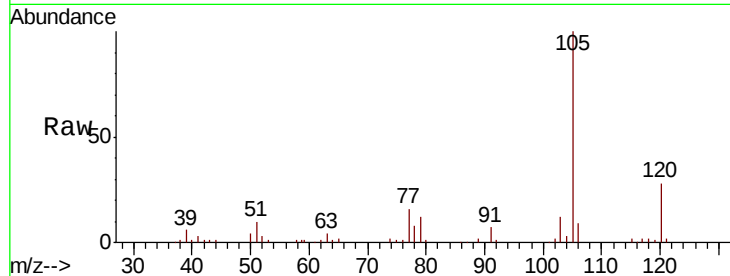
Tot Ion:105 Resp: 44462

Ion Ratio Lower Upper

105 100

120 27.3 21.5 32.3

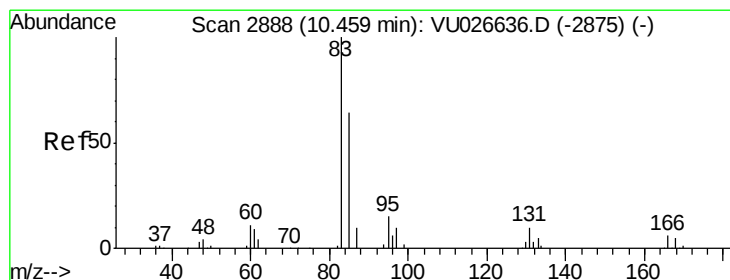
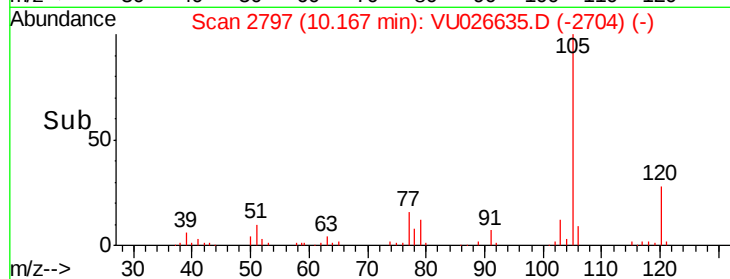
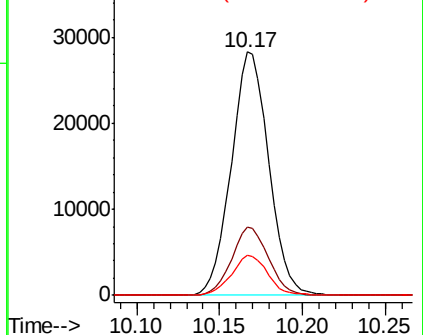
77 15.7 12.6 18.8



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: 9.498 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU026635.D

Acq: 10 Sep 2018 08:32

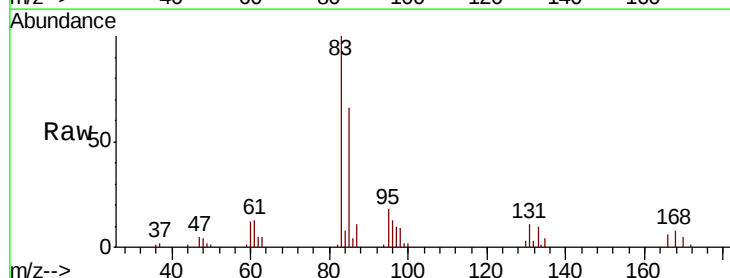
Tgt Ion: 83 Resp: 20435

Ion Ratio Lower Upper

83 100

85 65.8 45.4 84.2

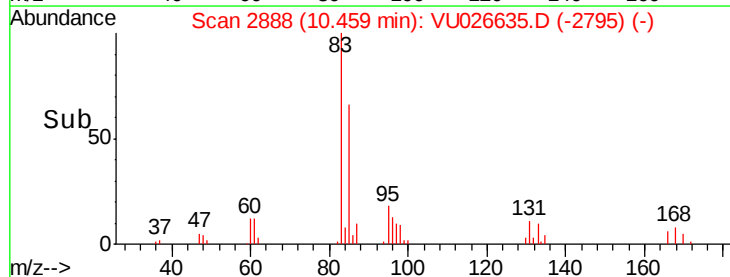
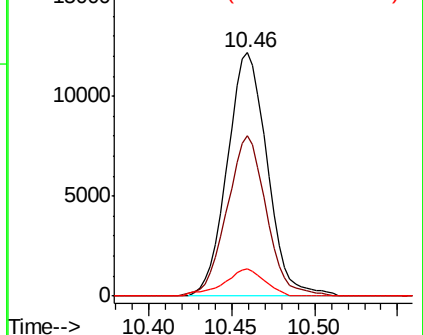
131 11.3 8.0 12.0

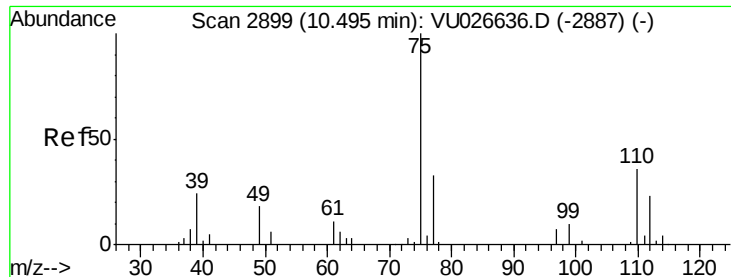


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

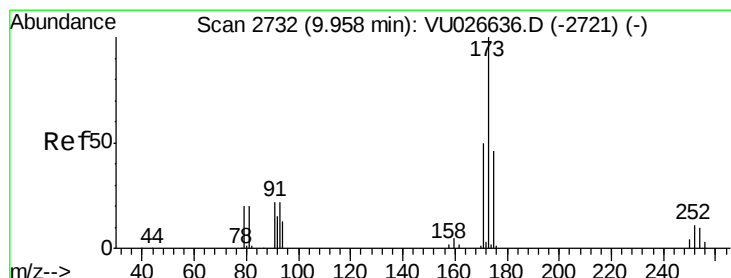
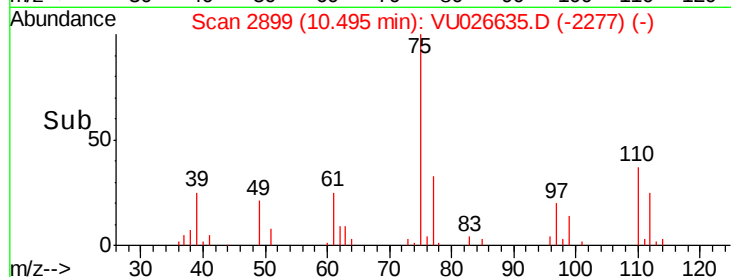
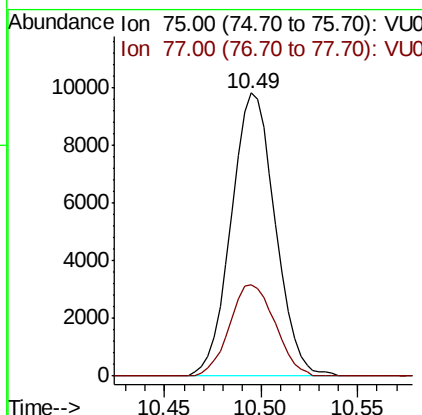
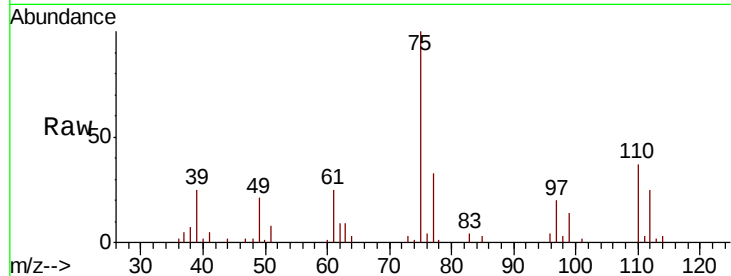




#59
 1,2,3-Trichloropropane
 Concen: 9.385 ug/L
 RT: 10.49 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: VU026635.D
 Acq: 10 Sep 2018 08:32

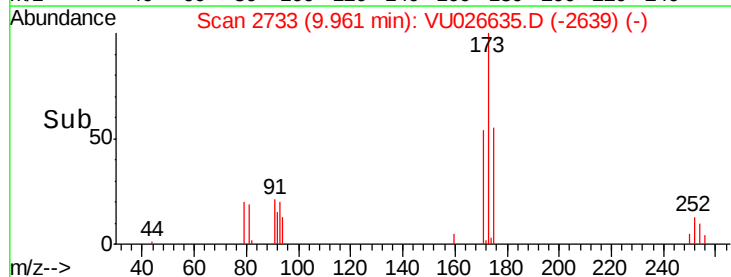
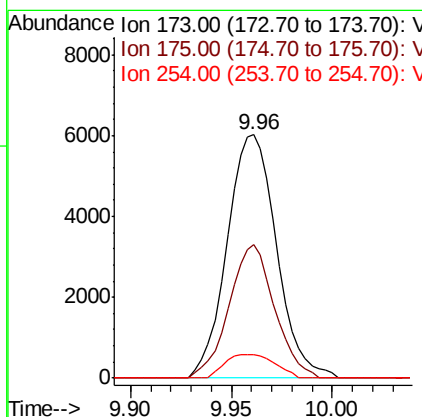
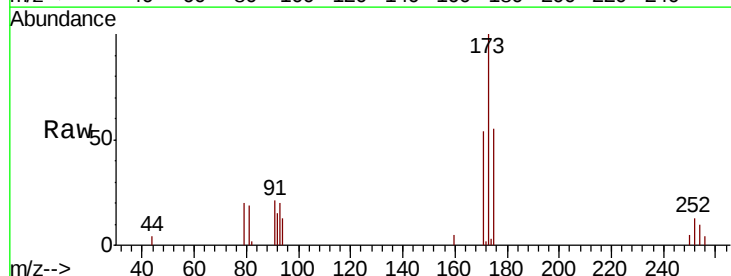
Instrument :
 MSVOA_U
 ClientSampleId :

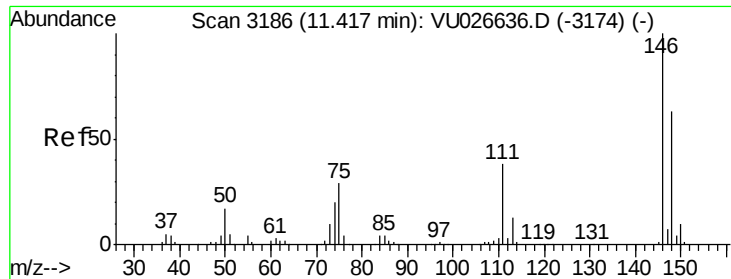
Tot Ion: 75 Resp: 15548
 Ion Ratio Lower Upper
 75 100
 77 33.3 25.8 38.6



#61
 Bromoform
 Concen: 10.234 ug/L
 RT: 9.96 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VU026635.D
 Acq: 10 Sep 2018 08:32

Tgt Ion:173 Resp: 10300
 Ion Ratio Lower Upper
 173 100
 175 50.5 38.2 57.4
 254 9.9 8.2 12.4





#62

1,3-Dichlorobenzene

Concen: 9.168 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU026635.D

Acq: 10 Sep 2018 08:32

Instrument :

MSVOA_U

ClientSampleId :

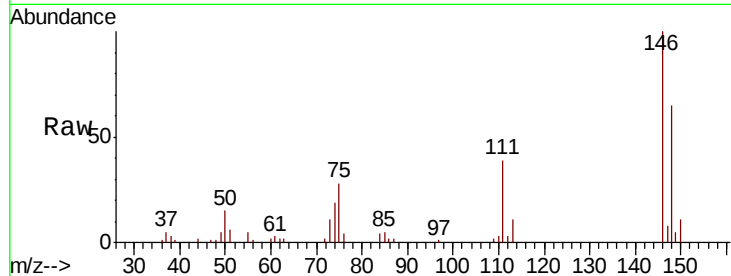
Tot Ion:146 Resp: 21507

Ion Ratio Lower Upper

146 100

111 39.3 26.7 49.5

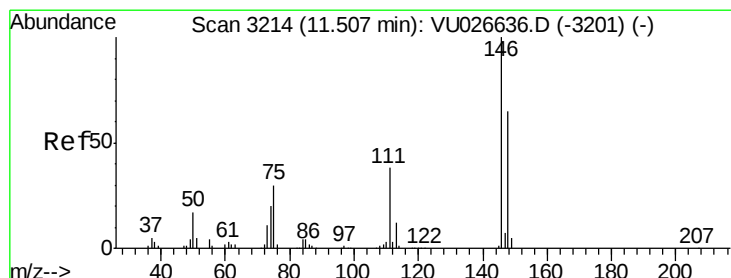
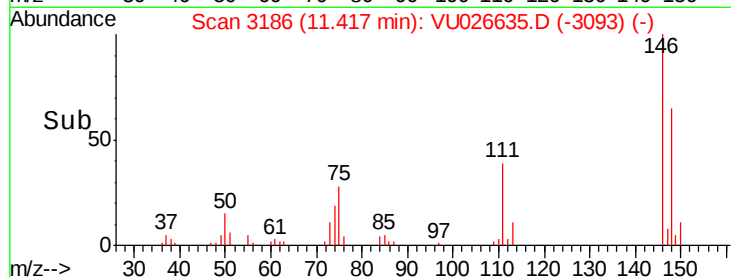
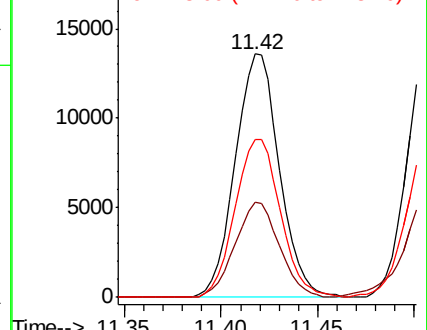
148 64.6 44.2 82.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 9.573 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU026635.D

Acq: 10 Sep 2018 08:32

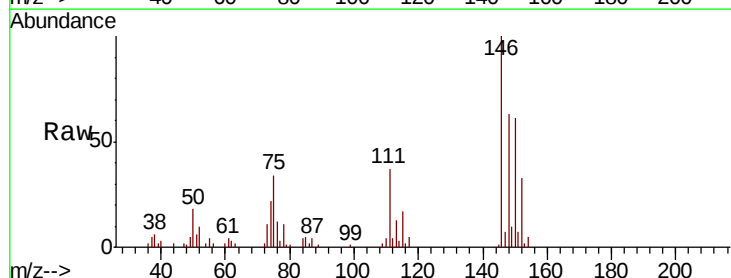
Tgt Ion:146 Resp: 23791

Ion Ratio Lower Upper

146 100

111 37.4 26.5 49.3

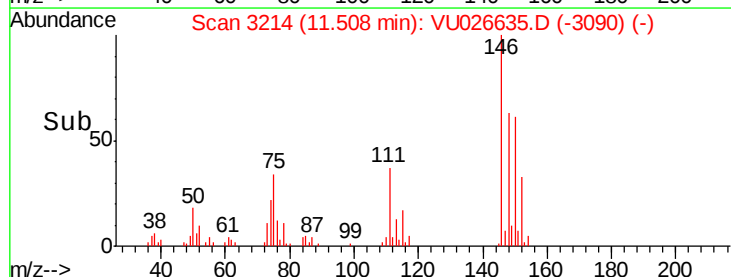
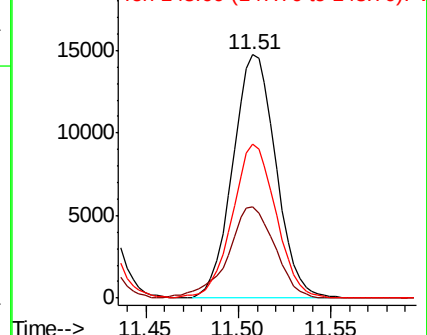
148 63.4 45.2 84.0

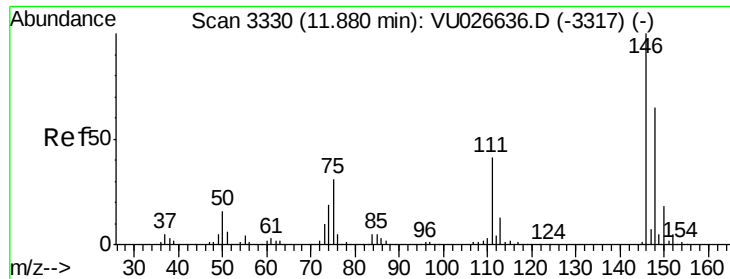


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 9.837 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU026635.D

Acq: 10 Sep 2018 08:32

Instrument :

MSVOA_U

ClientSampleId :

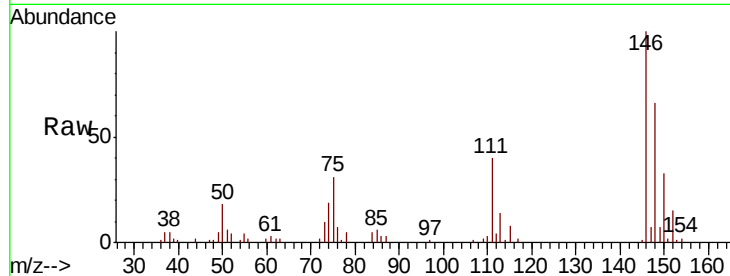
Tot Ion:146 Resp: 24390

Ion Ratio Lower Upper

146 100

111 39.8 32.8 49.2

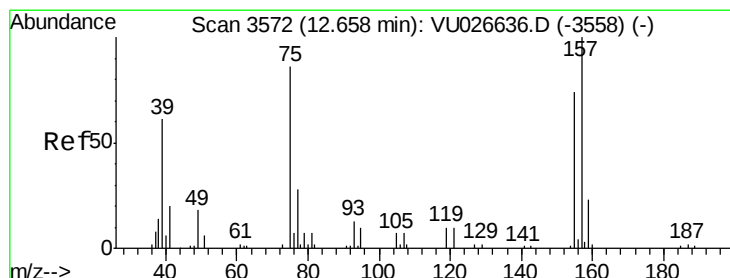
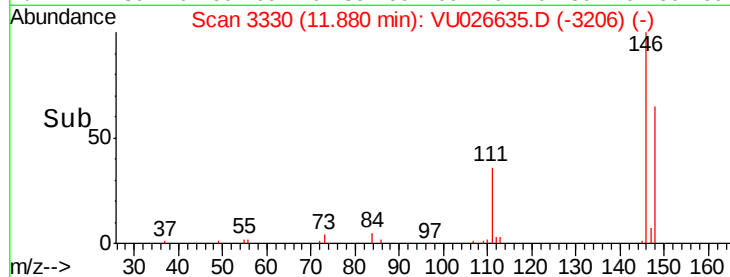
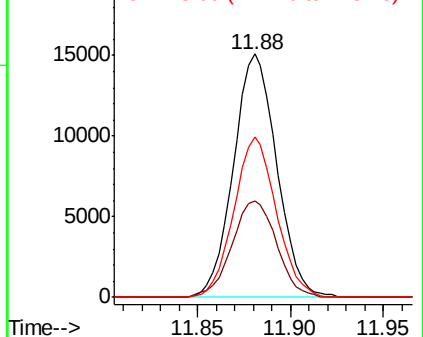
148 65.9 52.2 78.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 10.079 ug/L

RT: 12.66 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VU026635.D

Acq: 10 Sep 2018 08:32

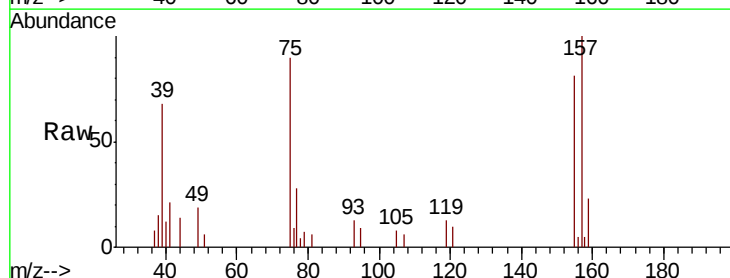
Tgt Ion: 75 Resp: 4037

Ion Ratio Lower Upper

75 100

155 90.3 69.3 103.9

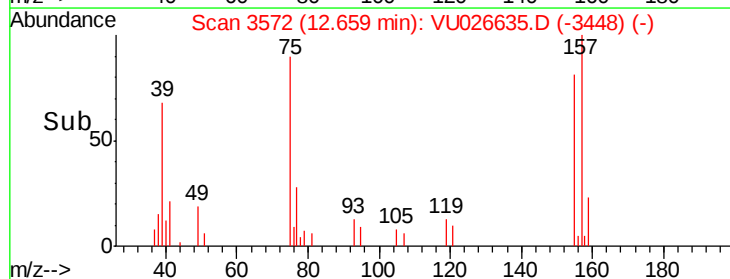
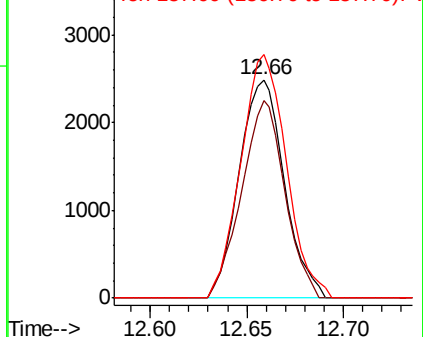
157 111.4 93.4 140.0

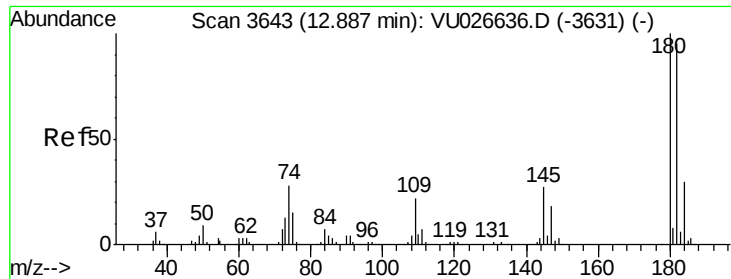


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

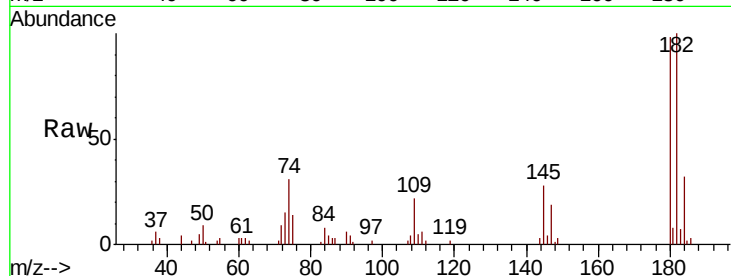




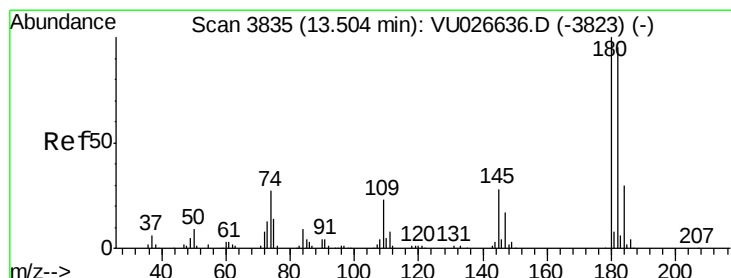
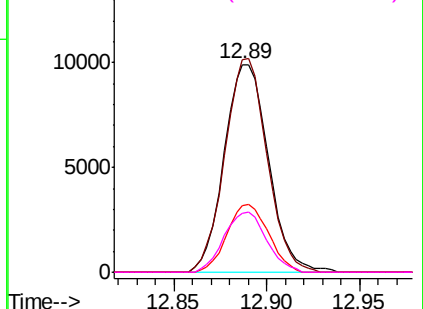
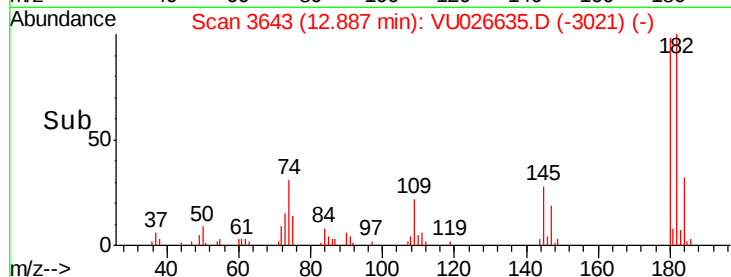
#67
 1,3,5-Trichlorobenzene
 Concen: 8.816 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU026635.D
 Acq: 10 Sep 2018 08:32

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	180	Resp:	16406
Ion	Ratio	Lower	Upper
180	100		
182	98.1	76.8	115.2
184	30.6	24.2	36.2
145	27.8	21.4	32.2

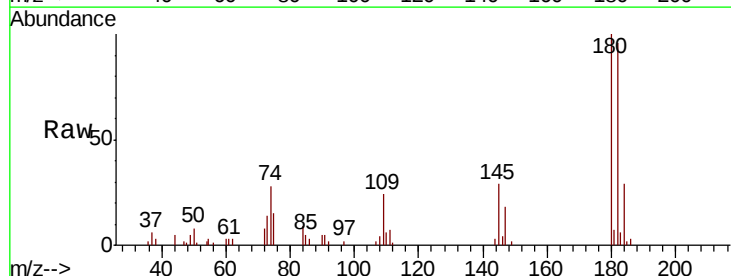


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

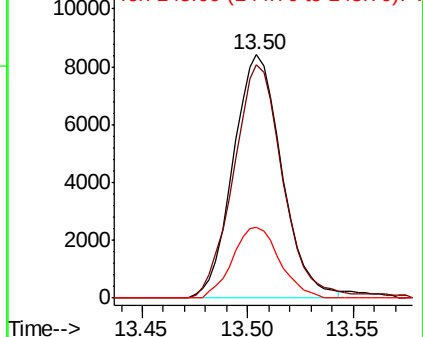
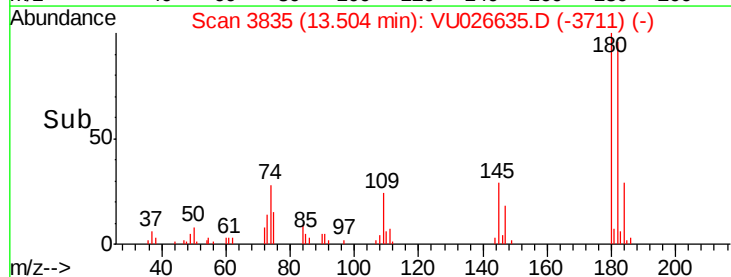


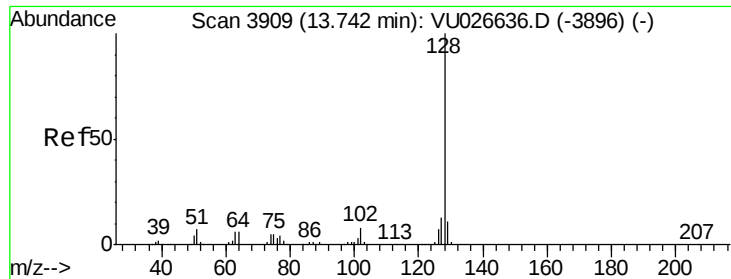
#68
 1,2,4-trichlorobenzene
 Concen: 8.319 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026635.D
 Acq: 10 Sep 2018 08:32

Tgt Ion:	180	Resp:	13455
Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.0	114.0
145	28.2	23.4	35.0



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: 8.148 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU026635.D

Acq: 10 Sep 2018 08:32

Instrument :

MSVOA_U

ClientSampleId :

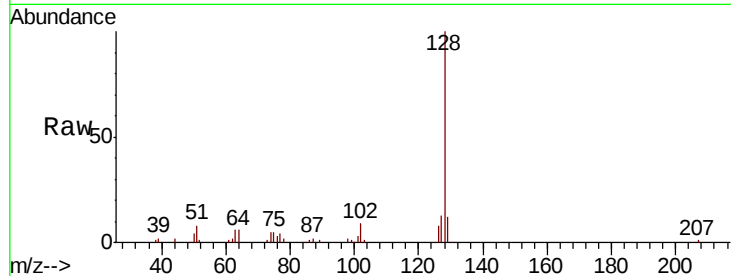
Tot Ion:128 Resp: 40380

Ion Ratio Lower Upper

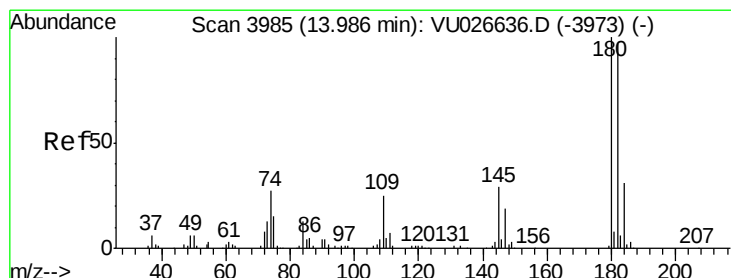
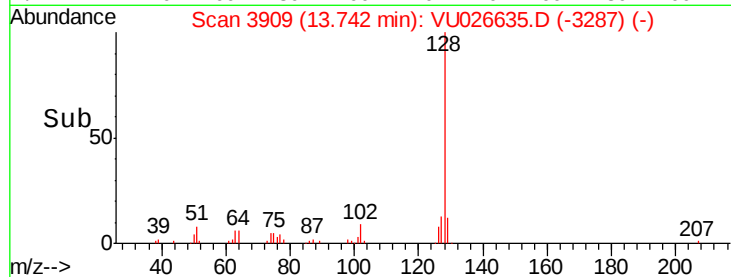
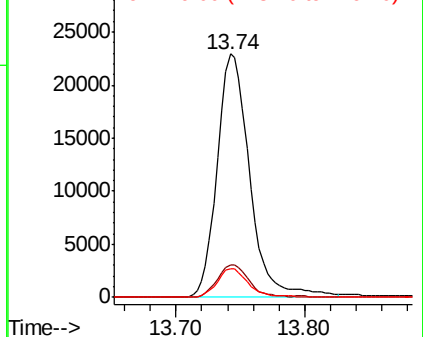
128 100

127 12.8 10.3 15.5

129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 8.794 ug/L

RT: 13.99 min Scan# 3986

Delta R.T. 0.00 min

Lab File: VU026635.D

Acq: 10 Sep 2018 08:32

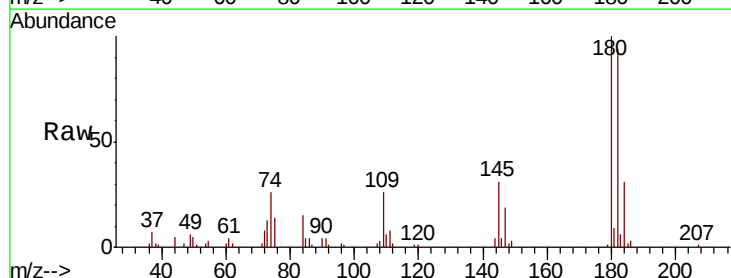
Tgt Ion:180 Resp: 15407

Ion Ratio Lower Upper

180 100

182 92.4 76.7 115.1

145 28.7 23.0 34.6



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

