

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091618\
 Data File : VU026772.D
 Acq On : 15 Sep 2018 12:20
 Operator : MD/SY
 Sample : VSTD01043
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 17 04:17:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR091618WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Sep 17 04:13:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	133294	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	119794	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	65905	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	99258	6.11	ug/L	0.00
7) Chloroethane-d5	1.68	69	82951	6.71	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	191714	6.88	ug/L	0.00
20) 2-Butanone-d5	4.22	46	231046	74.98	ug/L	0.00
24) Chloroform-d	4.65	84	172059	8.80	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	87977	7.29	ug/L	0.00
32) Benzene-d6	5.34	84	343835	8.65	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	110436	8.42	ug/L	0.00
41) Toluene-d8	7.57	98	326950	8.86	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	41406	8.68	ug/L	0.00
46) 2-Hexanone-d5	8.32	63	187556	90.45	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	87073	8.54	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	123504	8.31	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	145211	11.055 ug/L	99
3) Chloromethane	1.33	50	145865	8.885 ug/L	99
5) Vinyl chloride	1.40	62	148369	8.974 ug/L	100
6) Bromomethane	1.63	94	77214	9.631 ug/L	97
8) Chloroethane	1.70	64	91216	9.233 ug/L	97
9) Trichlorofluoromethane	1.89	101	183387	9.233 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	107050	9.175 ug/L	99
12) 1,1-Dichloroethene	2.29	96	100091	9.378 ug/L	96
13) Acetone	2.35	43	188487	80.037 ug/L	99
14) Carbon disulfide	2.48	76	356502	9.116 ug/L	99
15) Methyl Acetate	2.63	43	49808	7.625 ug/L	98
16) Methylene chloride	2.70	84	108512	8.157 ug/L	100
17) Methyl tert-butyl Ether	3.01	73	242848	9.098 ug/L	100
18) trans-1,2-Dichloroethene	2.98	96	109542	9.321 ug/L	98
19) 1,1-Dichloroethane	3.45	63	209188	8.760 ug/L	100
21) 2-Butanone	4.30	43	328603	104.405 ug/L	99
22) cis-1,2-Dichloroethene	4.23	96	117644	9.719 ug/L	100
23) Bromochloromethane	4.55	128	49989	10.126 ug/L	95
25) Chloroform	4.67	83	196756	8.455 ug/L	99
27) 1,2-Dichloroethane	5.41	62	129046	9.796 ug/L	98
29) 1,1,1-Trichloroethane	4.91	97	170695	10.989 ug/L	100
30) Cyclohexane	4.99	56	192932	11.932 ug/L	100
31) Carbon tetrachloride	5.13	117	153690	11.018 ug/L	100
33) Benzene	5.39	78	444138	10.894 ug/L	100
34) Trichloroethene	6.18	95	113371	10.287 ug/L	99
35) Methylcyclohexane	6.41	83	192443	12.096 ug/L	99
37) 1,2-Dichloropropane	6.44	63	119792	10.683 ug/L	100
38) Bromodichloromethane	6.76	83	144971	10.948 ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	164063	11.407 ug/L	99
40) 4-Methyl-2-pentanone	7.48	43	740403	116.036 ug/L	99

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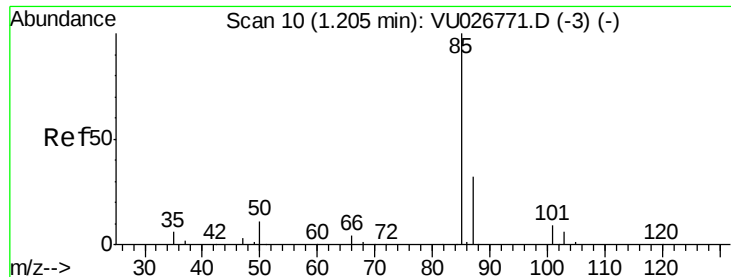
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 17 04:17:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR091618WMA.M
 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

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

42) Toluene	7.64	91	479288	11.582	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	134561	11.441	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	79849	11.206	ug/L	98
47) Tetrachloroethene	8.23	164	100362	11.899	ug/L	95
48) 2-Hexanone	8.38	43	541239	115.434	ug/L	99
49) Dibromochloromethane	8.48	129	100898	11.534	ug/L	97
50) 1,2-Dibromoethane	8.59	107	76476	11.370	ug/L	100
51) Chlorobenzene	9.12	112	301955	11.148	ug/L	99
52) Ethylbenzene	9.25	91	504492	11.585	ug/L	100
53) m,p-xylene	9.38	106	199243	12.265	ug/L	100
54) o-xylene	9.78	106	190505	12.400	ug/L	100
55) Styrene	9.79	104	347758	12.840	ug/L	99
56) Isopropylbenzene	10.17	105	502920	12.377	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	101303	10.879	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	71723	10.962	ug/L	100
61) Bromoform	9.96	173	58569	10.791	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	235081	10.812	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	252274	10.895	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	242861	11.208	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	15458	10.844	ug/L	92
67) 1,3,5-Trichlorobenzene	12.89	180	199790	10.927	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	164476	11.213	ug/L	98
69) Naphthalene	13.75	128	262092	11.924	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	165539	12.131	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 11.055 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU026772.D

Acq: 15 Sep 2018 12:20

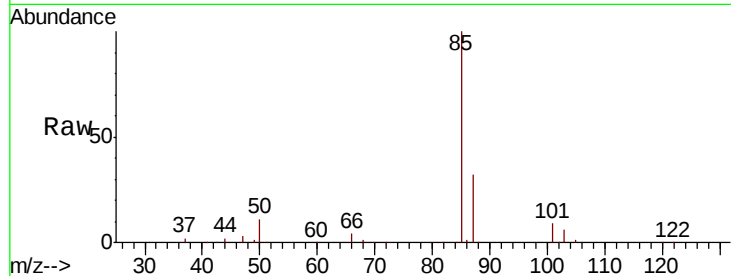
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 145211

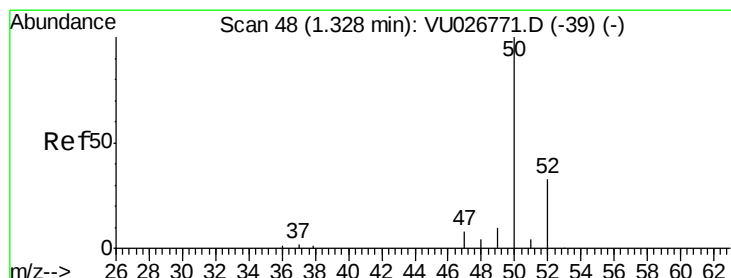
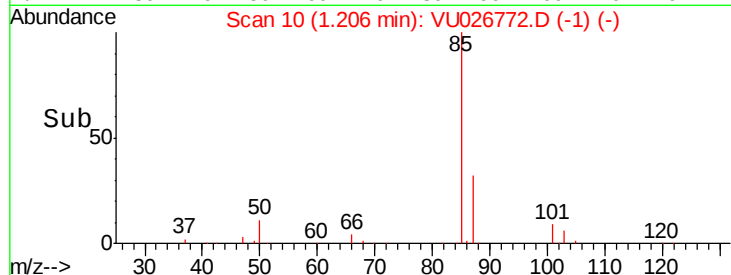
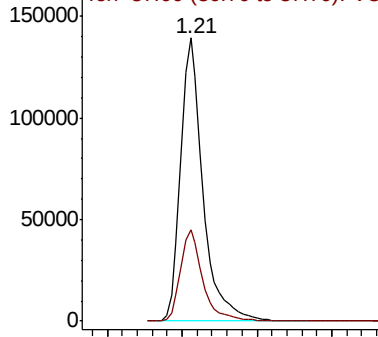
Ion Ratio Lower Upper

85 100

87 32.1 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU0
Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 8.885 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU026772.D

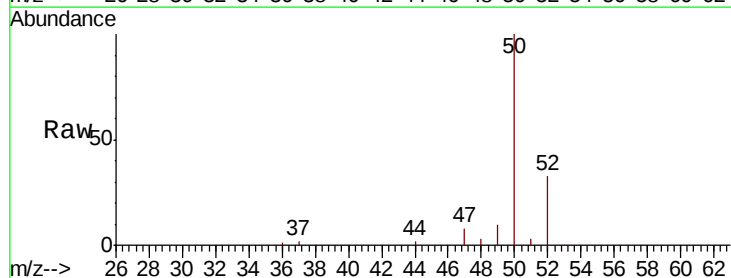
Acq: 15 Sep 2018 12:20

Tgt Ion: 50 Resp: 145865

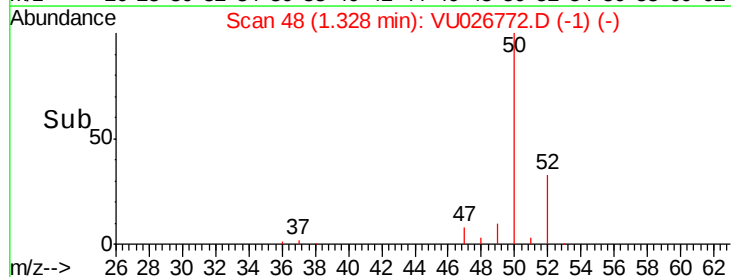
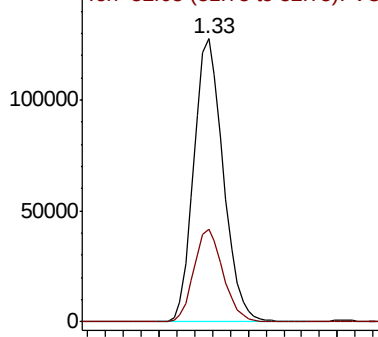
Ion Ratio Lower Upper

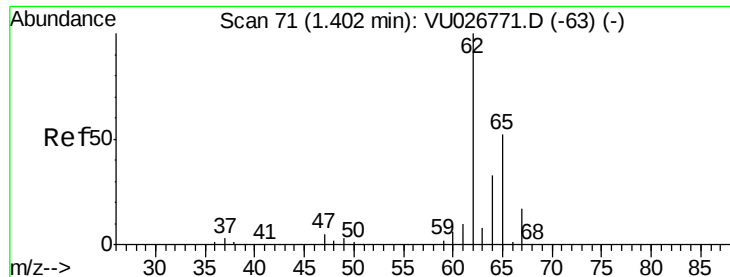
50 100

52 32.8 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU0
Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 8.974 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026772.D

Acq: 15 Sep 2018 12:20

Instrument :

MSVOA_U

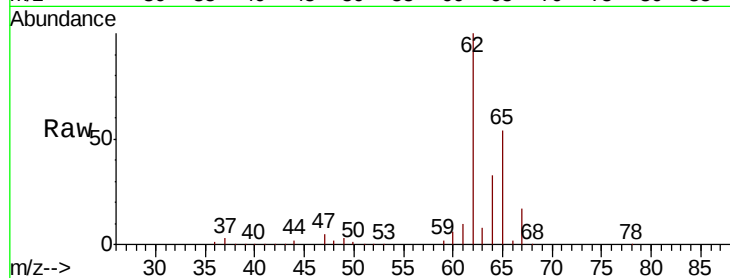
ClientSampleId :

Tot Ion: 62 Resp: 148369

Ion Ratio Lower Upper

62 100

64 32.5 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.40

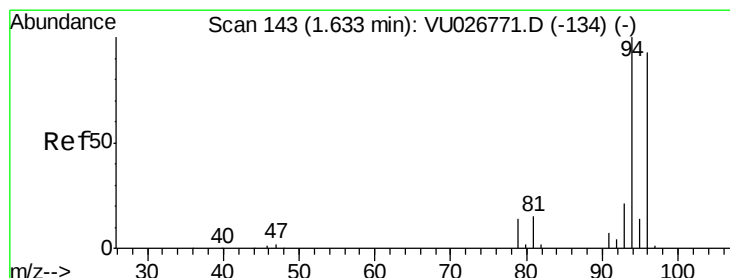
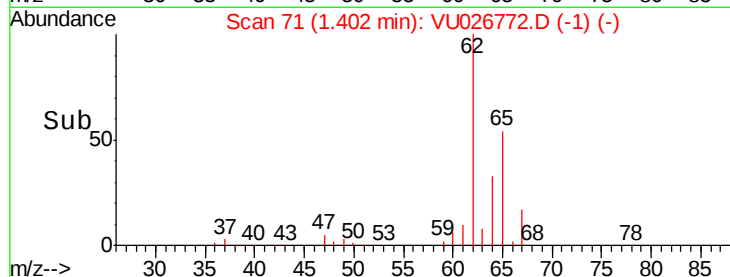
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 9.631 ug/L

RT: 1.63 min Scan# 143

Delta R.T. 0.00 min

Lab File: VU026772.D

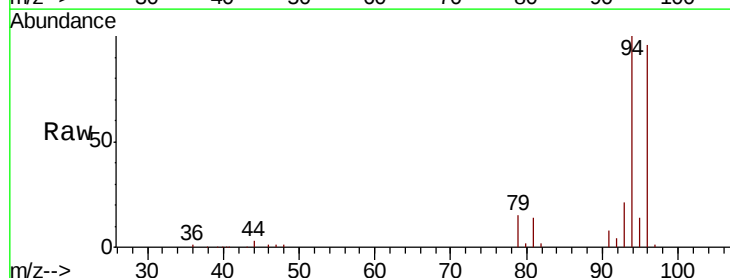
Acq: 15 Sep 2018 12:20

Tgt Ion: 94 Resp: 77214

Ion Ratio Lower Upper

94 100

96 95.7 64.8 120.4



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.63

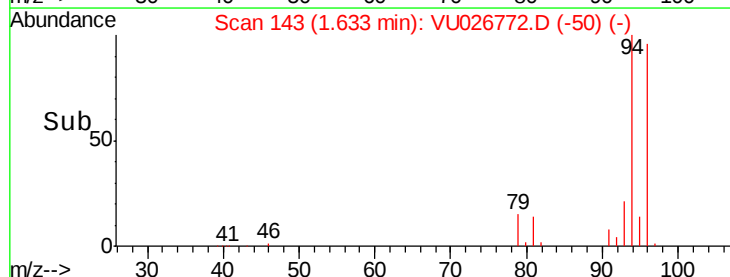
60000

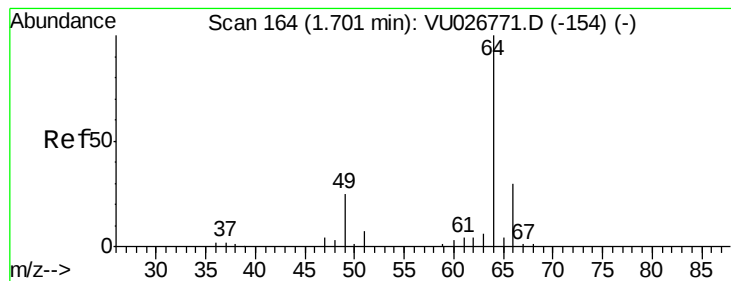
40000

20000

0

Time-->





#8

Chloroethane

Concen: 9.233 ug/L

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU026772.D

Acq: 15 Sep 2018 12:20

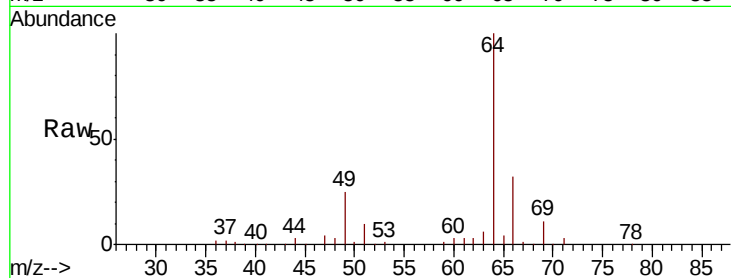
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 64 Resp: 91216

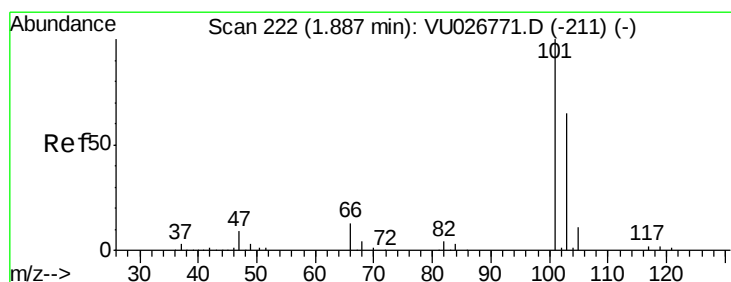
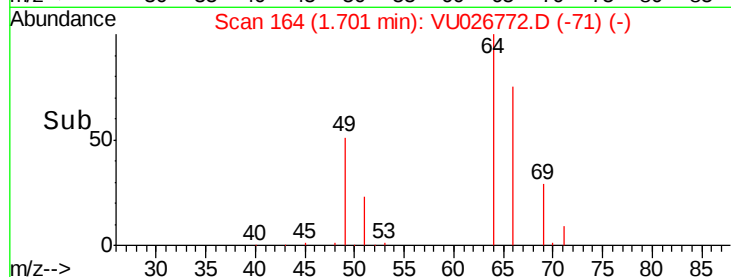
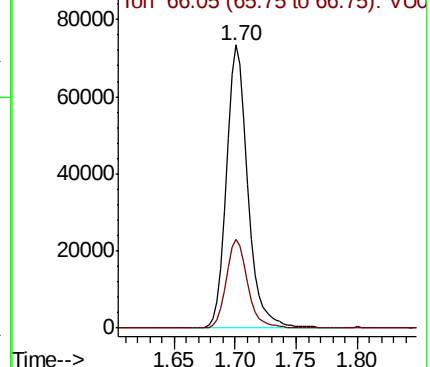
Ion Ratio Lower Upper

64 100

66 31.6 20.9 38.9



Abundance Ion 64.10 (63.80 to 64.80): VU026772.D (-154) (-)



#9

Trichlorofluoromethane

Concen: 9.233 ug/L

RT: 1.89 min Scan# 222

Delta R.T. 0.00 min

Lab File: VU026772.D

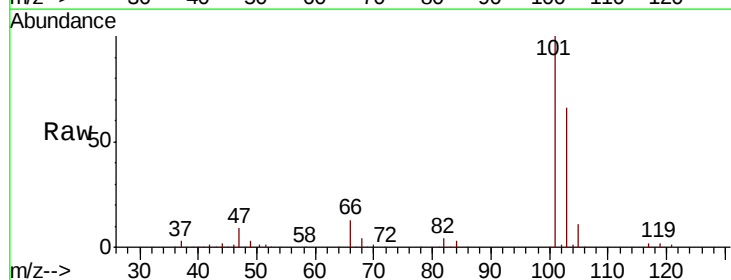
Acq: 15 Sep 2018 12:20

Tgt Ion:101 Resp: 183387

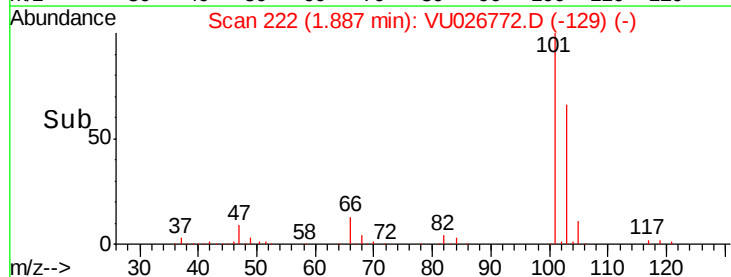
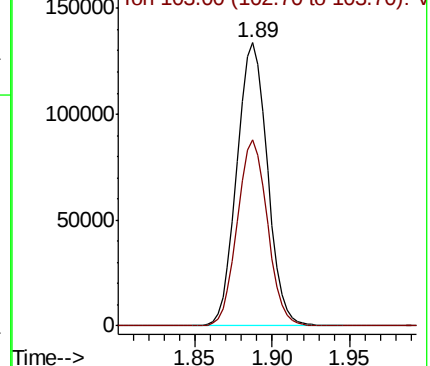
Ion Ratio Lower Upper

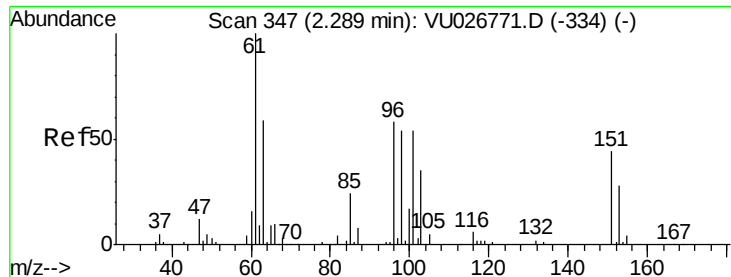
101 100

103 64.9 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VU026772.D (-211) (-)





#10

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

Concen: 9.175 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU026772.D

Acq: 15 Sep 2018 12:20

Instrument :

MSVOA_U

ClientSampleId :

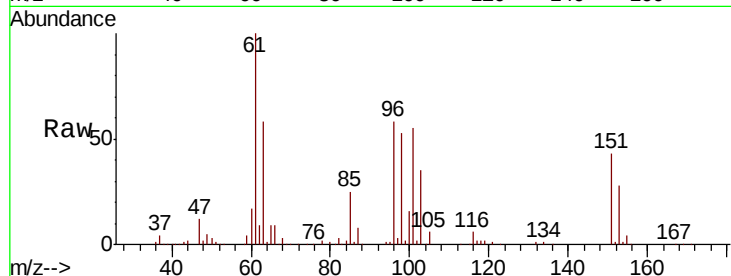
Tot Ion:101 Resp: 107050

Ion Ratio Lower Upper

101 100

85 44.4 35.1 52.7

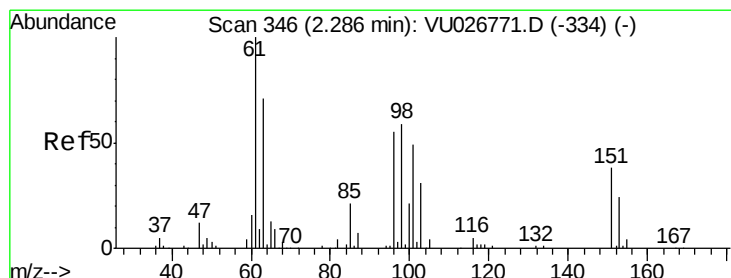
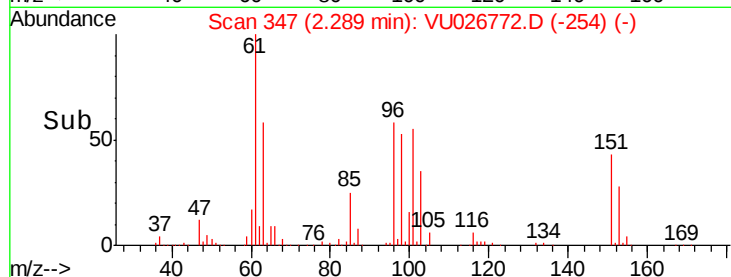
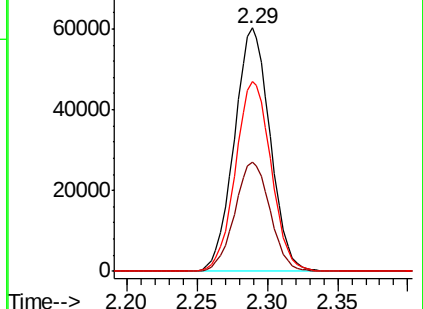
151 77.9 63.3 94.9



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: 9.378 ug/L

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU026772.D

Acq: 15 Sep 2018 12:20

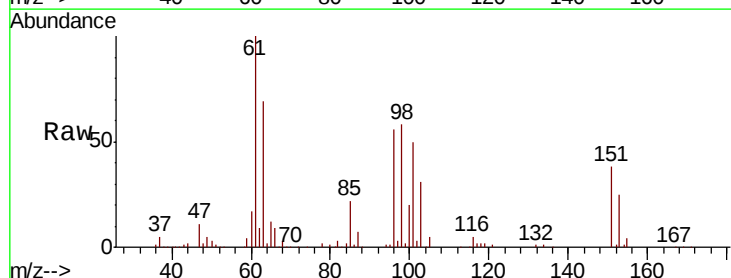
Tgt Ion: 96 Resp: 100091

Ion Ratio Lower Upper

96 100

61 178.0 126.6 235.2

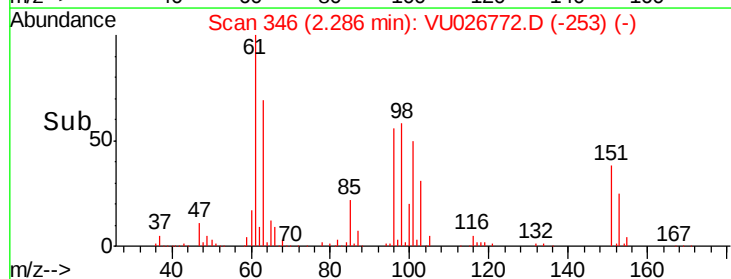
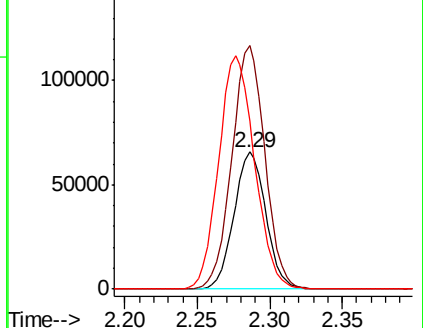
63 123.0 91.3 169.5

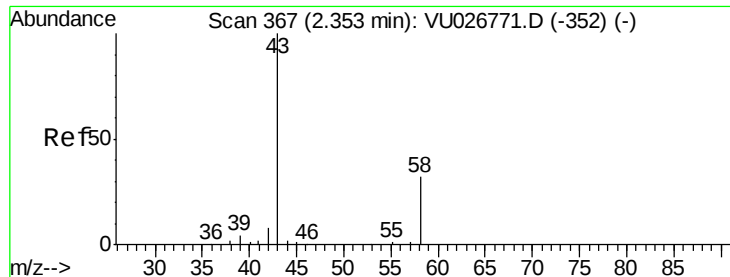


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 80.037 ug/L

RT: 2.35 min Scan# 365

Delta R.T. -0.01 min

Lab File: VU026772.D

Acq: 15 Sep 2018 12:20

Instrument :

MSVOA_U

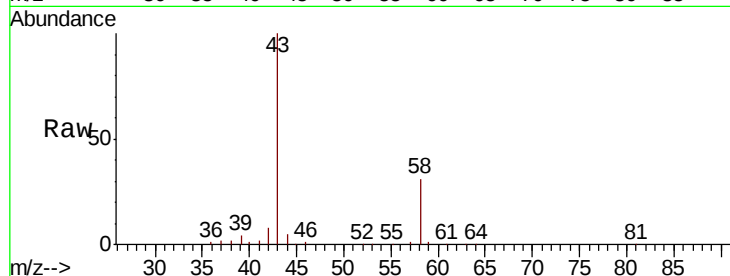
ClientSampleId :

Tot Ion: 43 Resp: 188487

Ion Ratio Lower Upper

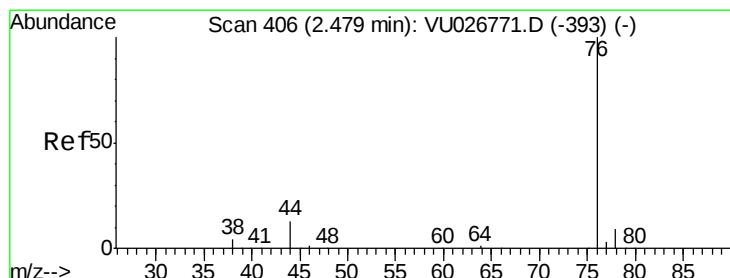
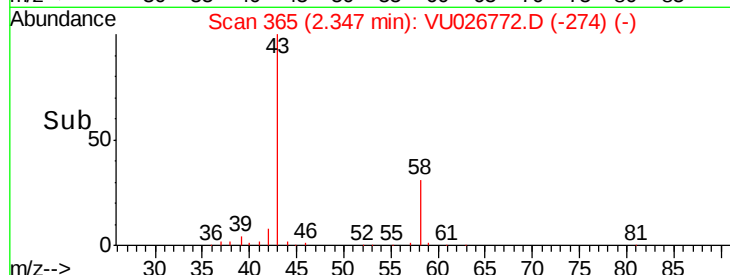
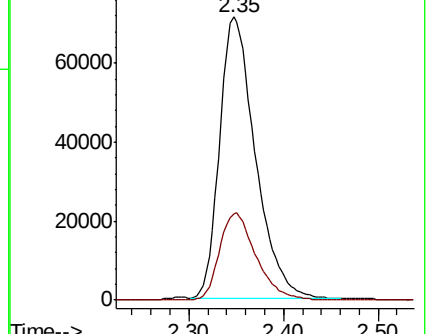
43 100

58 30.9 0.0 63.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 9.116 ug/L

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU026772.D

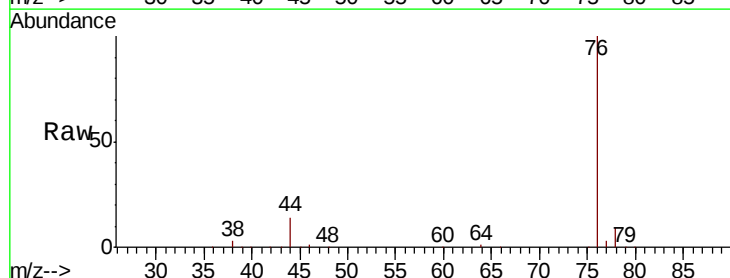
Acq: 15 Sep 2018 12:20

Tgt Ion: 76 Resp: 356502

Ion Ratio Lower Upper

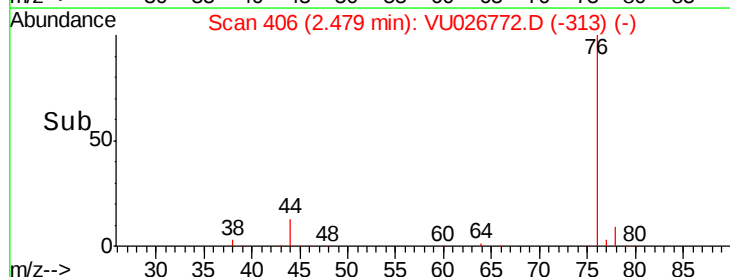
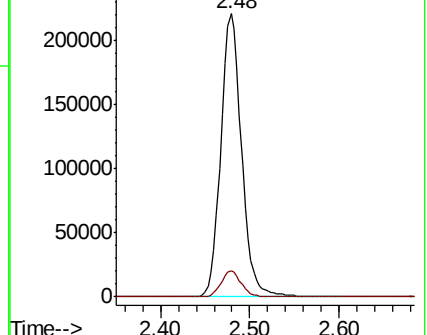
76 100

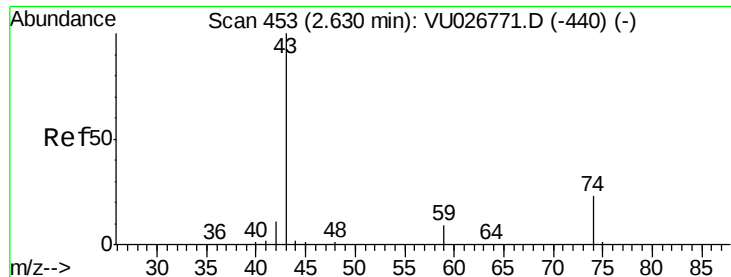
78 9.1 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methvl Acetate

Concen: 7.625 ug/L

RT: 2.63 min Scan# 452

Delta R.T. -0.00 min

Lab File: VU026772.D

Acq: 15 Sep 2018 12:20

Instrument :

MSVOA_U

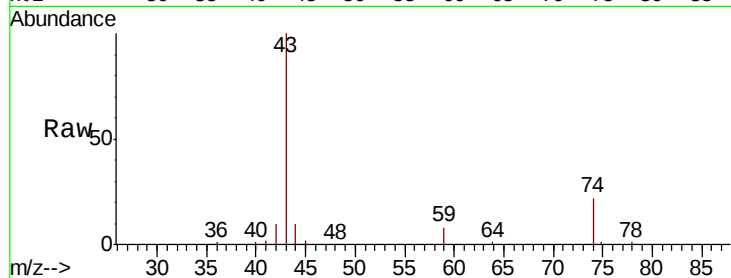
ClientSampleId :

Tot Ion: 43 Resp: 49808

Ion Ratio Lower Upper

43 100

74 22.1 18.5 27.7



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

2.63

25000

20000

15000

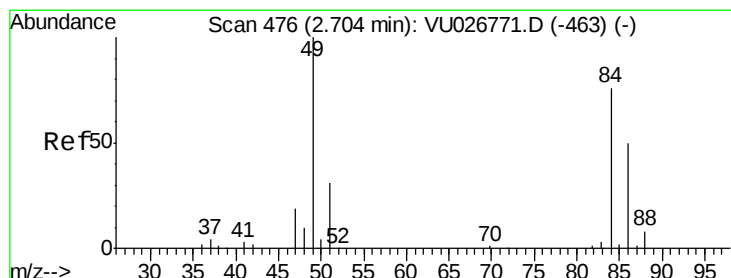
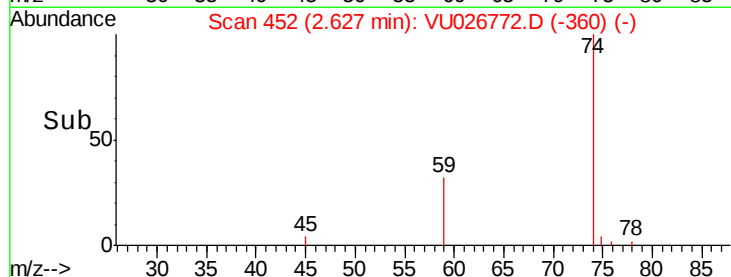
10000

5000

0

Time-->

2.55 2.60 2.65 2.70



#16

Methylene chloride

Concen: 8.157 ug/L

RT: 2.70 min Scan# 476

Delta R.T. 0.00 min

Lab File: VU026772.D

Acq: 15 Sep 2018 12:20

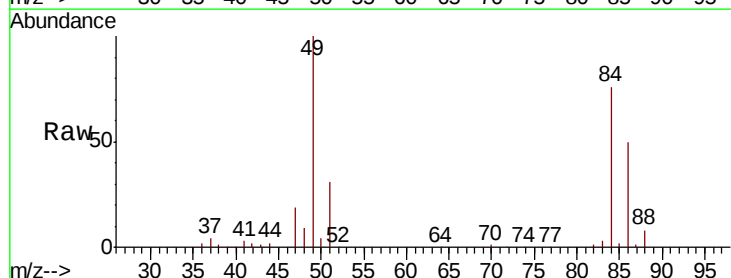
Tgt Ion: 84 Resp: 108512

Ion Ratio Lower Upper

84 100

86 65.8 46.1 85.5

49 131.4 92.1 171.1



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

100000

80000

60000

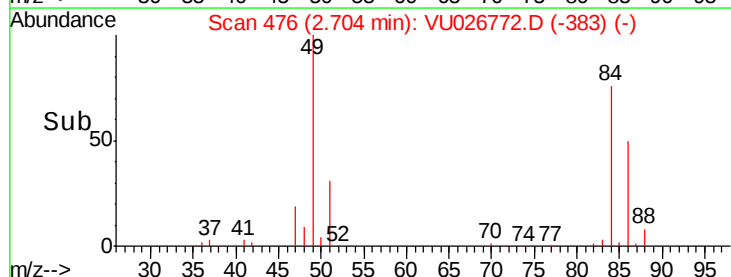
40000

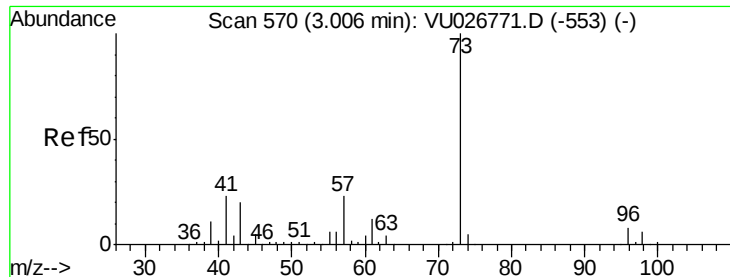
20000

0

Time-->

2.60 2.65 2.70 2.75 2.80



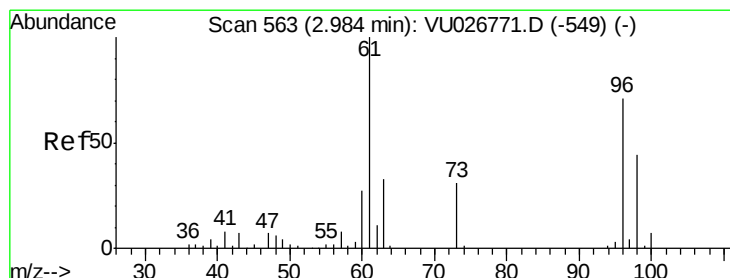
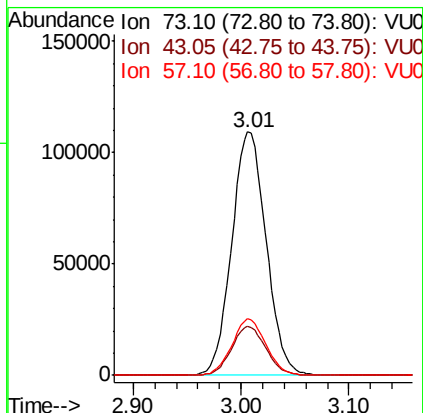
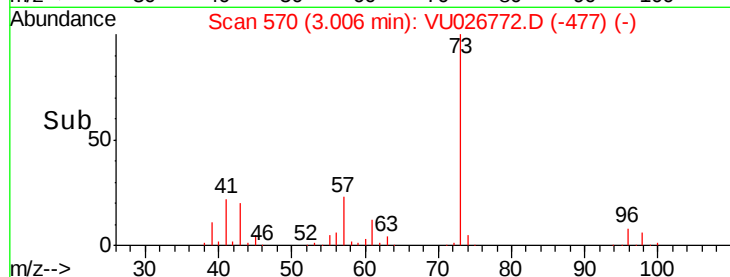
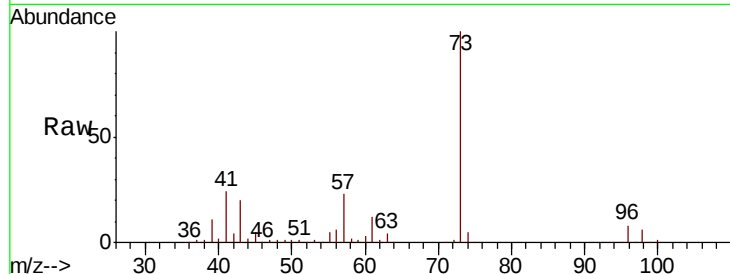


#17

Methvl tert-butvl Ether
 Concen: 9.098 ug/L
 RT: 3.01 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VU026772.D
 Acq: 15 Sep 2018 12:20

Instrument :
 MSVOA_U
 ClientSampled :

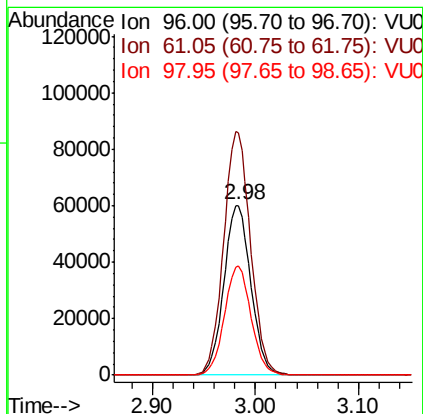
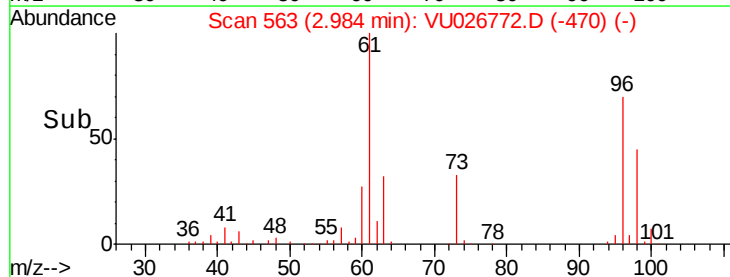
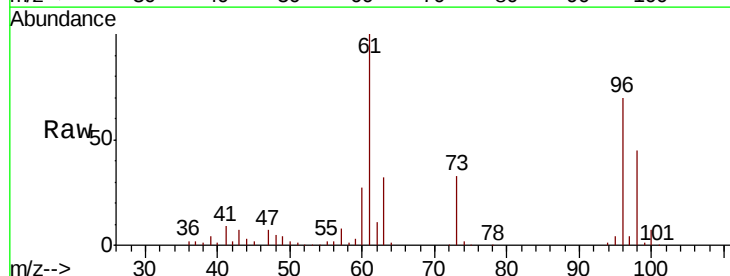
Tot Ion	Ratio	Lower	Upper
73	100		
43	20.1	16.0	24.0
57	22.9	18.2	27.4

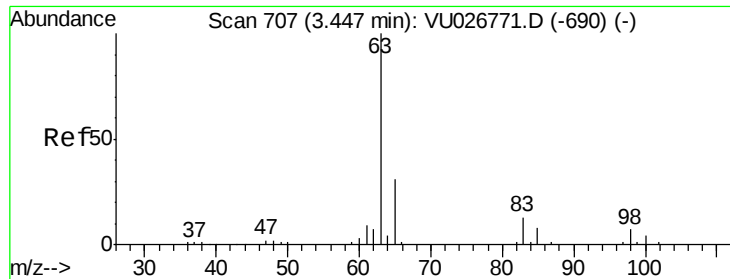


#18

trans-1,2-Dichloroethene
 Concen: 9.321 ug/L
 RT: 2.98 min Scan# 563
 Delta R.T. 0.00 min
 Lab File: VU026772.D
 Acq: 15 Sep 2018 12:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.0	99.0	183.8
98	64.6	43.1	80.1

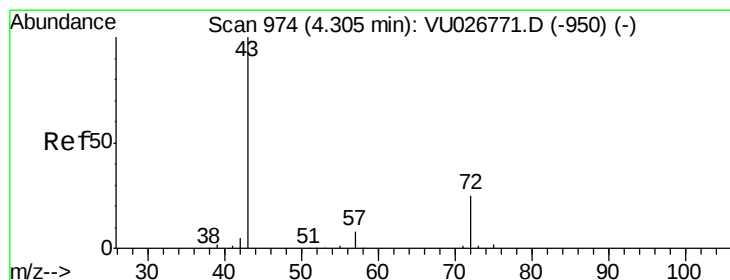
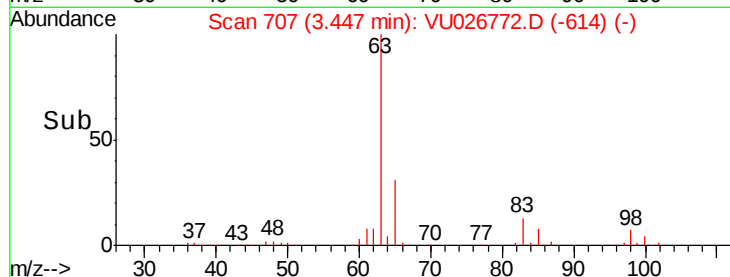
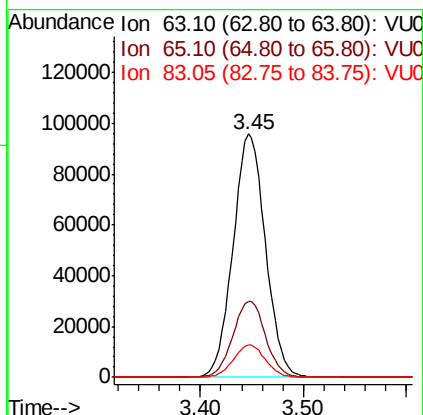
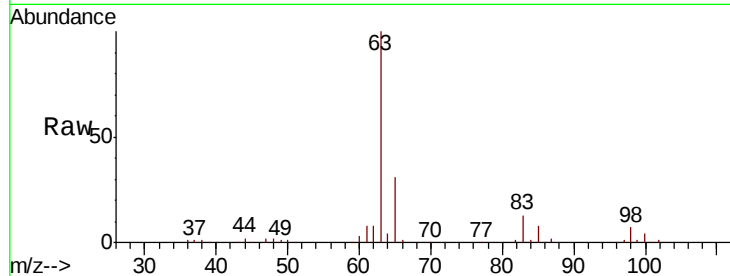




#19
 1,1-Dichloroethane
 Concen: 8.760 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VU026772.D
 Acq: 15 Sep 2018 12:20

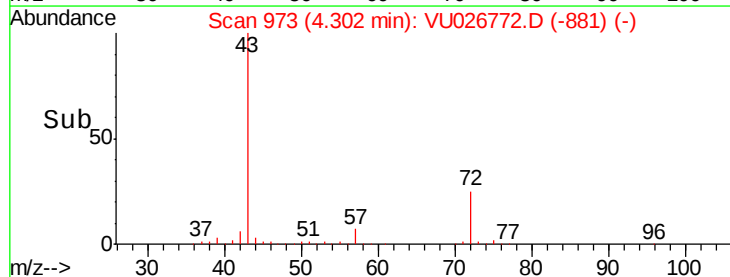
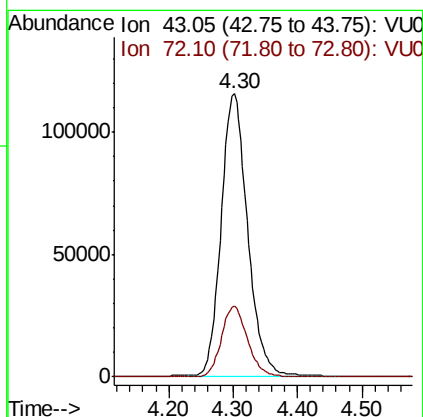
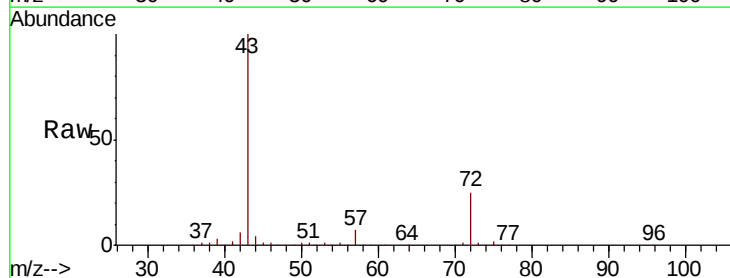
Instrument :
 MSVOA_U
 ClientSampleId :

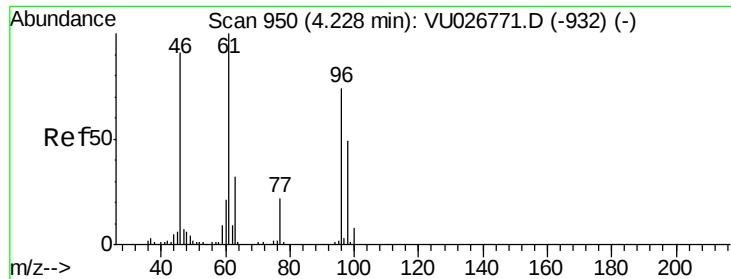
Tot Ion: 63 Resp: 209188
 Ion Ratio Lower Upper
 63 100
 65 31.2 21.7 40.3
 83 13.1 9.0 16.6



#21
 2-Butanone
 Concen: 104.405 ug/L
 RT: 4.30 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU026772.D
 Acq: 15 Sep 2018 12:20

Tgt Ion: 43 Resp: 328603
 Ion Ratio Lower Upper
 43 100
 72 24.7 12.6 37.8



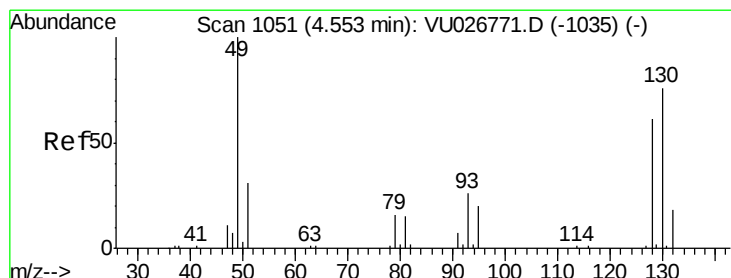
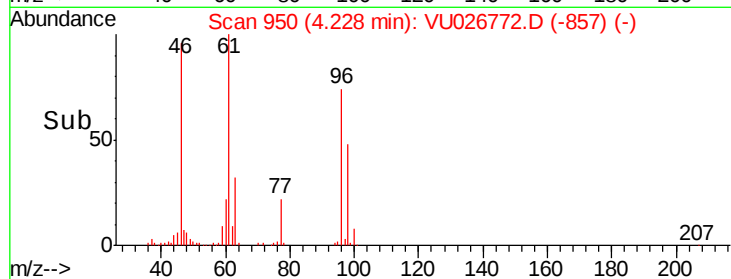
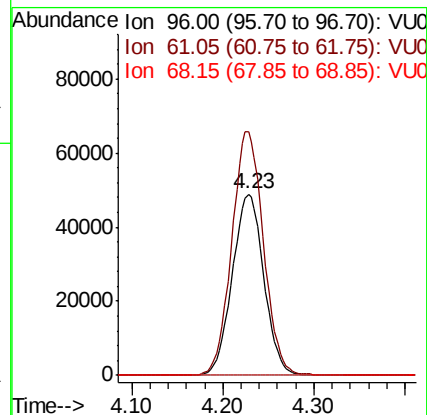
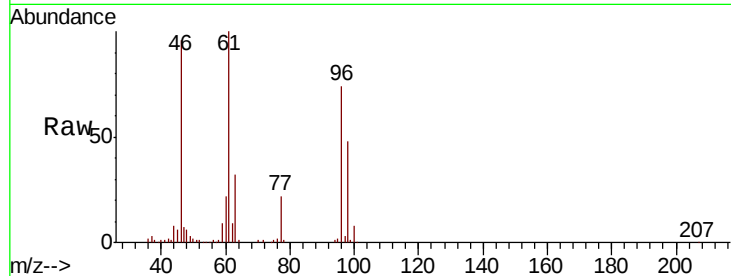


#22

cis-1,2-Dichloroethene
 Concen: 9.719 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU026772.D
 Acq: 15 Sep 2018 12:20

Instrument :
 MSVOA_U
 ClientSampleId :

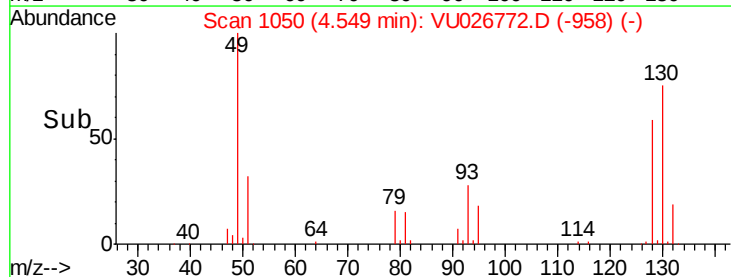
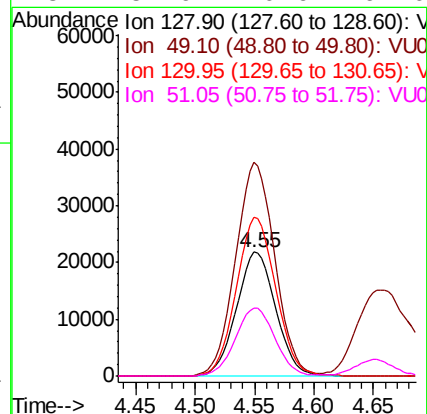
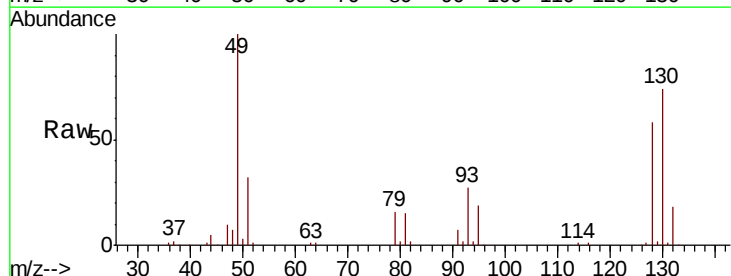
Tot Ion: 96 Resp: 117644
 Ion Ratio Lower Upper
 96 100
 61 134.4 94.4 175.2
 68 0.0 0.0 0.0

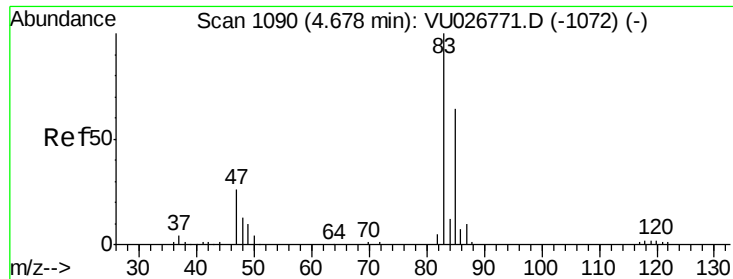


#23

Bromochloromethane
 Concen: 10.126 ug/L
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU026772.D
 Acq: 15 Sep 2018 12:20

Tgt Ion: 128 Resp: 49989
 Ion Ratio Lower Upper
 128 100
 49 172.6 115.0 213.6
 130 127.8 87.2 161.9
 51 54.9 40.6 61.0

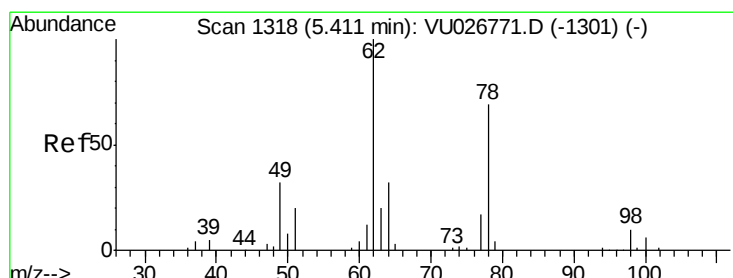
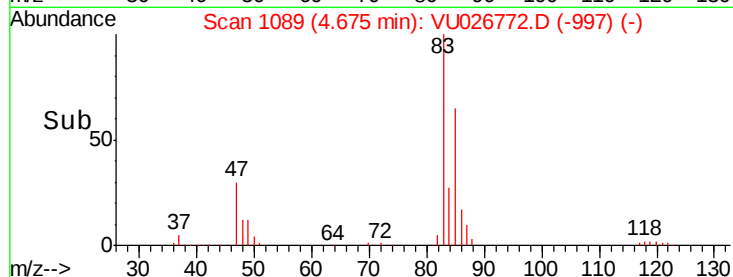
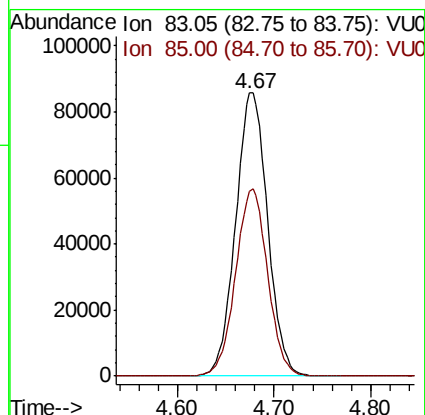
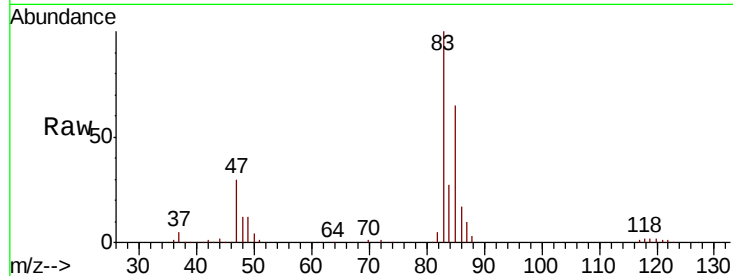




#25
Chloroform
Concen: 8.455 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU026772.D
Acq: 15 Sep 2018 12:20

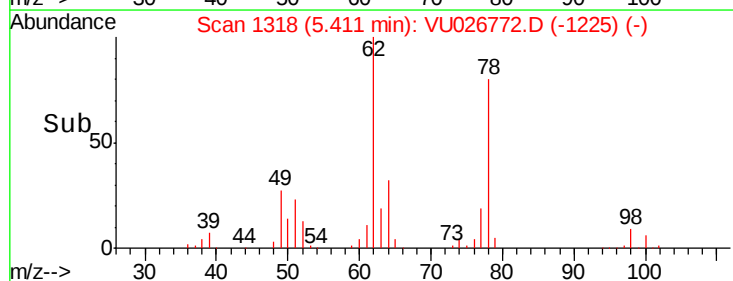
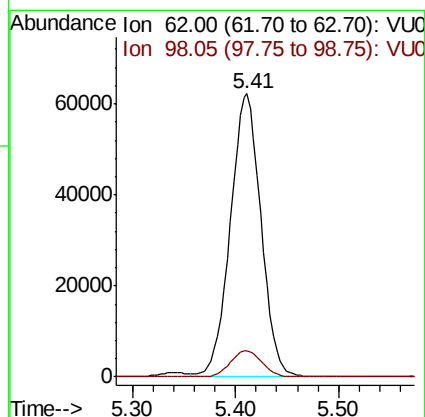
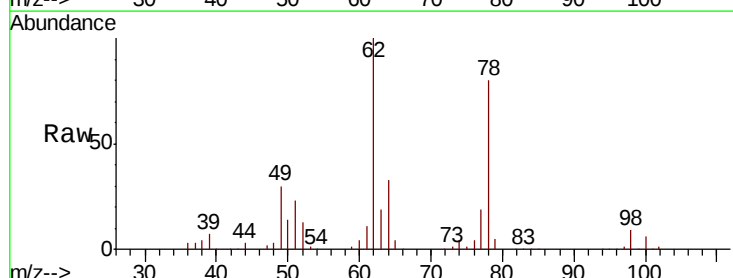
Instrument :
MSVOA_U
ClientSampled :

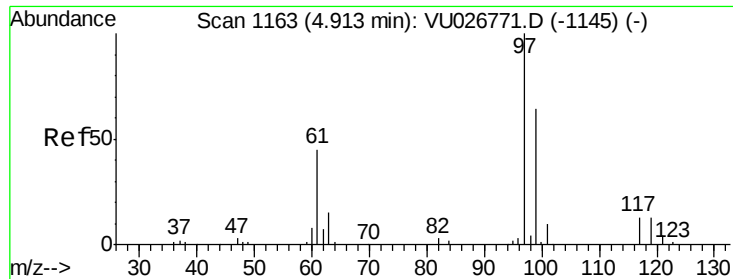
Tot Ion: 83 Resp: 196756
Ion Ratio Lower Upper
83 100
85 65.1 44.8 83.2



#27
1,2-Dichloroethane
Concen: 9.796 ug/L
RT: 5.41 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VU026772.D
Acq: 15 Sep 2018 12:20

Tgt Ion: 62 Resp: 129046
Ion Ratio Lower Upper
62 100
98 9.0 7.8 11.8

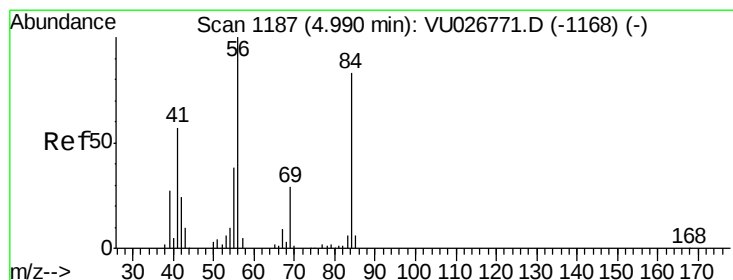
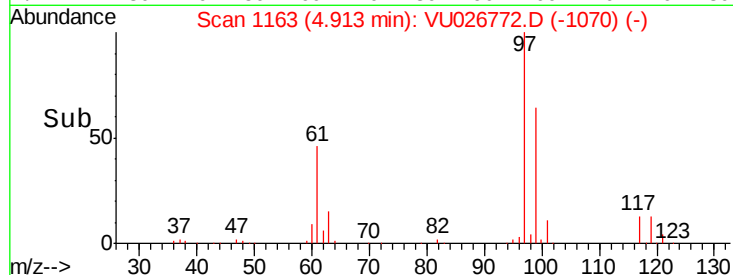
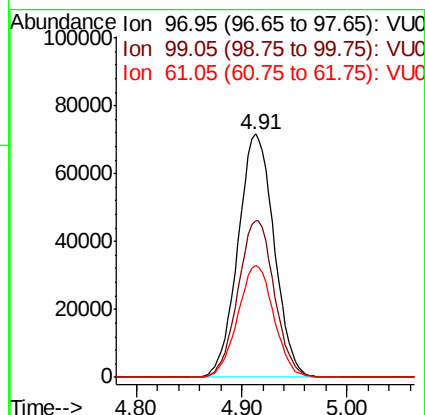
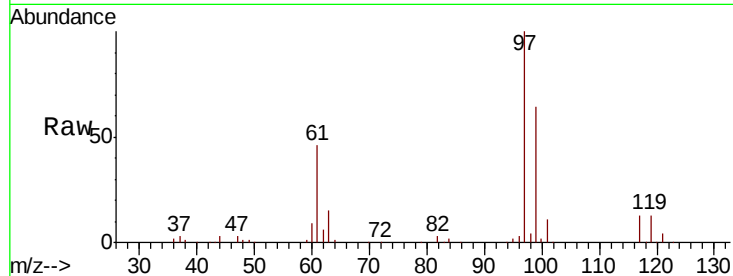




#29
 1,1,1-Trichloroethane
 Concen: 10.989 ug/L
 RT: 4.91 min Scan# 1163
 Delta R.T. 0.00 min
 Lab File: VU026772.D
 Acq: 15 Sep 2018 12:20

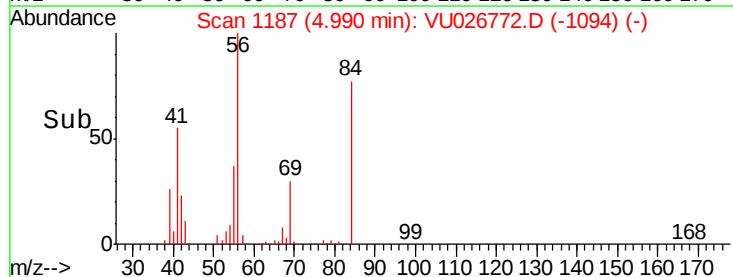
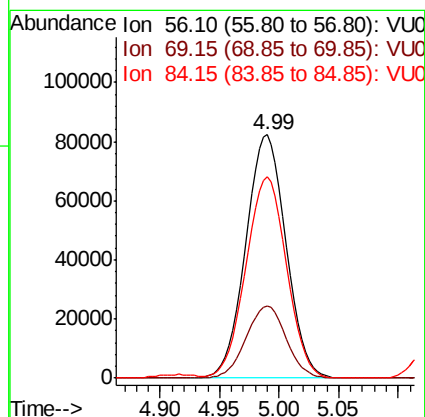
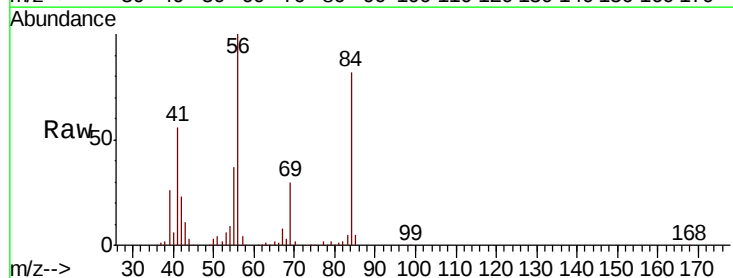
Instrument :
 MSVOA_U
 ClientSampleId :

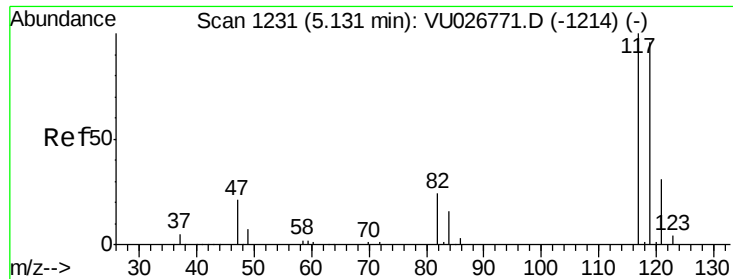
Tot Ion	97	Resp	170695
Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.5	77.3
61	46.0	36.6	54.8



#30
 Cyclohexane
 Concen: 11.932 ug/L
 RT: 4.99 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VU026772.D
 Acq: 15 Sep 2018 12:20

Tgt Ion	56	Resp	192932
Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.9	35.9
84	83.6	66.6	100.0





#31

Carbon tetrachloride

Concen: 11.018 ug/L

RT: 5.13 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VU026772.D

Acq: 15 Sep 2018 12:20

Instrument :

MSVOA_U

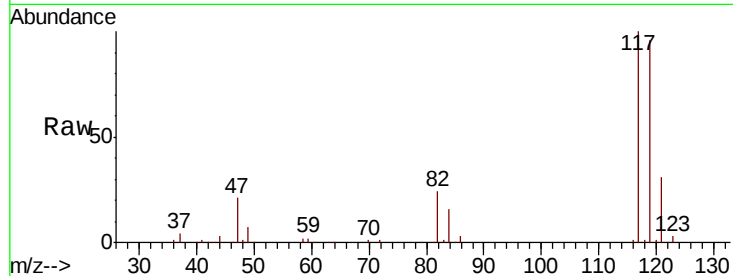
ClientSampleId :

Tot Ion:117 Resp: 153690

Ion Ratio Lower Upper

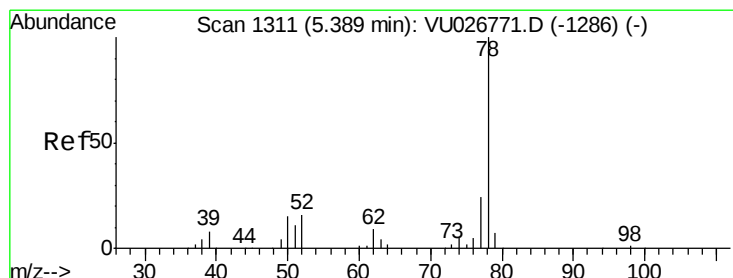
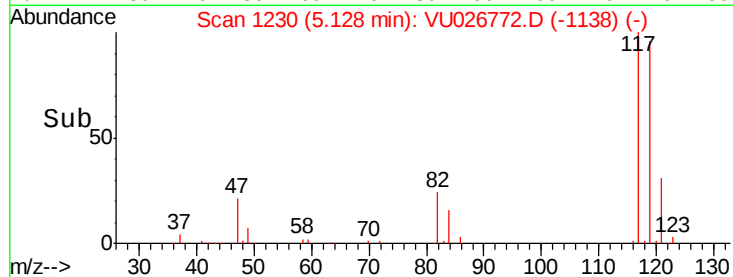
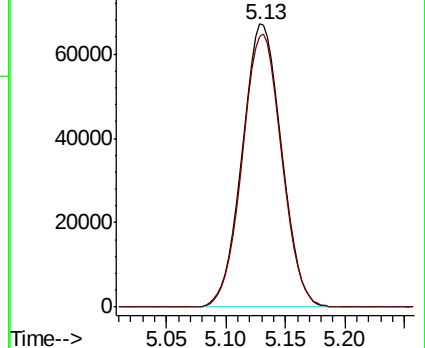
117 100

119 96.5 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 10.894 ug/L

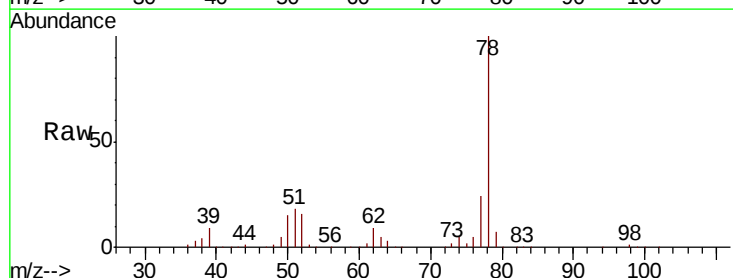
RT: 5.39 min Scan# 1311

Delta R.T. 0.00 min

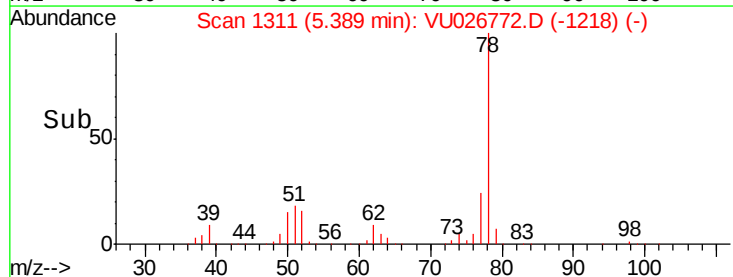
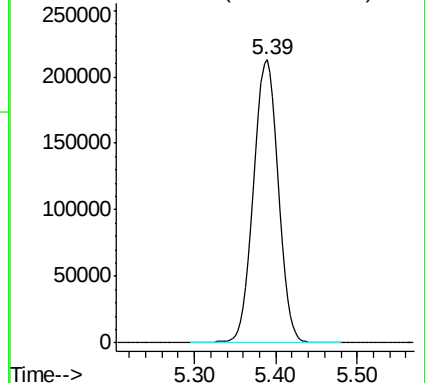
Lab File: VU026772.D

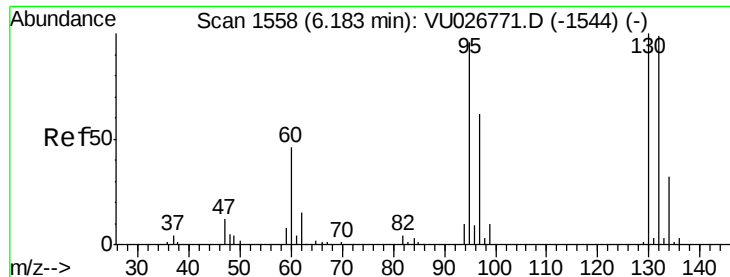
Acq: 15 Sep 2018 12:20

Tgt Ion: 78 Resp: 444138



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 10.287 ug/L

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU026772.D

Acq: 15 Sep 2018 12:20

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 95 Resp: 113371

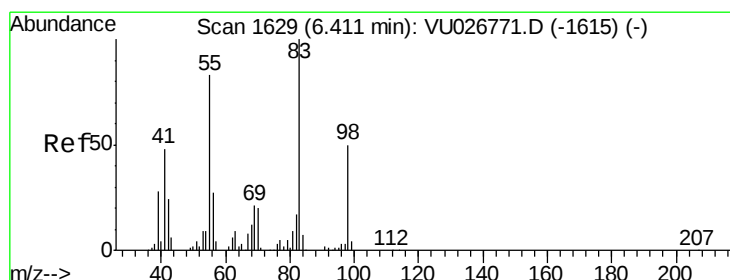
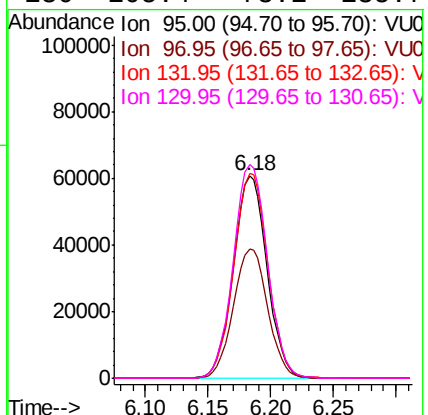
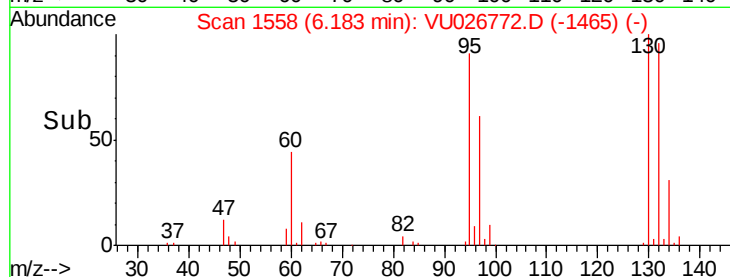
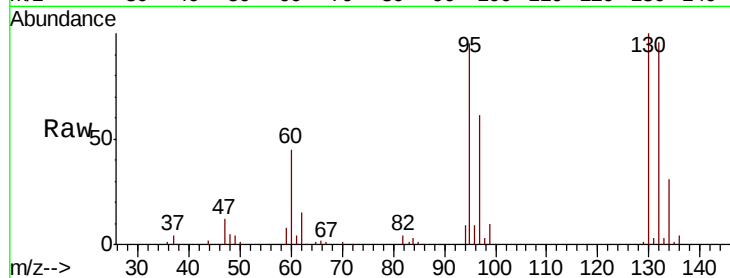
Ion Ratio Lower Upper

95 100

97 63.8 45.1 83.9

132 101.1 72.0 133.8

130 105.4 73.1 135.7



#35

Methylcyclohexane

Concen: 12.096 ug/L

RT: 6.41 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VU026772.D

Acq: 15 Sep 2018 12:20

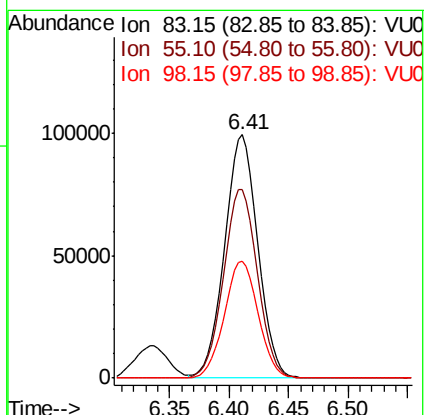
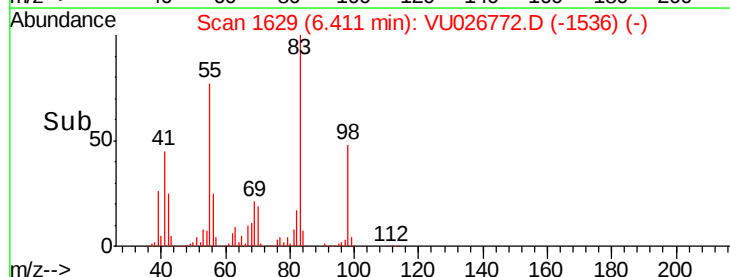
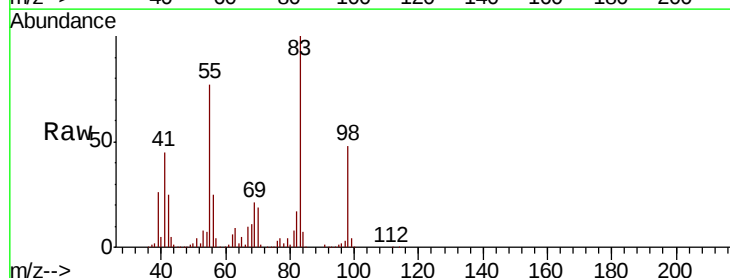
Tgt Ion: 83 Resp: 192443

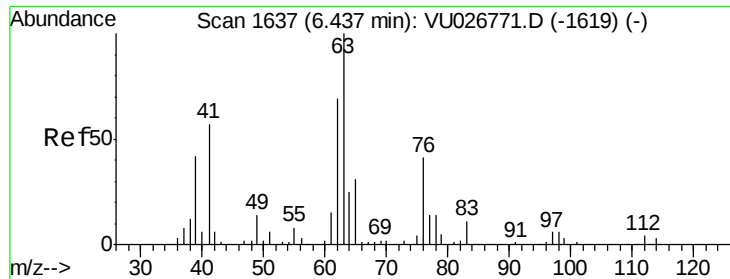
Ion Ratio Lower Upper

83 100

55 79.1 64.9 97.3

98 49.0 39.3 58.9

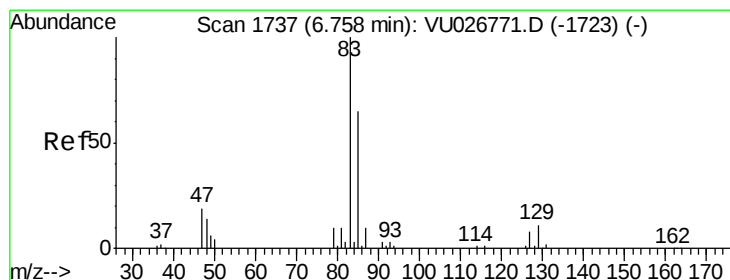
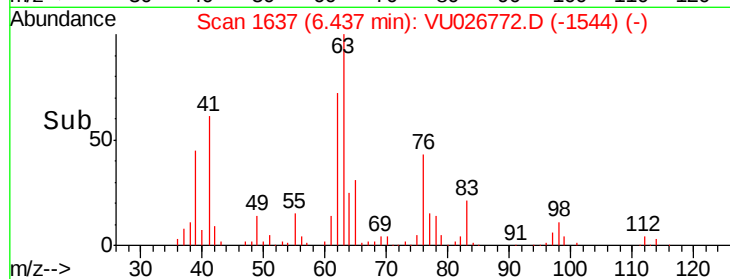
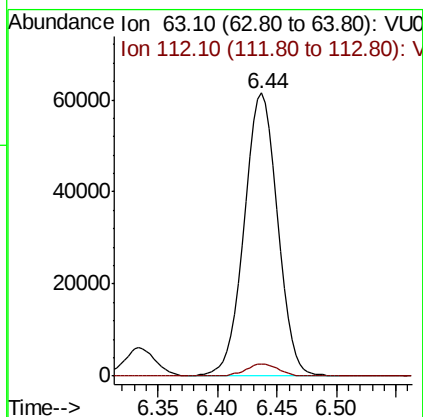
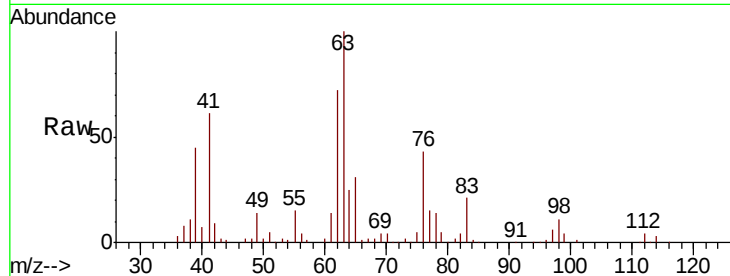




#37
 1,2-Dichloropropane
 Concen: 10.683 ug/L
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU026772.D
 Acq: 15 Sep 2018 12:20

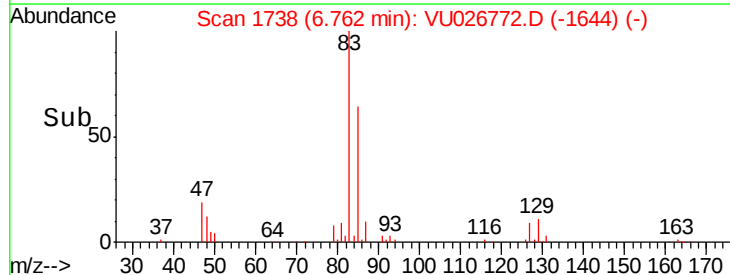
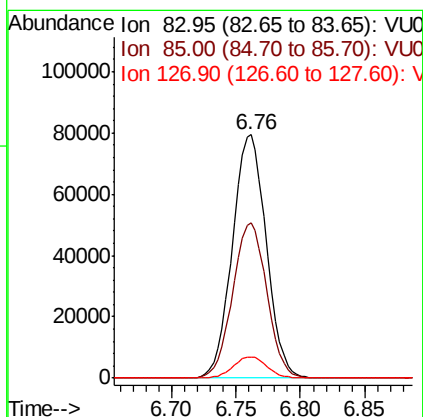
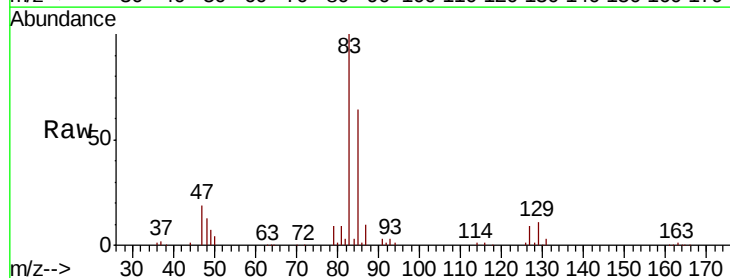
Instrument :
 MSVOA_U
 ClientSampleId :

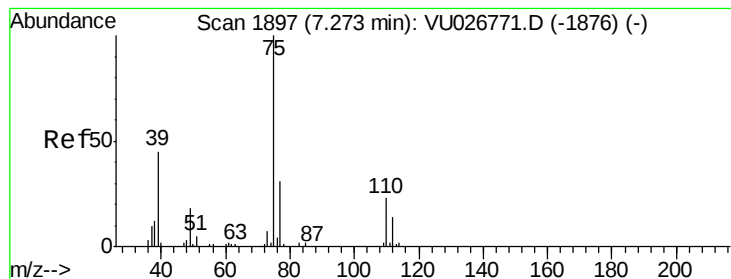
Tot Ion: 63 Resp: 119792
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.4 5.2



#38
 Bromodichloromethane
 Concen: 10.948 ug/L
 RT: 6.76 min Scan# 1738
 Delta R.T. 0.00 min
 Lab File: VU026772.D
 Acq: 15 Sep 2018 12:20

Tgt Ion: 83 Resp: 144971
 Ion Ratio Lower Upper
 83 100
 85 63.8 45.8 85.0
 127 8.8 6.6 10.0



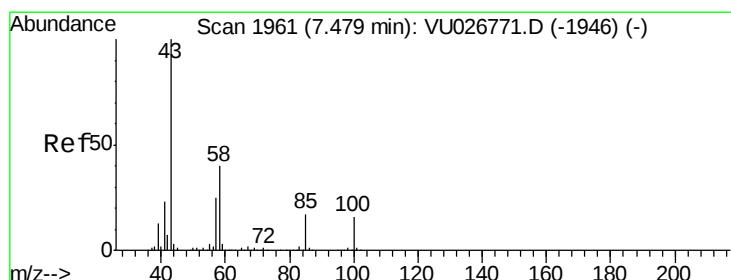
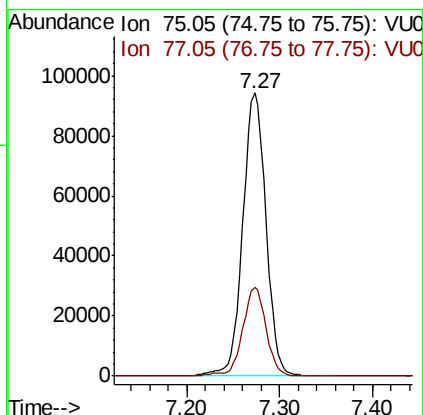
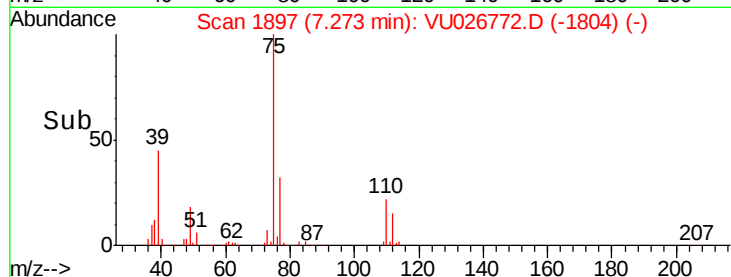
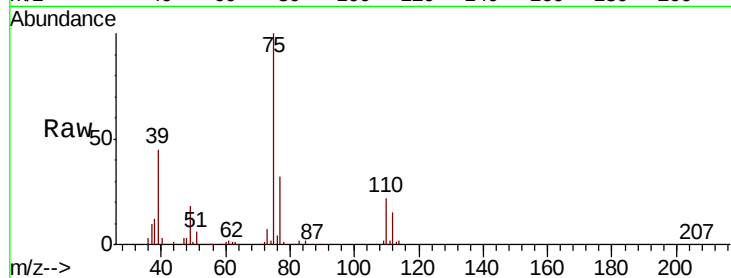


#39

cis-1,3-Dichloropropene
 Concen: 11.407 ug/L
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.00 min
 Lab File: VU026772.D
 Acq: 15 Sep 2018 12:20

Instrument :
 MSVOA_U
 ClientSampleId :

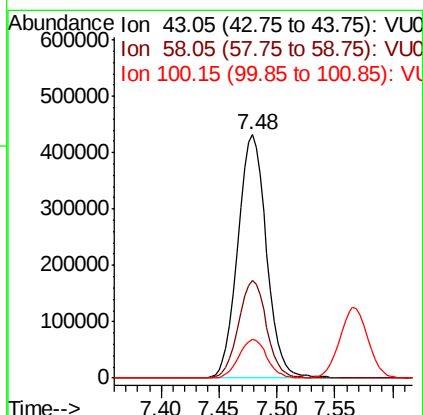
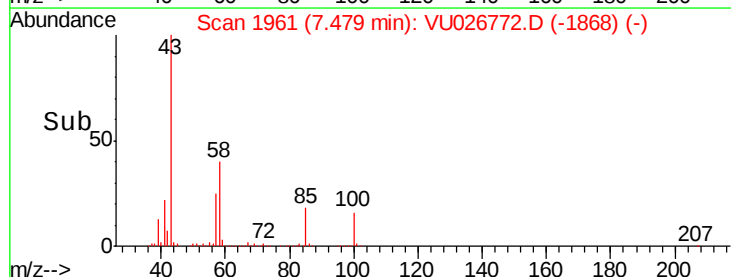
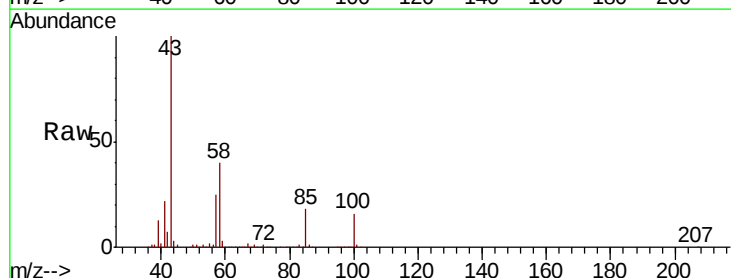
Tot Ion: 75 Resp: 164063
 Ion Ratio Lower Upper
 75 100
 77 31.6 21.7 40.3

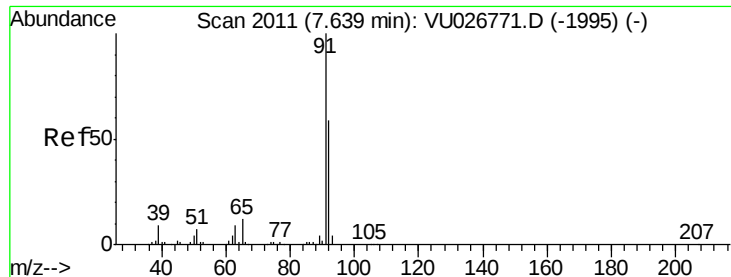


#40

4-Methyl-2-pentanone
 Concen: 116.036 ug/L
 RT: 7.48 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: VU026772.D
 Acq: 15 Sep 2018 12:20

Tgt Ion: 43 Resp: 740403
 Ion Ratio Lower Upper
 43 100
 58 39.5 30.9 46.3
 100 15.7 12.3 18.5





#42

Toluene

Concen: 11.582 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026772.D

Acq: 15 Sep 2018 12:20

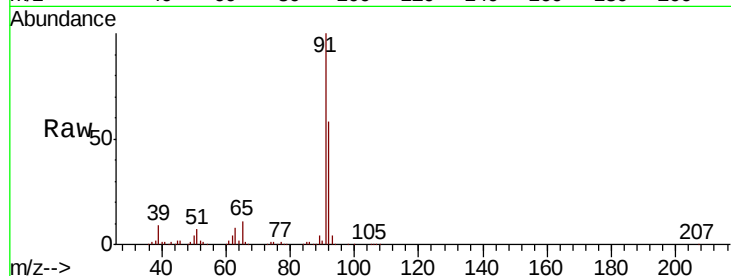
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 479288

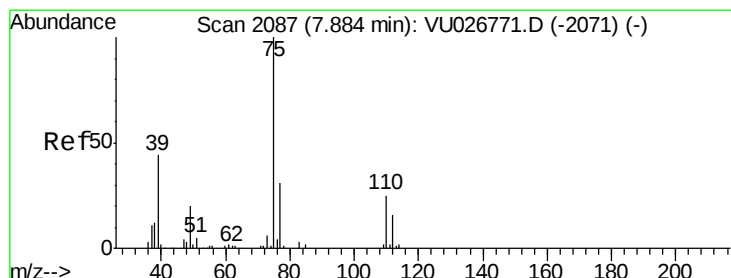
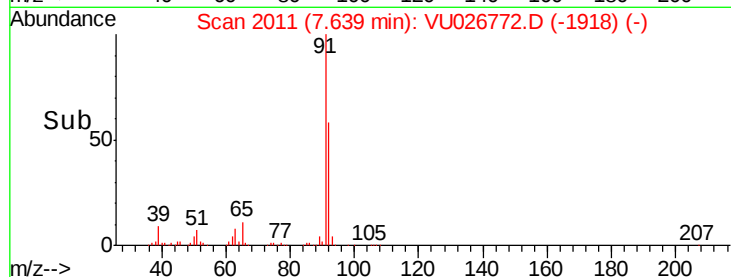
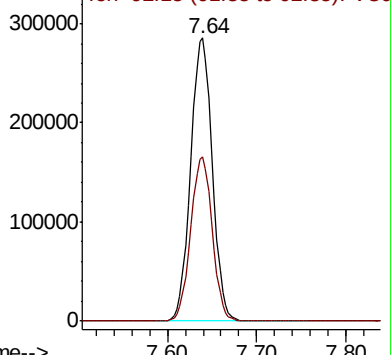
Ion Ratio Lower Upper

91 100

92 57.9 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VU0
Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 11.441 ug/L

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU026772.D

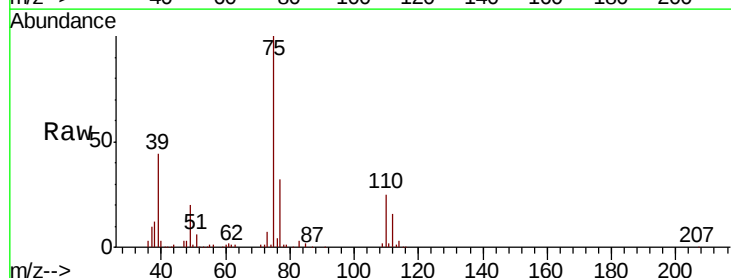
Acq: 15 Sep 2018 12:20

Tgt Ion: 75 Resp: 134561

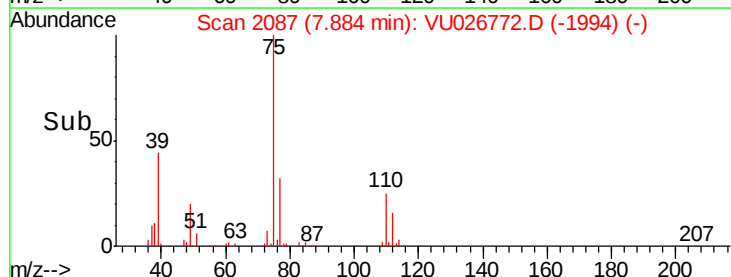
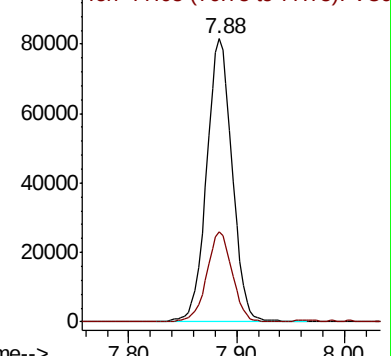
Ion Ratio Lower Upper

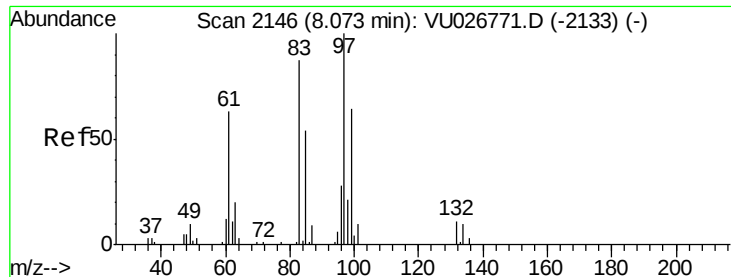
75 100

77 31.8 21.7 40.3



Abundance Ion 75.05 (74.75 to 75.75): VU0
Ion 77.05 (76.75 to 77.75): VU0

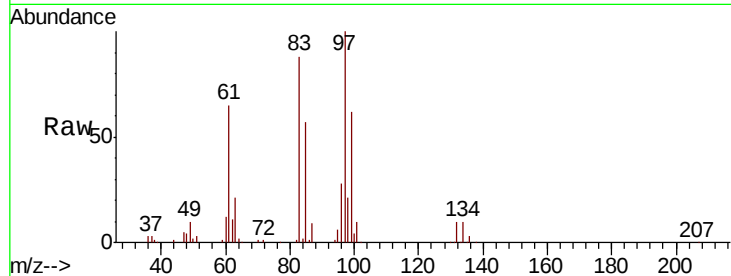




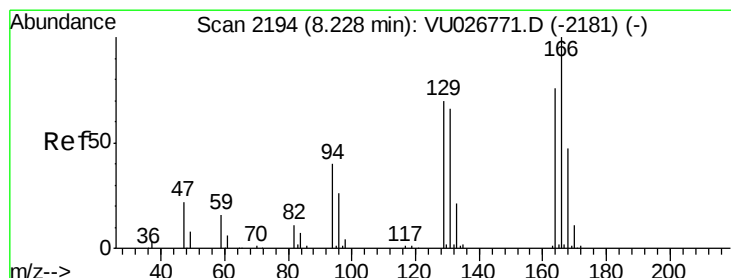
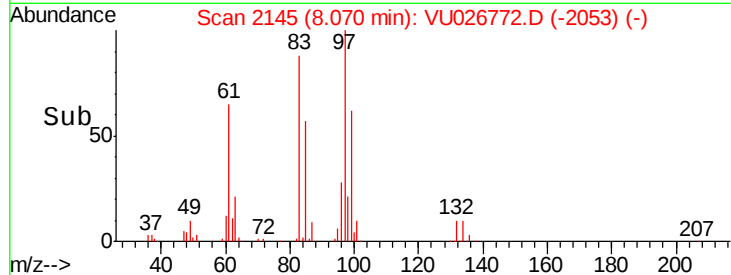
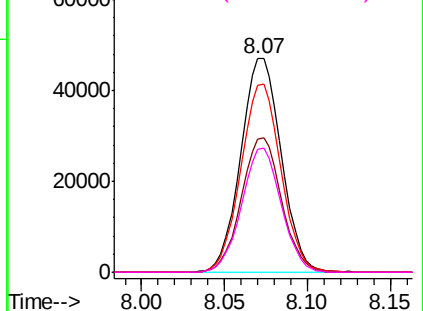
#45
 1,1,2-Trichloroethane
 Concen: 11.206 ug/L
 RT: 8.07 min Scan# 2145
 Delta R.T. -0.00 min
 Lab File: VU026772.D
 Acq: 15 Sep 2018 12:20

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	79849
Ion	Ratio	Lower	Upper
97	100		
99	62.1	45.0	83.6
83	87.6	60.8	112.8
85	57.4	38.1	70.9

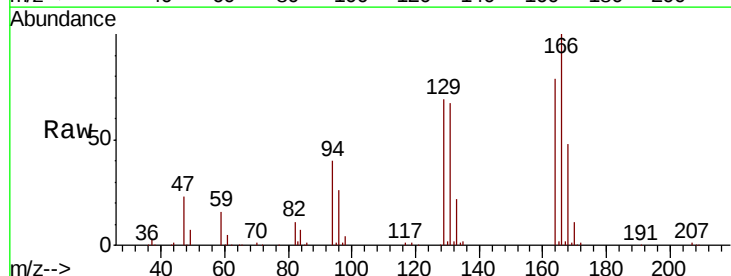


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

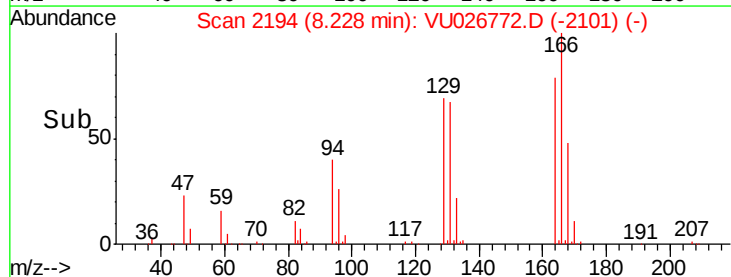
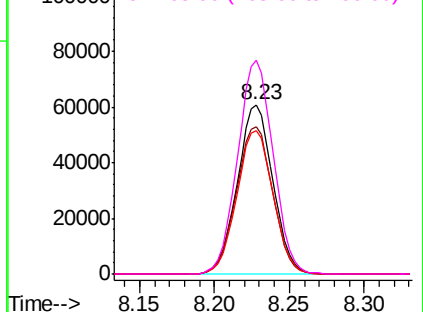


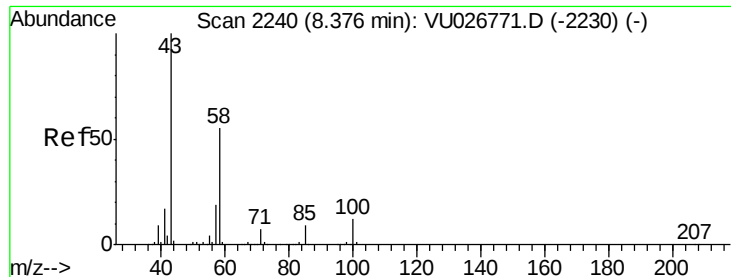
#47
 Tetrachloroethene
 Concen: 11.899 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VU026772.D
 Acq: 15 Sep 2018 12:20

Tgt Ion:	164	Resp:	100362
Ion	Ratio	Lower	Upper
164	100		
129	87.2	64.8	120.3
131	84.6	61.4	114.0
166	126.0	92.6	172.0



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

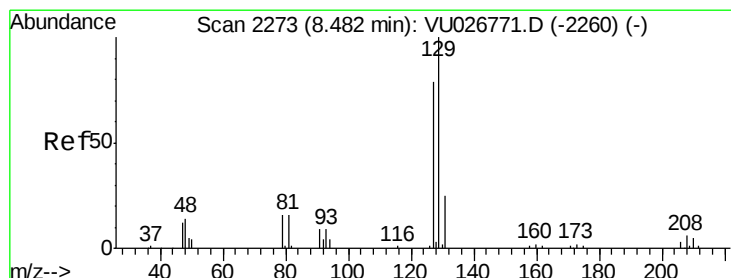
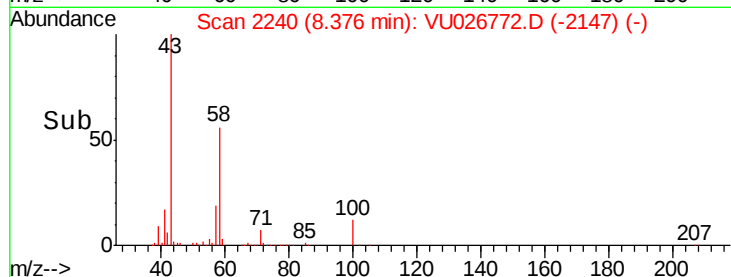
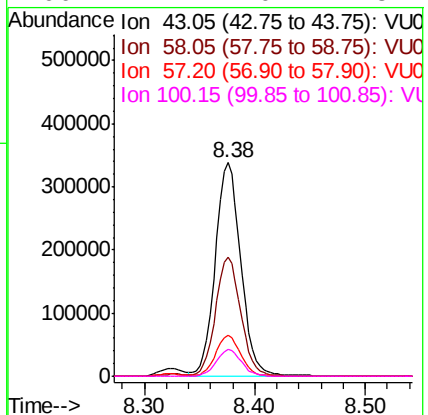
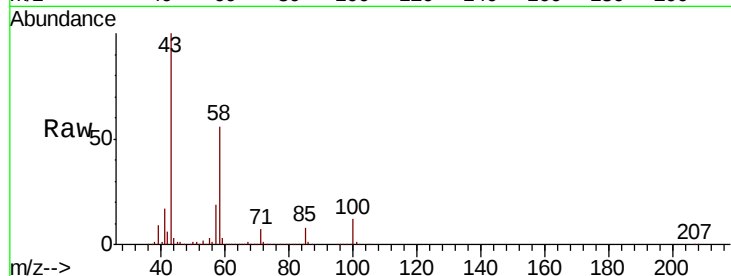




#48
2-Hexanone
Concen: 115.434 ug/L
RT: 8.38 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VU026772.D
Acq: 15 Sep 2018 12:20

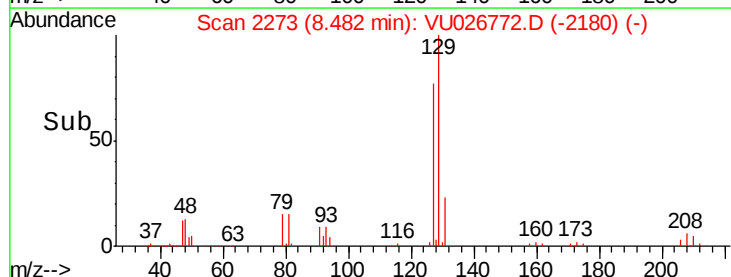
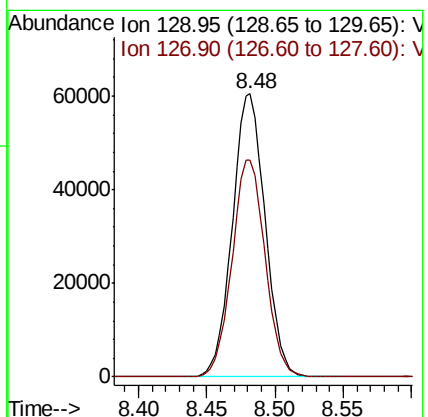
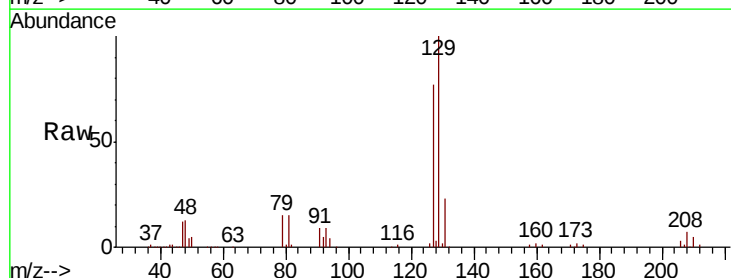
Instrument :
MSVOA_U
ClientSampled :

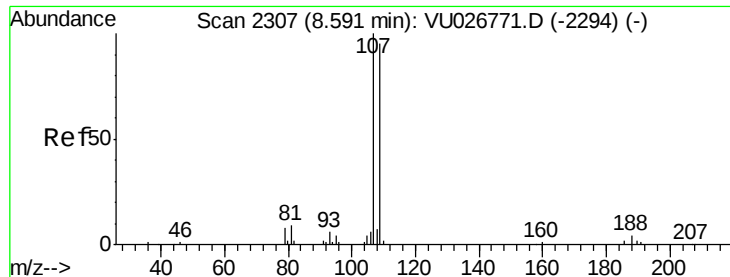
Tot Ion	Ratio	Lower	Upper
43	100		
58	55.1	43.7	65.5
57	18.9	15.2	22.8
100	12.4	10.1	15.1



#49
Dibromochloromethane
Concen: 11.534 ug/L
RT: 8.48 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VU026772.D
Acq: 15 Sep 2018 12:20

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.8	55.4	103.0





#50

1,2-Dibromoethane

Concen: 11.370 ug/L

RT: 8.59 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VU026772.D

Acq: 15 Sep 2018 12:20

Instrument :

MSVOA_U

ClientSampleId :

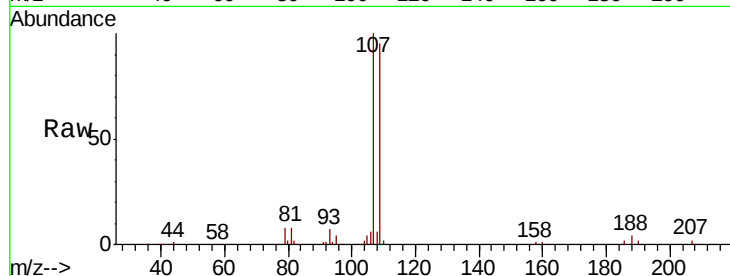
Tot Ion:107 Resp: 76476

Ion Ratio Lower Upper

107 100

109 94.6 66.4 123.2

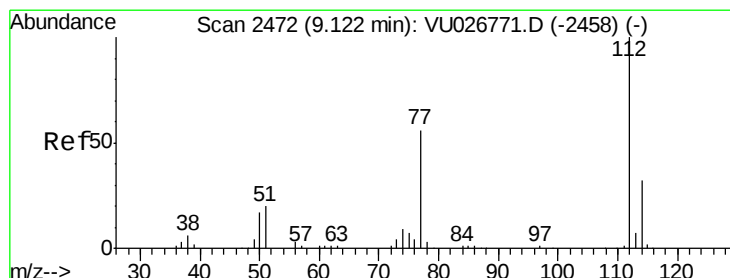
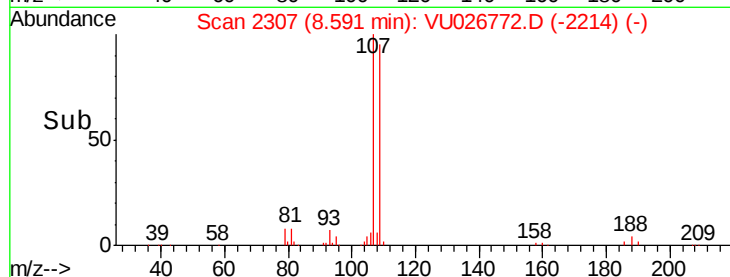
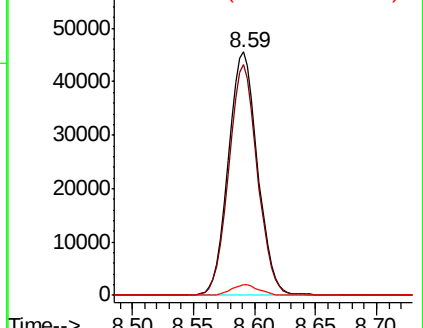
188 4.2 3.1 4.7



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 11.148 ug/L

RT: 9.12 min Scan# 2472

Delta R.T. 0.00 min

Lab File: VU026772.D

Acq: 15 Sep 2018 12:20

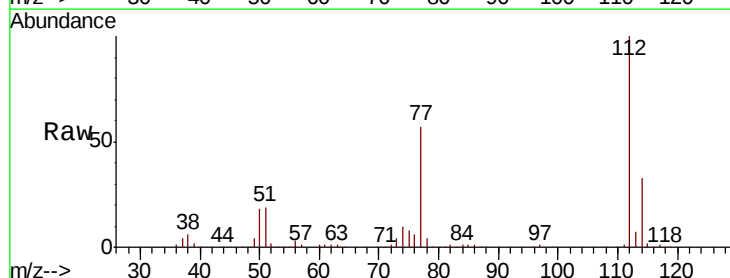
Tgt Ion:112 Resp: 301955

Ion Ratio Lower Upper

112 100

114 32.8 22.6 42.0

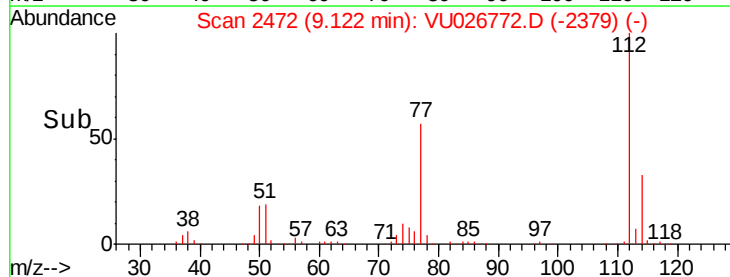
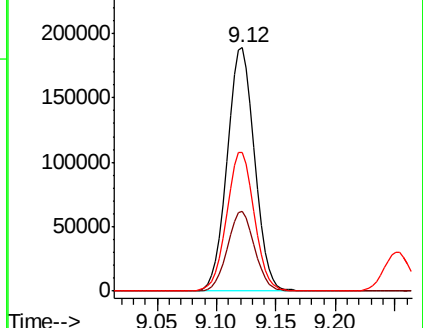
77 57.0 45.1 67.7

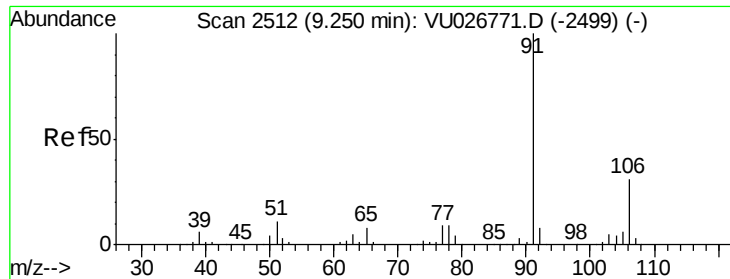


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU

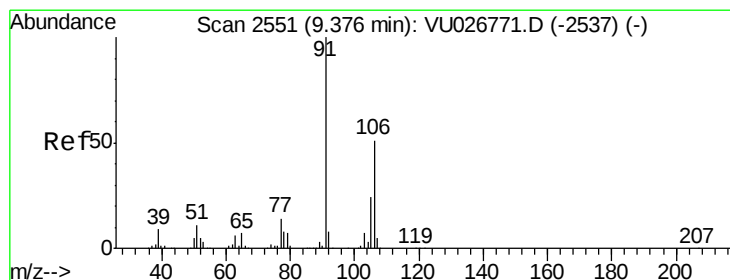
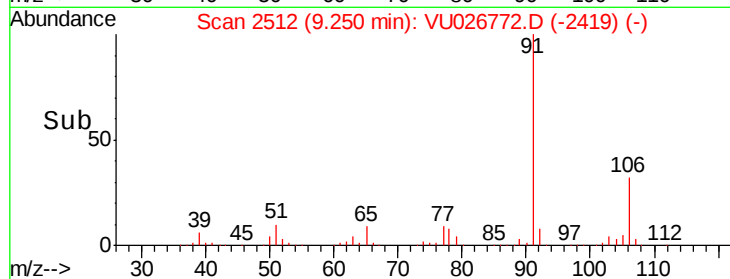
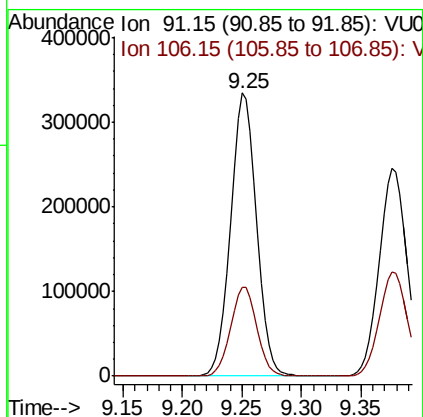
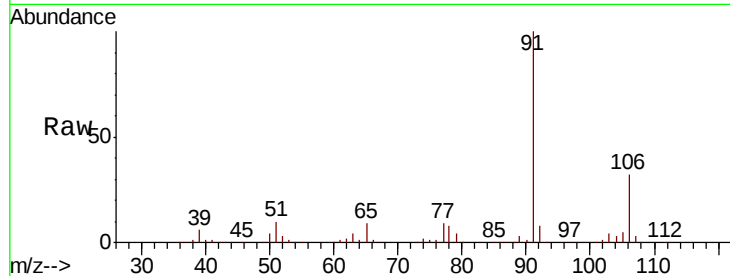




#52
Ethylbenzene
Concen: 11.585 ug/L
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU026772.D
Acq: 15 Sep 2018 12:20

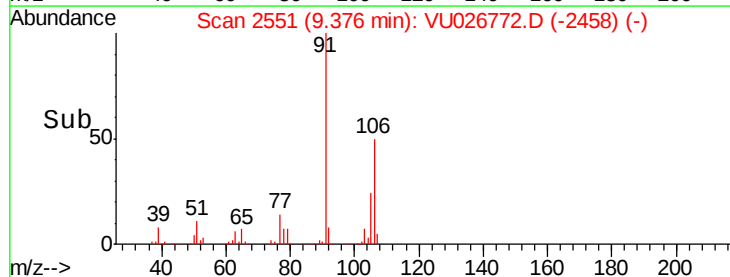
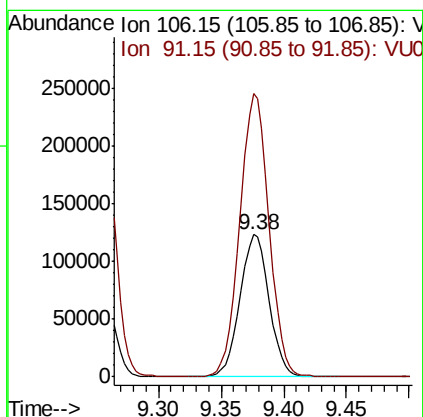
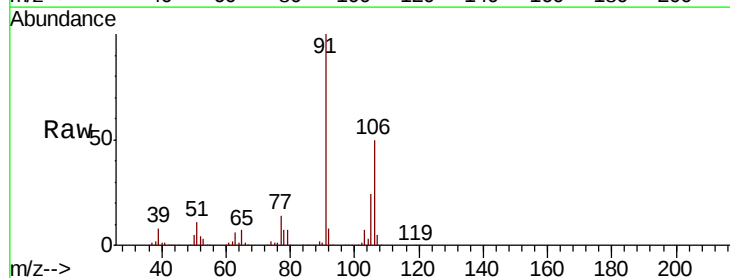
Instrument :
MSVOA_U
ClientSampleId :

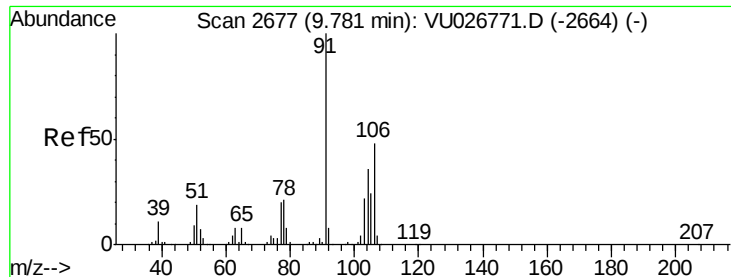
Tot Ion: 91 Resp: 504492
Ion Ratio Lower Upper
91 100
106 31.6 21.9 40.7



#53
m,p-xylene
Concen: 12.265 ug/L
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU026772.D
Acq: 15 Sep 2018 12:20

Tgt Ion:106 Resp: 199243
Ion Ratio Lower Upper
106 100
91 198.8 138.9 257.9

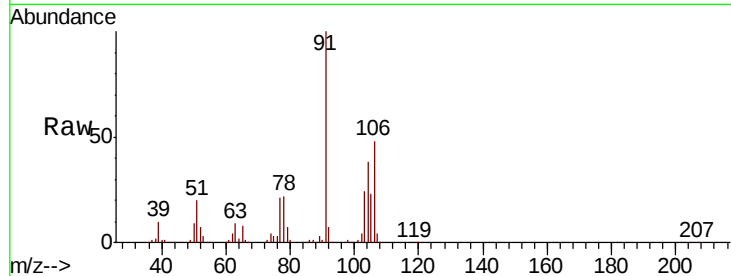




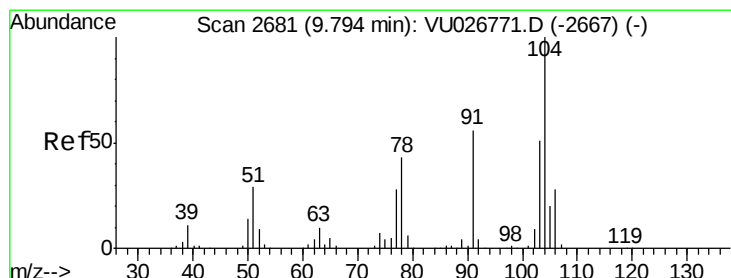
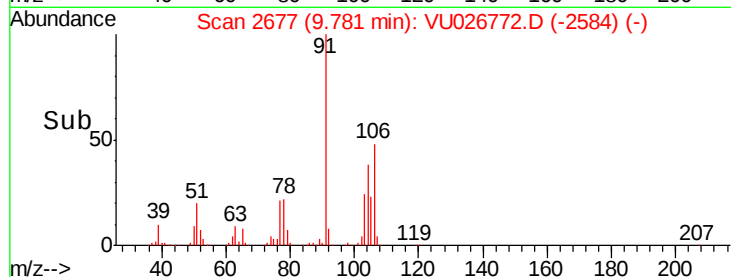
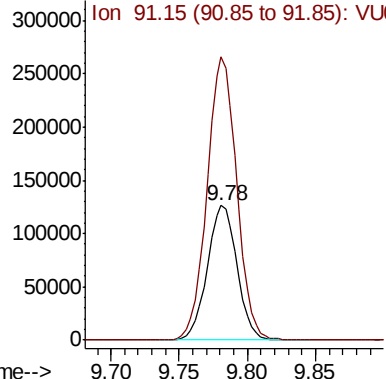
#54
o-xylene
Concen: 12.400 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU026772.D
Acq: 15 Sep 2018 12:20

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 190505
Ion Ratio Lower Upper
106 100
91 209.9 147.1 273.1

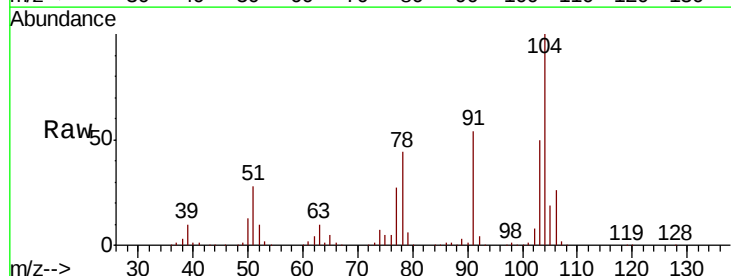


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

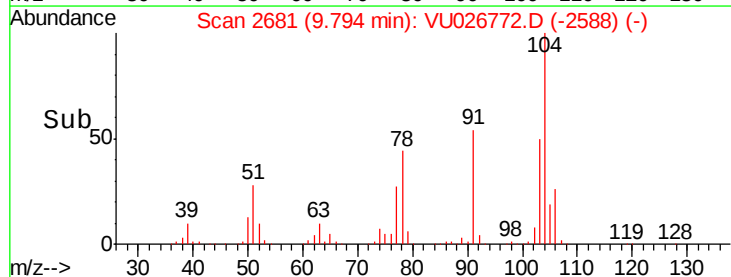
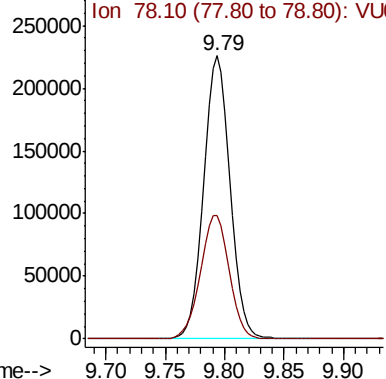


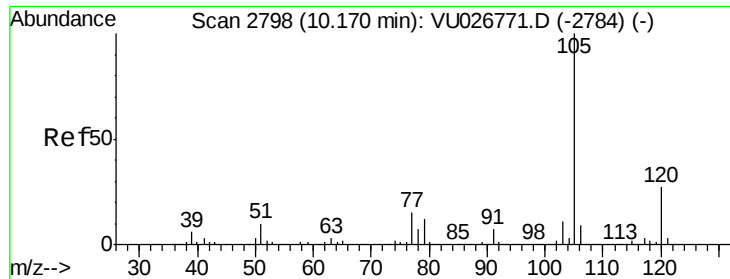
#55
Styrene
Concen: 12.840 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU026772.D
Acq: 15 Sep 2018 12:20

Tgt Ion:104 Resp: 347758
Ion Ratio Lower Upper
104 100
78 43.7 30.4 56.4



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 12.377 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU026772.D

Acq: 15 Sep 2018 12:20

Instrument :

MSVOA_U

ClientSampleId :

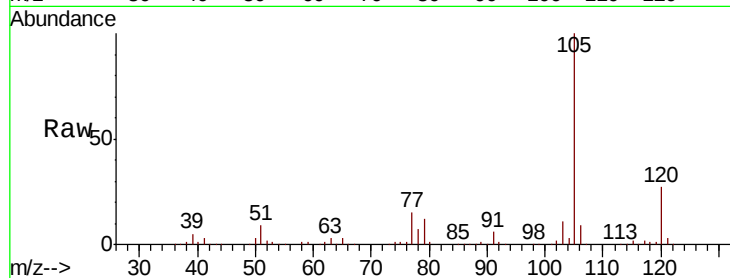
Tot Ion:105 Resp: 502920

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.2

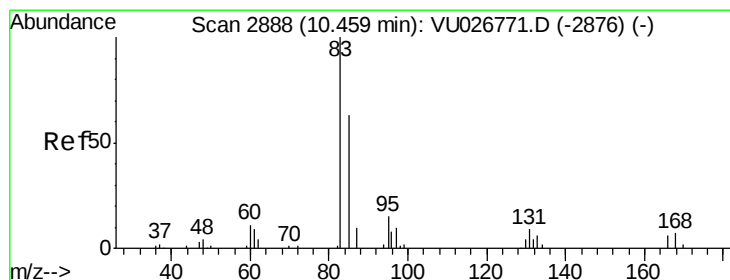
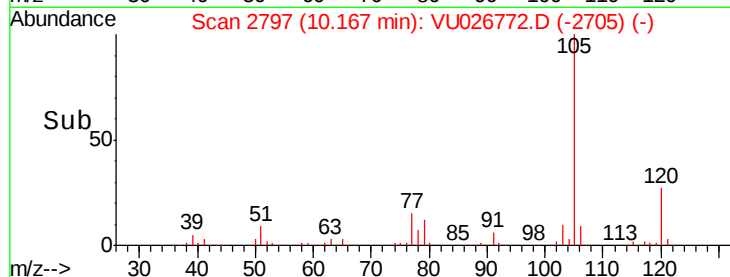
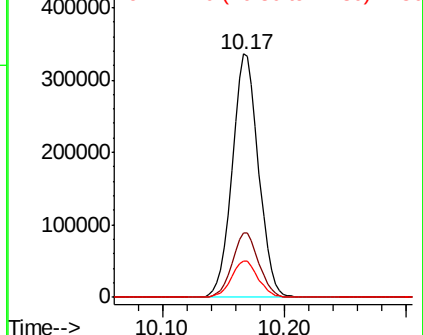
77 15.3 12.6 19.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 10.879 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU026772.D

Acq: 15 Sep 2018 12:20

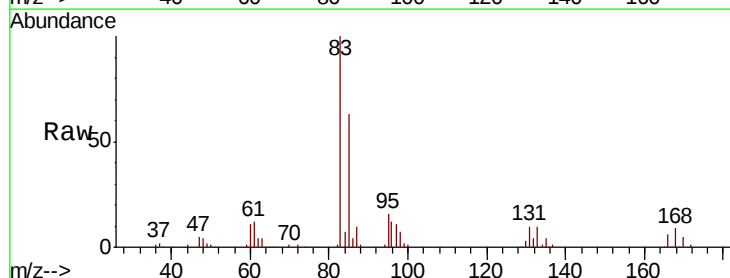
Tgt Ion: 83 Resp: 101303

Ion Ratio Lower Upper

83 100

85 62.9 44.4 82.5

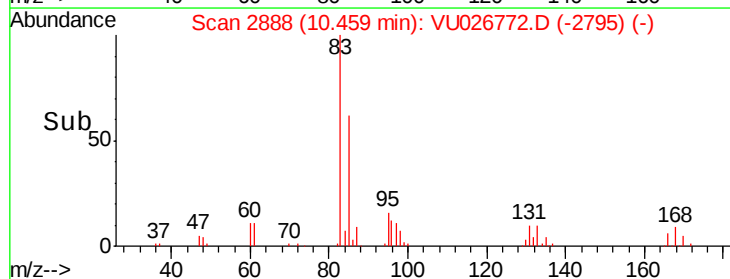
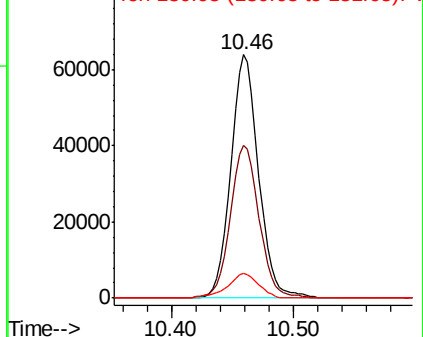
131 10.1 7.2 10.8

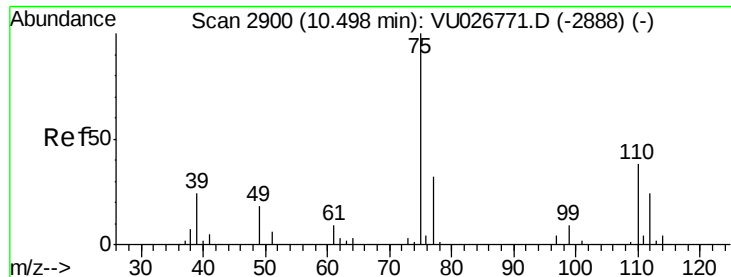


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

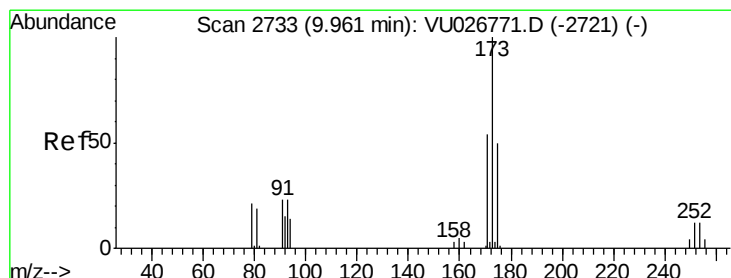
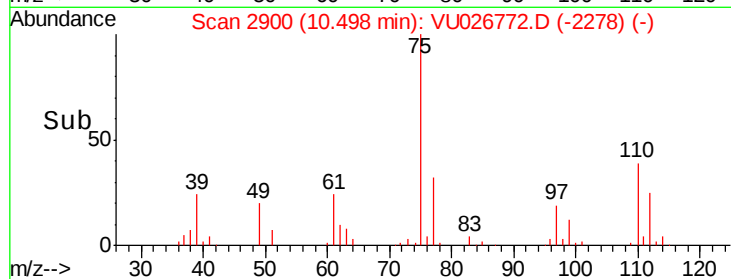
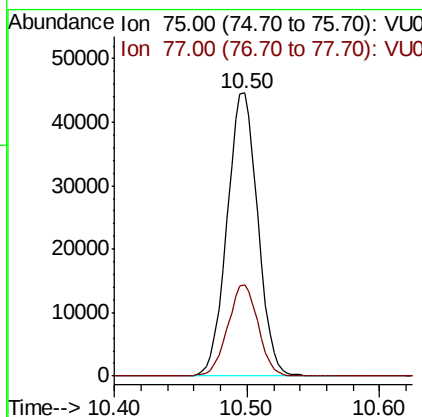
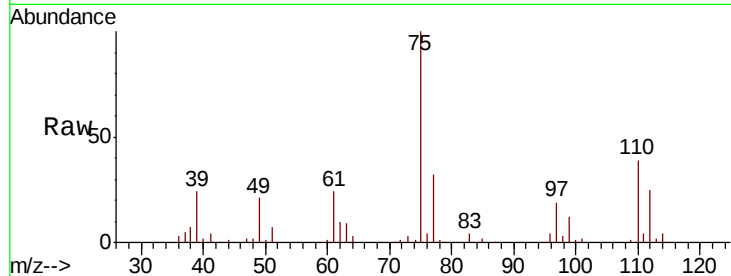




#59
 1,2,3-Trichloropropane
 Concen: 10.962 ug/L
 RT: 10.50 min Scan# 2900
 Delta R.T. 0.00 min
 Lab File: VU026772.D
 Acq: 15 Sep 2018 12:20

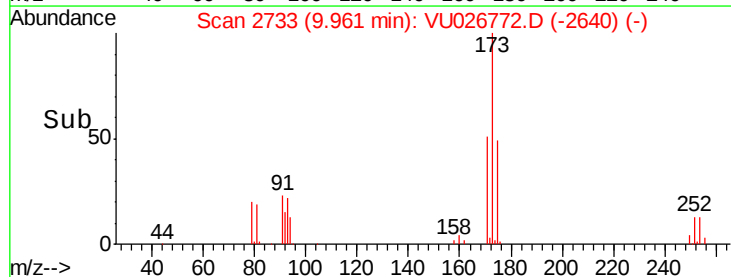
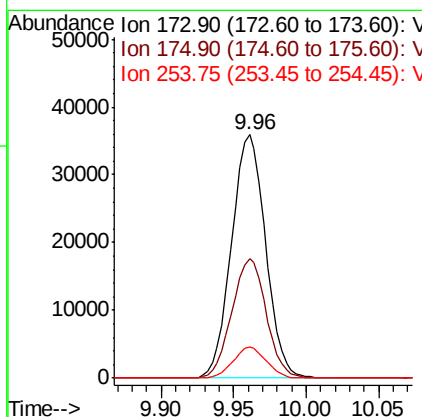
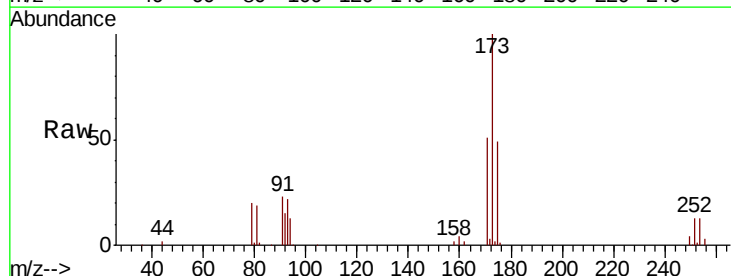
Instrument :
 MSVOA_U
 ClientSampleId :

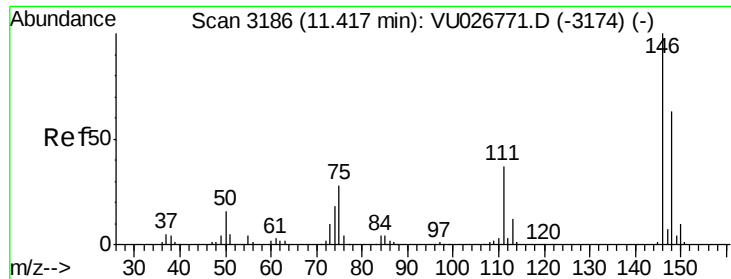
Tot Ion: 75 Resp: 71723
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.9 38.9



#61
 Bromoform
 Concen: 10.791 ug/L
 RT: 9.96 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VU026772.D
 Acq: 15 Sep 2018 12:20

Tgt Ion:173 Resp: 58569
 Ion Ratio Lower Upper
 173 100
 175 49.3 38.8 58.2
 254 12.1 9.1 13.7

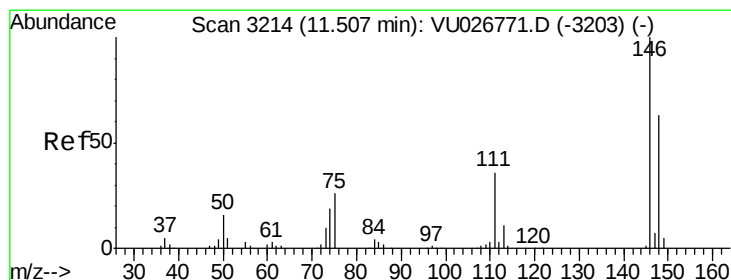
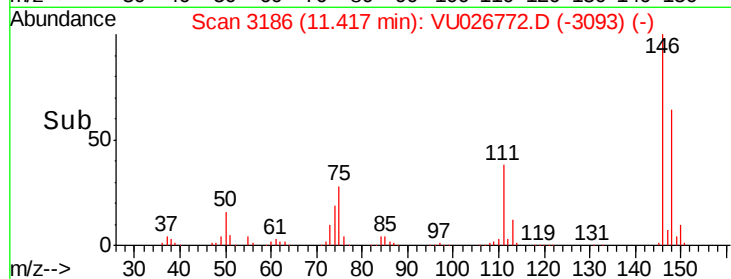
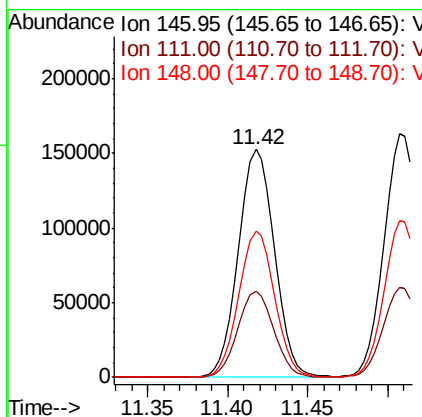
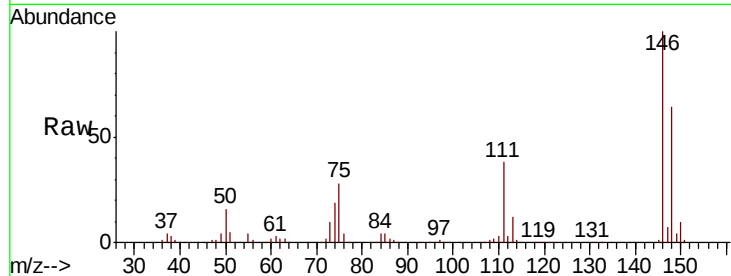




#62
 1,3-Dichlorobenzene
 Concen: 10.812 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU026772.D
 Acq: 15 Sep 2018 12:20

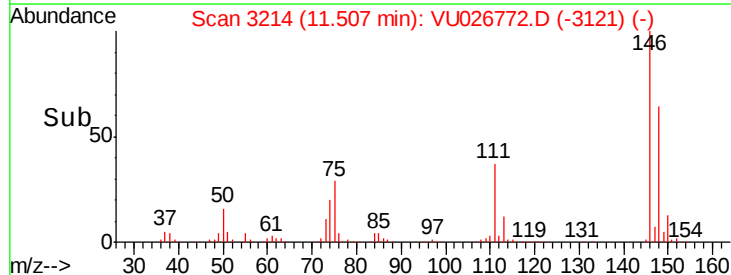
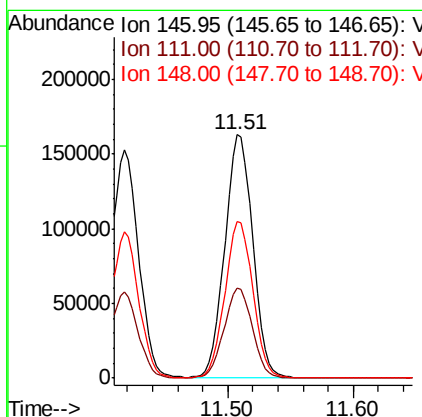
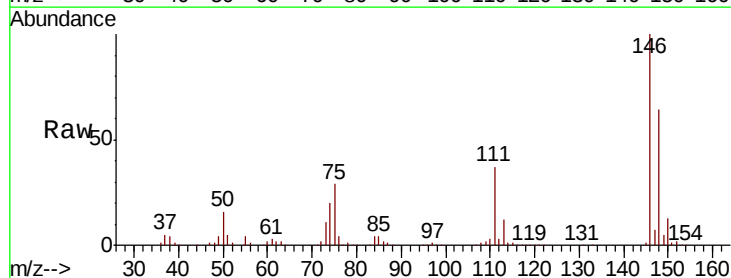
Instrument :
 MSVOA_U
 ClientSampled :

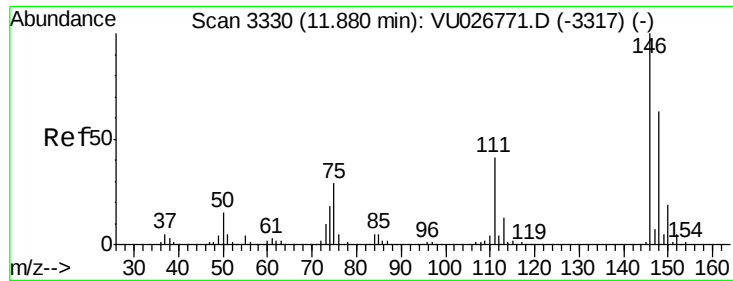
Tot Ion:146 Resp: 235081
 Ion Ratio Lower Upper
 146 100
 111 37.6 26.2 48.6
 148 64.0 44.4 82.4



#63
 1,4-Dichlorobenzene
 Concen: 10.895 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU026772.D
 Acq: 15 Sep 2018 12:20

Tgt Ion:146 Resp: 252274
 Ion Ratio Lower Upper
 146 100
 111 37.0 25.3 46.9
 148 64.4 44.5 82.7

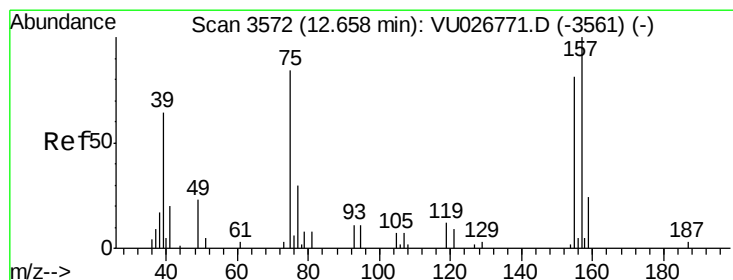
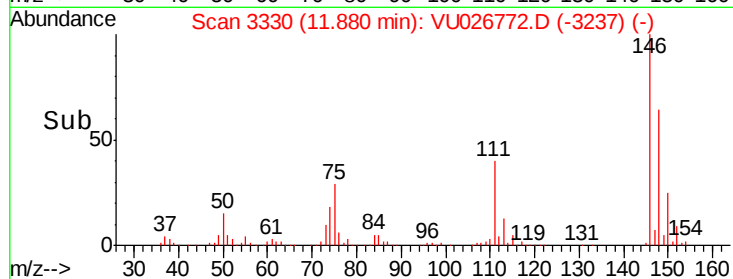
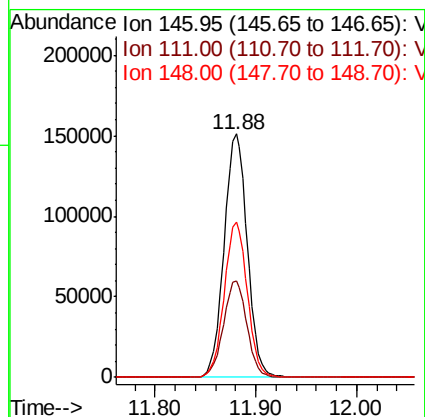
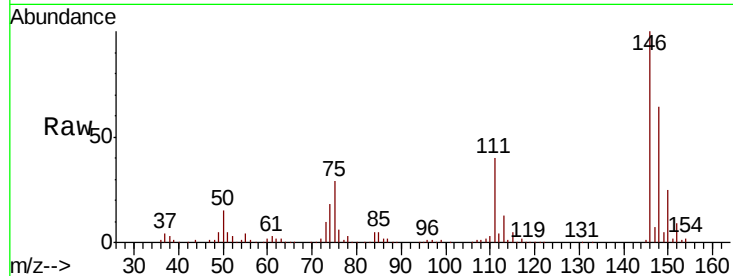




#65
 1,2-Dichlorobenzene
 Concen: 11.208 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU026772.D
 Acq: 15 Sep 2018 12:20

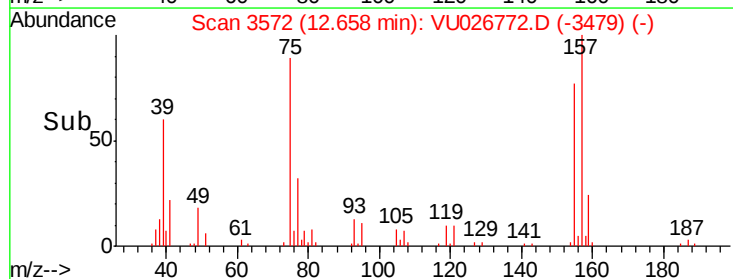
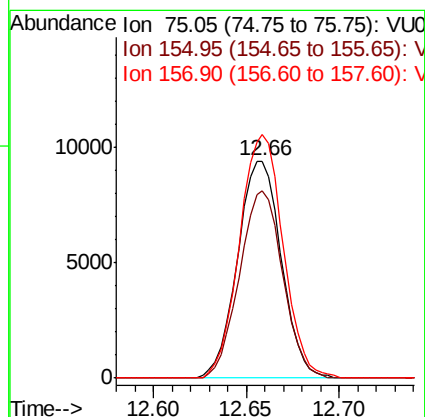
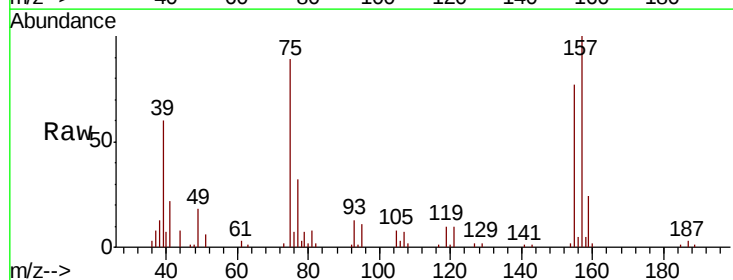
Instrument :
 MSVOA_U
 ClientSampleId :

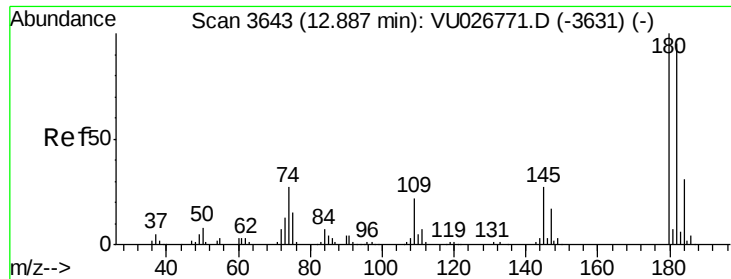
Tot Ion:146 Resp: 242861
 Ion Ratio Lower Upper
 146 100
 111 39.6 32.5 48.7
 148 63.7 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 10.844 ug/L
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU026772.D
 Acq: 15 Sep 2018 12:20

Tgt Ion: 75 Resp: 15458
 Ion Ratio Lower Upper
 75 100
 155 86.4 76.7 115.1
 157 112.1 95.1 142.7

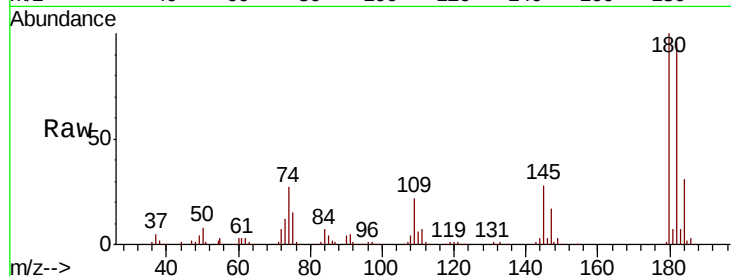




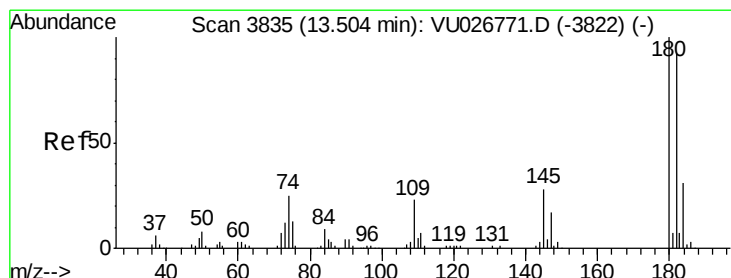
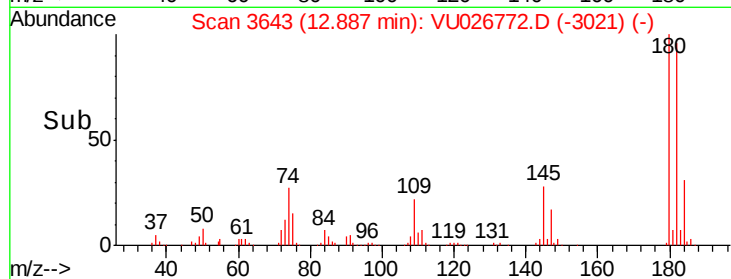
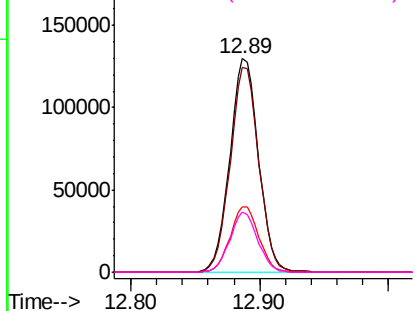
#67
 1,3,5-Trichlorobenzene
 Concen: 10.927 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU026772.D
 Acq: 15 Sep 2018 12:20

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	180	Resp:	199790
Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.8	115.2
184	30.8	24.6	36.8
145	27.4	21.5	32.3

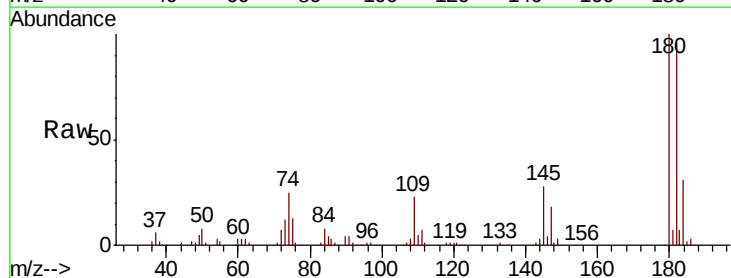


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

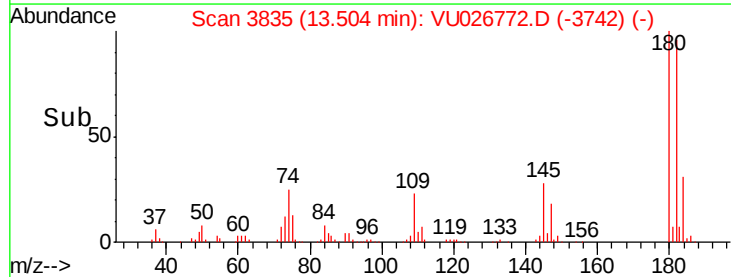
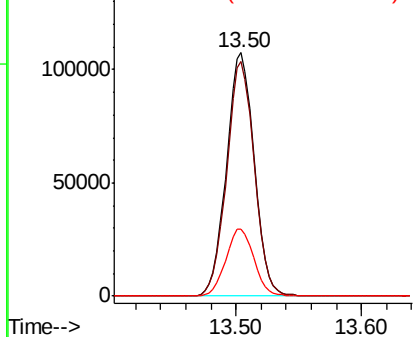


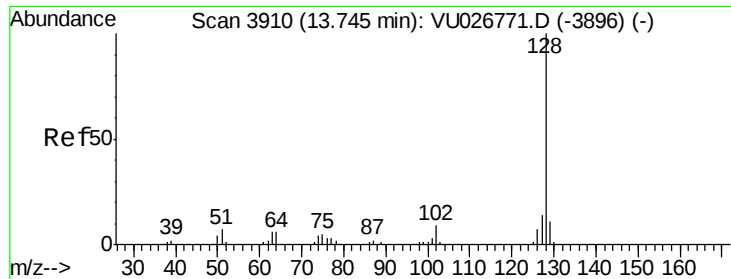
#68
 1,2,4-trichlorobenzene
 Concen: 11.213 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026772.D
 Acq: 15 Sep 2018 12:20

Tgt Ion:	180	Resp:	164476
Ion	Ratio	Lower	Upper
180	100		
182	96.0	74.7	112.1
145	28.0	22.3	33.5



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 11.924 ug/L

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU026772.D

Acq: 15 Sep 2018 12:20

Instrument :

MSVOA_U

ClientSampleId :

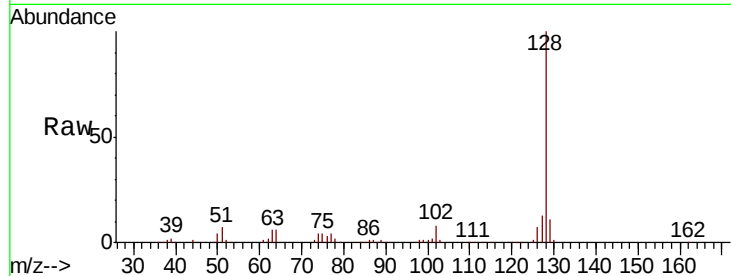
Tot Ion:128 Resp: 262092

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

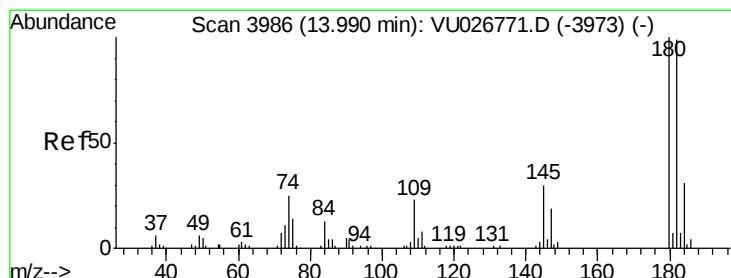
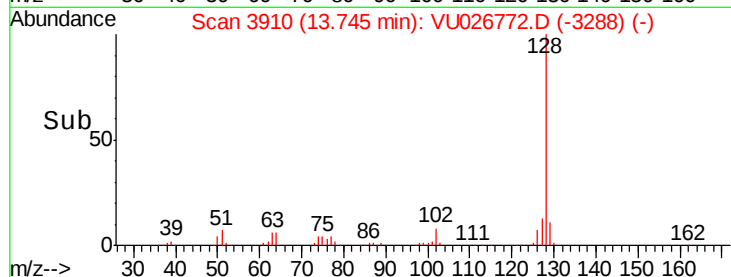
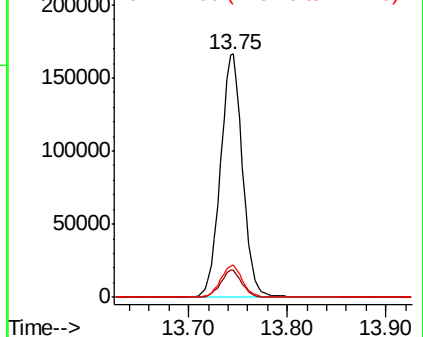
127 13.0 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 12.131 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU026772.D

Acq: 15 Sep 2018 12:20

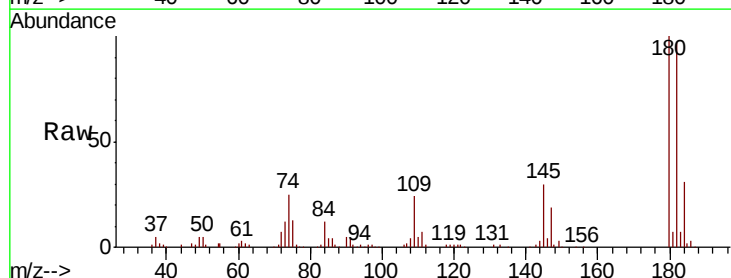
Tgt Ion:180 Resp: 165539

Ion Ratio Lower Upper

180 100

182 95.5 77.0 115.6

145 29.1 23.4 35.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

