

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091018\
 Data File : VU026634.D
 Acq On : 10 Sep 2018 08:09
 Operator : MD/SY
 Sample : VSTD00547
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 11 04:21:37 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	128886	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	119645	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	54207	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	3632	3.78	ug/L	0.00
7) Chloroethane-d5	1.68	69	2925	3.78	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	6870	4.00	ug/L	0.00
21) 2-Butanone-d5	4.19	46	3901	6.53	ug/L	0.00
24) Chloroform-d	4.65	84	5990	3.75	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	4103	3.93	ug/L	0.00
32) Benzene-d6	5.34	84	11611	3.75	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	3938	3.79	ug/L	0.00
41) Toluene-d8	7.57	98	10453	3.60	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	1666	3.45	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	2179	5.14	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	5102	3.59	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	4105	3.80	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	3331	4.106	ug/L 91
3) Chloromethane	1.33	50	4598	4.311	ug/L 96
5) Vinyl chloride	1.40	62	4412	4.004	ug/L 95
6) Bromomethane	1.63	94	2498	3.890	ug/L 93
8) Chloroethane	1.70	64	2542	3.719	ug/L 95
9) Trichlorofluoromethane	1.89	101	5437	3.913	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	3119	3.941	ug/L 95
12) 1,1-Dichloroethene	2.29	96	3161	4.159	ug/L 95
13) Acetone	2.32	43	7537	11.072	ug/L 94
14) Carbon disulfide	2.48	76	10037	4.066	ug/L 100
15) Methyl Acetate	2.62	43	3647	3.755	ug/L 96
16) Methylene chloride	2.70	84	3796	4.232	ug/L 97
17) trans-1,2-Dichloroethene	2.98	96	3247	4.032	ug/L 97
18) Methyl tert-butyl Ether	3.00	73	9024	3.637	ug/L 99
19) 1,1-Dichloroethane	3.45	63	6028	3.860	ug/L 99
20) cis-1,2-Dichloroethene	4.23	96	3440	3.793	ug/L 94
22) 2-Butanone	4.27	43	5809	7.453	ug/L 79
23) Bromochloromethane	4.56	128	1686	3.634	ug/L 87
25) Chloroform	4.68	83	5860	3.733	ug/L 99
27) 1,2-Dichloroethane	5.41	62	4645	3.727	ug/L 98
29) Cyclohexane	5.00	56	4565	3.483	ug/L 99
30) 1,1,1-Trichloroethane	4.92	97	4857	3.832	ug/L # 51
31) Carbon tetrachloride	5.14	117	4547	3.969	ug/L 99
33) Benzene	5.39	78	13019	3.886	ug/L 100
34) Trichloroethene	6.19	95	3454	4.148	ug/L 95
35) Methylcyclohexane	6.42	83	4770	3.578	ug/L 96
37) 1,2-Dichloropropane	6.43	63	3507	3.747	ug/L # 89
38) Bromodichloromethane	6.76	83	4663	4.065	ug/L # 97
39) cis-1,3-Dichloropropene	7.27	75	4474	3.230	ug/L 94
40) 4-Methyl-2-pentanone	7.46	43	8006	6.705	ug/L 96

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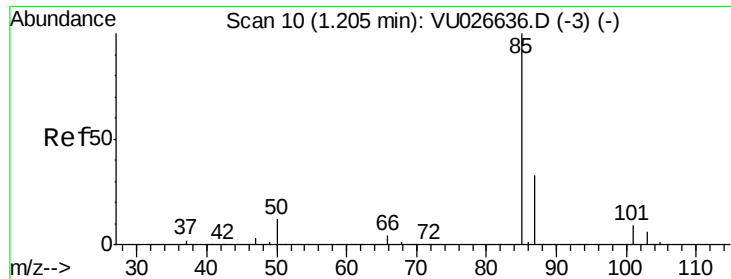
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 11 04:21:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.64	91	12113	3.488	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	4304	3.340	ug/L	90
45) 1,1,2-Trichloroethane	8.07	97	3205	3.860	ug/L	92
46) Tetrachloroethene	8.23	164	3032	4.332	ug/L	99
48) 2-Hexanone	8.37	43	6907	6.852	ug/L #	94
49) Dibromochloromethane	8.48	129	3638	3.791	ug/L	87
50) 1,2-Dibromoethane	8.59	107	3124	3.517	ug/L #	92
51) Chlorobenzene	9.12	112	8624	3.782	ug/L	99
52) Ethylbenzene	9.25	91	12204	3.249	ug/L	96
53) m,p-Xylene	9.38	106	4421	3.122	ug/L	91
54) o-xylene	9.78	106	4295	3.056	ug/L	90
55) Styrene	9.79	104	6899	2.902	ug/L	98
56) Isopropylbenzene	10.17	105	10862	3.034	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	5461	3.797	ug/L	96
59) 1,2,3-Trichloropropane	10.50	75	3901	3.522	ug/L	98
61) Bromoform	9.96	173	2654	3.974	ug/L #	94
62) 1,3-Dichlorobenzene	11.42	146	6026	3.872	ug/L	95
63) 1,4-Dichlorobenzene	11.51	146	6369	3.863	ug/L	92
65) 1,2-Dichlorobenzene	11.88	146	6379	3.878	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	4493	3.639	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	3516	3.277	ug/L	98
69) Naphthalene	13.75	128	9437	2.870	ug/L	97
70) 1,2,3-Trichlorobenzene	13.99	180	3956	3.403	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 4.106 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU026634.D

Acq: 10 Sep 2018 08:09

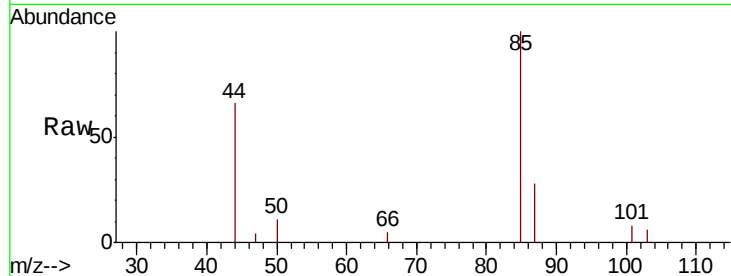
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 3331

Ion Ratio Lower Upper

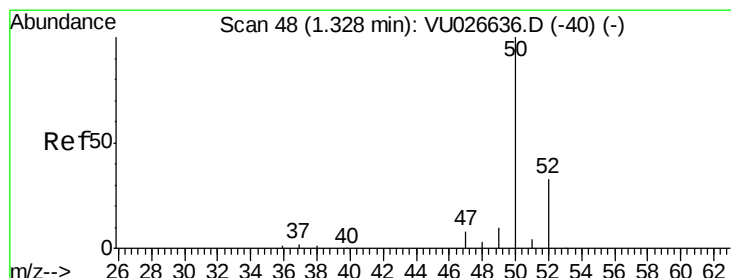
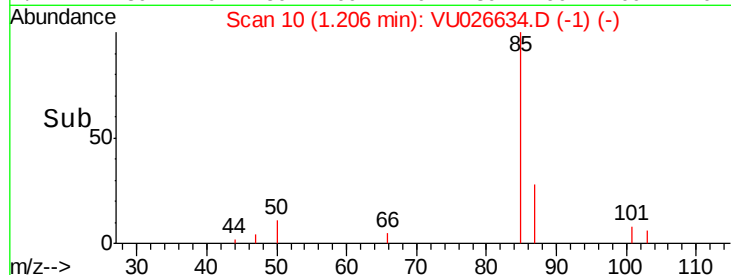
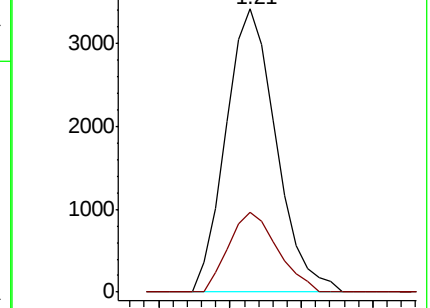
85 100

87 27.3 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.311 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU026634.D

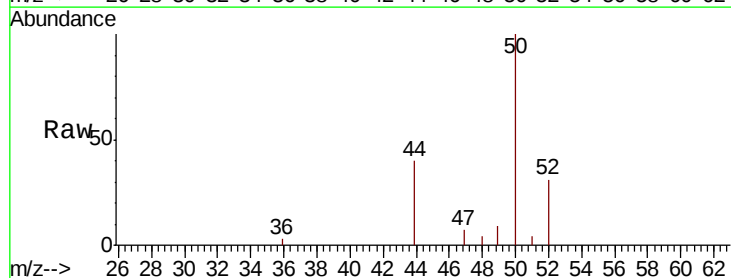
Acq: 10 Sep 2018 08:09

Tgt Ion: 50 Resp: 4598

Ion Ratio Lower Upper

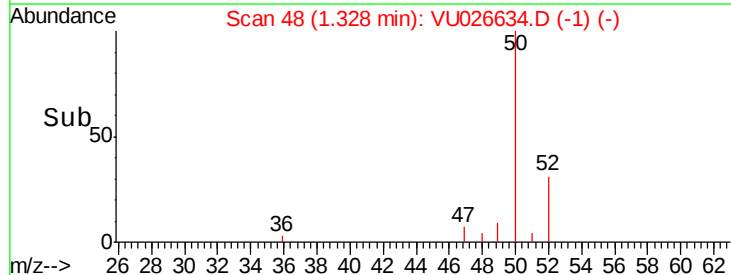
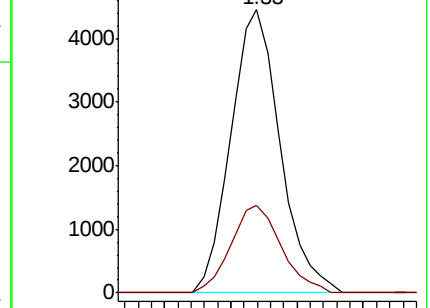
50 100

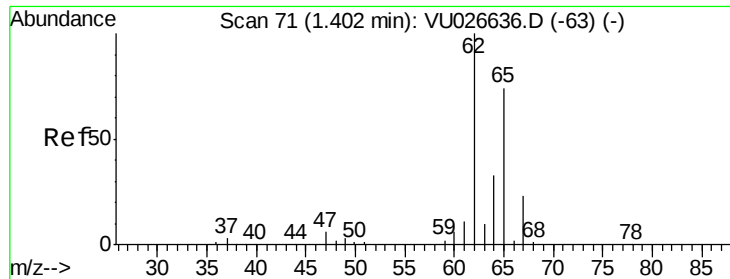
52 31.0 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 4.004 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026634.D

Acq: 10 Sep 2018 08:09

Instrument :

MSVOA_U

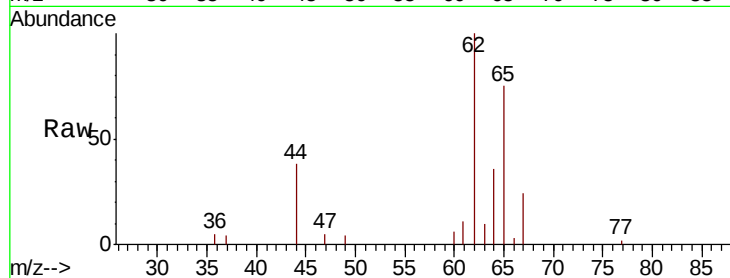
ClientSampled :

Tot Ion: 62 Resp: 4412

Ion Ratio Lower Upper

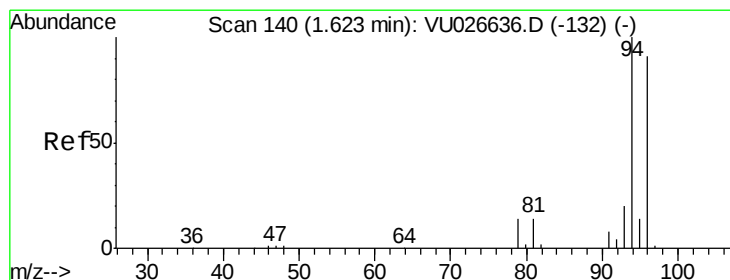
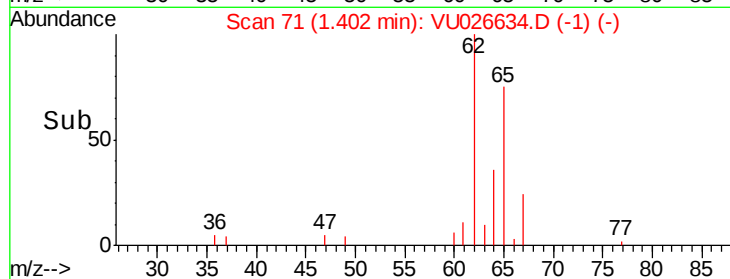
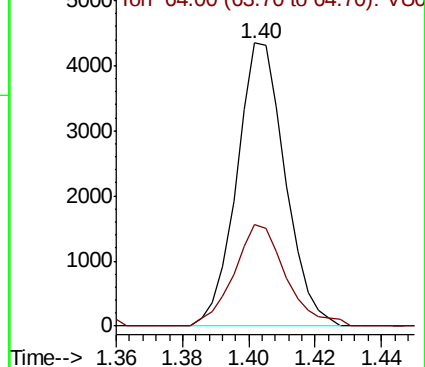
62 100

64 35.8 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: 3.890 ug/L

RT: 1.63 min Scan# 142

Delta R.T. 0.01 min

Lab File: VU026634.D

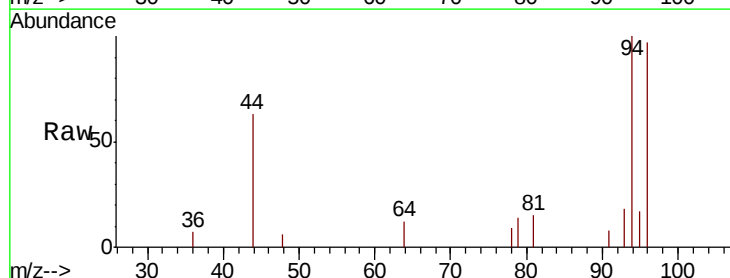
Acq: 10 Sep 2018 08:09

Tgt Ion: 94 Resp: 2498

Ion Ratio Lower Upper

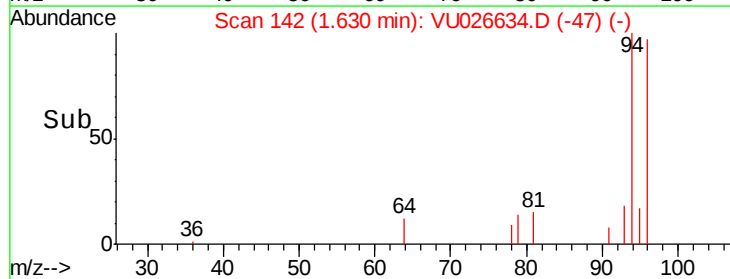
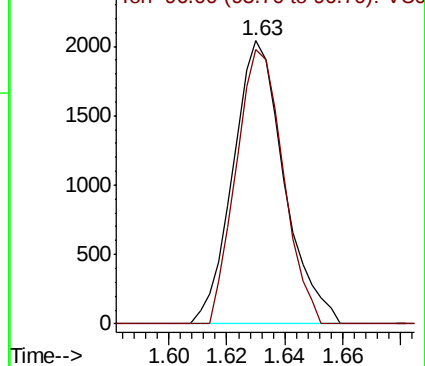
94 100

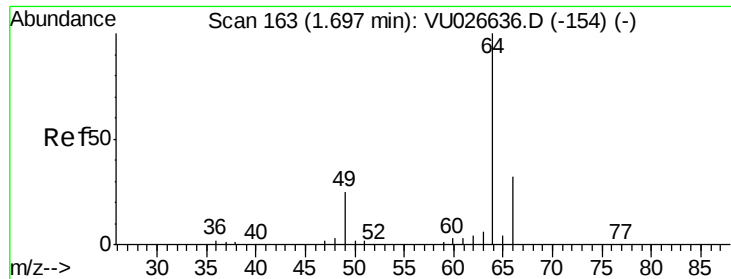
96 97.0 63.6 118.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 3.719 ug/L

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU026634.D

Acq: 10 Sep 2018 08:09

Instrument :

MSVOA_U

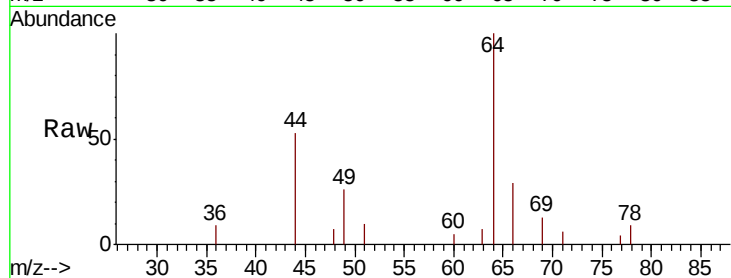
ClientSampleId :

Tot Ion: 64 Resp: 2542

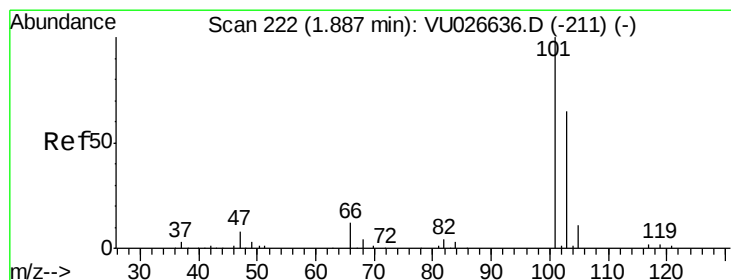
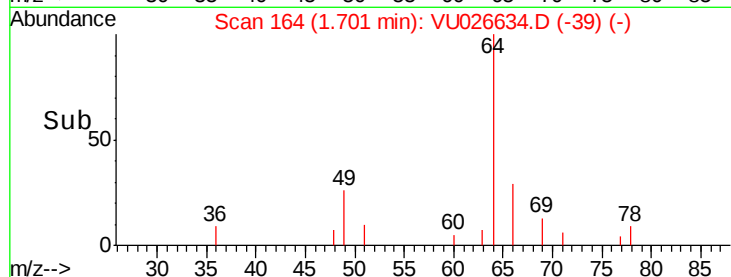
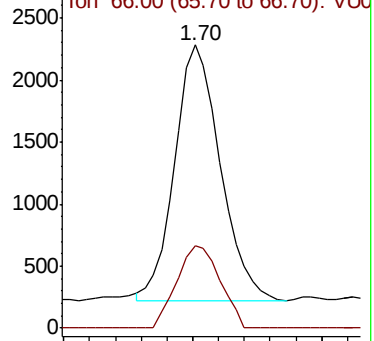
Ion Ratio Lower Upper

64 100

66 29.1 22.4 41.6



Abundance Ion 64.00 (63.70 to 64.70): VU026634.D (-154) (-)



#9

Trichlorofluoromethane

Concen: 3.913 ug/L

RT: 1.89 min Scan# 222

Delta R.T. 0.00 min

Lab File: VU026634.D

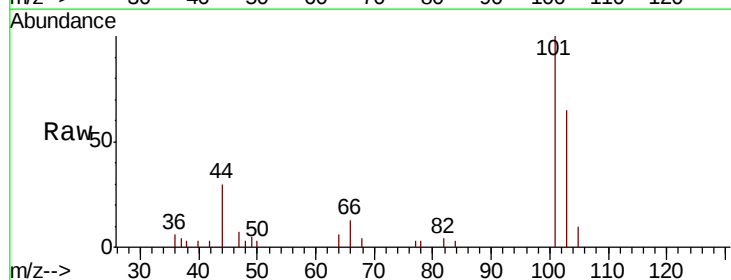
Acq: 10 Sep 2018 08:09

Tgt Ion:101 Resp: 5437

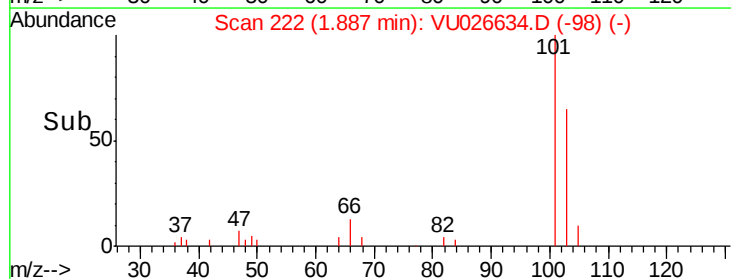
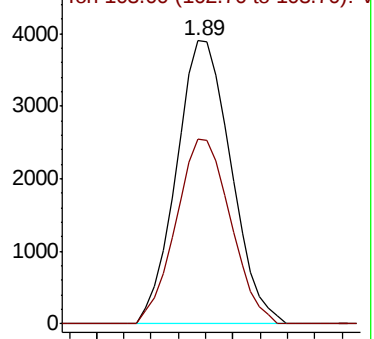
Ion Ratio Lower Upper

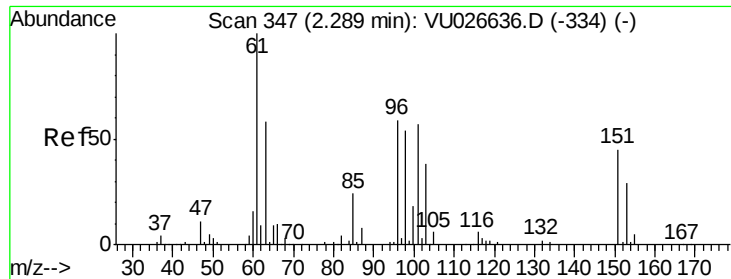
101 100

103 65.2 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VU026634.D (-98) (-)





#10

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

Concen: 3.941 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU026634.D

Acq: 10 Sep 2018 08:09

Instrument :

MSVOA_U

ClientSampled :

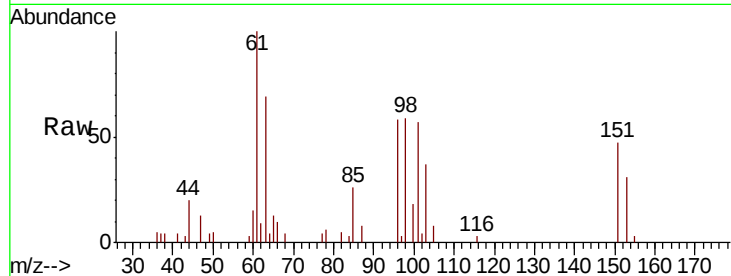
Tot Ion:101 Resp: 3119

Ion Ratio Lower Upper

101 100

85 43.3 34.1 51.1

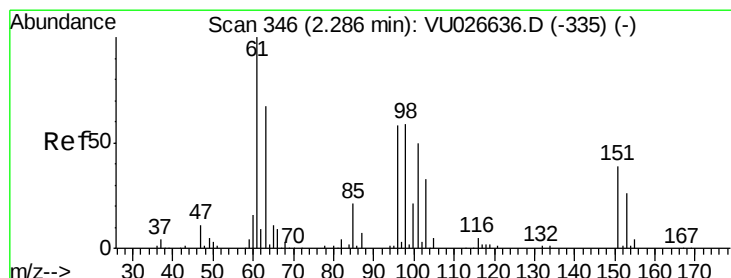
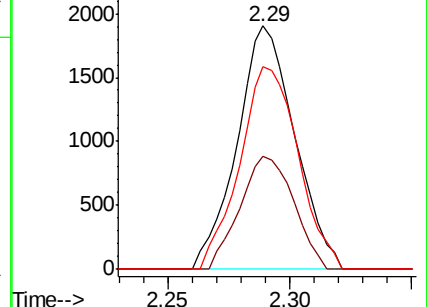
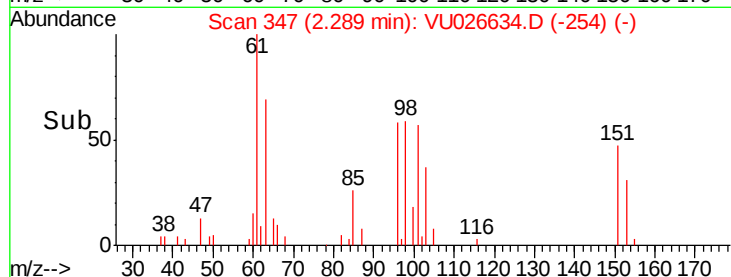
151 84.2 62.6 94.0



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: 4.159 ug/L

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU026634.D

Acq: 10 Sep 2018 08:09

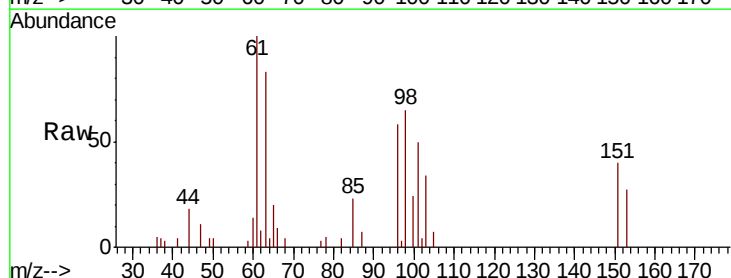
Tgt Ion: 96 Resp: 3161

Ion Ratio Lower Upper

96 100

61 172.5 121.0 224.8

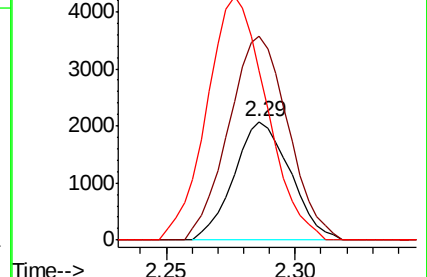
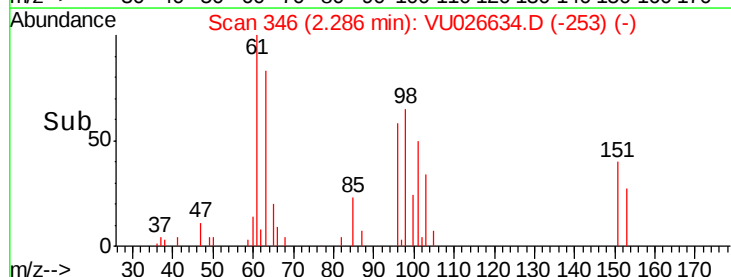
63 142.7 89.9 166.9

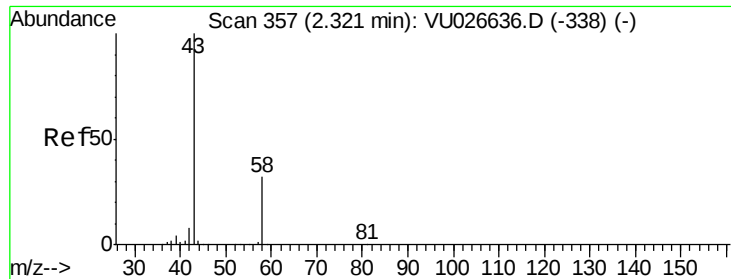


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 11.072 ug/L

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

Lab File: VU026634.D

Acq: 10 Sep 2018 08:09

Instrument :

MSVOA_U

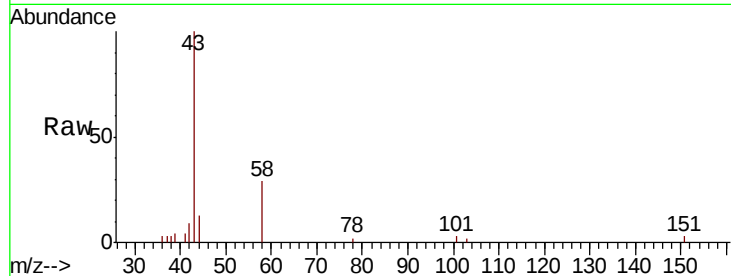
ClientSampled :

Tot Ion: 43 Resp: 7537

Ion Ratio Lower Upper

43 100

58 28.3 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

4000

3000

2000

1000

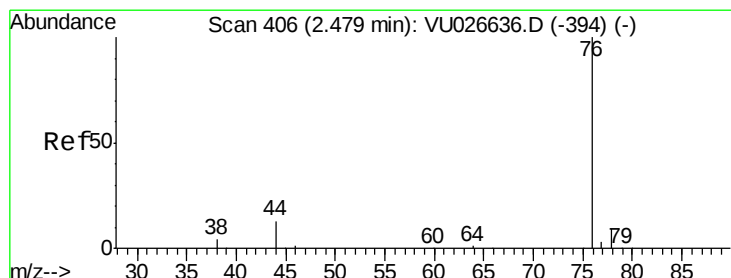
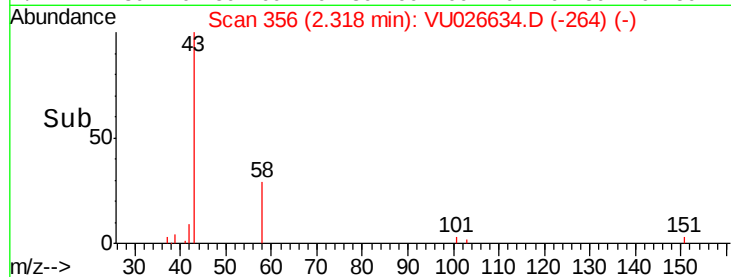
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Time-->

2.25

2.30

2.35



#14

Carbon disulfide

Concen: 4.066 ug/L

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU026634.D

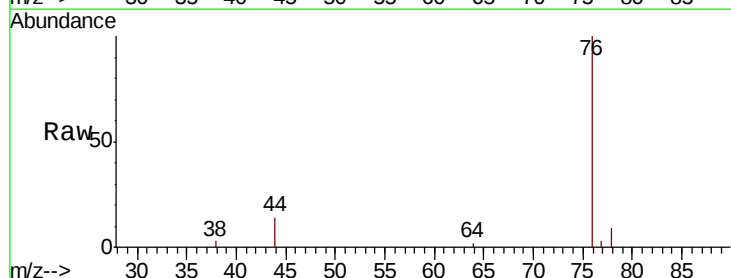
Acq: 10 Sep 2018 08:09

Tgt Ion: 76 Resp: 10037

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.48

6000

4000

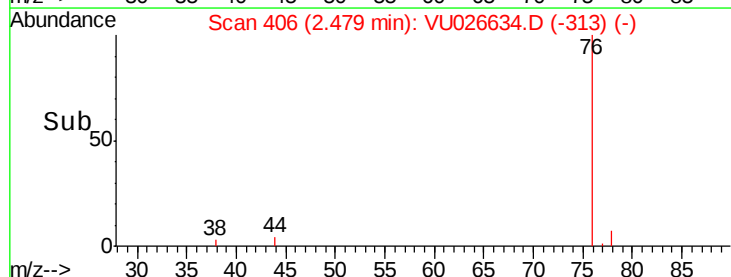
2000

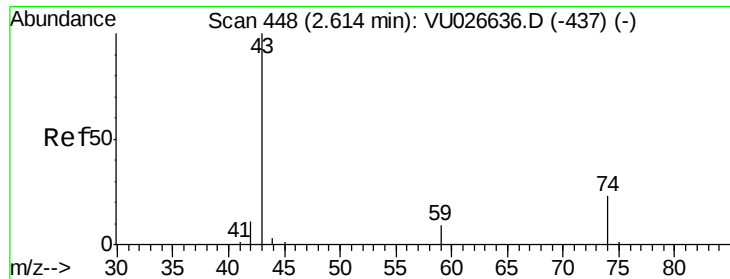
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Time-->

2.45

2.50

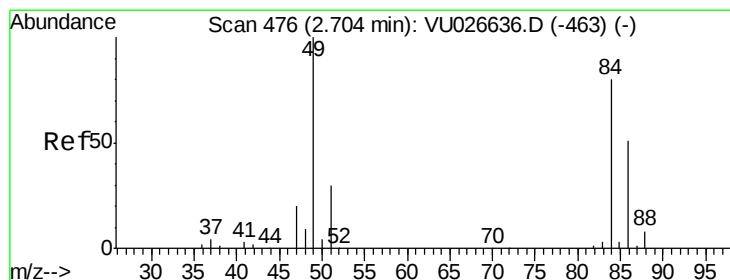
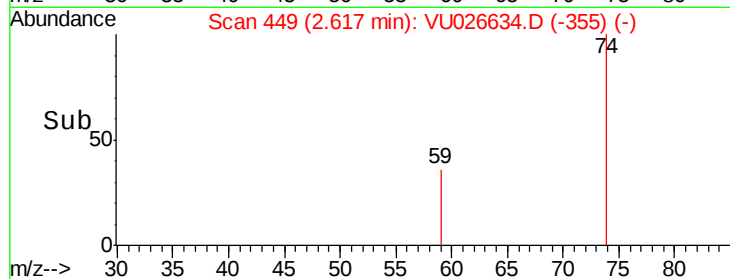
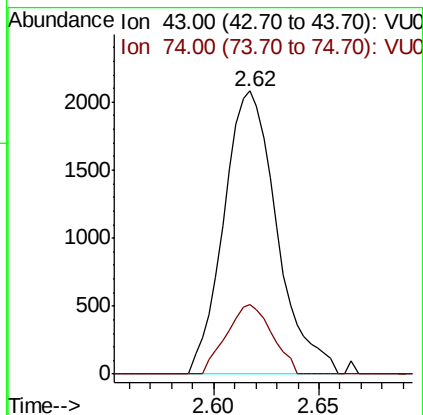
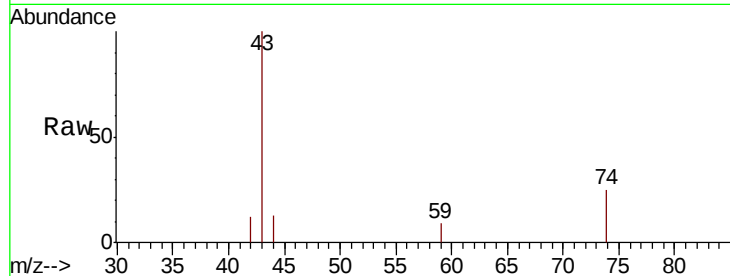




#15
Methyl Acetate
Concen: 3.755 ug/L
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU026634.D
Acq: 10 Sep 2018 08:09

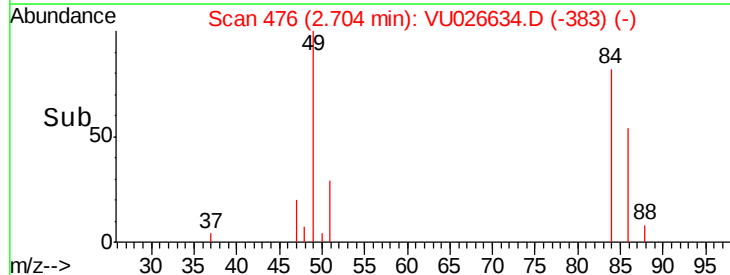
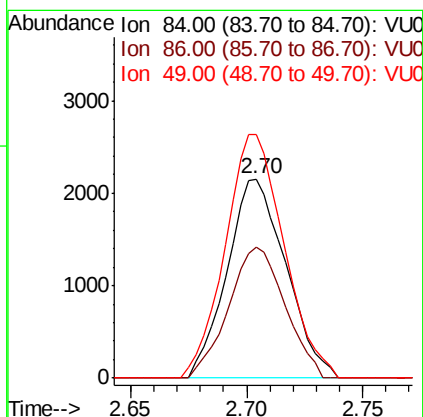
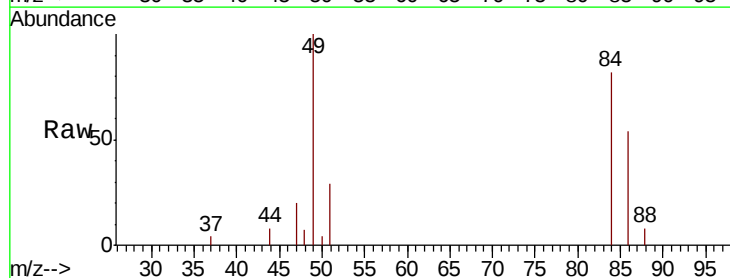
Instrument :
MSVOA_U
ClientSampled :

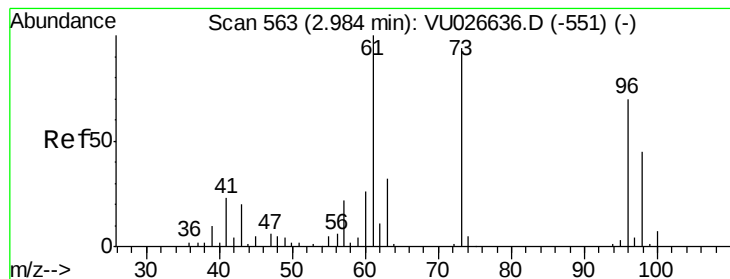
Tot Ion: 43 Resp: 3647
Ion Ratio Lower Upper
43 100
74 21.1 18.5 27.7



#16
Methylene chloride
Concen: 4.232 ug/L
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU026634.D
Acq: 10 Sep 2018 08:09

Tgt Ion: 84 Resp: 3796
Ion Ratio Lower Upper
84 100
86 65.7 44.1 81.9
49 122.1 87.2 161.9





#17

trans-1,2-Dichloroethene

Concen: 4.032 ug/L

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU026634.D

Acq: 10 Sep 2018 08:09

Instrument :

MSVOA_U

ClientSampleId :

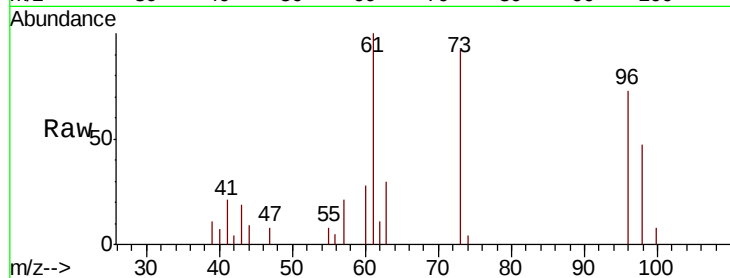
Tot Ion: 96 Resp: 3247

Ion Ratio Lower Upper

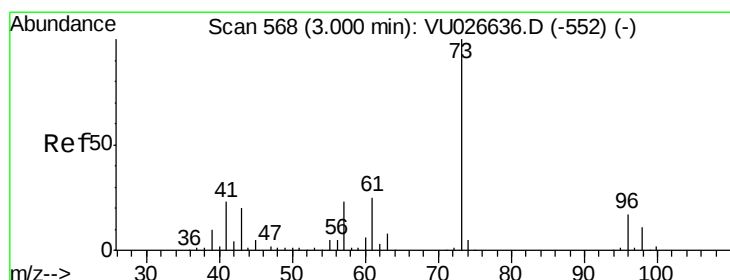
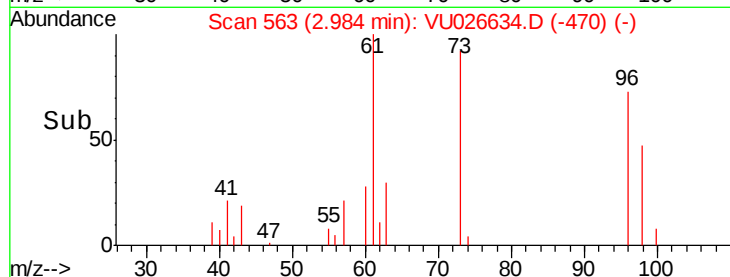
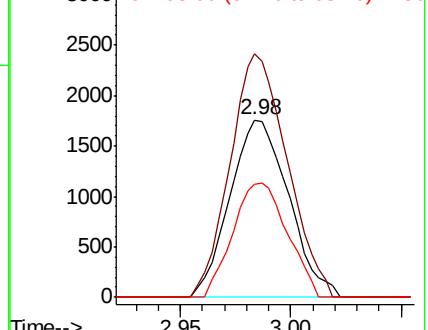
96 100

61 137.2 99.7 185.1

98 63.9 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: 3.637 ug/L

RT: 3.00 min Scan# 567

Delta R.T. -0.00 min

Lab File: VU026634.D

Acq: 10 Sep 2018 08:09

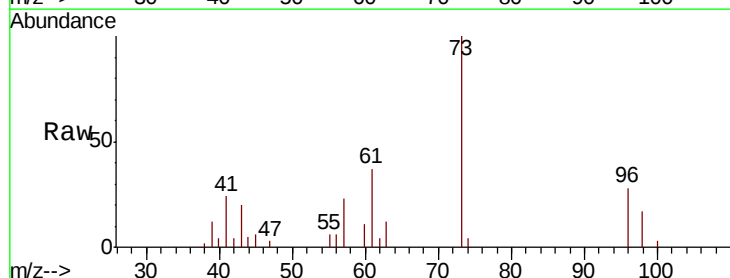
Tgt Ion: 73 Resp: 9024

Ion Ratio Lower Upper

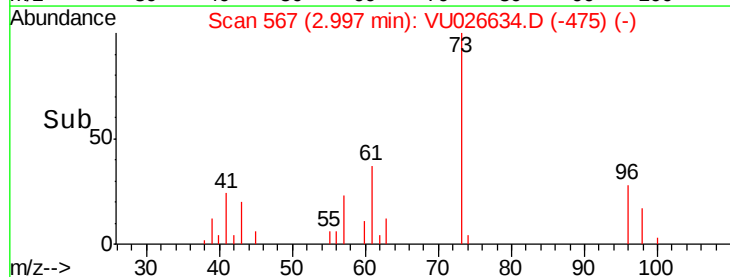
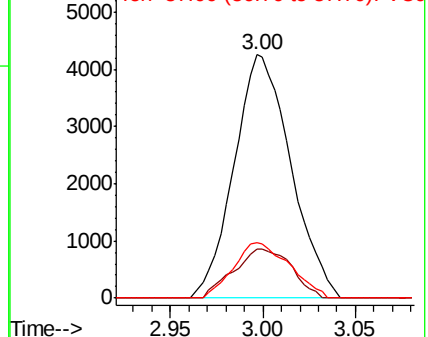
73 100

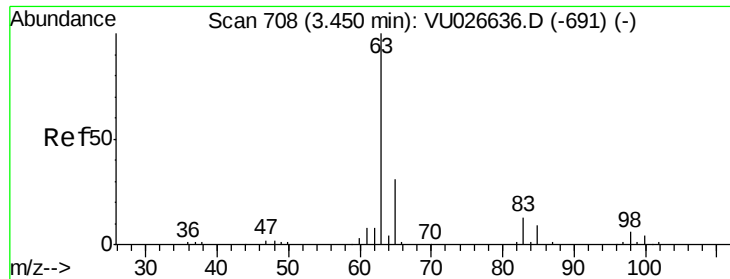
43 20.5 16.0 24.0

57 22.5 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

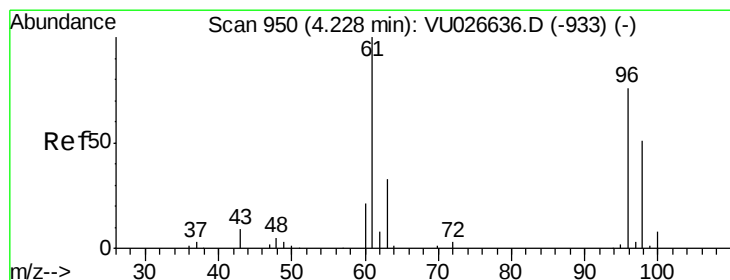
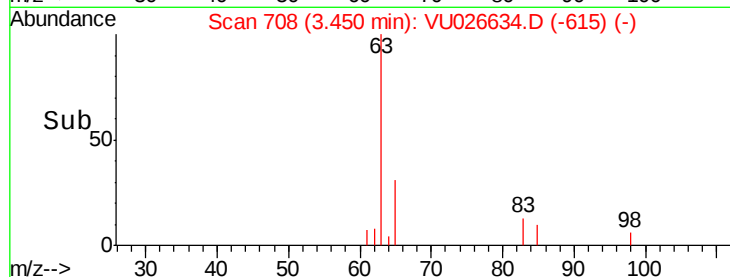
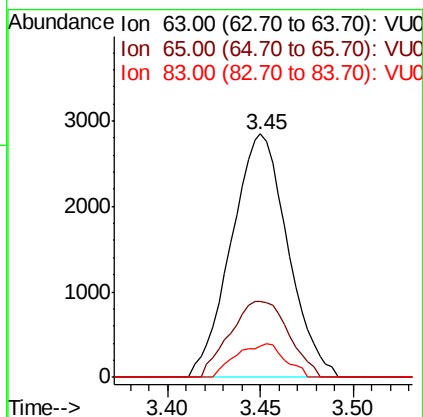
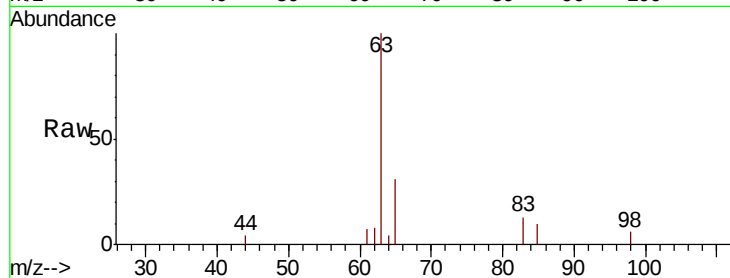




#19
 1,1-Dichloroethane
 Concen: 3.860 ug/L
 RT: 3.45 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VU026634.D
 Acq: 10 Sep 2018 08:09

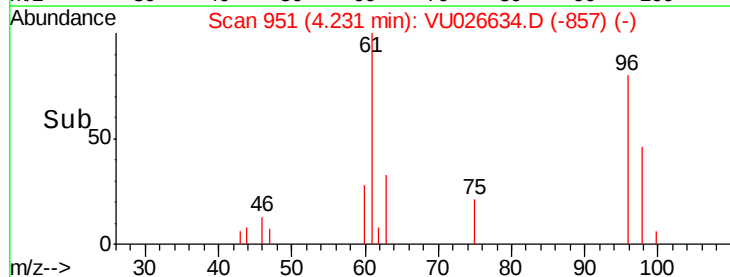
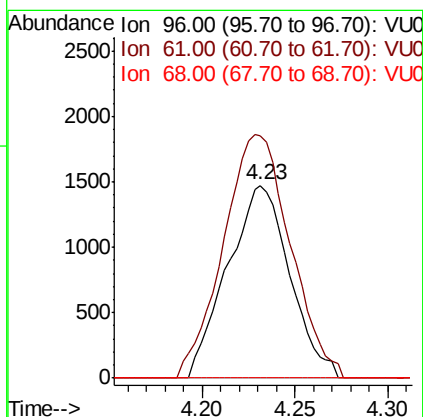
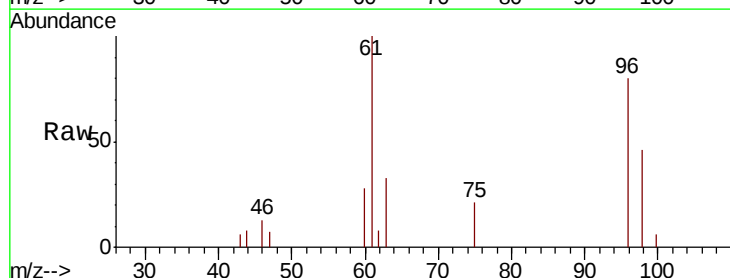
Instrument :
 MSVOA_U
 ClientSampleId :

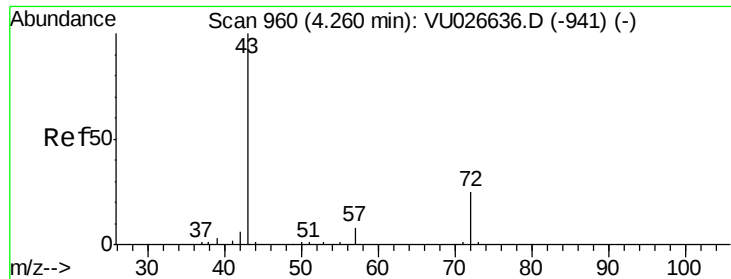
Tot Ion: 63 Resp: 6028
 Ion Ratio Lower Upper
 63 100
 65 31.2 21.9 40.7
 83 12.6 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 3.793 ug/L
 RT: 4.23 min Scan# 951
 Delta R.T. 0.00 min
 Lab File: VU026634.D
 Acq: 10 Sep 2018 08:09

Tgt Ion: 96 Resp: 3440
 Ion Ratio Lower Upper
 96 100
 61 125.7 92.9 172.5
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 7.453 ug/L

RT: 4.27 min Scan# 962

Delta R.T. 0.01 min

Lab File: VU026634.D

Acq: 10 Sep 2018 08:09

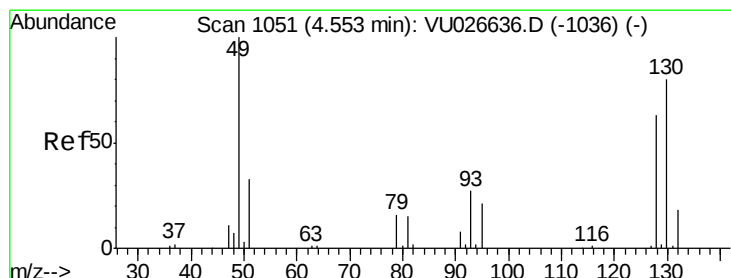
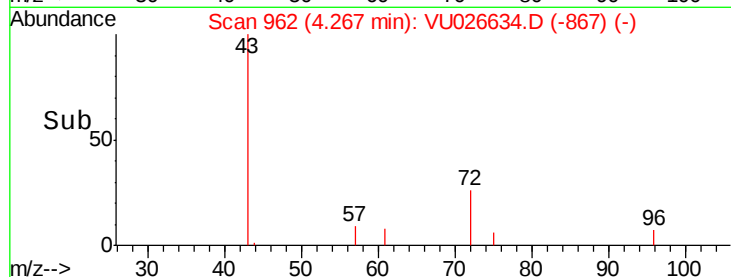
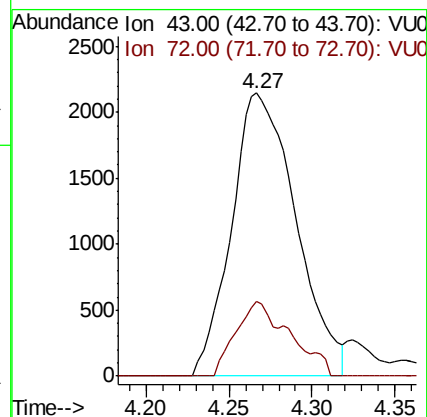
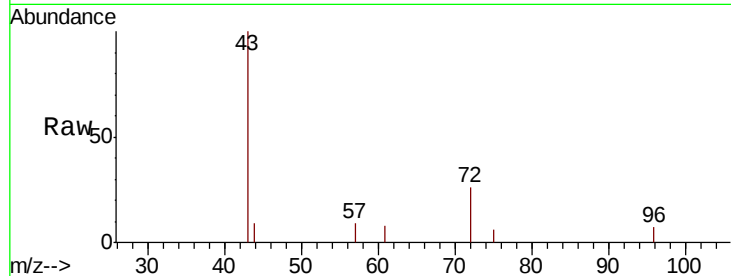
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 5809

Ion Ratio Lower Upper

43 100

72 15.3 12.9 38.6



#23

Bromochloromethane

Concen: 3.634 ug/L

RT: 4.56 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VU026634.D

Acq: 10 Sep 2018 08:09

Tgt Ion: 128 Resp: 1686

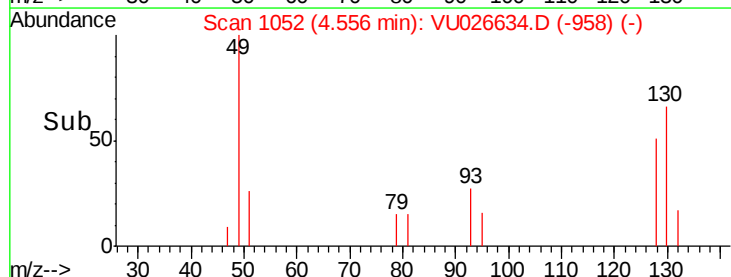
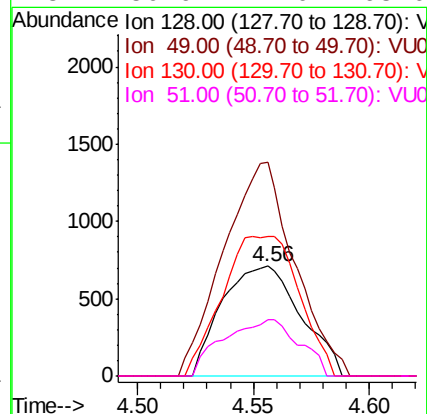
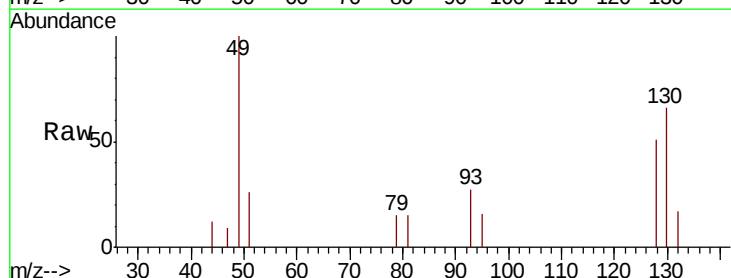
Ion Ratio Lower Upper

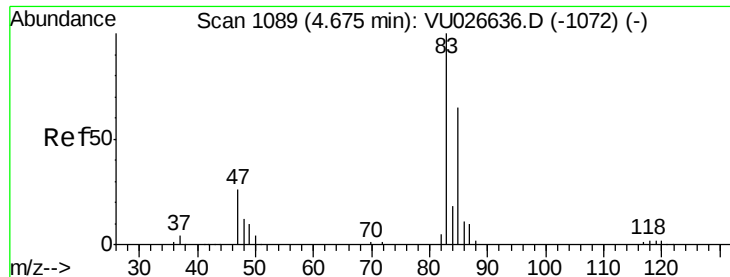
128 100

49 194.9 111.7 207.5

130 127.8 89.0 165.2

51 50.9 42.0 63.0

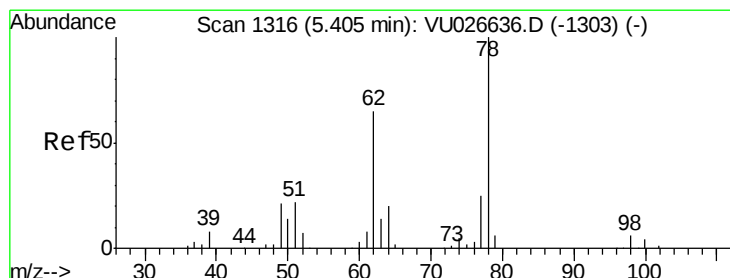
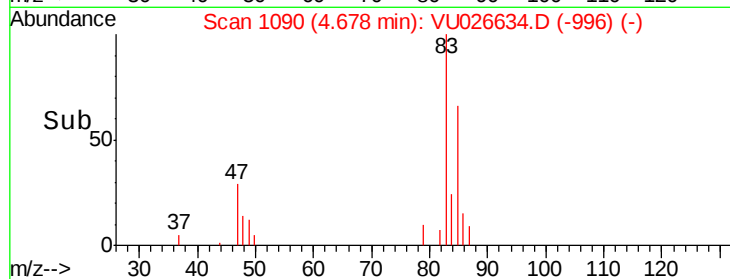
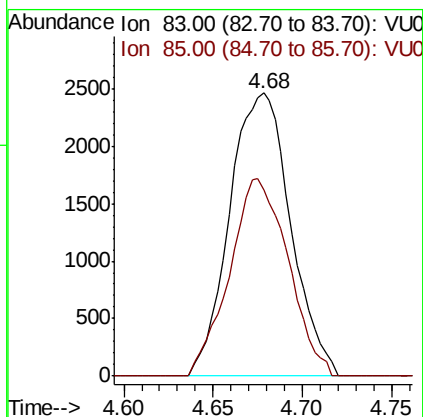
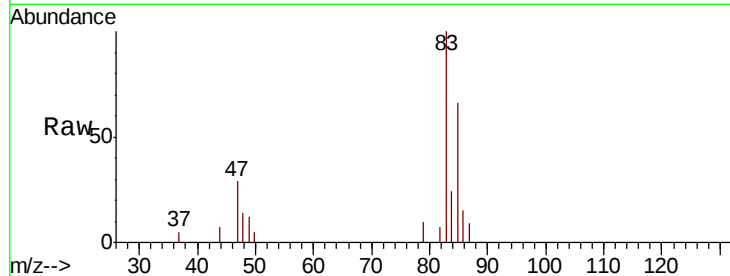




#25
Chloroform
Concen: 3.733 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU026634.D
Acq: 10 Sep 2018 08:09

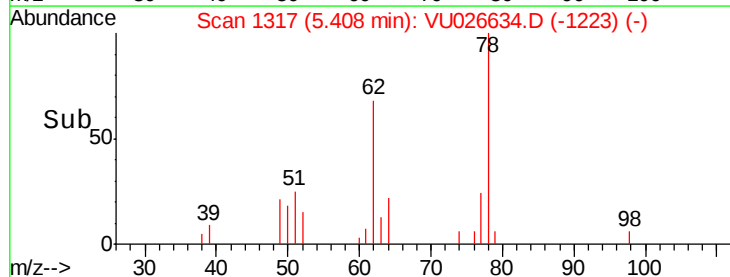
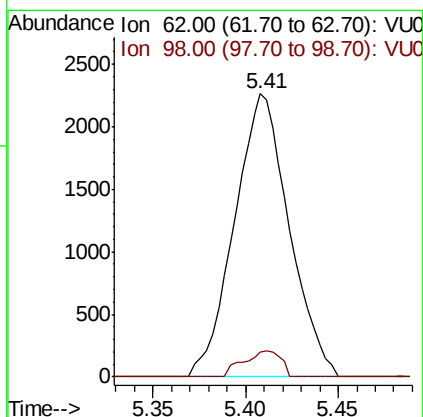
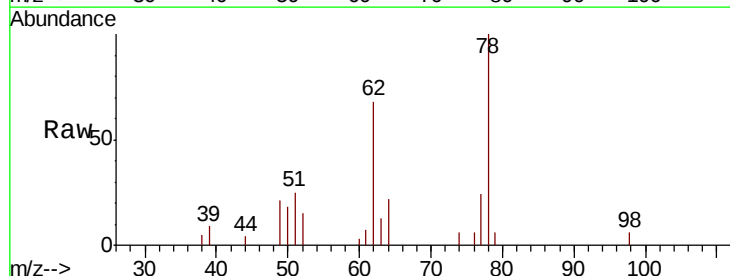
Instrument :
MSVOA_U
ClientSampled :

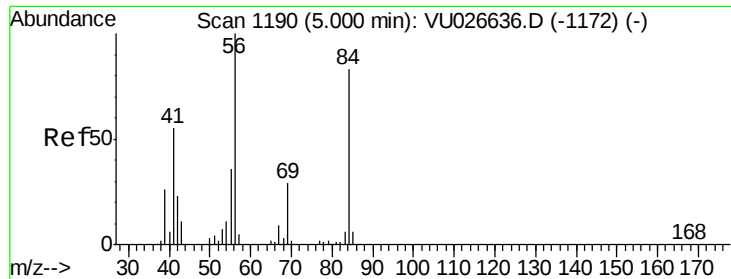
Tot Ion: 83 Resp: 5860
Ion Ratio Lower Upper
83 100
85 65.6 45.6 84.6



#27
1,2-Dichloroethane
Concen: 3.727 ug/L
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU026634.D
Acq: 10 Sep 2018 08:09

Tgt Ion: 62 Resp: 4645
Ion Ratio Lower Upper
62 100
98 8.6 7.4 11.0

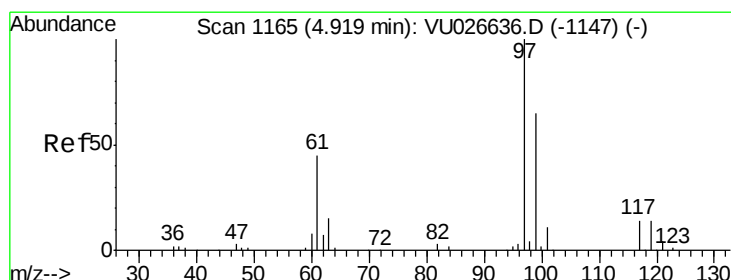
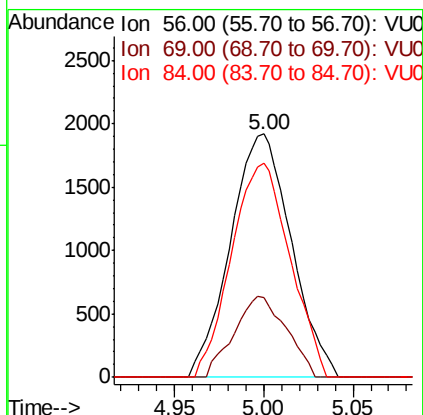
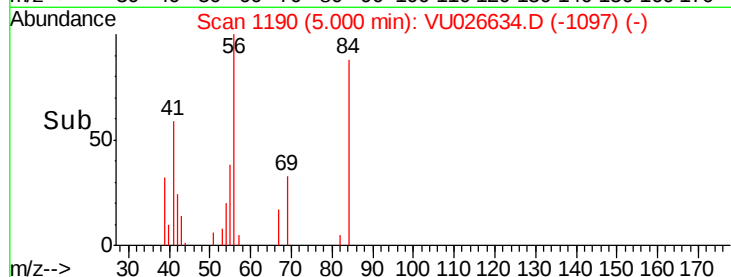
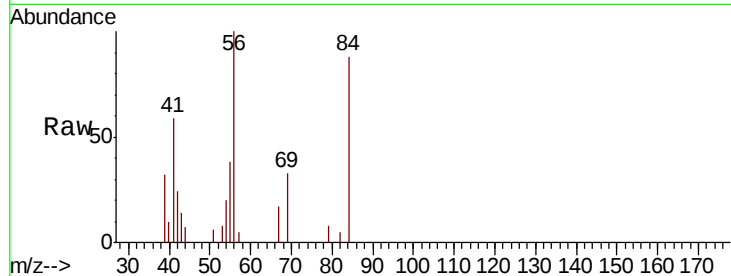




#29
Cyclohexane
Concen: 3.483 ug/L
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU026634.D
Acq: 10 Sep 2018 08:09

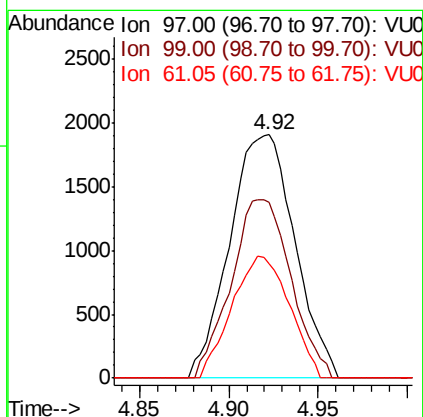
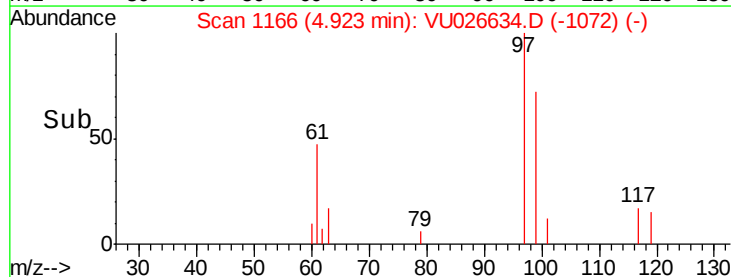
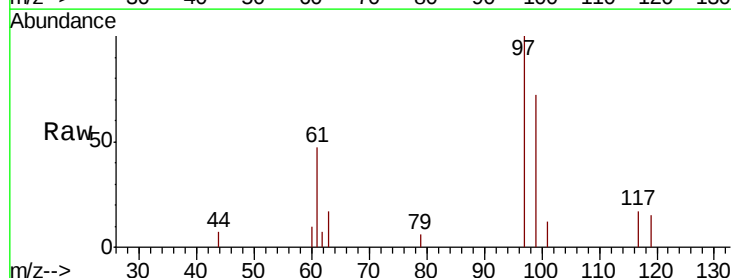
Instrument :
MSVOA_U
ClientSampleId :

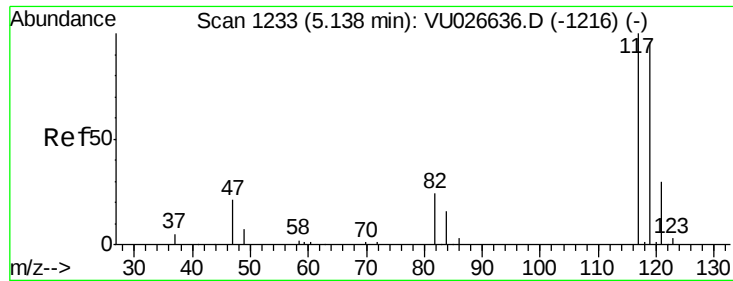
Tot Ion: 56 Resp: 4565
Ion Ratio Lower Upper
56 100
69 28.6 23.0 34.6
84 84.5 66.5 99.7



#30
1,1,1-Trichloroethane
Concen: 3.832 ug/L
RT: 4.92 min Scan# 1166
Delta R.T. 0.00 min
Lab File: VU026634.D
Acq: 10 Sep 2018 08:09

Tgt Ion: 97 Resp: 4857
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 44.3 36.2 54.2

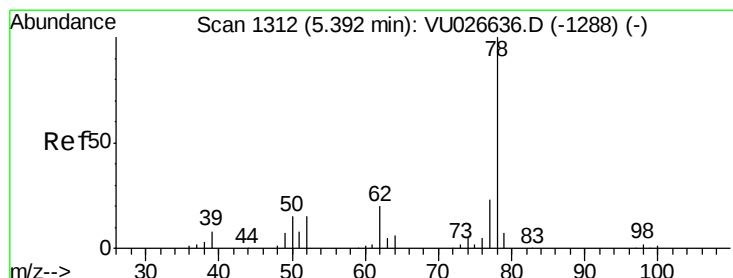
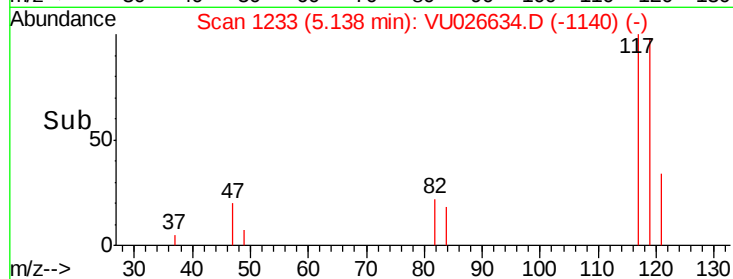
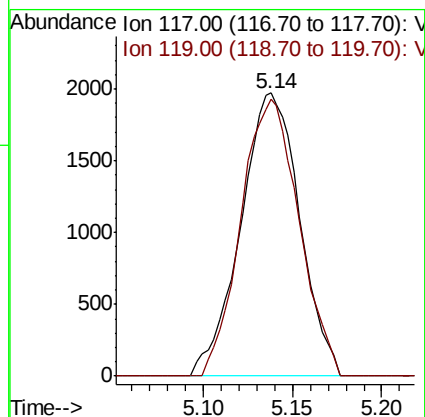
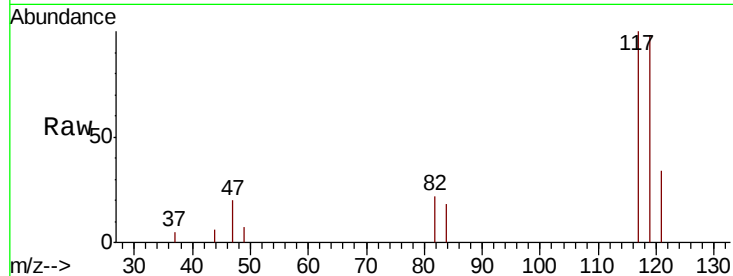




#31
Carbon tetrachloride
Concen: 3.969 ug/L
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU026634.D
Acq: 10 Sep 2018 08:09

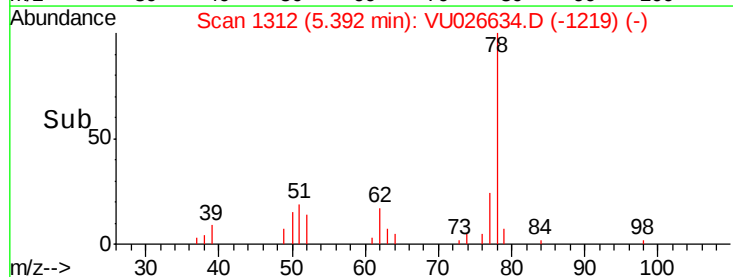
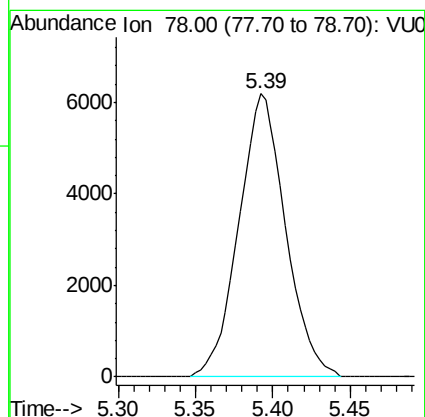
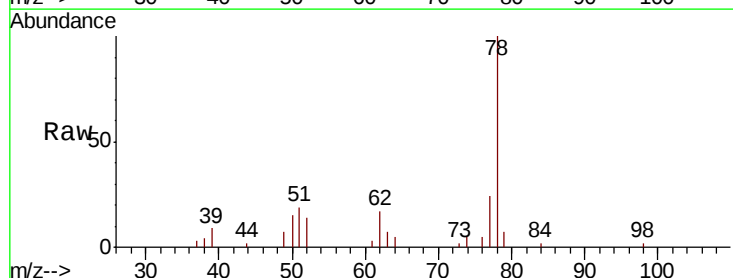
Instrument :
MSVOA_U
ClientSampleId :

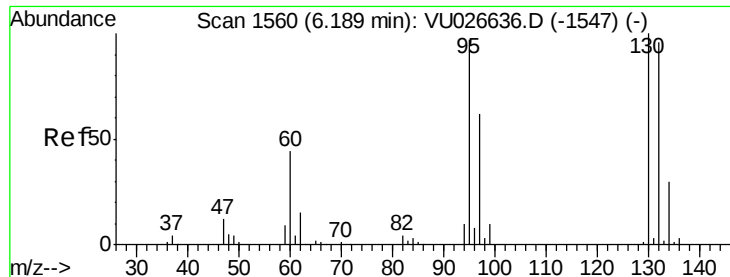
Tot Ion:117 Resp: 4547
Ion Ratio Lower Upper
117 100
119 96.1 77.6 116.4



#33
Benzene
Concen: 3.886 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU026634.D
Acq: 10 Sep 2018 08:09

Tgt Ion: 78 Resp: 13019

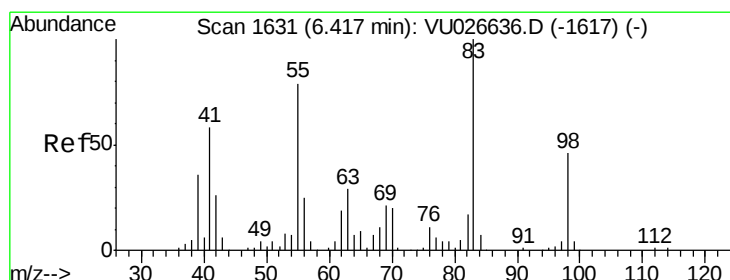
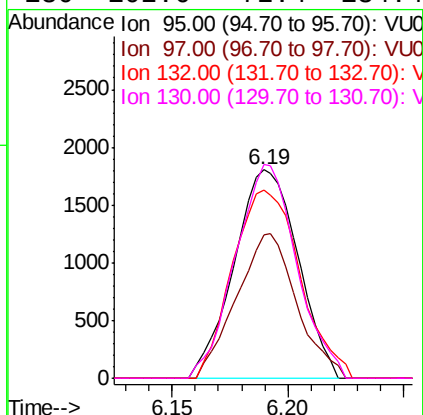
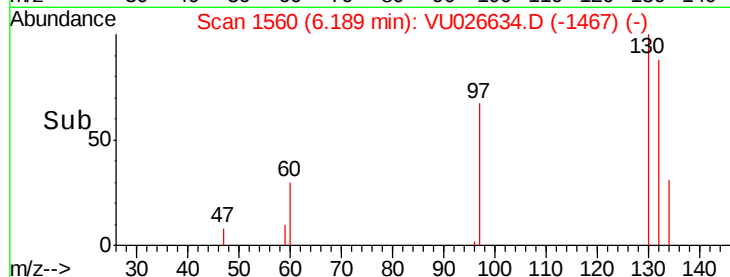
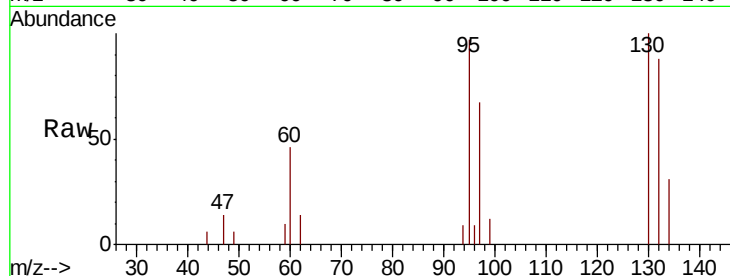




#34
 Trichloroethene
 Concen: 4.148 ug/L
 RT: 6.19 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: VU026634.D
 Acq: 10 Sep 2018 08:09

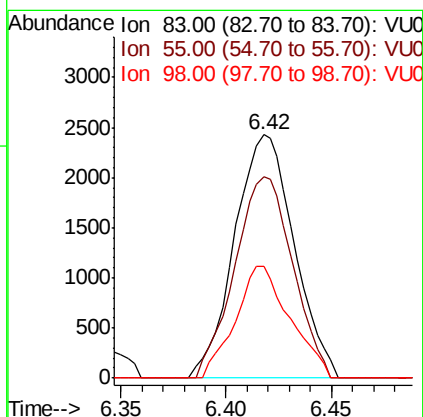
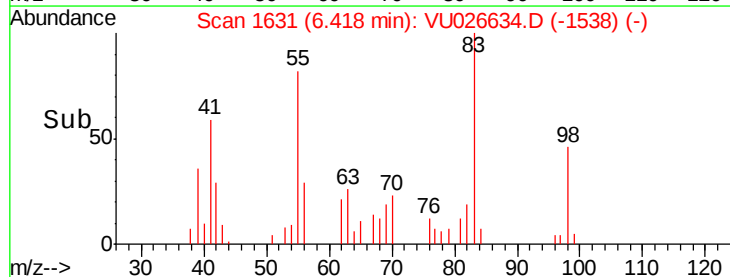
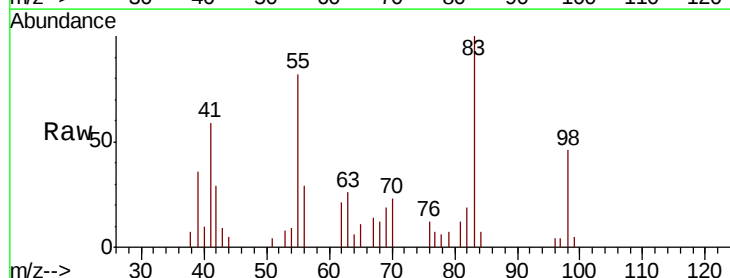
Instrument :
 MSVOA_U
 ClientSampleId :

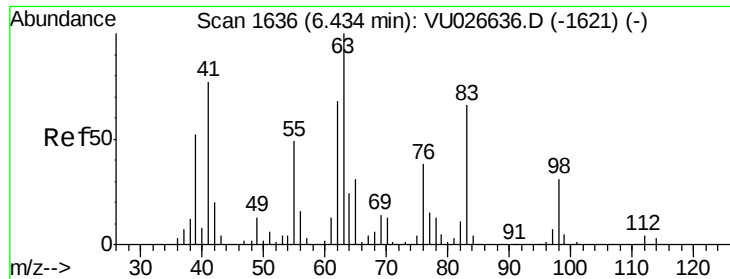
Tot Ion: 95 Resp: 3454
 Ion Ratio Lower Upper
 95 100
 97 68.7 44.9 83.5
 132 90.6 69.7 129.5
 130 102.6 72.4 134.4



#35
 Methylcyclohexane
 Concen: 3.578 ug/L
 RT: 6.42 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VU026634.D
 Acq: 10 Sep 2018 08:09

Tgt Ion: 83 Resp: 4770
 Ion Ratio Lower Upper
 83 100
 55 80.3 62.9 94.3
 98 42.1 37.0 55.4

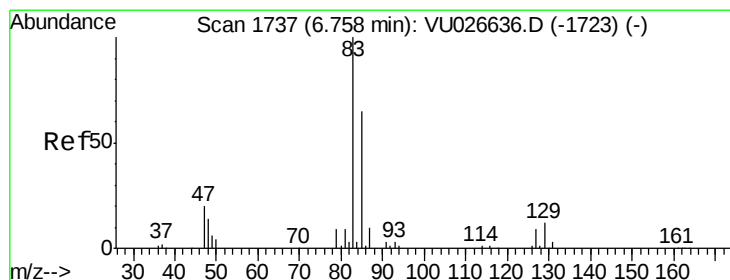
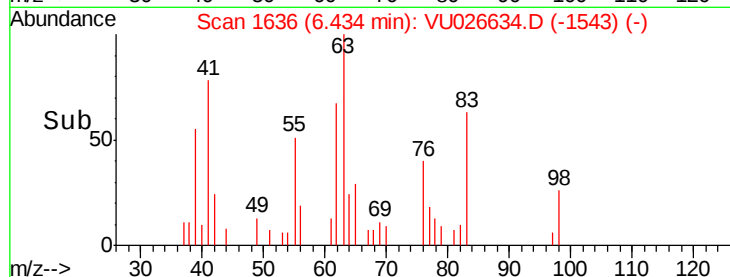
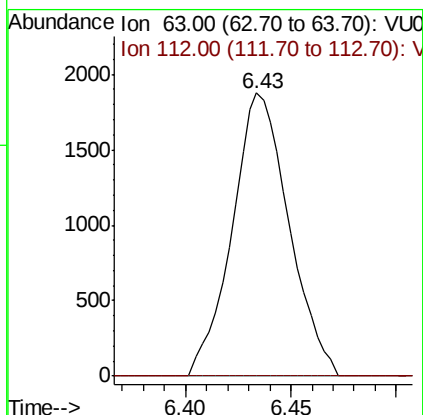
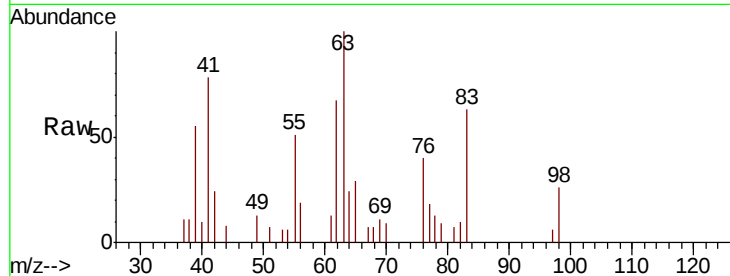




#37
 1,2-Dichloropropane
 Concen: 3.747 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU026634.D
 Acq: 10 Sep 2018 08:09

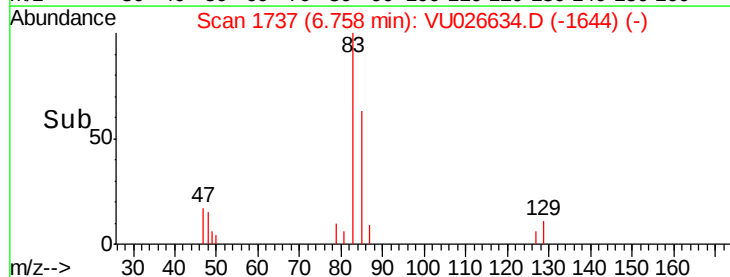
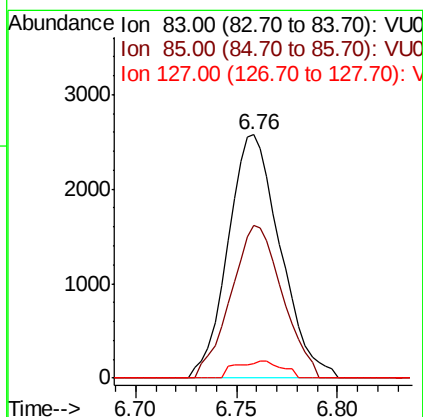
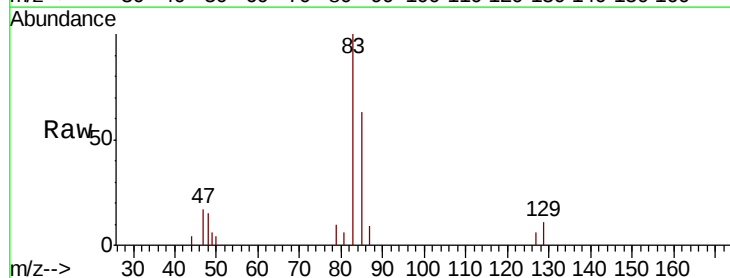
Instrument :
 MSVOA_U
 ClientSampled :

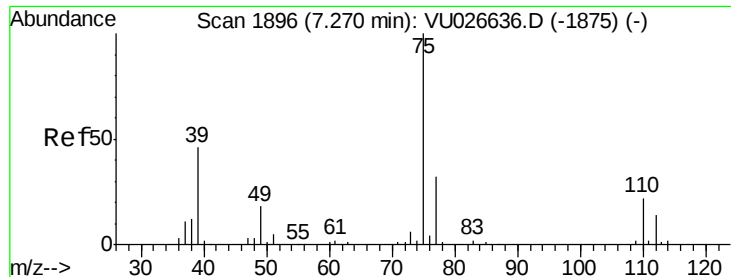
Tot Ion: 63 Resp: 3507
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.9 4.3#



#38
 Bromodichloromethane
 Concen: 4.065 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU026634.D
 Acq: 10 Sep 2018 08:09

Tgt Ion: 83 Resp: 4663
 Ion Ratio Lower Upper
 83 100
 85 62.9 45.1 83.9
 127 6.1 7.2 10.8#

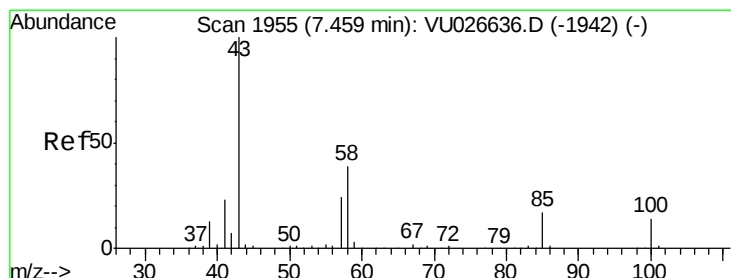
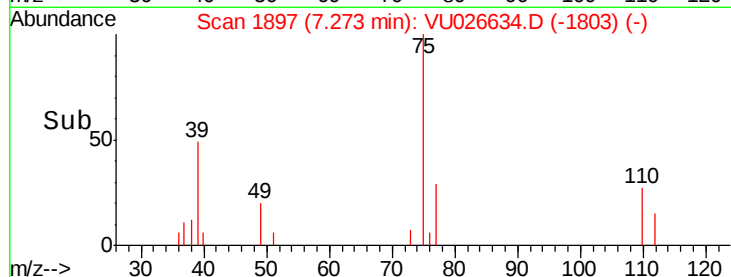
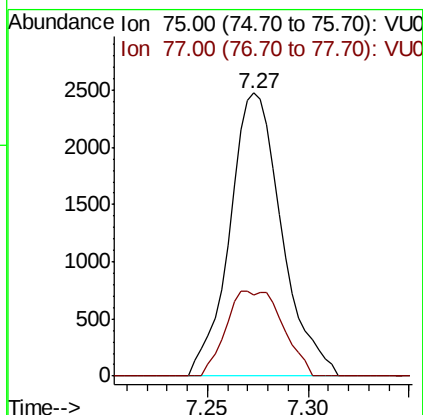
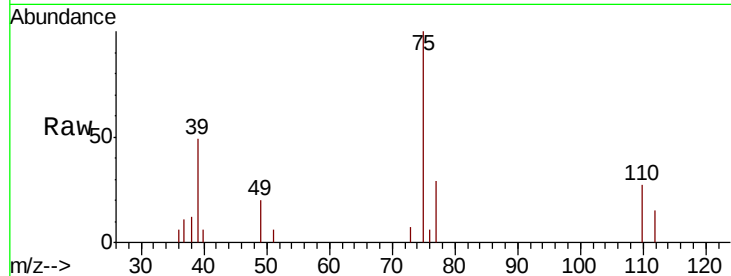




#39
 cis-1,3-Dichloropropene
 Concen: 3.230 ug/L
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.00 min
 Lab File: VU026634.D
 Acq: 10 Sep 2018 08:09

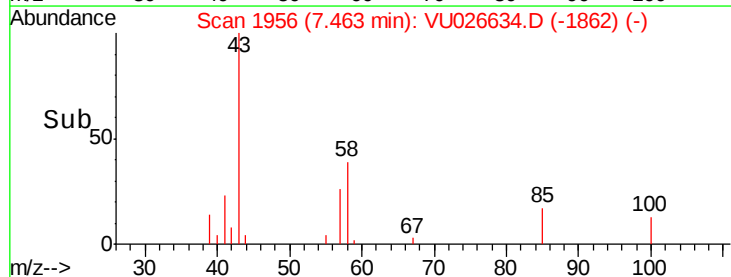
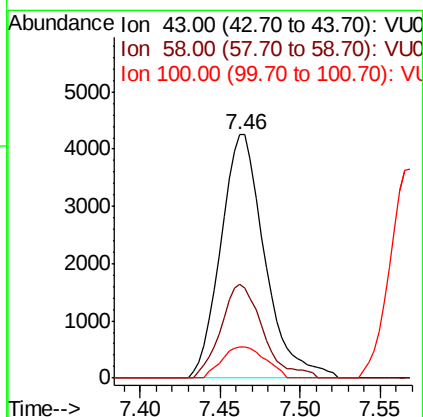
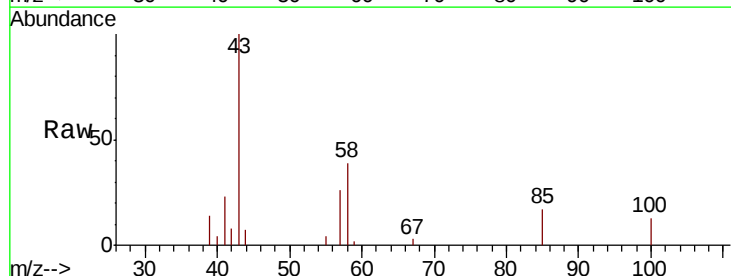
Instrument :
 MSVOA_U
 ClientSampled :

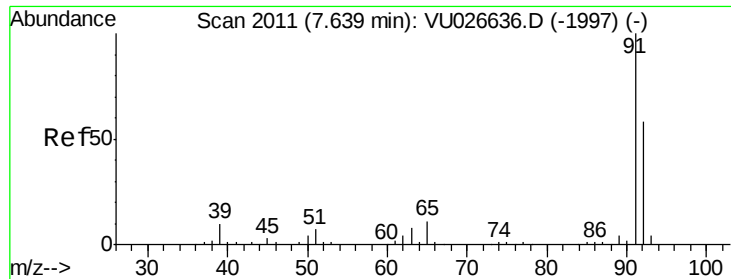
Tot Ion: 75 Resp: 4474
 Ion Ratio Lower Upper
 75 100
 77 28.6 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 6.705 ug/L
 RT: 7.46 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VU026634.D
 Acq: 10 Sep 2018 08:09

Tgt Ion: 43 Resp: 8006
 Ion Ratio Lower Upper
 43 100
 58 36.7 31.1 46.7
 100 12.6 11.3 16.9





#42

Toluene

Concen: 3.488 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026634.D

Acq: 10 Sep 2018 08:09

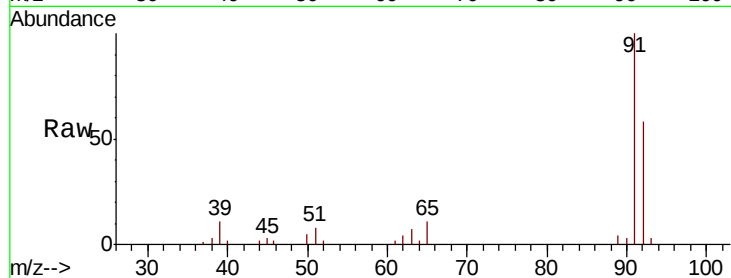
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 12113

Ion Ratio Lower Upper

91 100

92 57.5 40.3 74.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

7.64

6000

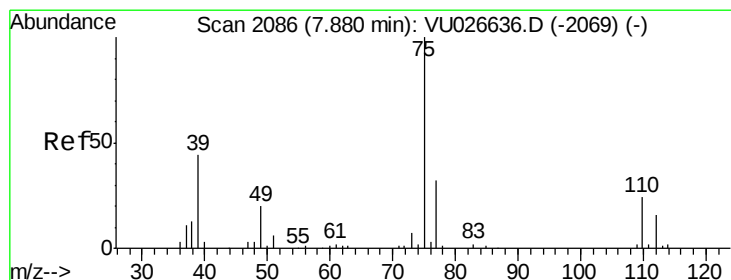
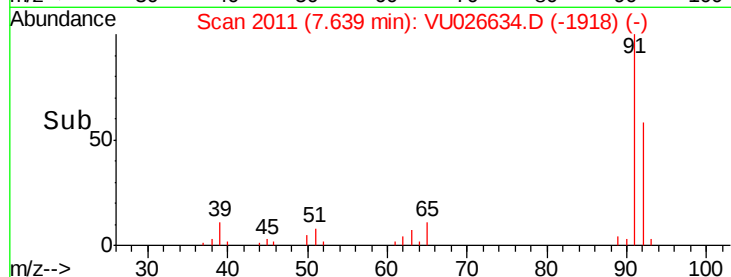
4000

2000

0

Time-->

7.60 7.65 7.70



#44

trans-1,3-Dichloropropene

Concen: 3.340 ug/L

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU026634.D

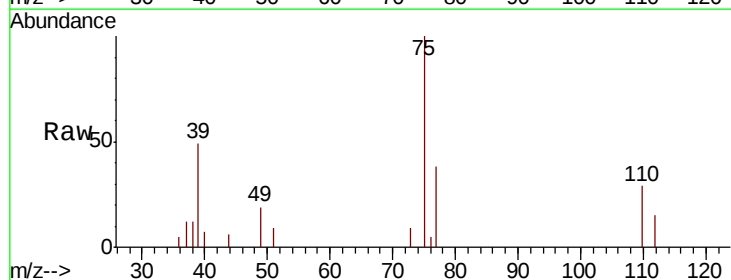
Acq: 10 Sep 2018 08:09

Tgt Ion: 75 Resp: 4304

Ion Ratio Lower Upper

75 100

77 37.7 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

7.88

2500

2000

1500

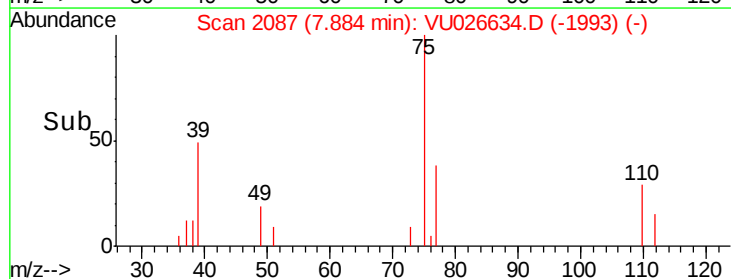
1000

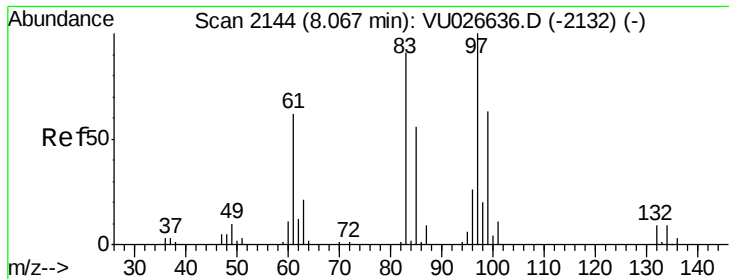
500

0

Time-->

7.85 7.90 7.95

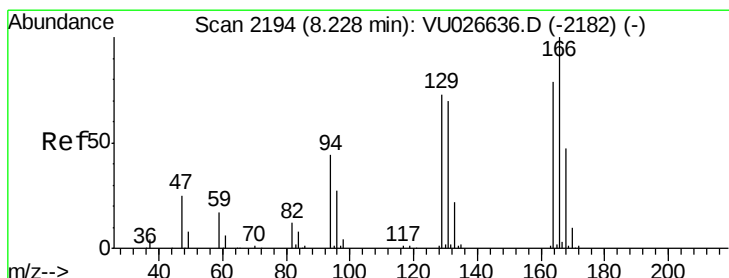
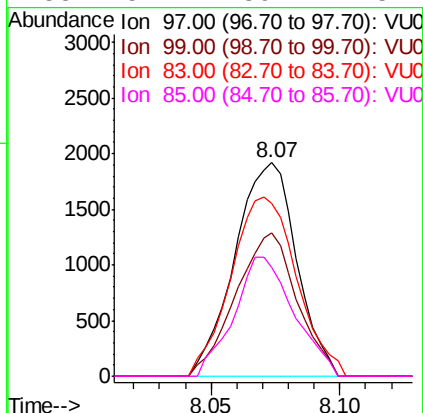
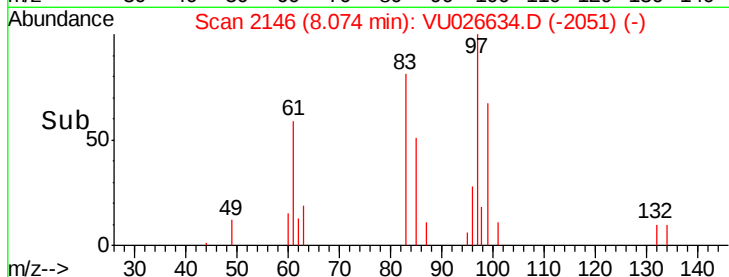
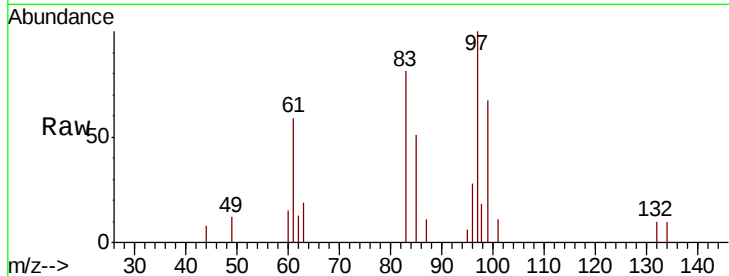




#45
1,1,2-Trichloroethane
Concen: 3.860 ug/L
RT: 8.07 min Scan# 2146
Delta R.T. 0.01 min
Lab File: VU026634.D
Acq: 10 Sep 2018 08:09

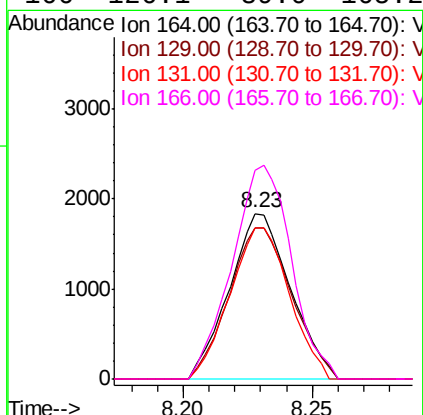
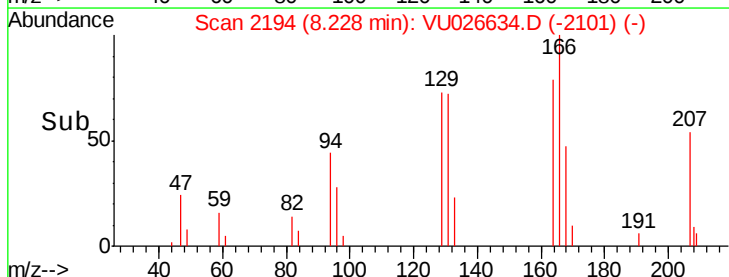
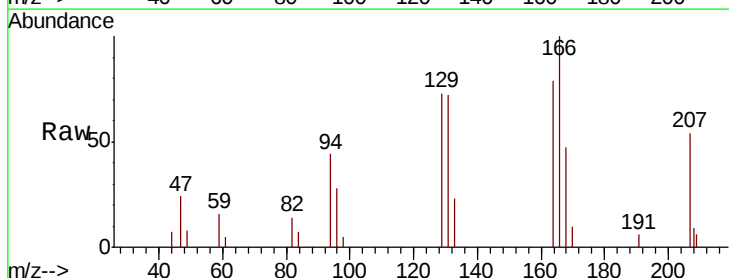
Instrument :
MSVOA_U
ClientSampled :

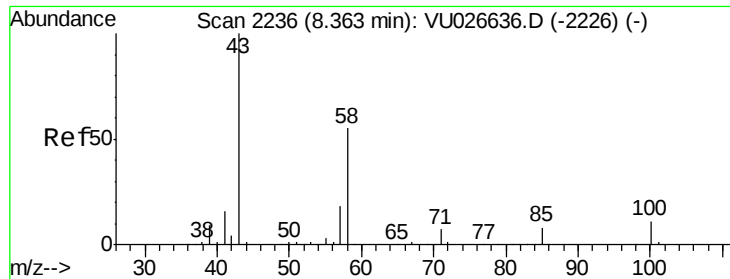
Tot Ion:	97.00	Resp:	3205
Ion	Ratio	Lower	Upper
97	100		
99	67.2	44.2	82.2
83	81.1	63.8	118.6
85	51.1	39.4	73.2



#46
Tetrachloroethene
Concen: 4.332 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU026634.D
Acq: 10 Sep 2018 08:09

Tgt Ion:	164	Resp:	3032
Ion	Ratio	Lower	Upper
164	100		
129	91.6	65.0	120.8
131	91.2	62.5	116.1
166	126.1	89.0	165.2

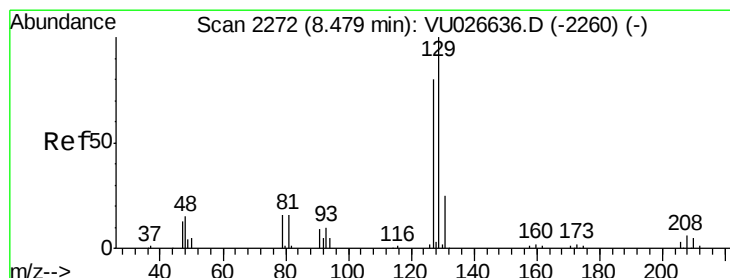
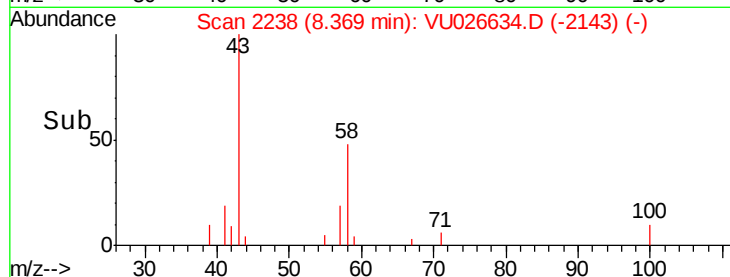
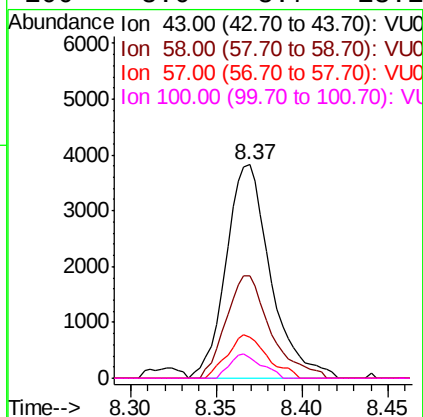
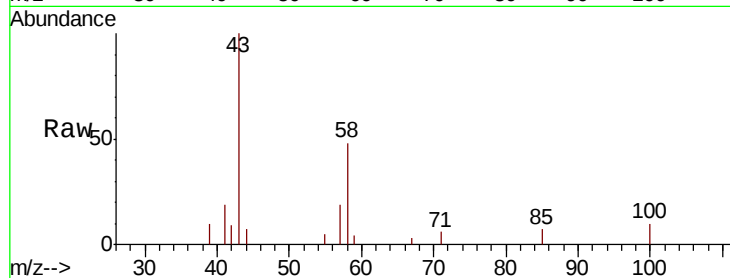




#48
2-Hexanone
Concen: 6.852 ug/L
RT: 8.37 min Scan# 2238
Delta R.T. 0.01 min
Lab File: VU026634.D
Acq: 10 Sep 2018 08:09

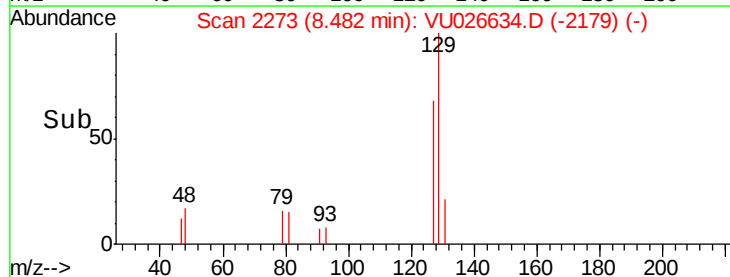
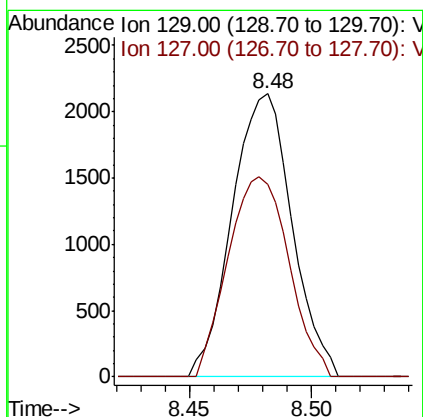
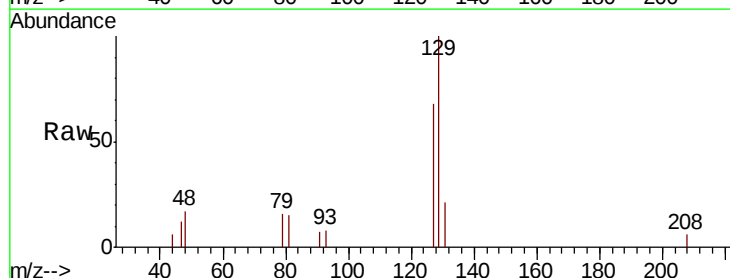
Instrument :
MSVOA_U
ClientSampleId :

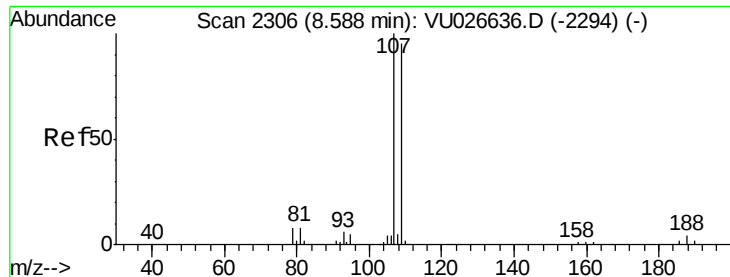
Tot Ion: 43 Resp: 6907
Ion Ratio Lower Upper
43 100
58 47.9 42.2 63.4
57 18.0 14.4 21.6
100 8.0 8.7 13.1#



#49
Dibromochloromethane
Concen: 3.791 ug/L
RT: 8.48 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VU026634.D
Acq: 10 Sep 2018 08:09

Tgt Ion: 129 Resp: 3638
Ion Ratio Lower Upper
129 100
127 68.0 55.8 103.6

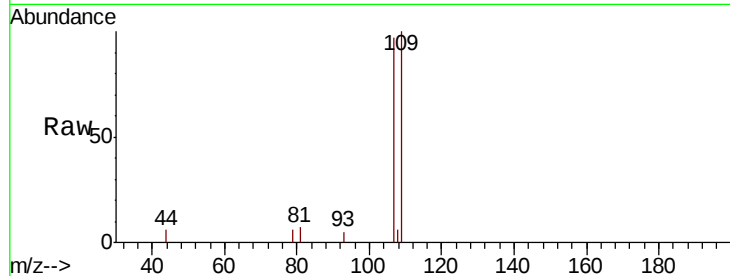




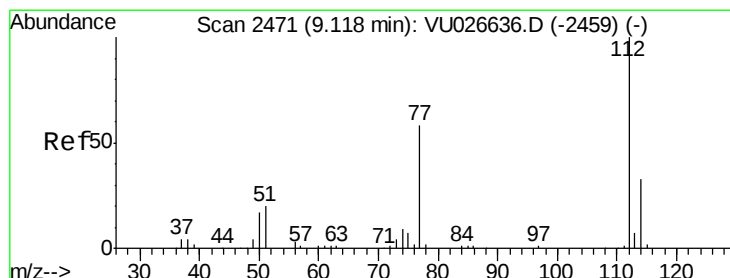
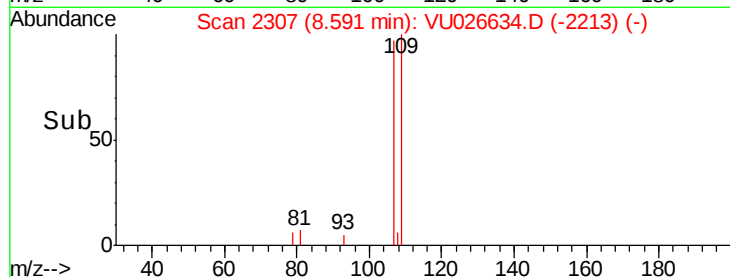
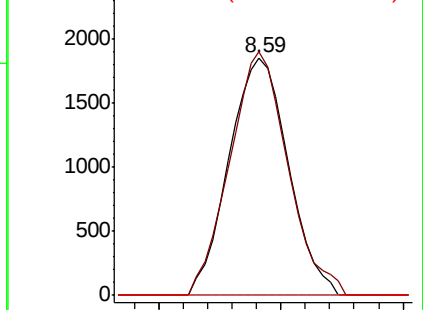
#50
 1,2-Dibromoethane
 Concen: 3.517 ug/L
 RT: 8.59 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VU026634.D
 Acq: 10 Sep 2018 08:09

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:107 Resp: 3124
 Ion Ratio Lower Upper
 107 100
 109 102.6 66.4 123.4
 188 0.0 3.0 4.4#

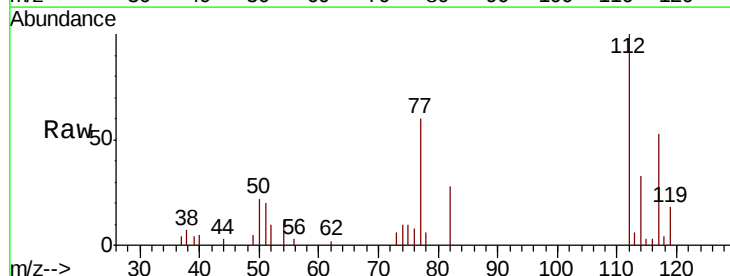


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

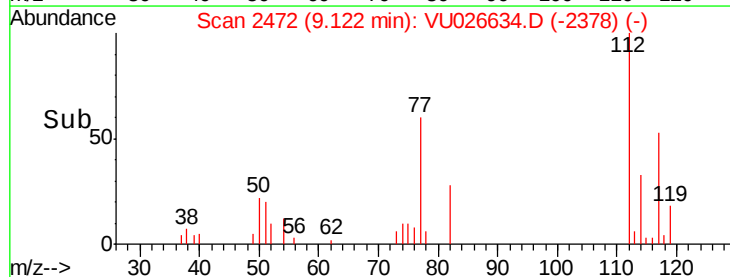
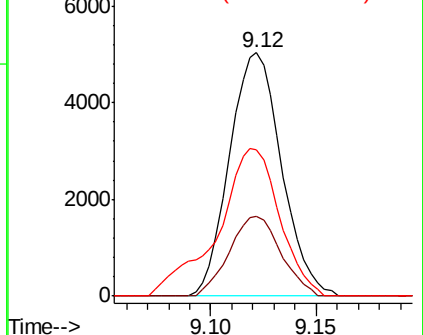


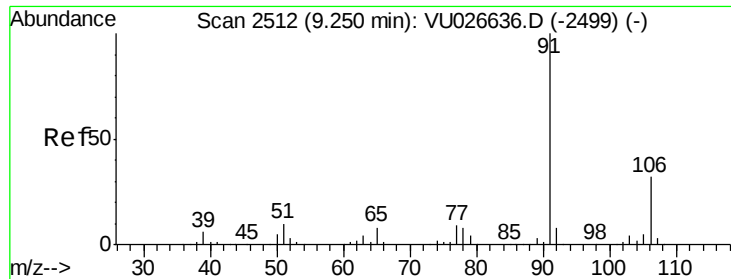
#51
 Chlorobenzene
 Concen: 3.782 ug/L
 RT: 9.12 min Scan# 2472
 Delta R.T. 0.00 min
 Lab File: VU026634.D
 Acq: 10 Sep 2018 08:09

Tgt Ion:112 Resp: 8624
 Ion Ratio Lower Upper
 112 100
 114 32.9 22.9 42.5
 77 60.0 47.2 70.8



Abundance Ion 112.00 (111.70 to 112.70): V
 Ion 114.00 (113.70 to 114.70): V
 Ion 77.00 (76.70 to 77.70): VU





#52

Ethylbenzene

Concen: 3.249 ug/L

RT: 9.25 min Scan# 2513

Delta R.T. 0.00 min

Lab File: VU026634.D

Acq: 10 Sep 2018 08:09

Instrument :

MSVOA_U

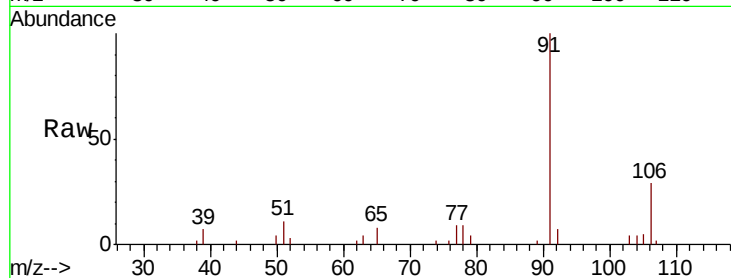
ClientSampleId :

Tot Ion: 91 Resp: 12204

Ion Ratio Lower Upper

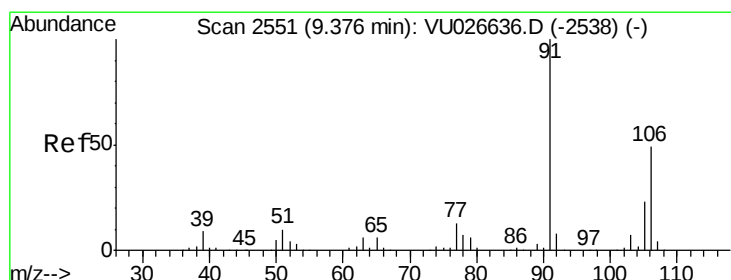
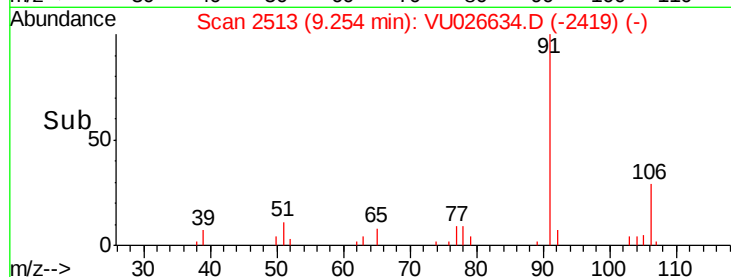
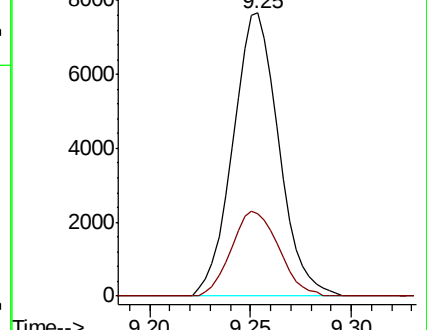
91 100

106 29.2 22.1 41.1



Abundance Ion 91.00 (90.70 to 91.70): VU026634.D (-2499) (-)

Ion 106.00 (105.70 to 106.70): VU026634.D (-2499) (-)



#53

m,p-Xylene

Concen: 3.122 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU026634.D

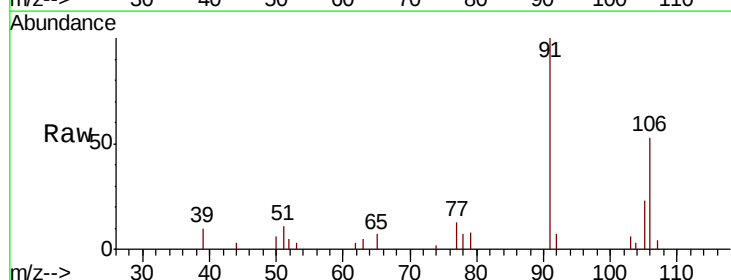
Acq: 10 Sep 2018 08:09

Tgt Ion: 106 Resp: 4421

Ion Ratio Lower Upper

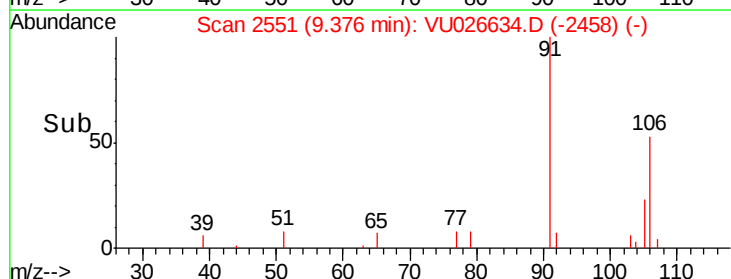
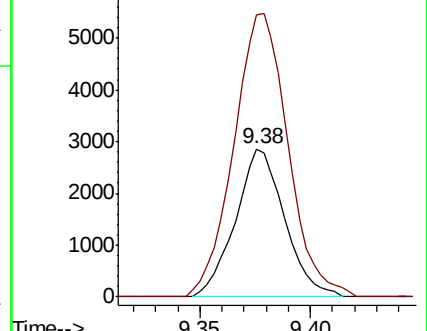
106 100

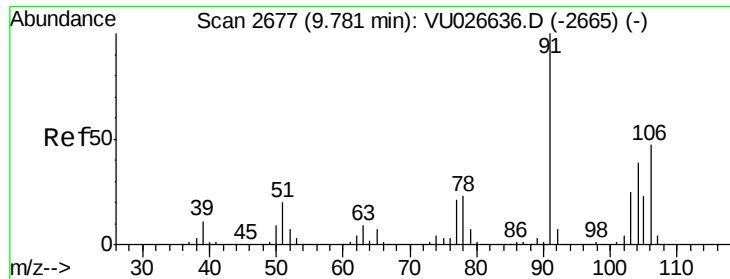
91 189.9 142.9 265.5



Abundance Ion 106.00 (105.70 to 106.70): VU026634.D (-2538) (-)

Ion 91.00 (90.70 to 91.70): VU026634.D (-2538) (-)

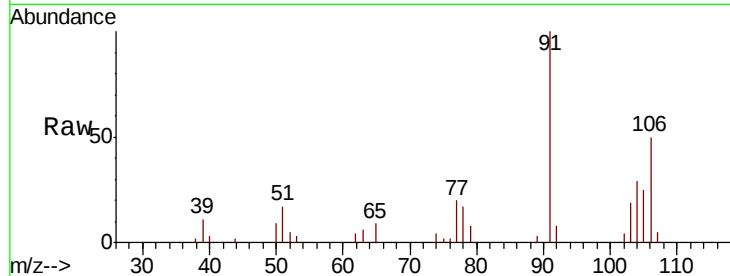




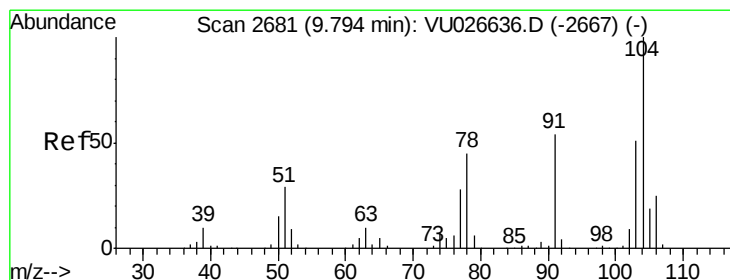
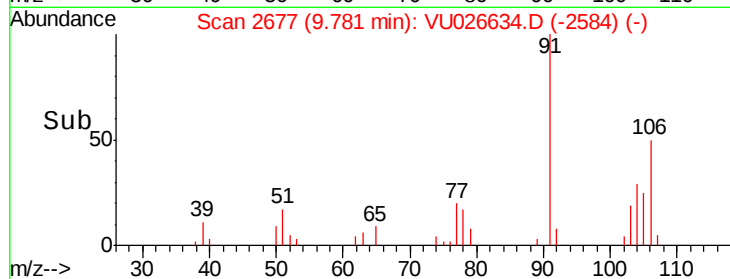
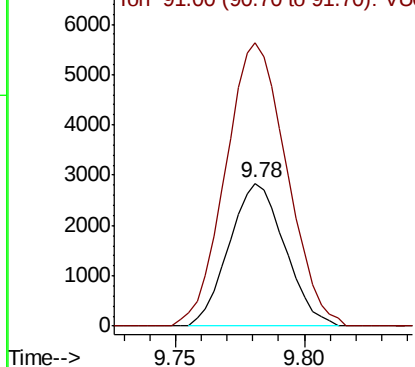
#54
o-xylene
Concen: 3.056 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU026634.D
Acq: 10 Sep 2018 08:09

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 4295
Ion Ratio Lower Upper
106 100
91 198.3 149.4 277.4

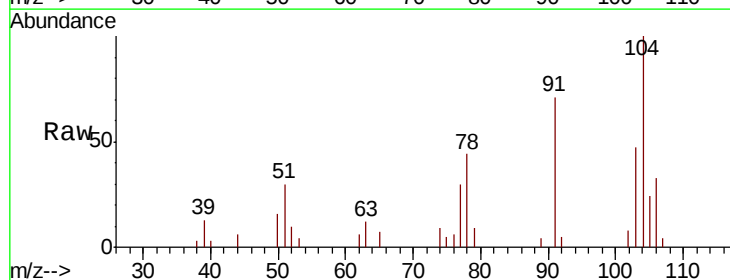


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

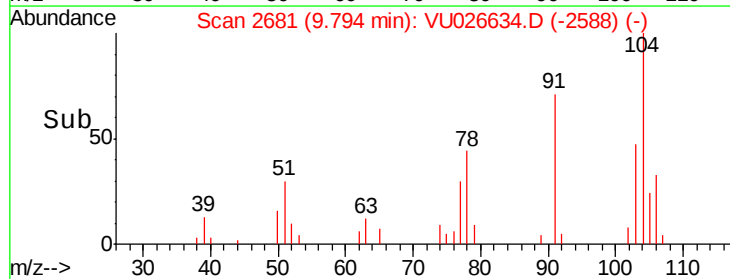
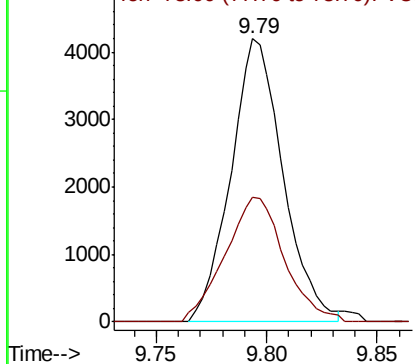


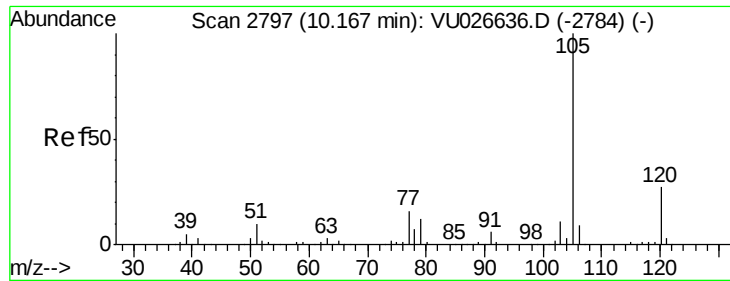
#55
Styrene
Concen: 2.902 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU026634.D
Acq: 10 Sep 2018 08:09

Tgt Ion:104 Resp: 6899
Ion Ratio Lower Upper
104 100
78 44.0 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: 3.034 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU026634.D

Acq: 10 Sep 2018 08:09

Instrument :

MSVOA_U

ClientSampleId :

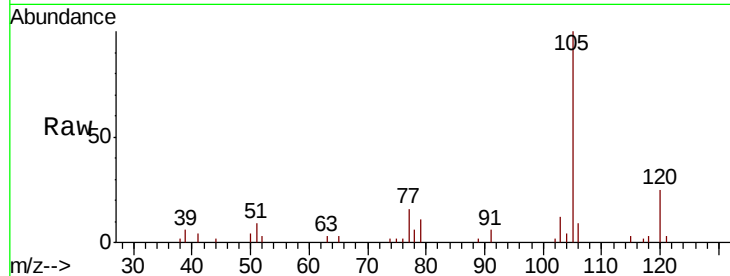
Tot Ion:105 Resp: 10862

Ion Ratio Lower Upper

105 100

120 25.2 21.5 32.3

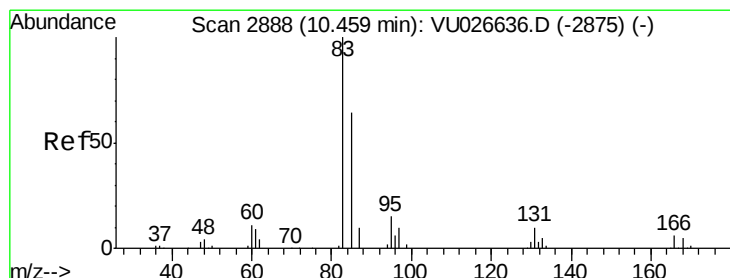
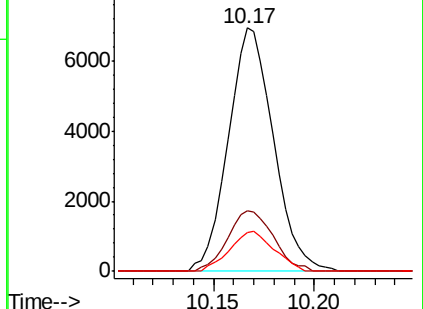
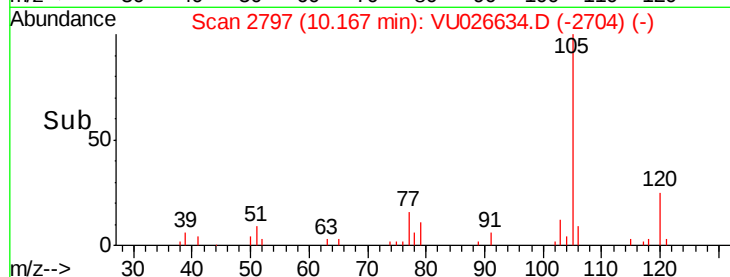
77 16.1 12.6 18.8



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: 3.797 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU026634.D

Acq: 10 Sep 2018 08:09

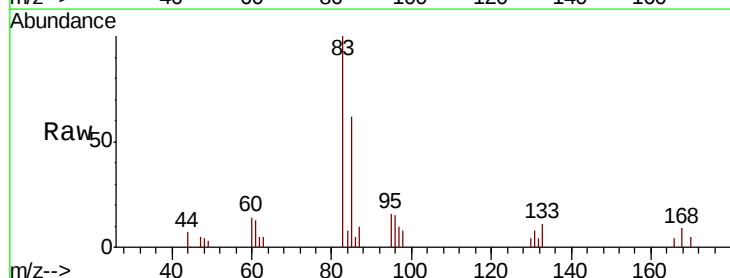
Tgt Ion: 83 Resp: 5461

Ion Ratio Lower Upper

83 100

85 61.9 45.4 84.2

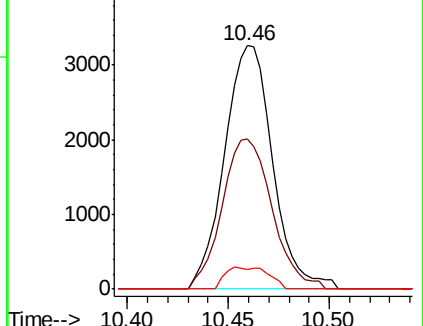
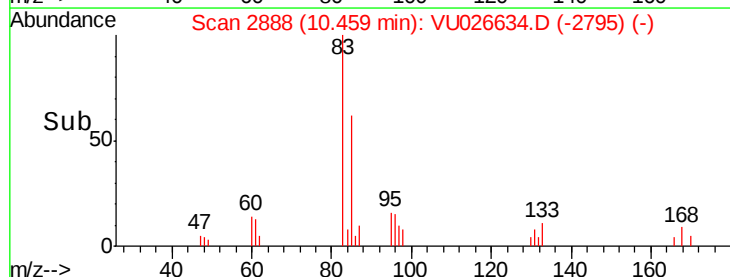
131 8.2 8.0 12.0

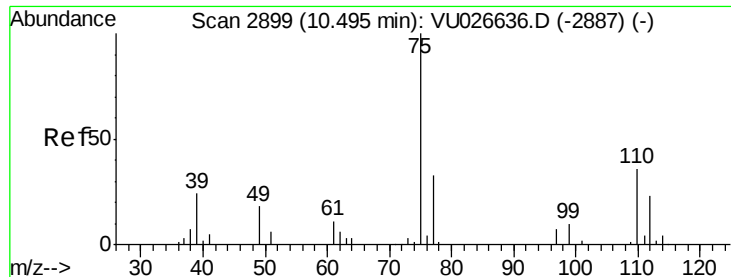


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 3.522 ug/L

RT: 10.50 min Scan# 2900

Delta R.T. 0.00 min

Lab File: VU026634.D

Acq: 10 Sep 2018 08:09

Instrument :

MSVOA_U

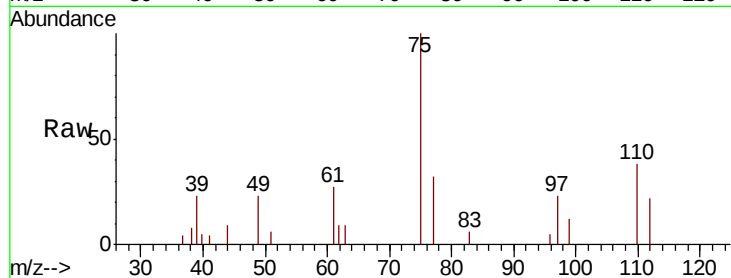
ClientSampleId :

Tot Ion: 75 Resp: 3901

Ion Ratio Lower Upper

75 100

77 31.1 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VU026636.D (-2887) (-)

Ion 77.00 (76.70 to 77.70): VU026636.D (-2887) (-)

10.50

2500

2000

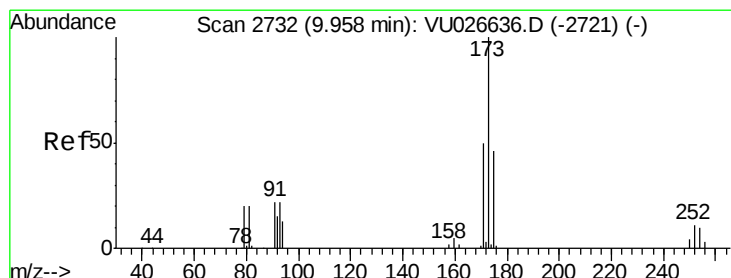
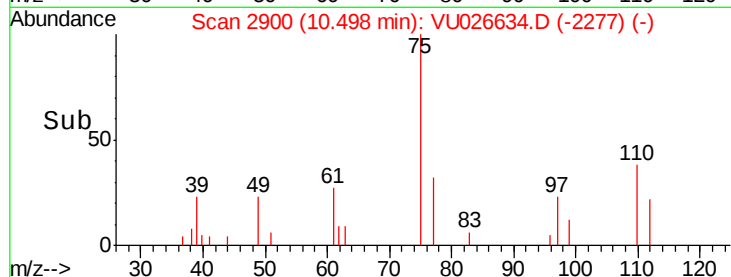
1500

1000

500

0

Time-->



#61

Bromoform

Concen: 3.974 ug/L

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026634.D

Acq: 10 Sep 2018 08:09

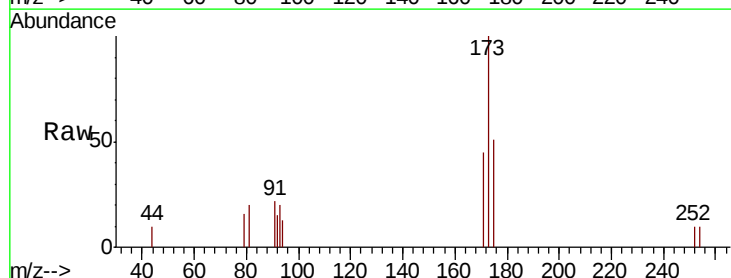
Tgt Ion: 173 Resp: 2654

Ion Ratio Lower Upper

173 100

175 51.6 38.2 57.4

254 7.4 8.2 12.4#



Abundance Ion 173.00 (172.70 to 173.70): VU026636.D (-2721) (-)

Ion 175.00 (174.70 to 175.70): VU026636.D (-2721) (-)

Ion 254.00 (253.70 to 254.70): VU026636.D (-2721) (-)

9.96

2000

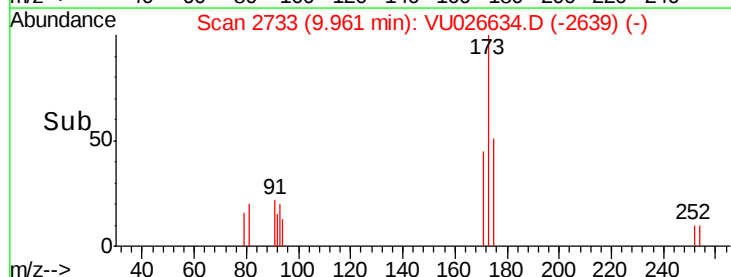
1500

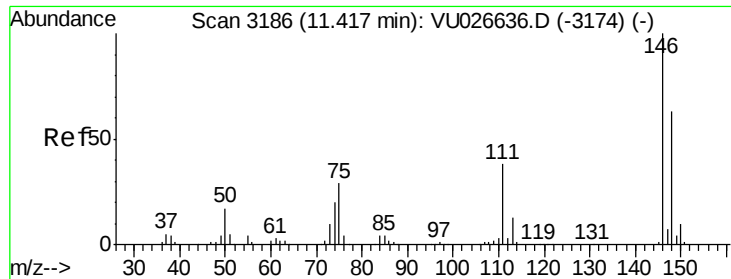
1000

500

0

Time-->

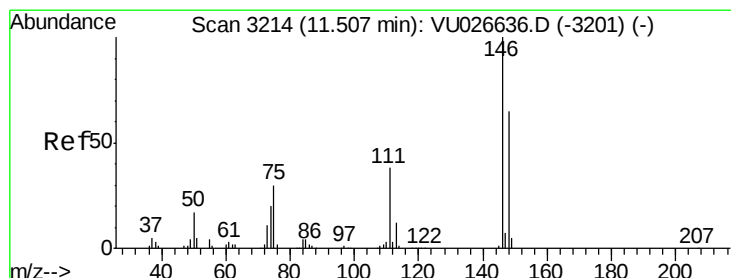
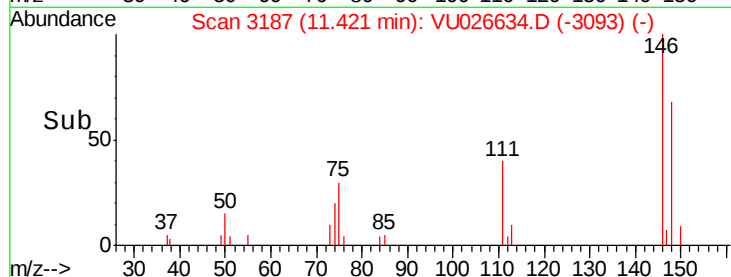
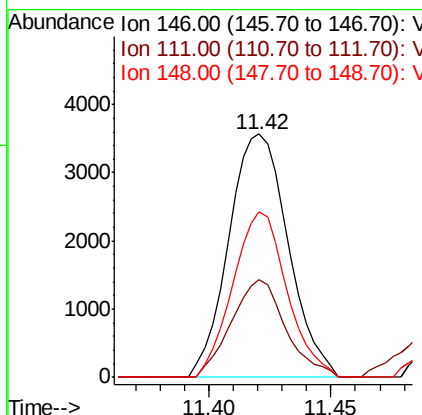
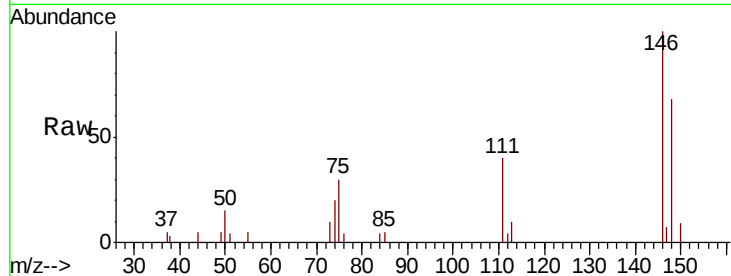




#62
 1,3-Dichlorobenzene
 Concen: 3.872 ug/L
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU026634.D
 Acq: 10 Sep 2018 08:09

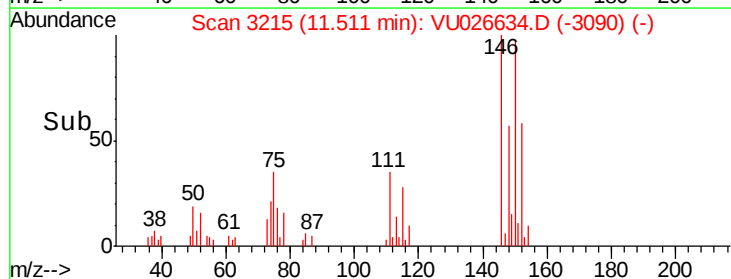
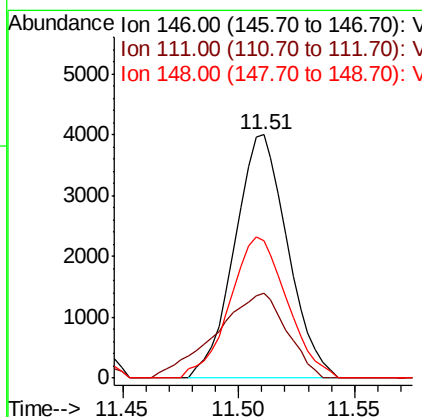
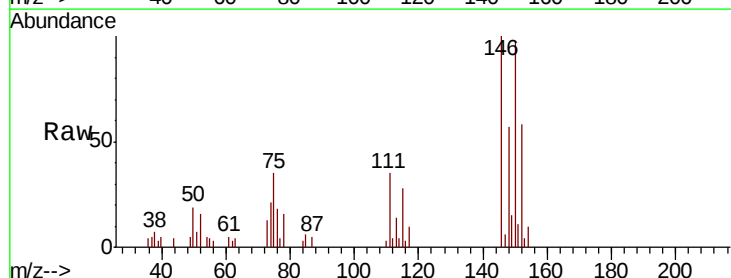
Instrument :
 MSVOA_U
 ClientSampleId :

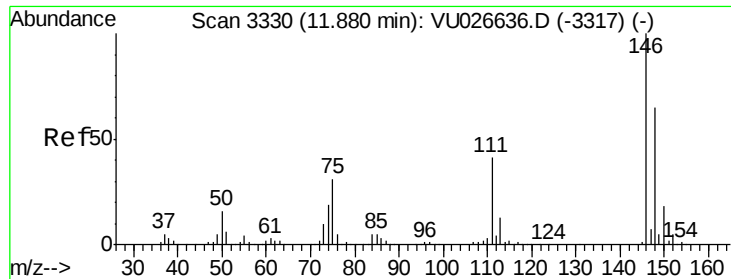
Tot Ion:146 Resp: 6026
 Ion Ratio Lower Upper
 146 100
 111 40.3 26.7 49.5
 148 68.0 44.2 82.2



#63
 1,4-Dichlorobenzene
 Concen: 3.863 ug/L
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU026634.D
 Acq: 10 Sep 2018 08:09

Tgt Ion:146 Resp: 6369
 Ion Ratio Lower Upper
 146 100
 111 34.9 26.5 49.3
 148 56.7 45.2 84.0





#65

1,2-Dichlorobenzene

Concen: 3.878 ug/L

RT: 11.88 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VU026634.D

Acq: 10 Sep 2018 08:09

Instrument :

MSVOA_U

ClientSampled :

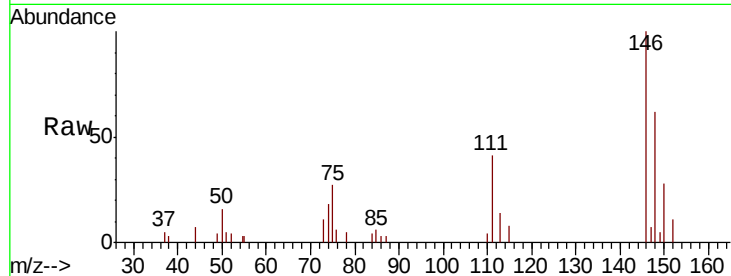
Tot Ion:146 Resp: 6379

Ion Ratio Lower Upper

146 100

111 41.4 32.8 49.2

148 61.8 52.2 78.4

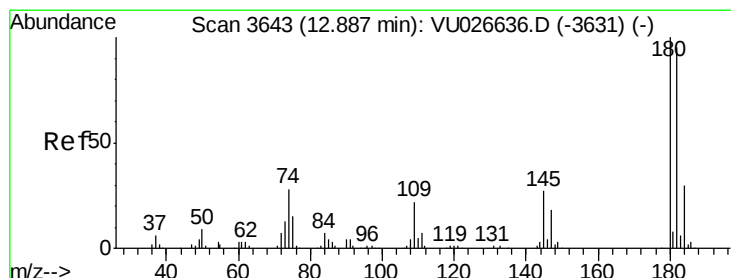
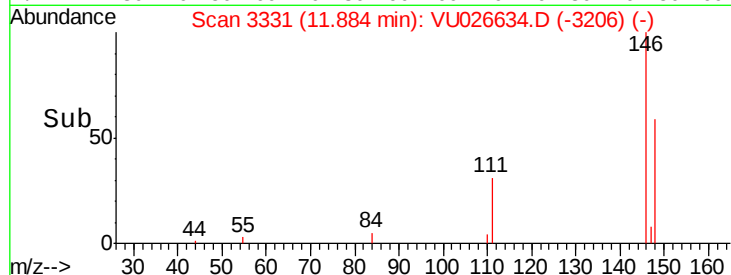
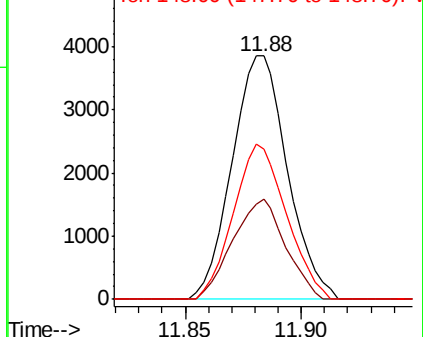


Abundance

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



#67

1,3,5-Trichlorobenzene

Concen: 3.639 ug/L

RT: 12.89 min Scan# 3644

Delta R.T. 0.00 min

Lab File: VU026634.D

Acq: 10 Sep 2018 08:09

Tgt Ion:180 Resp: 4493

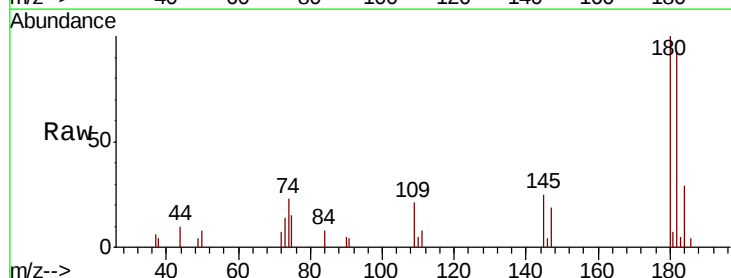
Ion Ratio Lower Upper

180 100

182 97.7 76.8 115.2

184 31.2 24.2 36.2

145 27.0 21.4 32.2



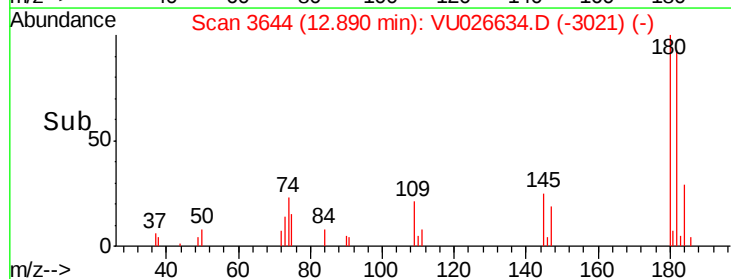
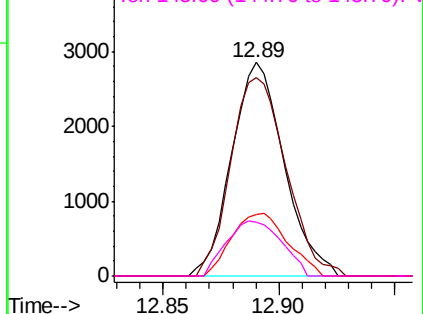
Abundance

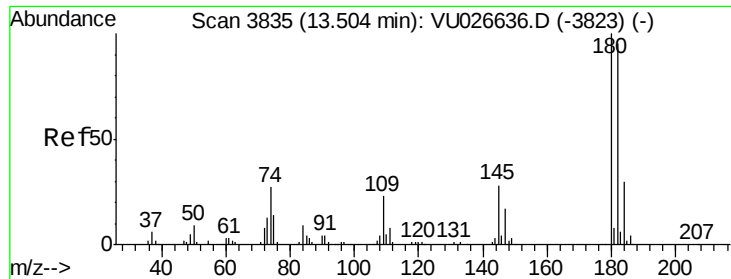
Ion 180.00 (179.70 to 180.70): V

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

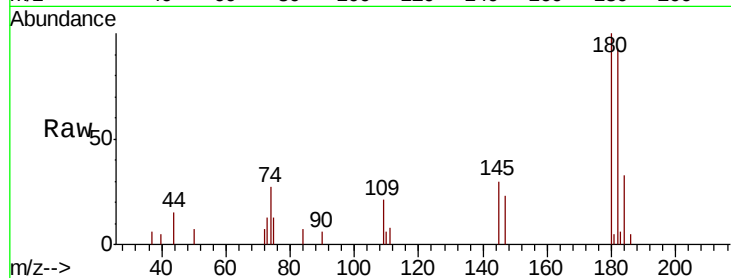




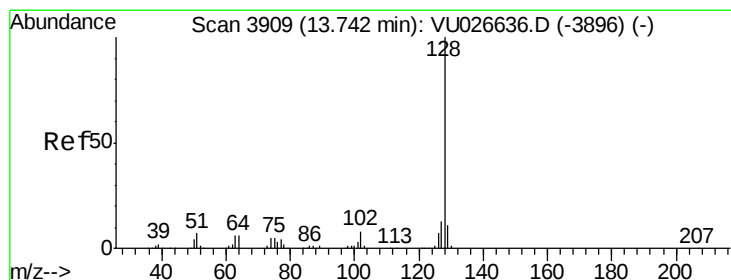
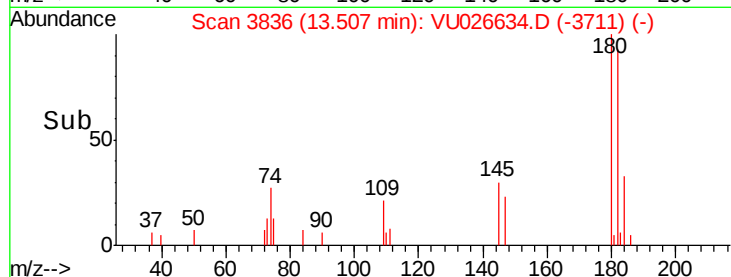
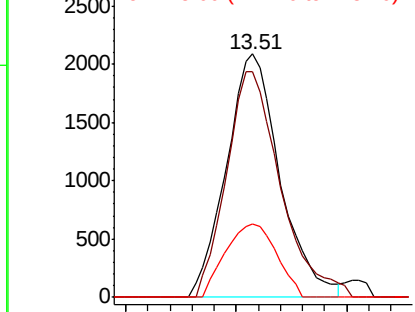
#68
 1,2,4-trichlorobenzene
 Concen: 3.277 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU026634.D
 Acq: 10 Sep 2018 08:09

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 3516
 Ion Ratio Lower Upper
 180 100
 182 93.5 76.0 114.0
 145 28.5 23.4 35.0

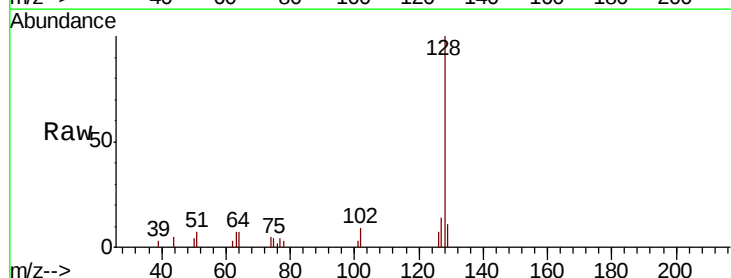


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

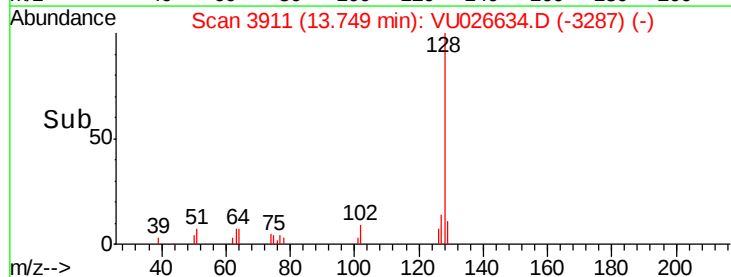
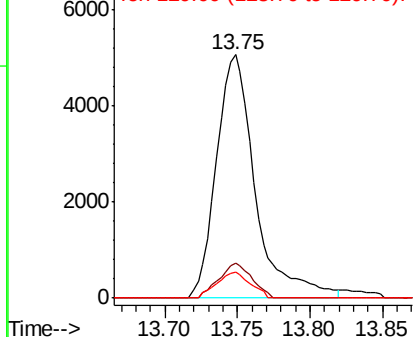


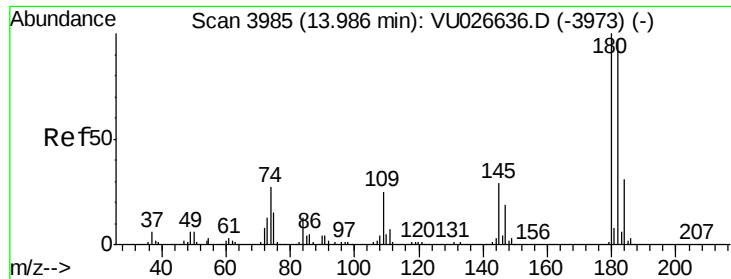
#69
 Naphthalene
 Concen: 2.870 ug/L
 RT: 13.75 min Scan# 3911
 Delta R.T. 0.01 min
 Lab File: VU026634.D
 Acq: 10 Sep 2018 08:09

Tgt Ion:128 Resp: 9437
 Ion Ratio Lower Upper
 128 100
 127 12.0 10.3 15.5
 129 9.2 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

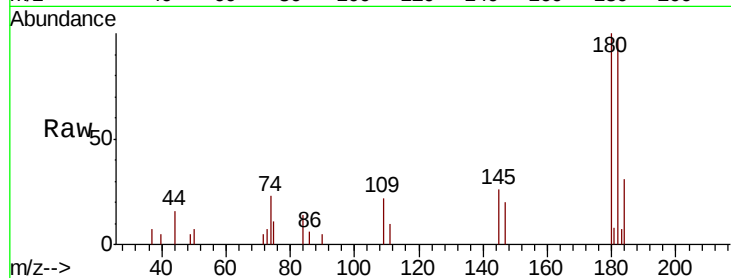




#70
 1,2,3-Trichlorobenzene
 Concen: 3.403 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU026634.D
 Acq: 10 Sep 2018 08:09

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	98.4	76.7	115.1	
145	27.3	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

