

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091618\
 Data File : VU026770.D
 Acq On : 15 Sep 2018 11:28
 Operator : MD/SY
 Sample : VSTD00141
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 17 04:17:08 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	132901	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	115078	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	52945	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	8969	0.55	ug/L	0.00
7) Chloroethane-d5	1.68	69	7625	0.62	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	17945	0.65	ug/L	0.00
20) 2-Butanone-d5	4.22	46	21531	7.01	ug/L	0.00
24) Chloroform-d	4.65	84	15935	0.82	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	7997	0.66	ug/L	0.00
32) Benzene-d6	5.34	84	30061	0.79	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.34	67	10032	0.80	ug/L	0.00
41) Toluene-d8	7.57	98	27562	0.78	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	3589	0.78	ug/L	0.00
46) 2-Hexanone-d5	8.33	63	11808	5.93	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	7761	0.79	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	9380	0.79	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	14436	1.102	ug/L 98
3) Chloromethane	1.33	50	14073	0.860	ug/L 99
5) Vinyl chloride	1.40	62	14819	0.899	ug/L 98
6) Bromomethane	1.63	94	7122	0.891	ug/L 99
8) Chloroethane	1.70	64	9335	0.948	ug/L 99
9) Trichlorofluoromethane	1.89	101	18465	0.932	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	10613	0.912	ug/L 100
12) 1,1-Dichloroethene	2.29	96	9981	0.938	ug/L 87
13) Acetone	2.36	43	21638	9.215	ug/L 65
14) Carbon disulfide	2.48	76	34107	0.875	ug/L 99
15) Methyl Acetate	2.63	43	5358	0.823	ug/L 94
16) Methylene chloride	2.70	84	12730	0.960	ug/L 97
17) Methyl tert-butyl Ether	3.01	73	23675	0.890	ug/L 96
18) trans-1,2-Dichloroethene	2.98	96	10863	0.927	ug/L 97
19) 1,1-Dichloroethane	3.45	63	20221	0.849	ug/L 97
21) 2-Butanone	4.31	43	33779	10.764	ug/L 98
22) cis-1,2-Dichloroethene	4.23	96	12077	1.001	ug/L 100
23) Bromochloromethane	4.55	128	5129	1.042	ug/L 96
25) Chloroform	4.68	83	19965	0.861	ug/L 97
27) 1,2-Dichloroethane	5.41	62	12571	0.957	ug/L # 94
29) 1,1,1-Trichloroethane	4.92	97	17072	1.144	ug/L 99
30) Cyclohexane	4.99	56	18414	1.185	ug/L 99
31) Carbon tetrachloride	5.13	117	14761	1.102	ug/L 100
33) Benzene	5.39	78	43673	1.115	ug/L 100
34) Trichloroethene	6.18	95	11055	1.044	ug/L 94
35) Methylcyclohexane	6.41	83	16793	1.099	ug/L 97
37) 1,2-Dichloropropane	6.44	63	11506	1.068	ug/L 99
38) Bromodichloromethane	6.76	83	14451	1.136	ug/L 95
39) cis-1,3-Dichloropropene	7.27	75	14818	1.072	ug/L 98
40) 4-Methyl-2-pentanone	7.48	43	64134	10.463	ug/L 98

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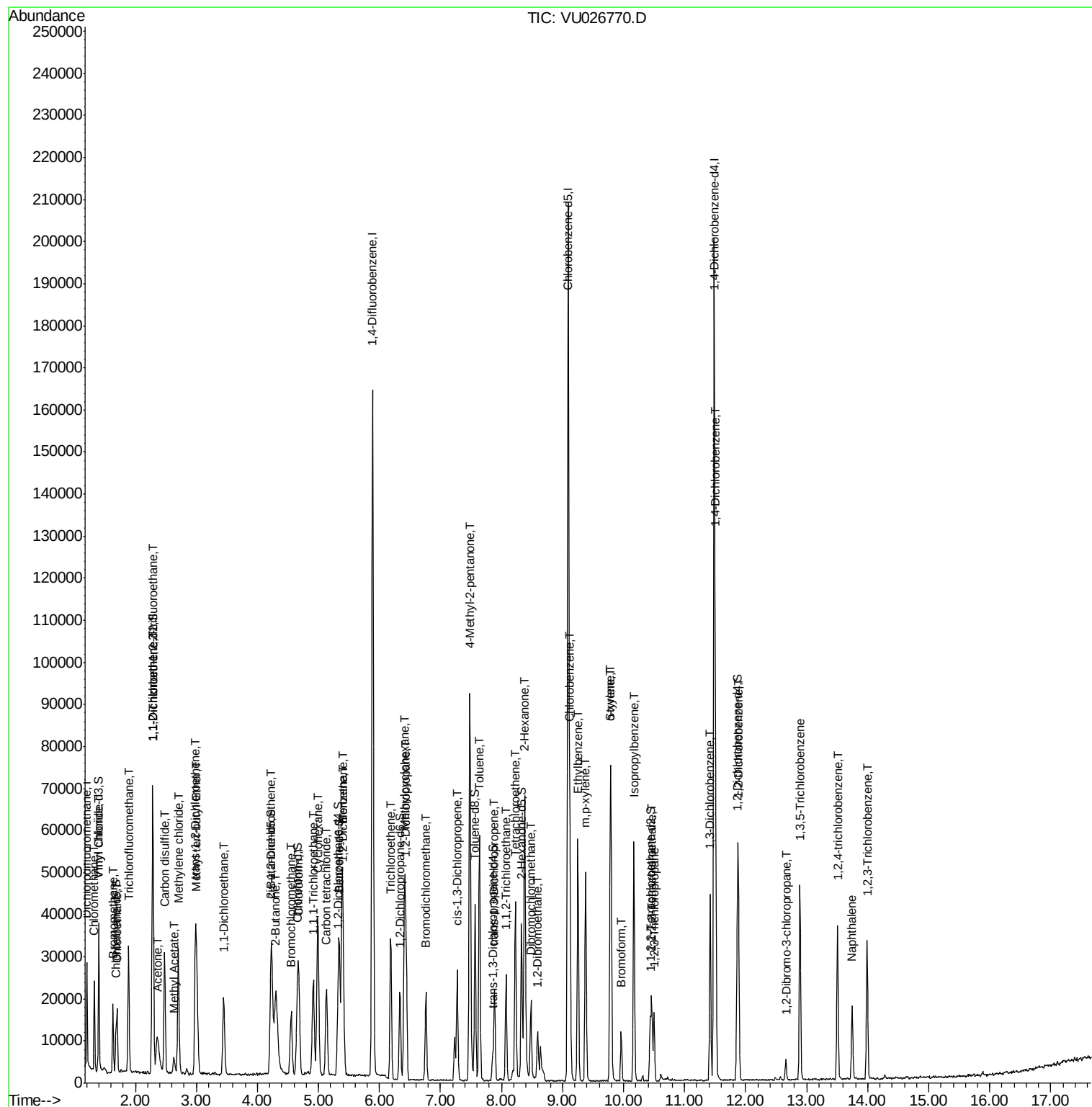
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	41976	1.056	ug/L	98
44) trans-1,3-Dichloropropene	7.89	75	11577	1.025	ug/L	95
45) 1,1,2-Trichloroethane	8.07	97	7684	1.123	ug/L	96
47) Tetrachloroethene	8.23	164	9602	1.185	ug/L	98
48) 2-Hexanone	8.38	43	43969	9.762	ug/L	97
49) Dibromochloromethane	8.48	129	9495	1.130	ug/L	96
50) 1,2-Dibromoethane	8.59	107	7212	1.116	ug/L	94
51) Chlorobenzene	9.12	112	29034	1.116	ug/L	99
52) Ethylbenzene	9.25	91	38568	0.922	ug/L	98
53) m,p-xylene	9.38	106	14081	0.902	ug/L	97
54) o-xylene	9.78	106	13097	0.887	ug/L	98
55) Styrene	9.79	104	22104	0.850	ug/L	97
56) Isopropylbenzene	10.17	105	34234	0.877	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	9422	1.053	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	6763	1.076	ug/L	98
61) Bromoform	9.96	173	5465	1.253	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	19337	1.107	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	22322	1.200	ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	20246	1.163	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	1347	1.176	ug/L	89
67) 1,3,5-Trichlorobenzene	12.89	180	15715	1.070	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	12364	1.049	ug/L	97
69) Naphthalene	13.75	128	15693	0.889	ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	11619	1.060	ug/L	97

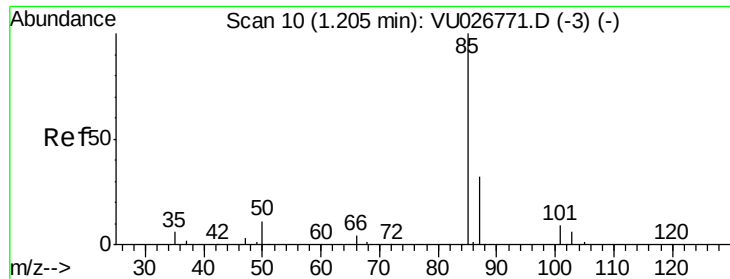
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.102 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU026770.D

Acq: 15 Sep 2018 11:28

Instrument :

MSVOA_U

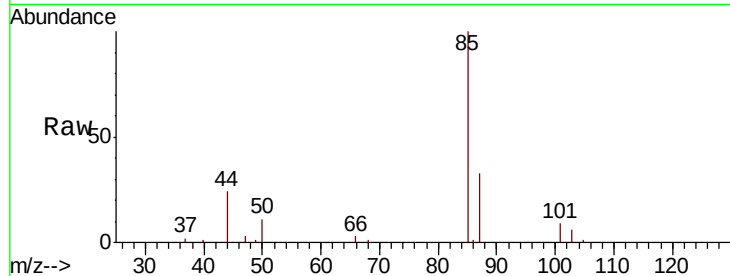
ClientSampleId :

Tot Ion: 85 Resp: 14436

Ion Ratio Lower Upper

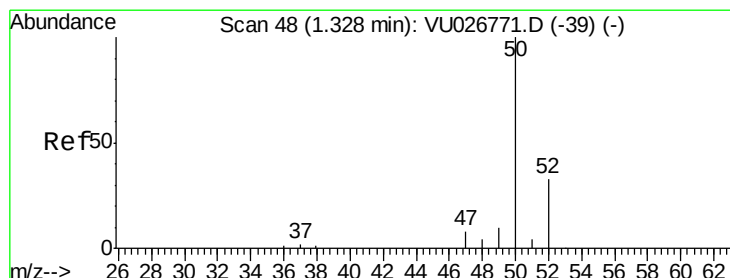
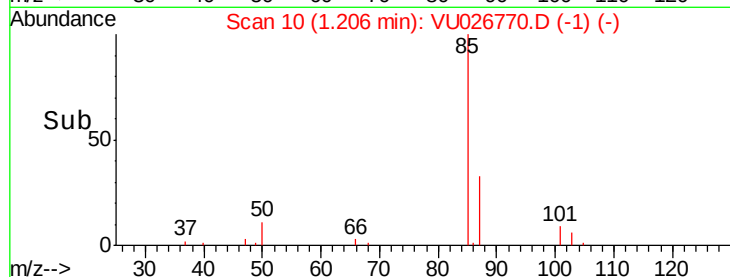
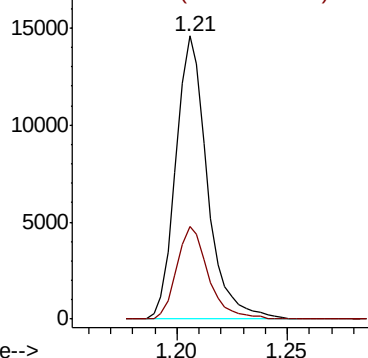
85 100

87 32.7 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: 0.860 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU026770.D

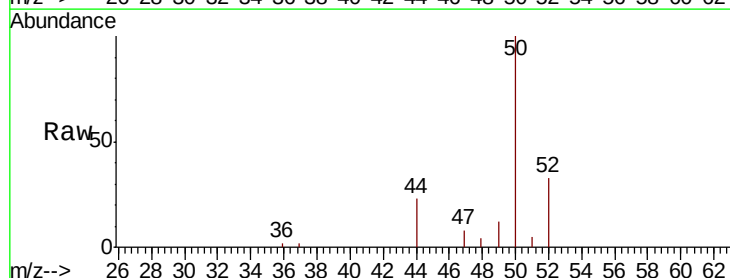
Acq: 15 Sep 2018 11:28

Tgt Ion: 50 Resp: 14073

Ion Ratio Lower Upper

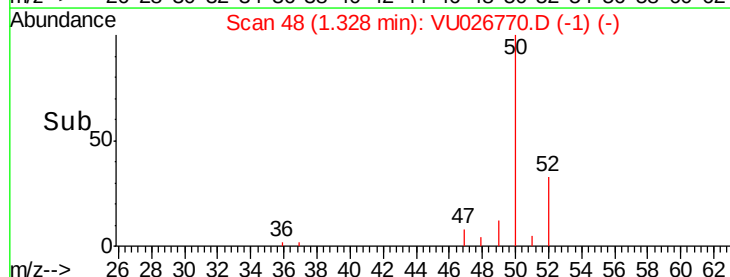
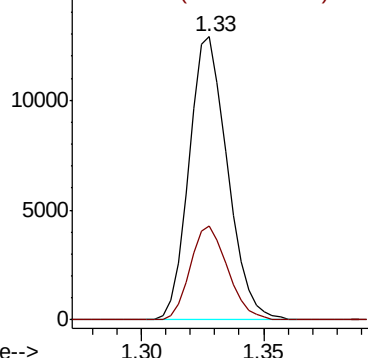
50 100

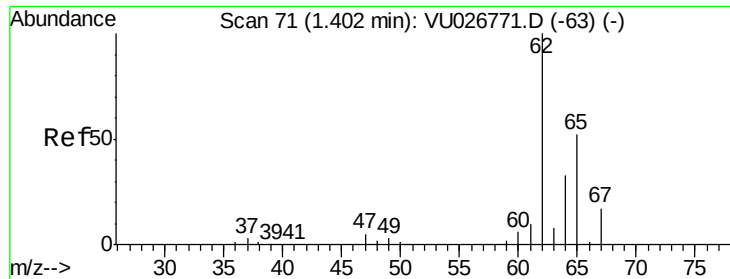
52 33.0 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.899 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026770.D

Acq: 15 Sep 2018 11:28

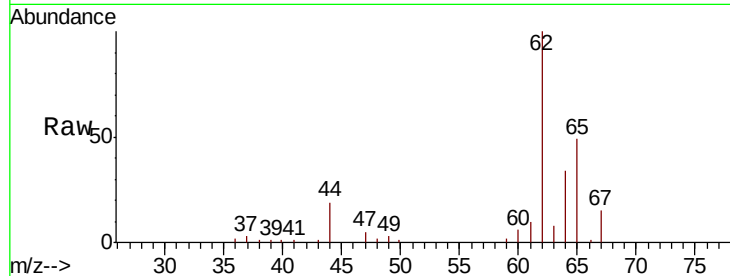
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 62 Resp: 14819

Ion Ratio Lower Upper

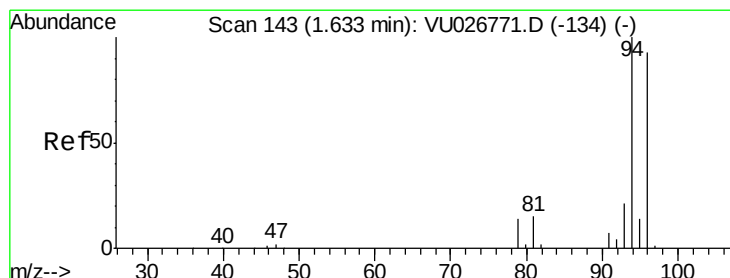
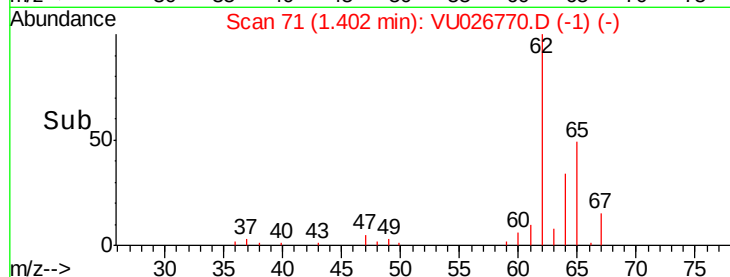
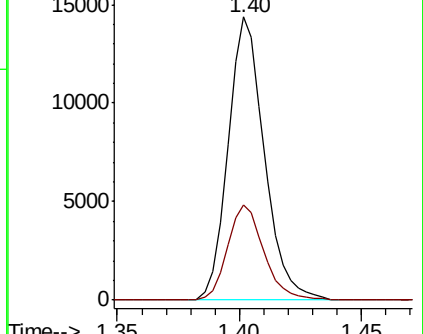
62 100

64 33.8 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.891 ug/L

RT: 1.63 min Scan# 143

Delta R.T. 0.00 min

Lab File: VU026770.D

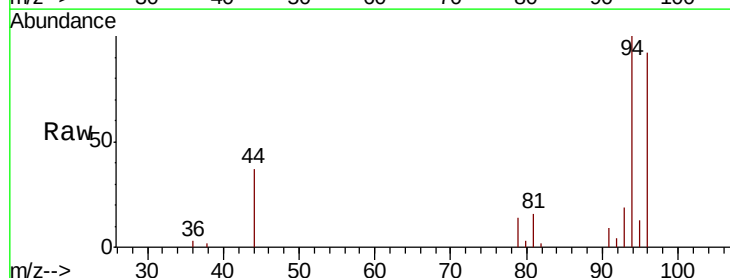
Acq: 15 Sep 2018 11:28

Tgt Ion: 94 Resp: 7122

Ion Ratio Lower Upper

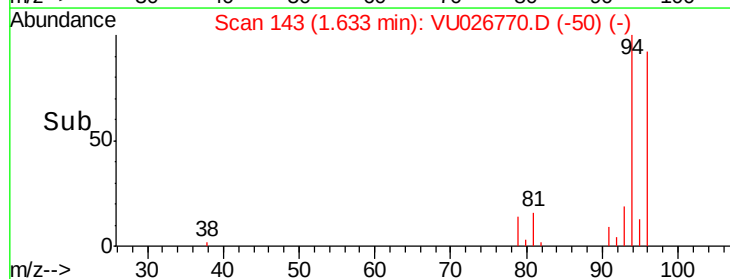
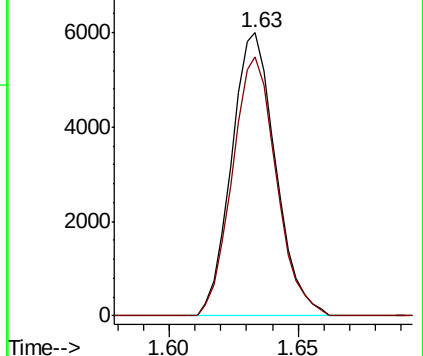
94 100

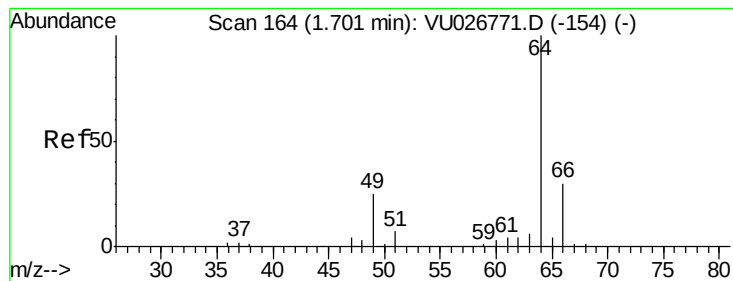
96 91.7 64.8 120.4



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 0.948 ug/L

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU026770.D

Acq: 15 Sep 2018 11:28

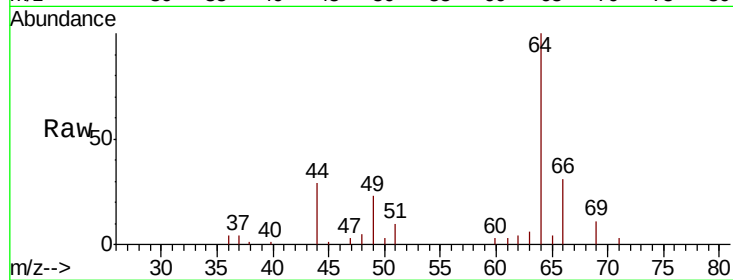
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 64 Resp: 9335

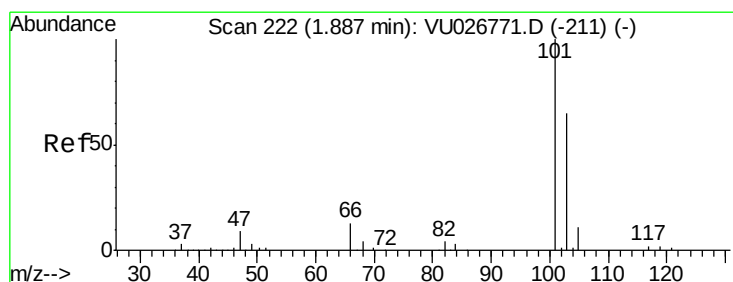
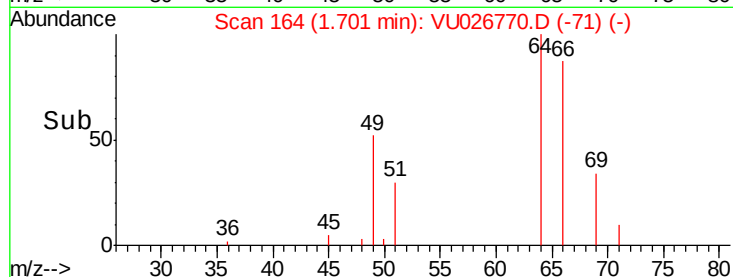
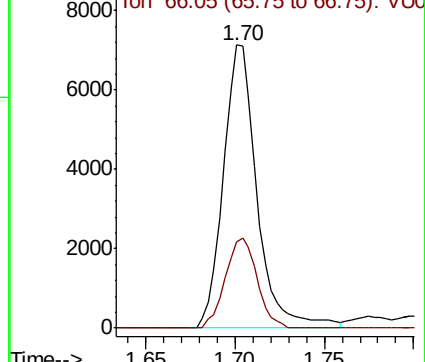
Ion Ratio Lower Upper

64 100

66 30.6 20.9 38.9



Abundance Ion 64.10 (63.80 to 64.80): VU026770.D (-154) (-)



#9

Trichlorofluoromethane

Concen: 0.932 ug/L

RT: 1.89 min Scan# 223

Delta R.T. 0.00 min

Lab File: VU026770.D

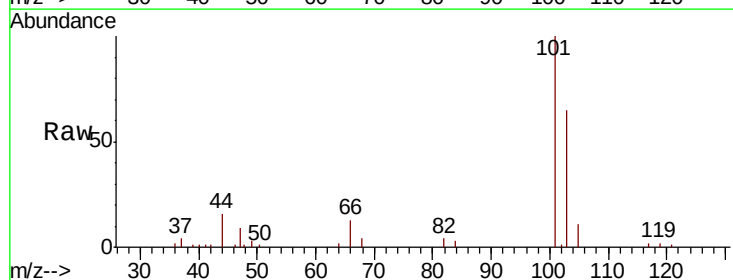
Acq: 15 Sep 2018 11:28

Tgt Ion: 101 Resp: 18465

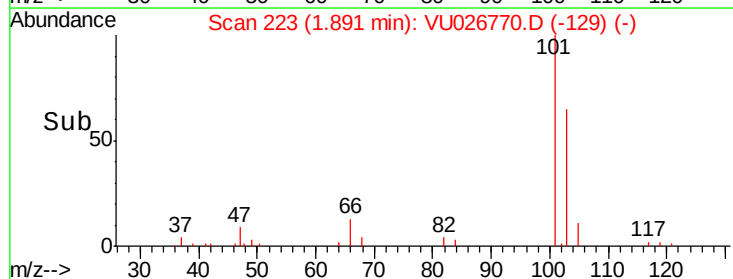
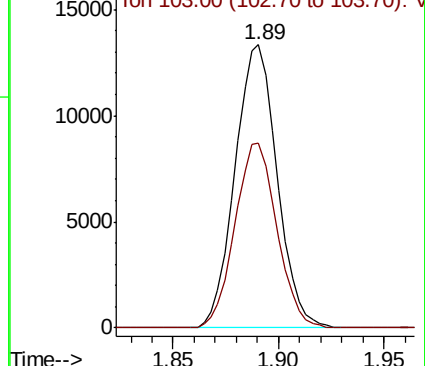
Ion Ratio Lower Upper

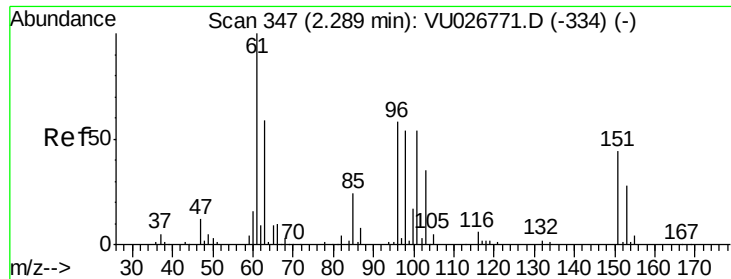
101 100

103 65.0 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VU026770.D (-211) (-)





#10

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

Concen: 0.912 ug/L

RT: 2.29 min Scan# 348

Delta R.T. 0.00 min

Lab File: VU026770.D

Acq: 15 Sep 2018 11:28

Instrument :

MSVOA_U

ClientSampleId :

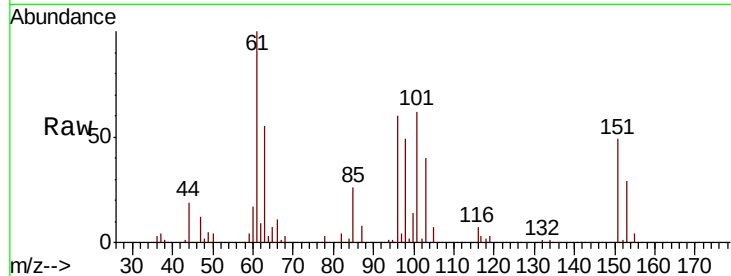
Tot Ion:101 Resp: 10613

Ion Ratio Lower Upper

101 100

85 43.4 35.1 52.7

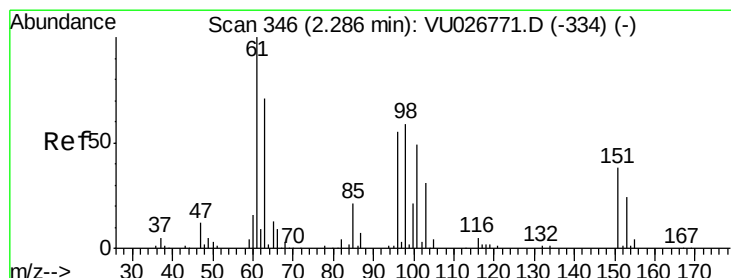
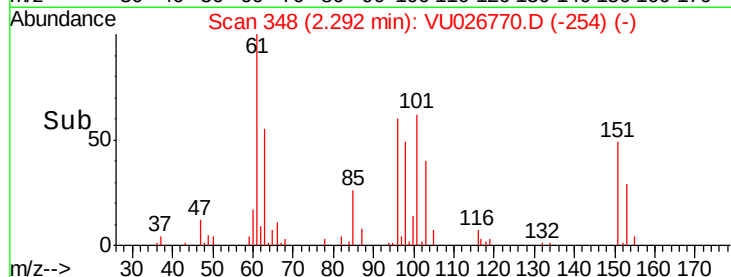
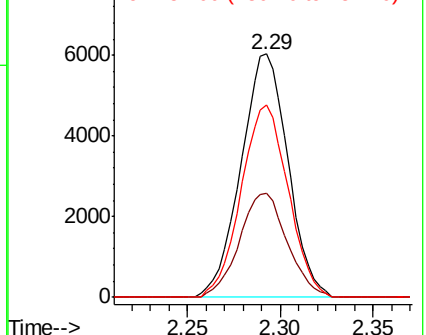
151 78.9 63.3 94.9



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: 0.938 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU026770.D

Acq: 15 Sep 2018 11:28

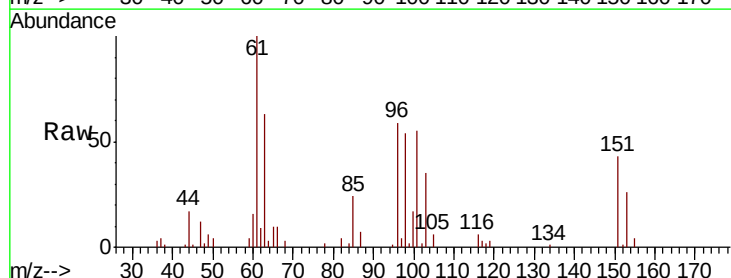
Tgt Ion: 96 Resp: 9981

Ion Ratio Lower Upper

96 100

61 170.3 126.6 235.2

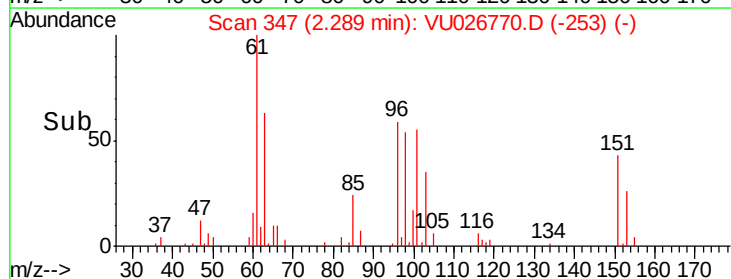
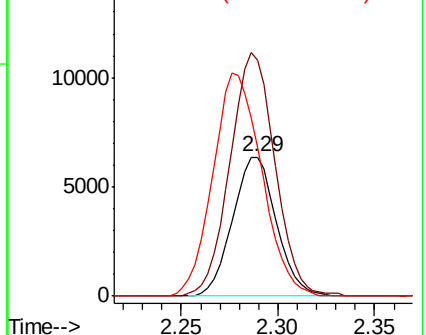
63 107.0 91.3 169.5

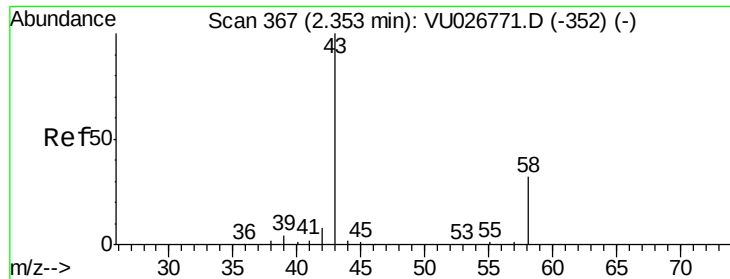


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 9.215 ug/L

RT: 2.36 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU026770.D

Acq: 15 Sep 2018 11:28

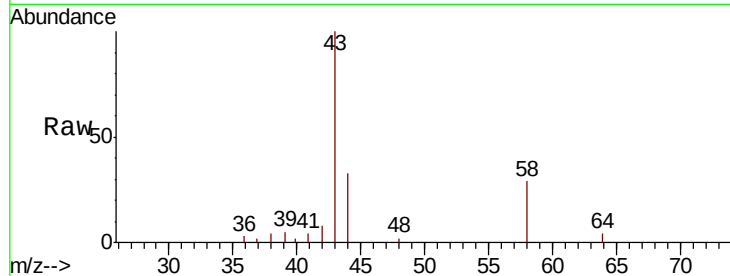
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 21638

Ion Ratio Lower Upper

43 100

58 12.0 0.0 63.0



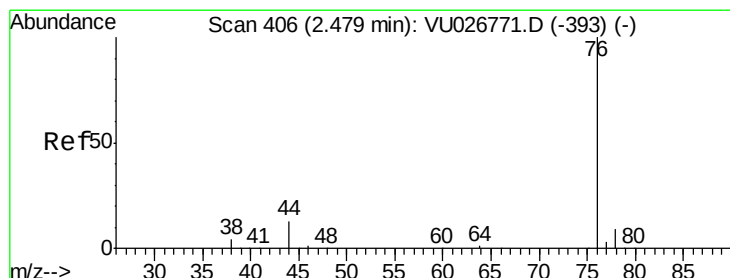
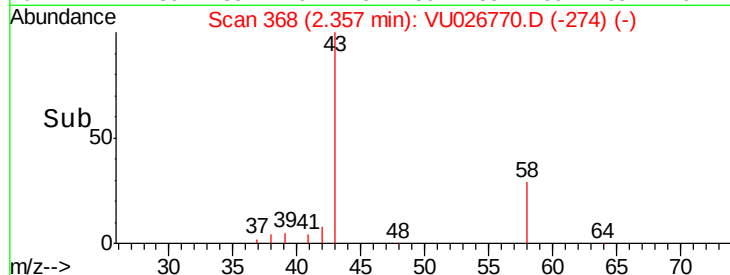
Abundance Ion 43.05 (42.75 to 43.75): VU026770.D (-367) (-)

Ion 58.05 (57.75 to 58.75): VU026770.D (-367) (-)

2.36

Time-->

2.30 2.40 2.50



#14

Carbon disulfide

Concen: 0.875 ug/L

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU026770.D

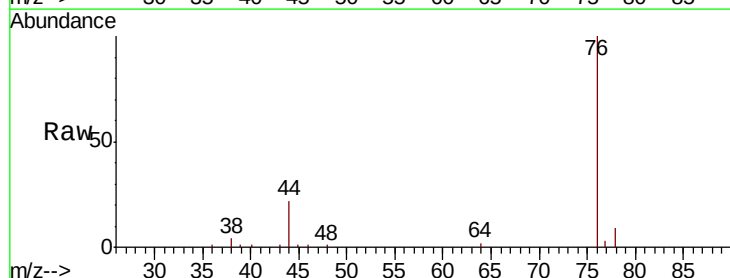
Acq: 15 Sep 2018 11:28

Tgt Ion: 76 Resp: 34107

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2



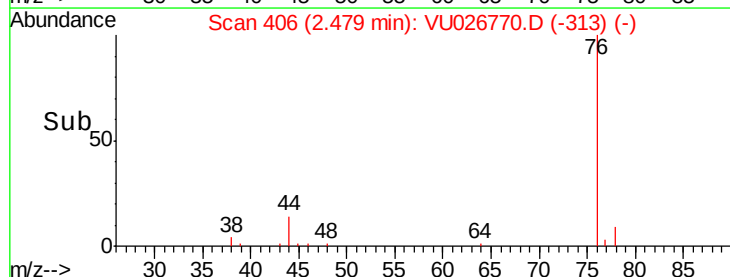
Abundance Ion 76.05 (75.75 to 76.75): VU026770.D (-406) (-)

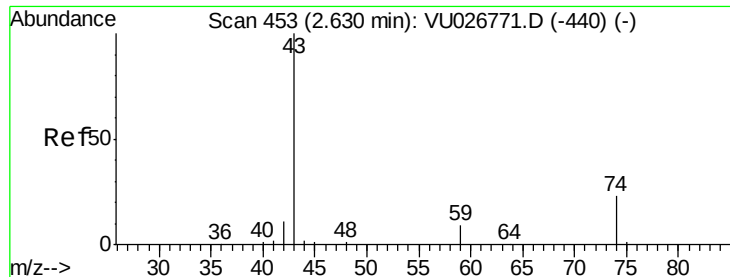
Ion 78.00 (77.70 to 78.70): VU026770.D (-406) (-)

2.48

Time-->

2.40 2.45 2.50 2.55

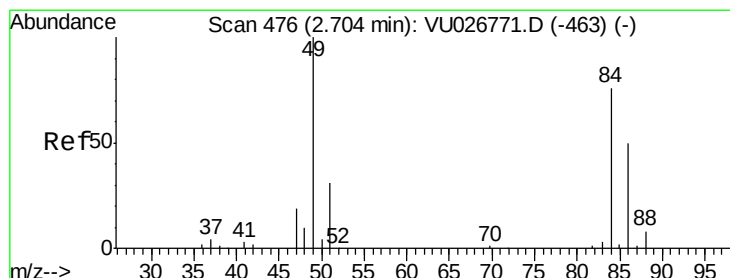
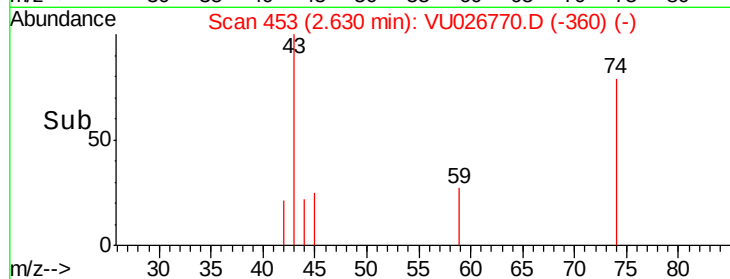
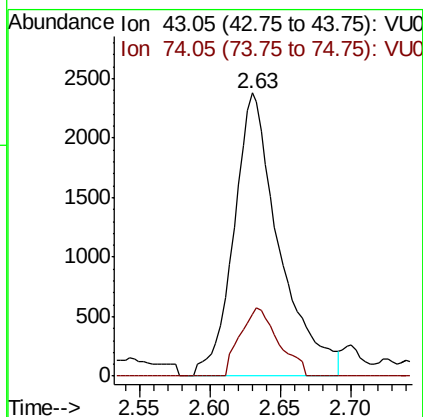
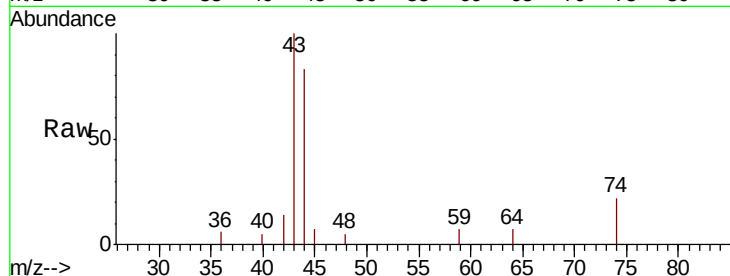




#15
Methyl Acetate
Concen: 0.823 ug/L
RT: 2.63 min Scan# 453
Delta R.T. 0.00 min
Lab File: VU026770.D
Acq: 15 Sep 2018 11:28

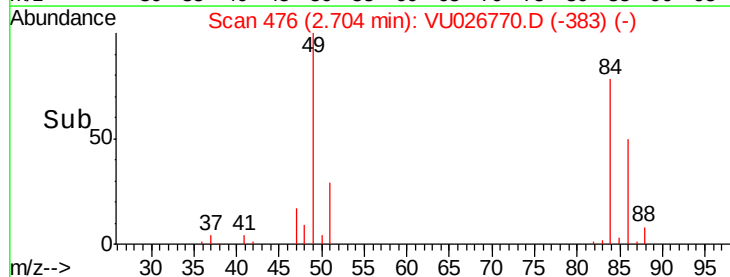
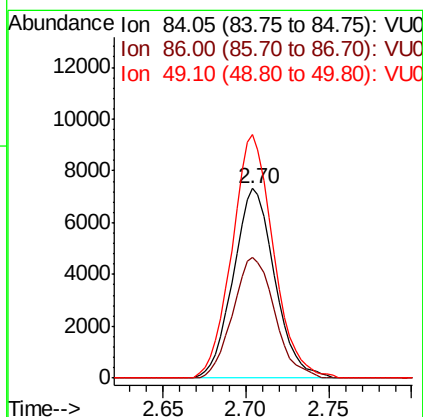
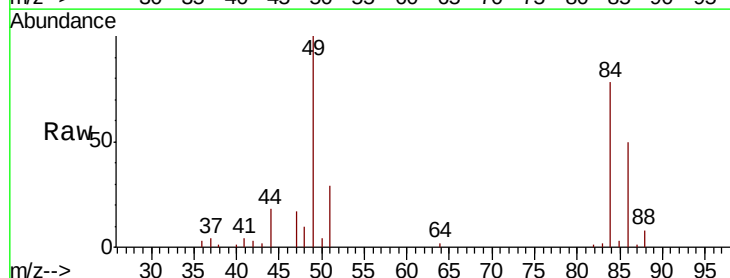
Instrument :
MSVOA_U
ClientSampled :

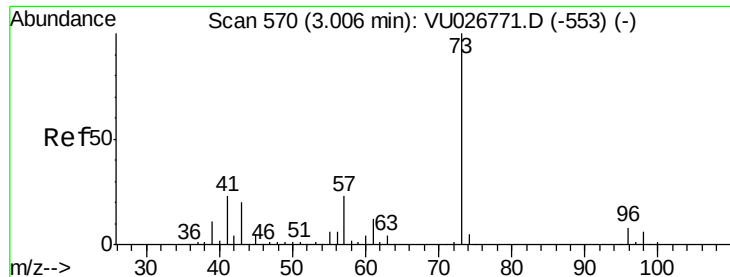
Tot Ion: 43 Resp: 5358
Ion Ratio Lower Upper
43 100
74 20.3 18.5 27.7



#16
Methylene chloride
Concen: 0.960 ug/L
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU026770.D
Acq: 15 Sep 2018 11:28

Tgt Ion: 84 Resp: 12730
Ion Ratio Lower Upper
84 100
86 63.9 46.1 85.5
49 128.3 92.1 171.1

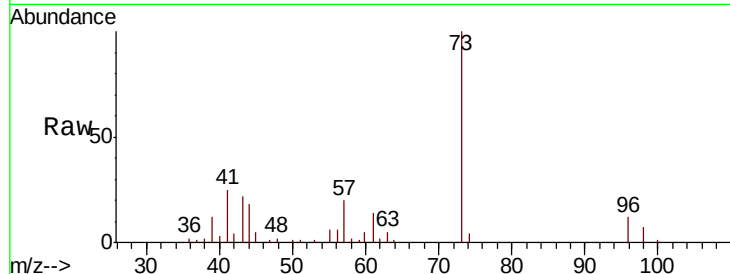




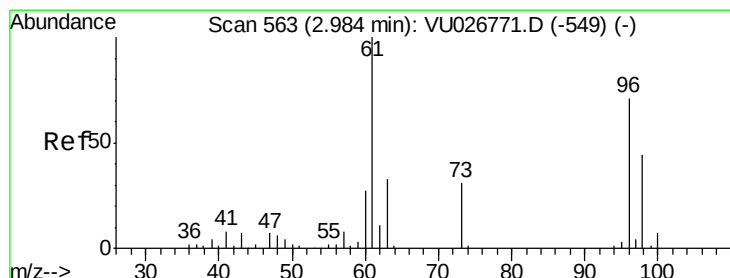
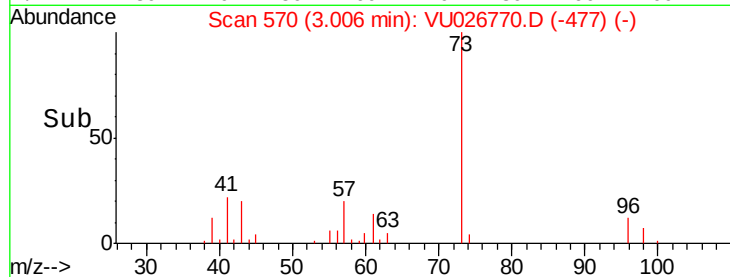
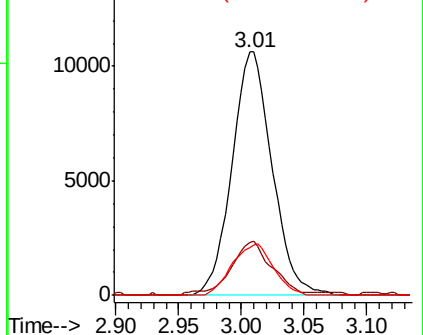
#17
Methyl tert-butyl Ether
Concen: 0.890 ug/L
RT: 3.01 min Scan# 570
Delta R.T. 0.00 min
Lab File: VU026770.D
Acq: 15 Sep 2018 11:28

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 23675
Ion Ratio Lower Upper
73 100
43 22.7 16.0 24.0
57 21.7 18.2 27.4

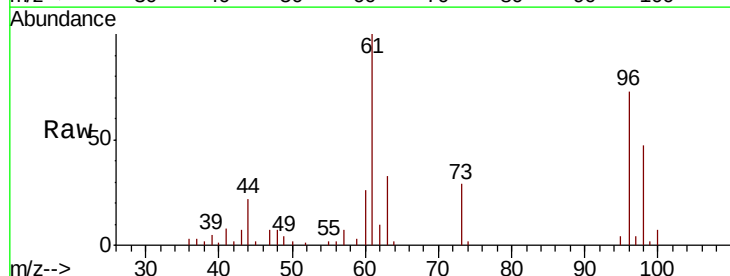


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

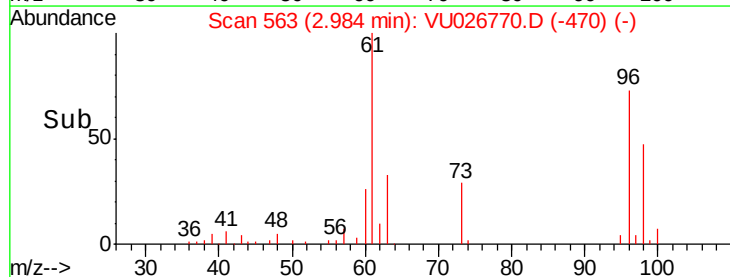
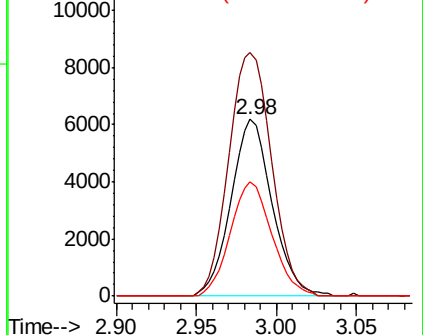


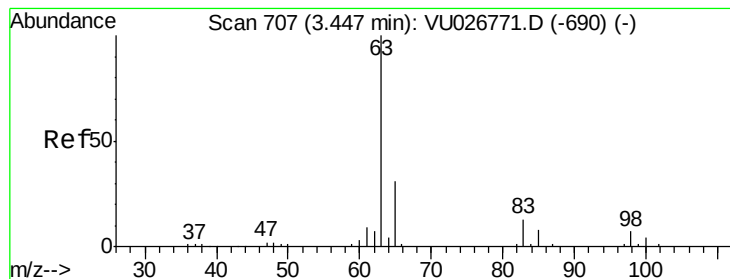
#18
trans-1,2-Dichloroethene
Concen: 0.927 ug/L
RT: 2.98 min Scan# 563
Delta R.T. 0.00 min
Lab File: VU026770.D
Acq: 15 Sep 2018 11:28

Tgt Ion: 96 Resp: 10863
Ion Ratio Lower Upper
96 100
61 137.6 99.0 183.8
98 64.5 43.1 80.1



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 0.849 ug/L

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU026770.D

Acq: 15 Sep 2018 11:28

Instrument :
MSVOA_U
ClientSampleId :

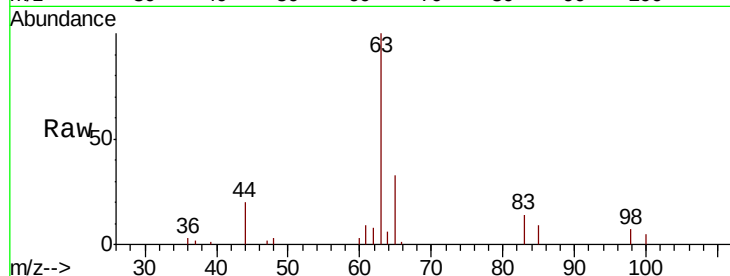
Tot Ion: 63 Resp: 20221

Ion Ratio Lower Upper

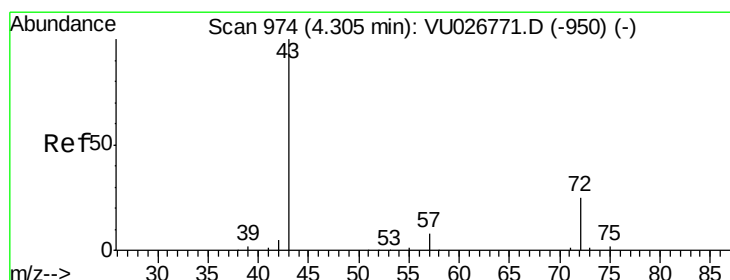
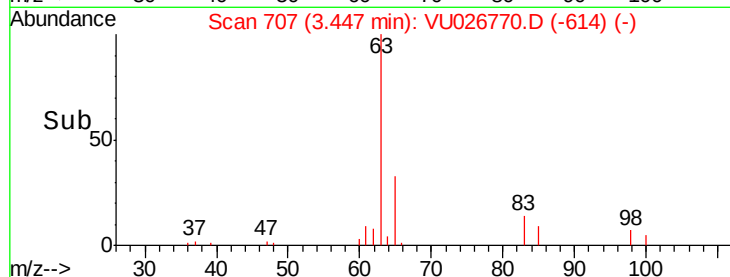
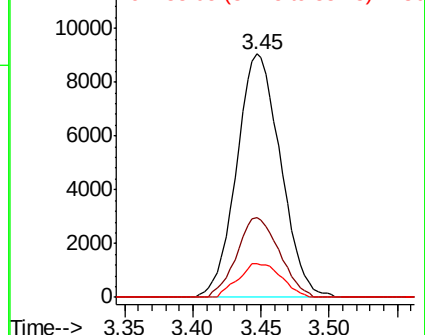
63 100

65 32.9 21.7 40.3

83 14.0 9.0 16.6



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0



#21

2-Butanone

Concen: 10.764 ug/L

RT: 4.31 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU026770.D

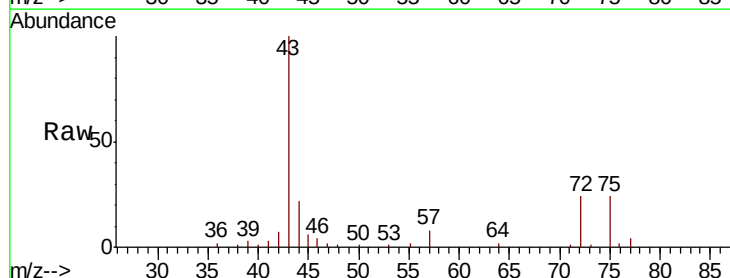
Acq: 15 Sep 2018 11:28

Tgt Ion: 43 Resp: 33779

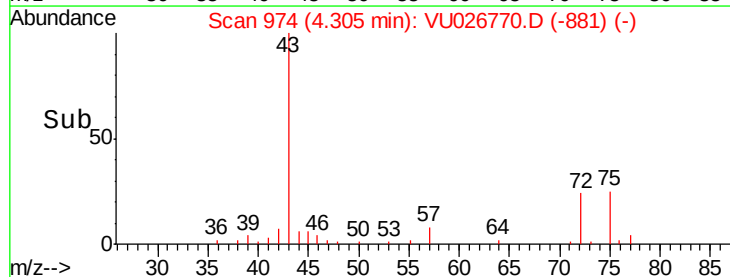
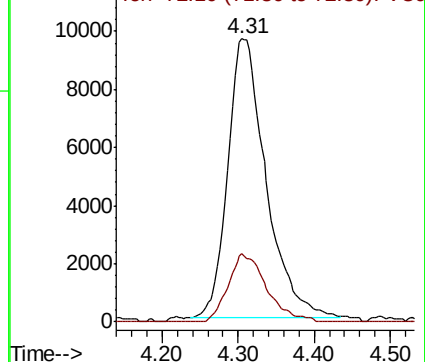
Ion Ratio Lower Upper

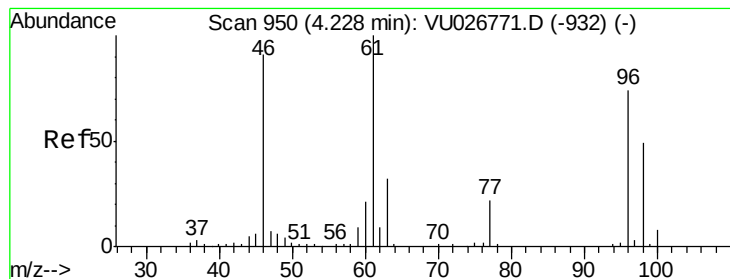
43 100

72 24.3 12.6 37.8



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 72.10 (71.80 to 72.80): VU0



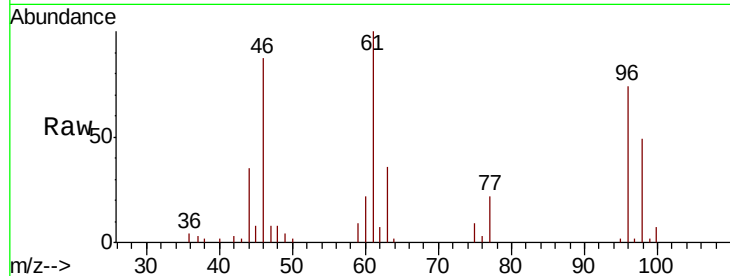


#22

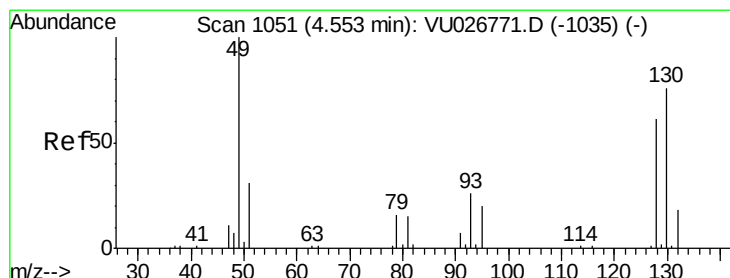
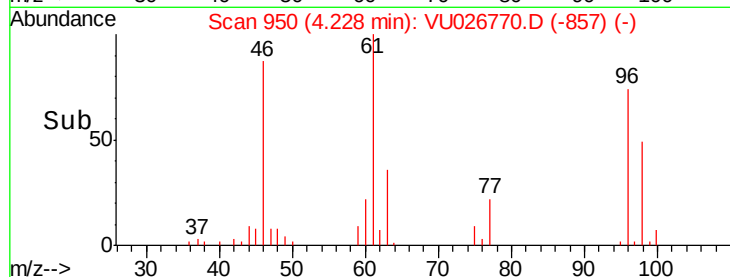
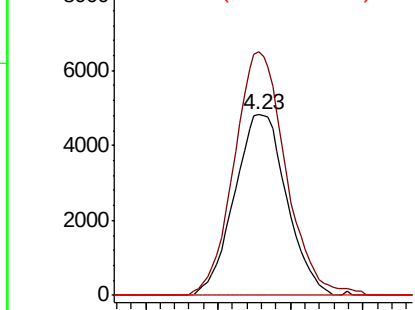
cis-1,2-Dichloroethene
 Concen: 1.001 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU026770.D
 Acq: 15 Sep 2018 11:28

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 96 Resp: 12077
 Ion Ratio Lower Upper
 96 100
 61 135.1 94.4 175.2
 68 0.0 0.0 0.0



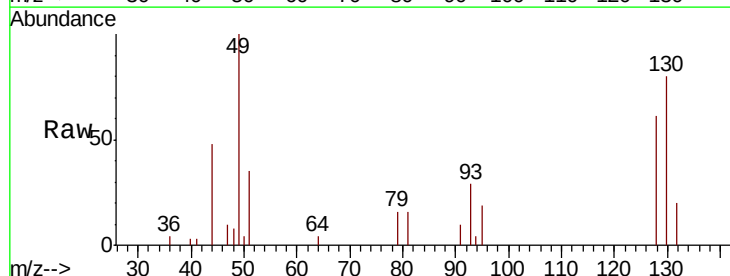
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



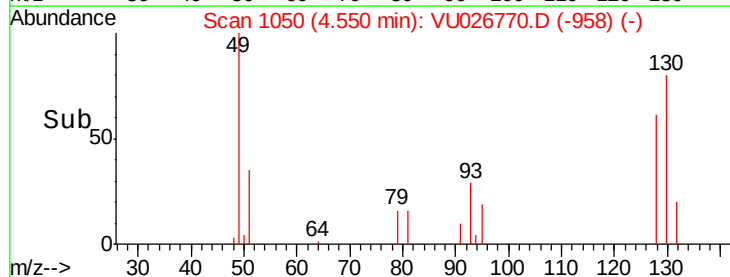
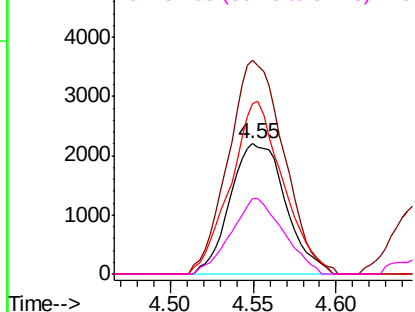
#23

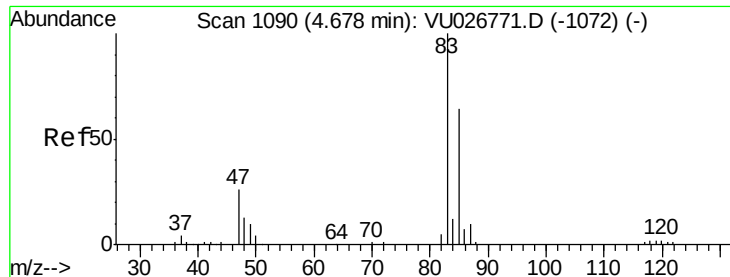
Bromochloromethane
 Concen: 1.042 ug/L
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU026770.D
 Acq: 15 Sep 2018 11:28

Tgt Ion: 128 Resp: 5129
 Ion Ratio Lower Upper
 128 100
 49 164.1 115.0 213.6
 130 131.2 87.2 161.9
 51 57.9 40.6 61.0



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0





#25

Chloroform

Concen: 0.861 ug/L

RT: 4.68 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VU026770.D

Acq: 15 Sep 2018 11:28

Instrument :

MSVOA_U

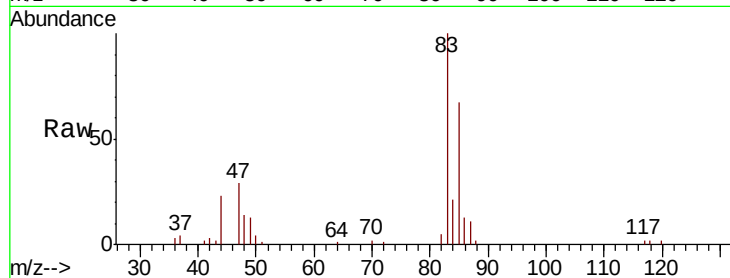
ClientSampled :

Tot Ion: 83 Resp: 19965

Ion Ratio Lower Upper

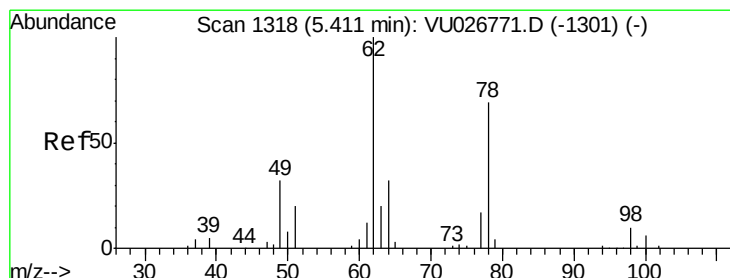
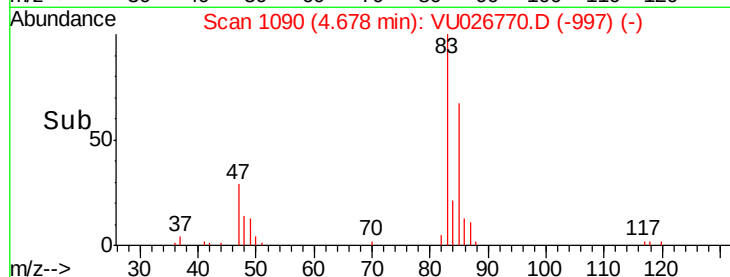
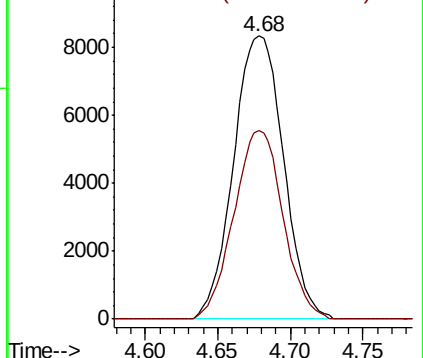
83 100

85 66.6 44.8 83.2



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0



#27

1,2-Dichloroethane

Concen: 0.957 ug/L

RT: 5.41 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VU026770.D

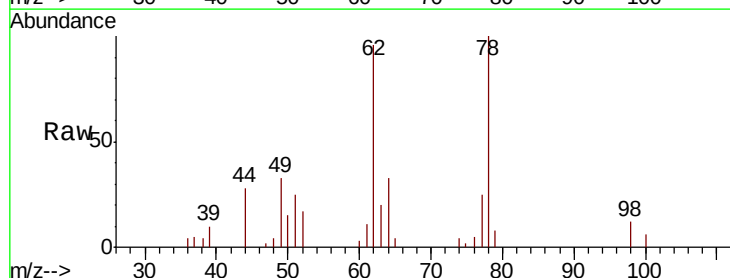
Acq: 15 Sep 2018 11:28

Tgt Ion: 62 Resp: 12571

Ion Ratio Lower Upper

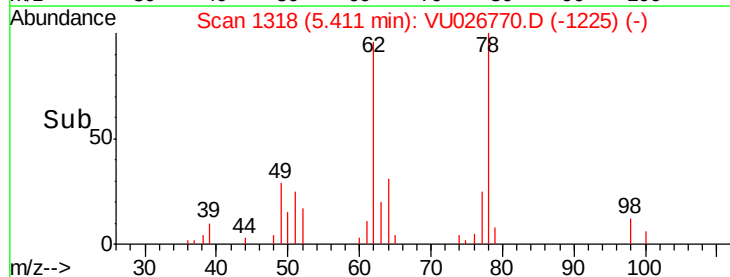
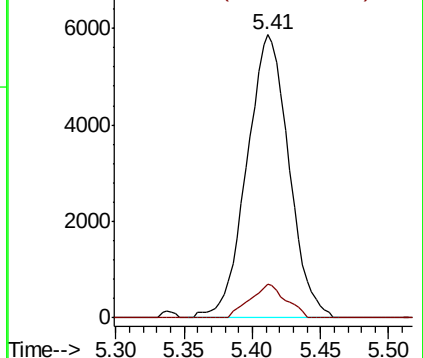
62 100

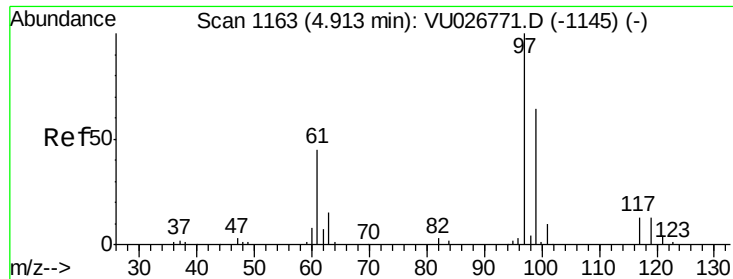
98 12.1 7.8 11.8#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0

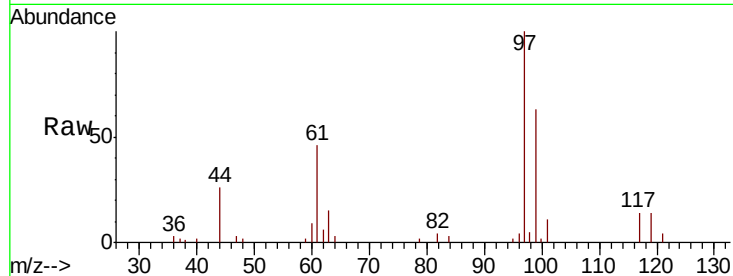




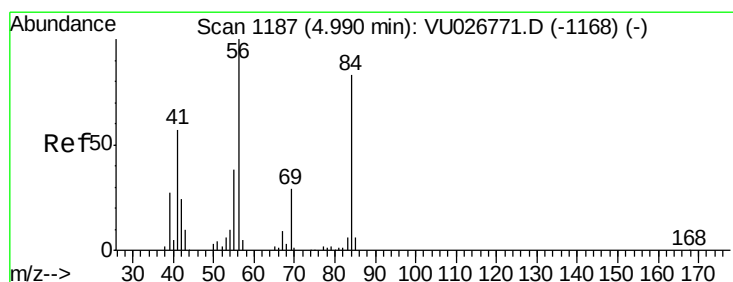
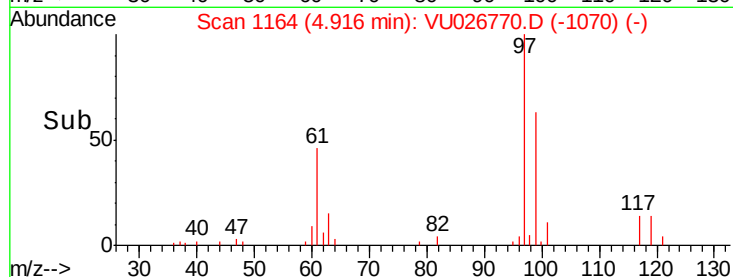
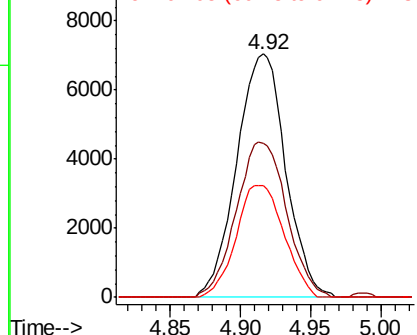
#29
 1,1,1-Trichloroethane
 Concen: 1.144 ug/L
 RT: 4.92 min Scan# 1164
 Delta R.T. 0.00 min
 Lab File: VU026770.D
 Acq: 15 Sep 2018 11:28

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 17072
 Ion Ratio Lower Upper
 97 100
 99 65.7 51.5 77.3
 61 45.2 36.6 54.8

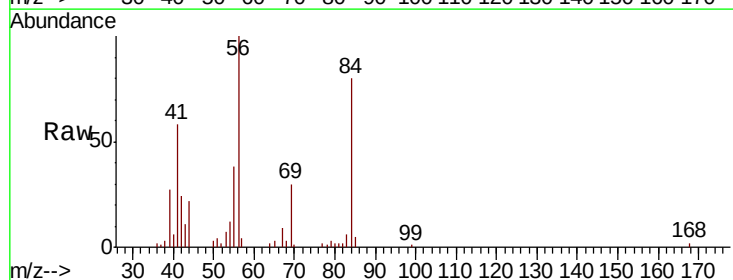


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

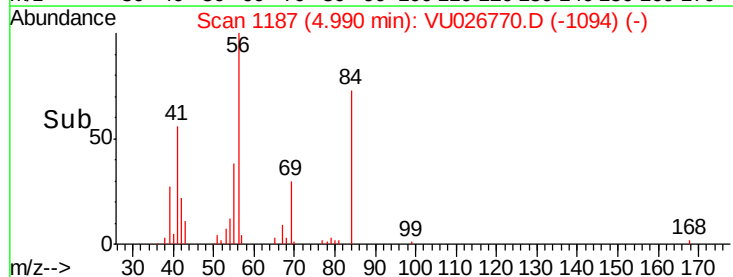
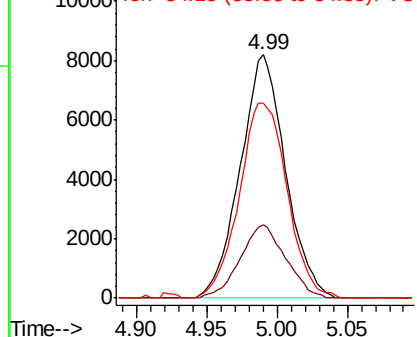


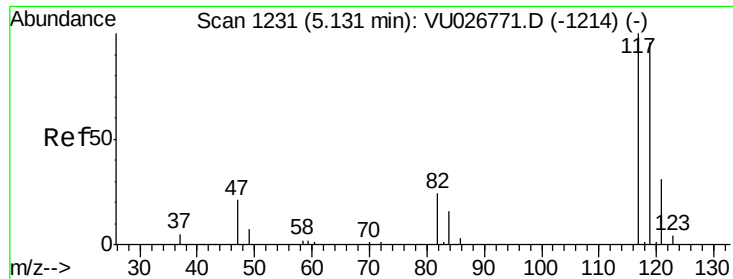
#30
 Cyclohexane
 Concen: 1.185 ug/L
 RT: 4.99 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VU026770.D
 Acq: 15 Sep 2018 11:28

Tgt Ion: 56 Resp: 18414
 Ion Ratio Lower Upper
 56 100
 69 30.1 23.9 35.9
 84 84.9 66.6 100.0



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 1.102 ug/L

RT: 5.13 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VU026770.D

Acq: 15 Sep 2018 11:28

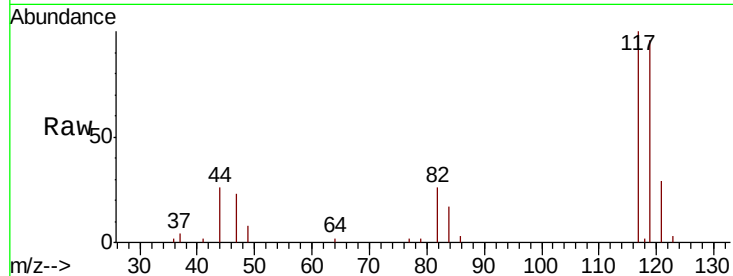
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 14761

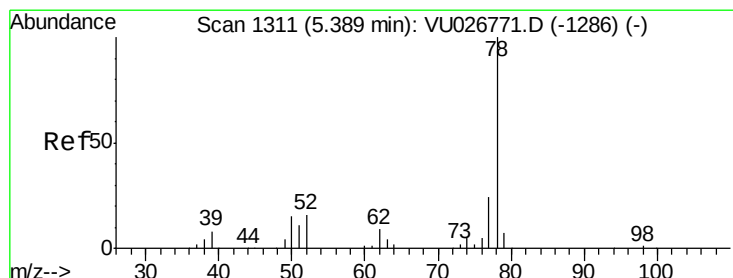
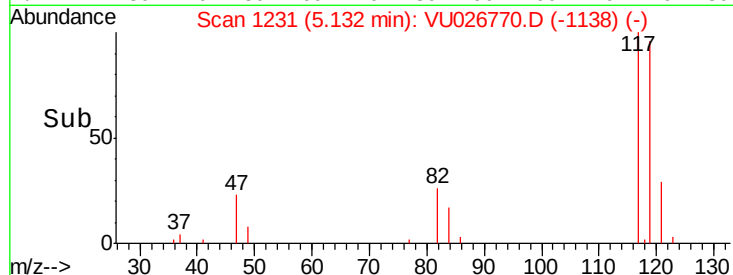
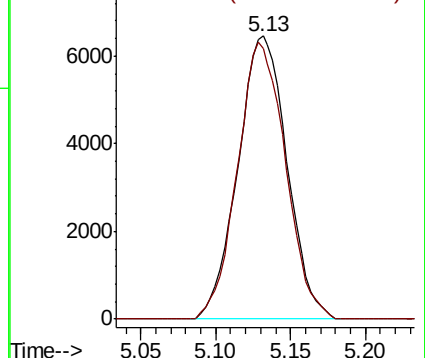
Ion Ratio Lower Upper

117 100

119 95.9 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: 1.115 ug/L

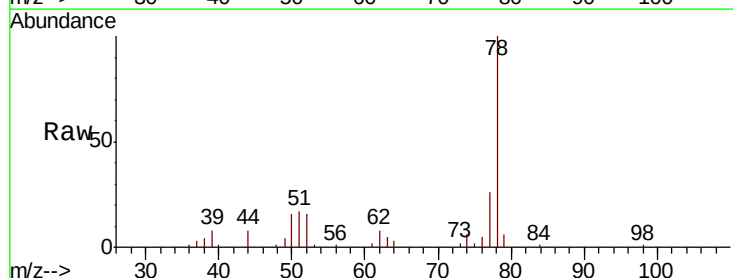
RT: 5.39 min Scan# 1311

Delta R.T. 0.00 min

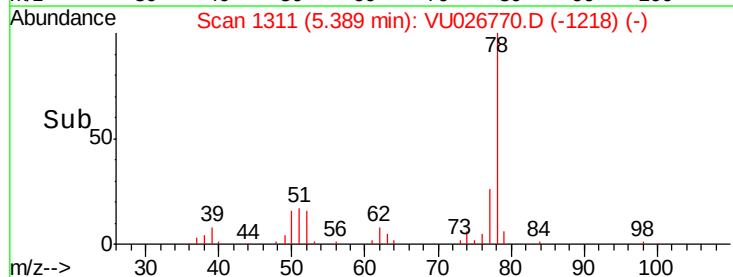
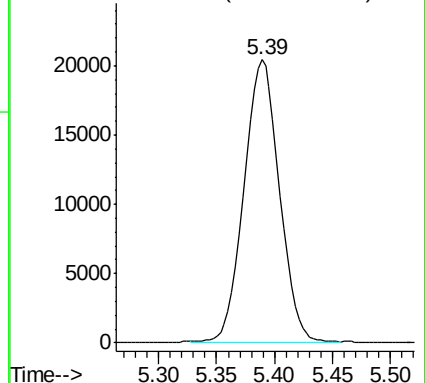
Lab File: VU026770.D

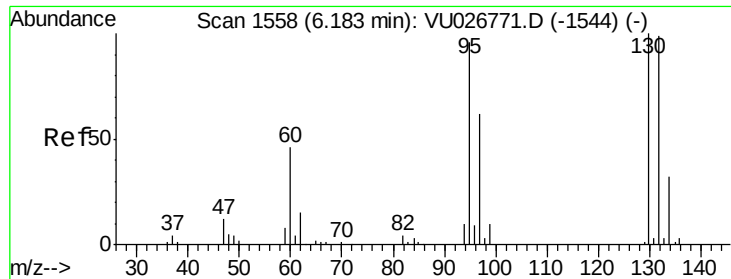
Acq: 15 Sep 2018 11:28

Tgt Ion: 78 Resp: 43673



Abundance Ion 78.10 (77.80 to 78.80): VU0

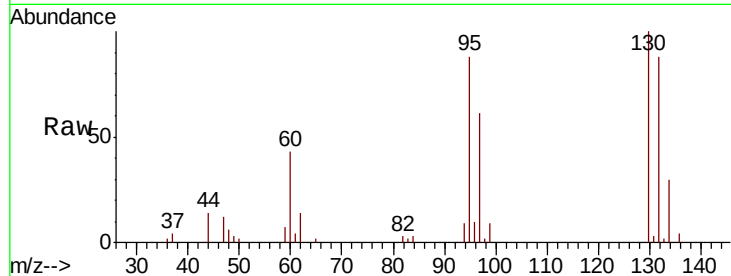




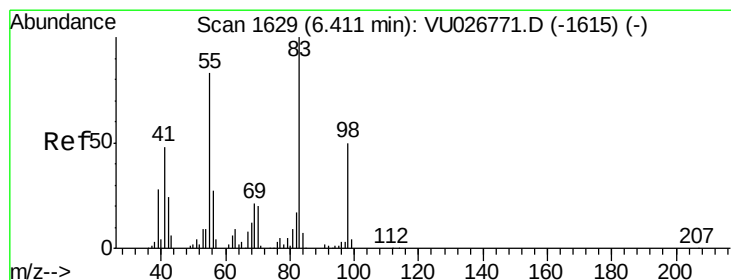
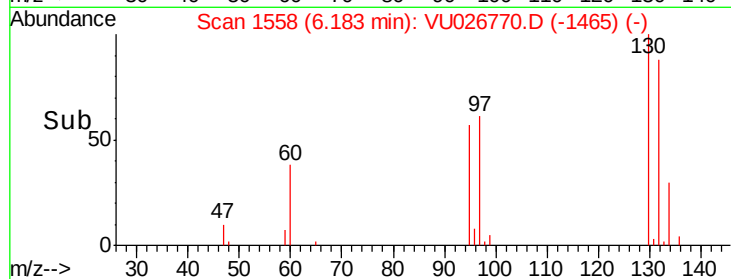
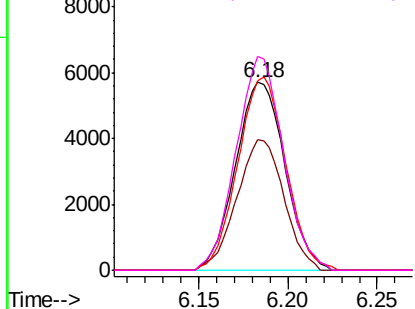
#34
 Trichloroethene
 Concen: 1.044 ug/L
 RT: 6.18 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: VU026770.D
 Acq: 15 Sep 2018 11:28

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 95 Resp: 11055
 Ion Ratio Lower Upper
 95 100
 97 69.2 45.1 83.9
 132 100.5 72.0 133.8
 130 113.7 73.1 135.7

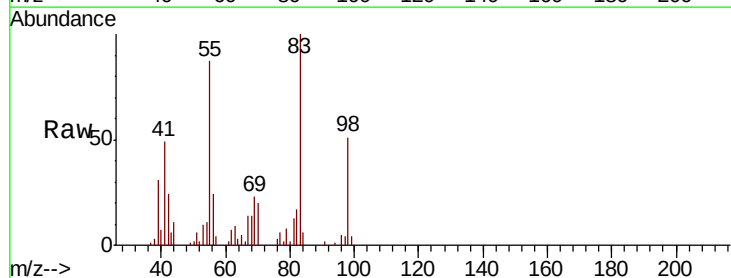


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

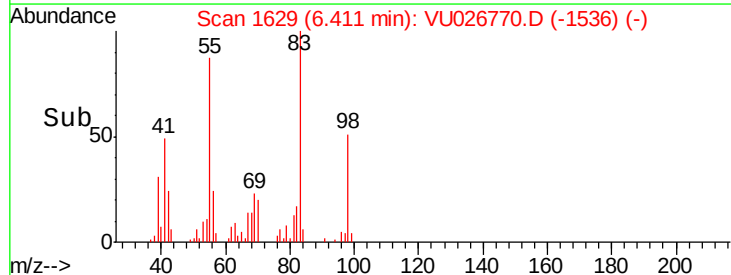
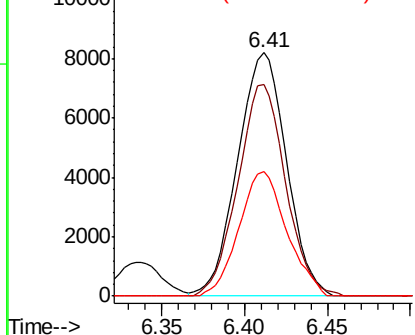


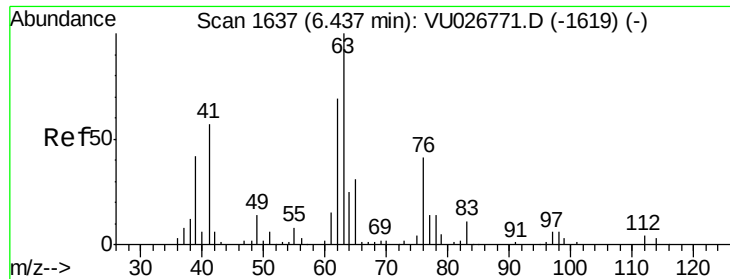
#35
 Methylcyclohexane
 Concen: 1.099 ug/L
 RT: 6.41 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VU026770.D
 Acq: 15 Sep 2018 11:28

Tgt Ion: 83 Resp: 16793
 Ion Ratio Lower Upper
 83 100
 55 85.1 64.9 97.3
 98 50.1 39.3 58.9



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

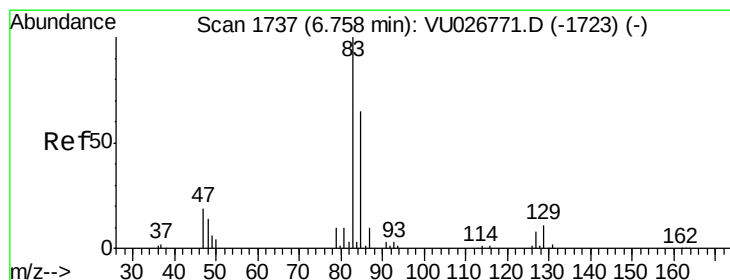
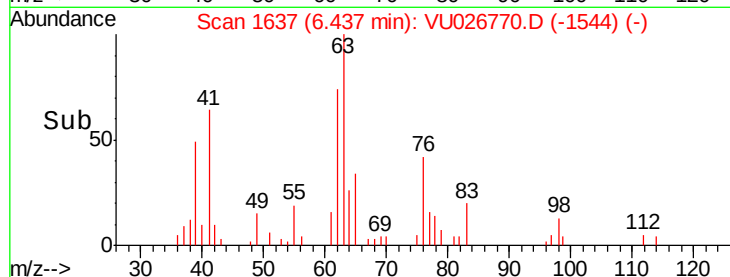
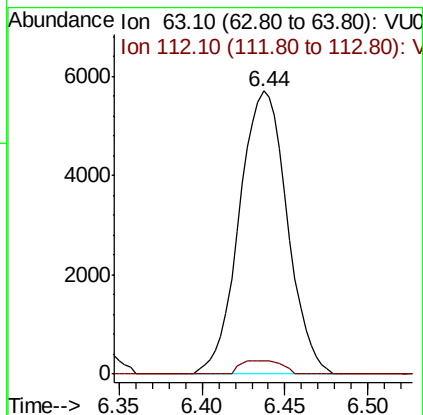
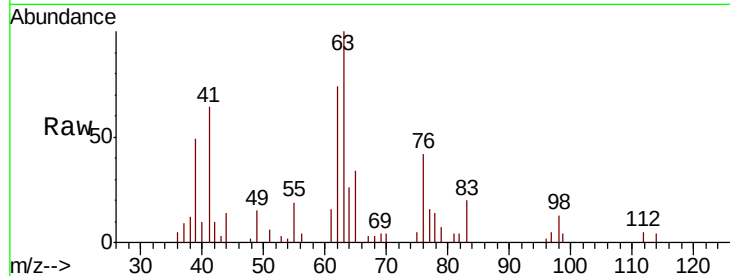




#37
 1,2-Dichloropropane
 Concen: 1.068 ug/L
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU026770.D
 Acq: 15 Sep 2018 11:28

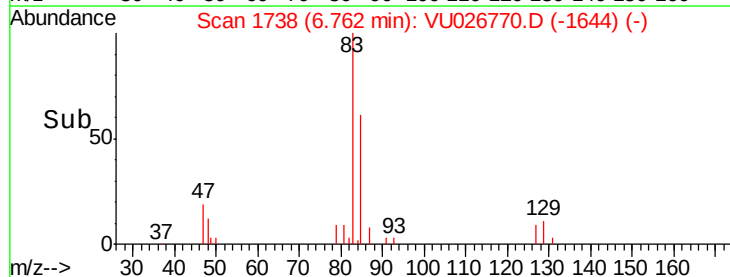
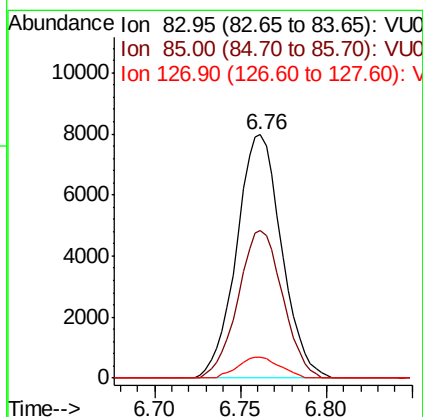
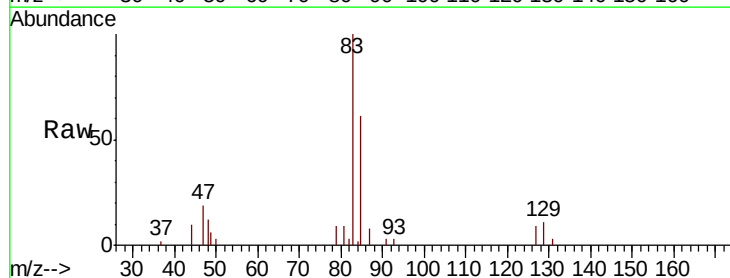
Instrument :
 MSVOA_U
 ClientSampleId :

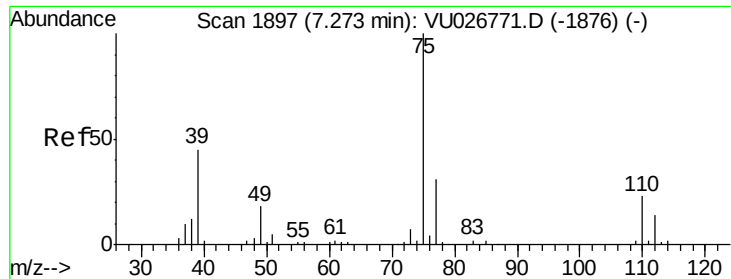
Tot Ion: 63 Resp: 11506
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.4 5.2



#38
 Bromodichloromethane
 Concen: 1.136 ug/L
 RT: 6.76 min Scan# 1738
 Delta R.T. 0.00 min
 Lab File: VU026770.D
 Acq: 15 Sep 2018 11:28

Tgt Ion: 83 Resp: 14451
 Ion Ratio Lower Upper
 83 100
 85 60.7 45.8 85.0
 127 8.6 6.6 10.0

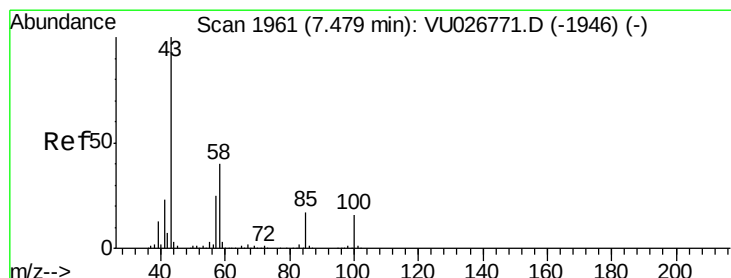
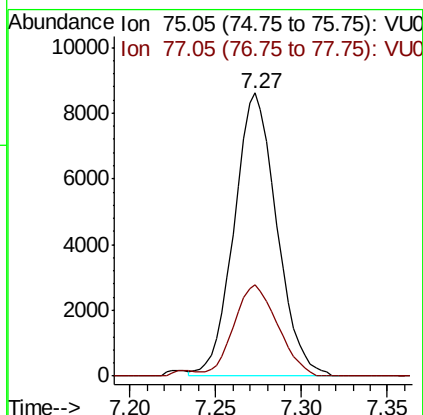
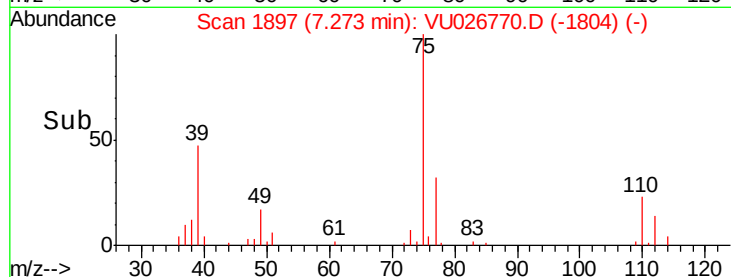
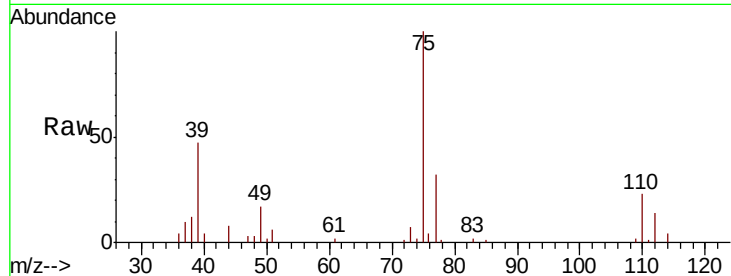




#39
 cis-1,3-Dichloropropene
 Concen: 1.072 ug/L
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.00 min
 Lab File: VU026770.D
 Acq: 15 Sep 2018 11:28

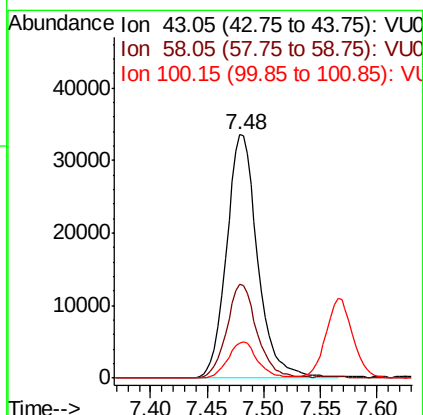
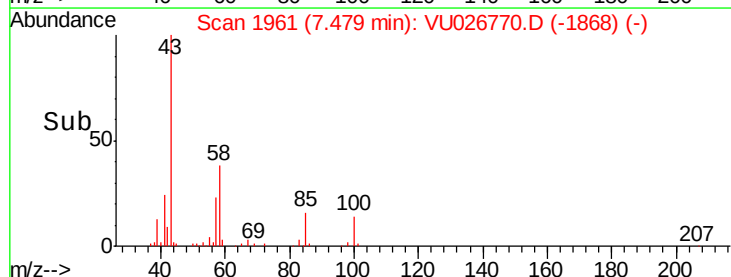
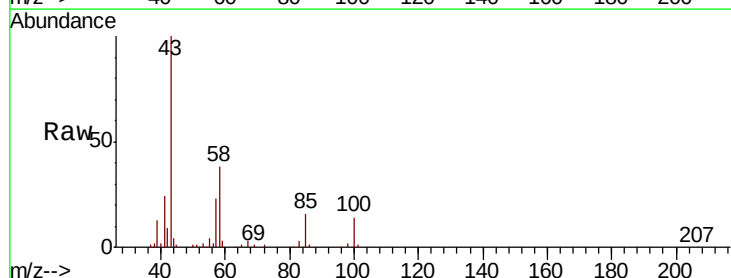
Instrument :
 MSVOA_U
 ClientSampleId :

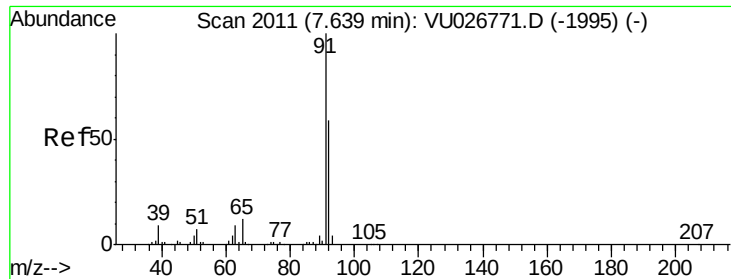
Tot Ion: 75 Resp: 14818
 Ion Ratio Lower Upper
 75 100
 77 32.1 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 10.463 ug/L
 RT: 7.48 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: VU026770.D
 Acq: 15 Sep 2018 11:28

Tgt Ion: 43 Resp: 64134
 Ion Ratio Lower Upper
 43 100
 58 37.5 30.9 46.3
 100 14.2 12.3 18.5





#42

Toluene

Concen: 1.056 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026770.D

Acq: 15 Sep 2018 11:28

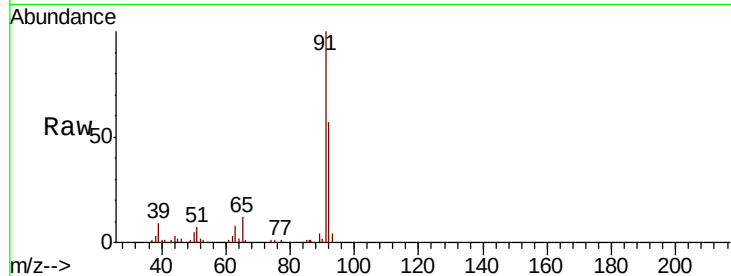
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 41976

Ion Ratio Lower Upper

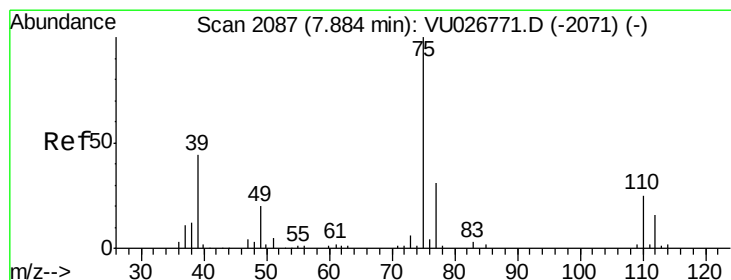
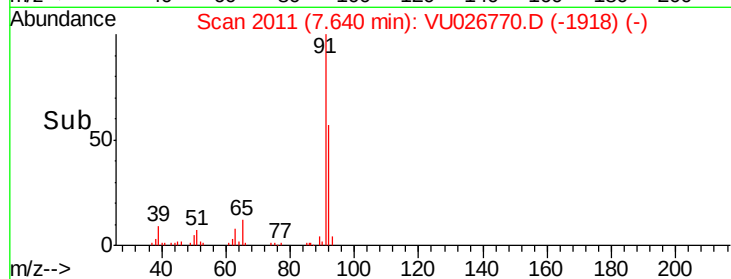
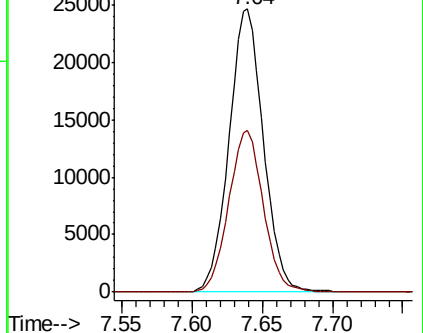
91 100

92 57.3 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: 1.025 ug/L

RT: 7.89 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VU026770.D

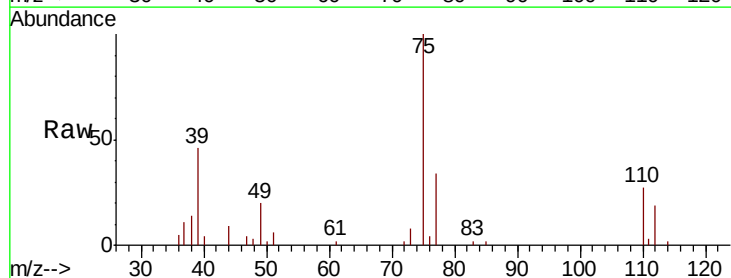
Acq: 15 Sep 2018 11:28

Tgt Ion: 75 Resp: 11577

Ion Ratio Lower Upper

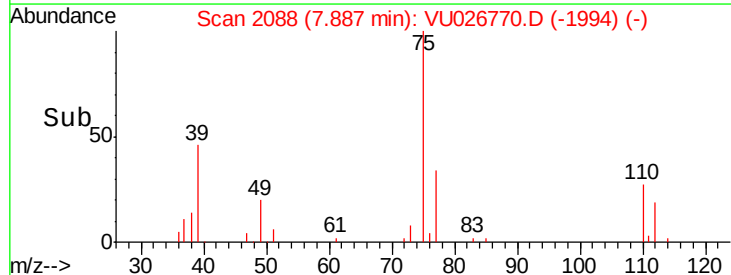
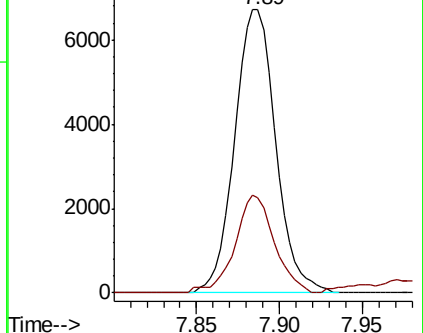
75 100

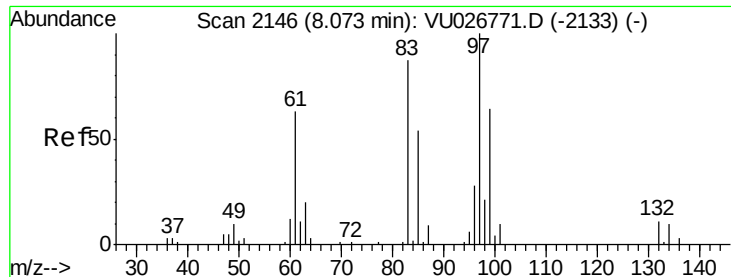
77 33.8 21.7 40.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

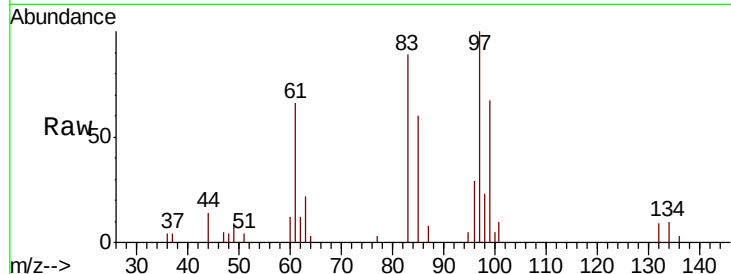




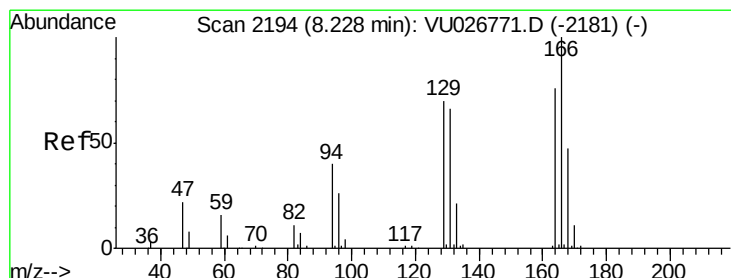
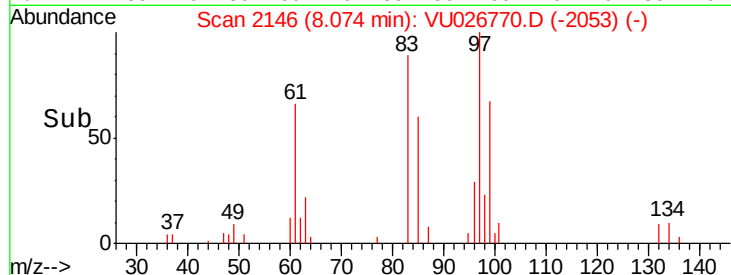
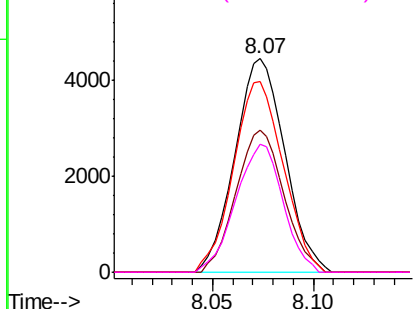
#45
 1,1,2-Trichloroethane
 Concen: 1.123 ug/L
 RT: 8.07 min Scan# 2146
 Delta R.T. 0.00 min
 Lab File: VU026770.D
 Acq: 15 Sep 2018 11:28

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	7684
Ion	Ratio	Lower	Upper
97	100		
99	66.5	45.0	83.6
83	89.2	60.8	112.8
85	59.8	38.1	70.9

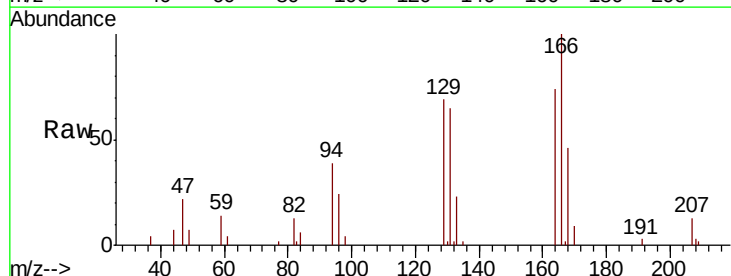


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

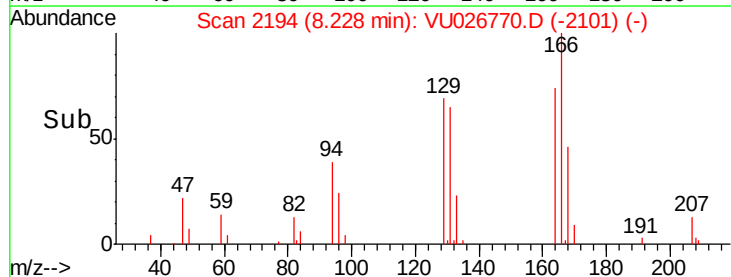
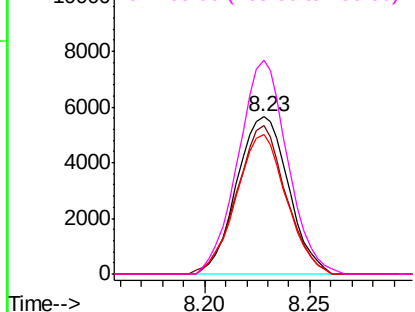


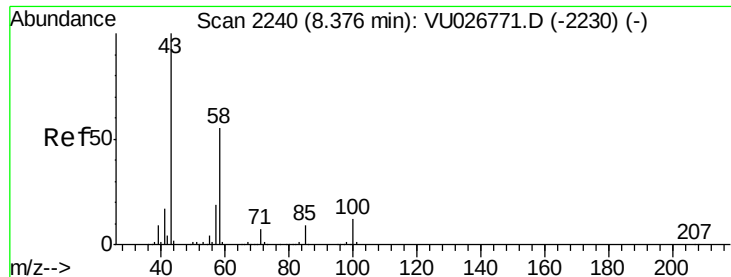
#47
 Tetrachloroethene
 Concen: 1.185 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VU026770.D
 Acq: 15 Sep 2018 11:28

Tgt Ion:	164	Resp:	9602
Ion	Ratio	Lower	Upper
164	100		
129	94.1	64.8	120.3
131	88.5	61.4	114.0
166	135.8	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

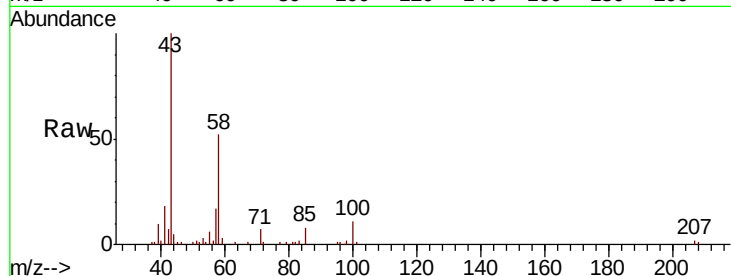




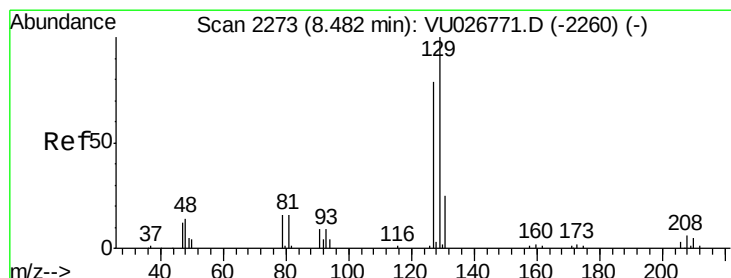
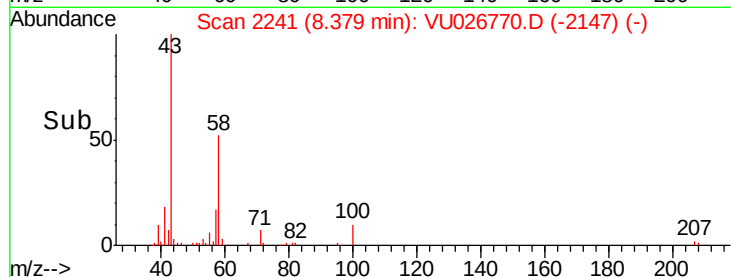
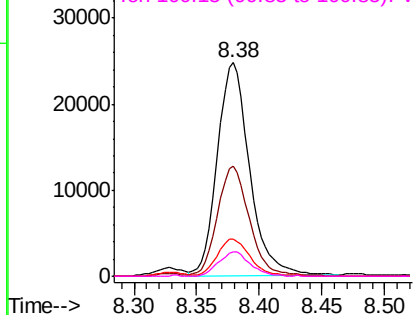
#48
2-Hexanone
Concen: 9.762 ug/L
RT: 8.38 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VU026770.D
Acq: 15 Sep 2018 11:28

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.9	43.7	65.5
57	18.2	15.2	22.8
100	11.1	10.1	15.1

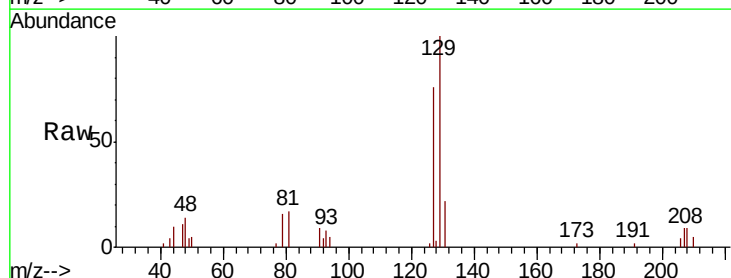


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

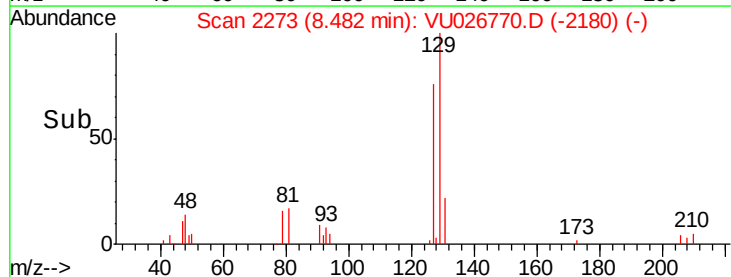
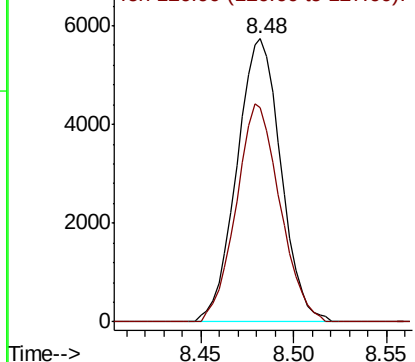


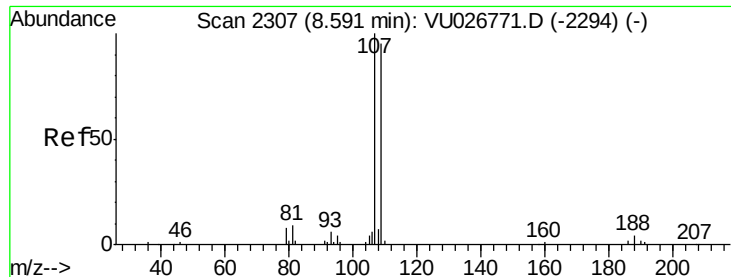
#49
Dibromochloromethane
Concen: 1.130 ug/L
RT: 8.48 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VU026770.D
Acq: 15 Sep 2018 11:28

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.9	55.4	103.0



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

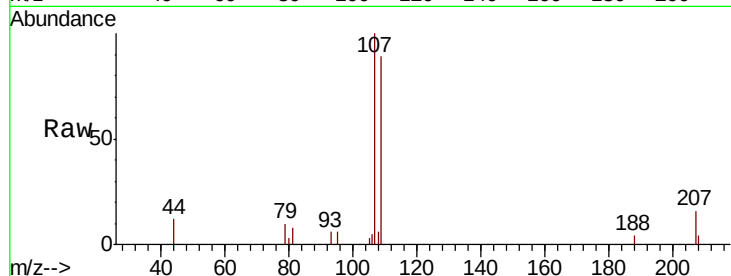




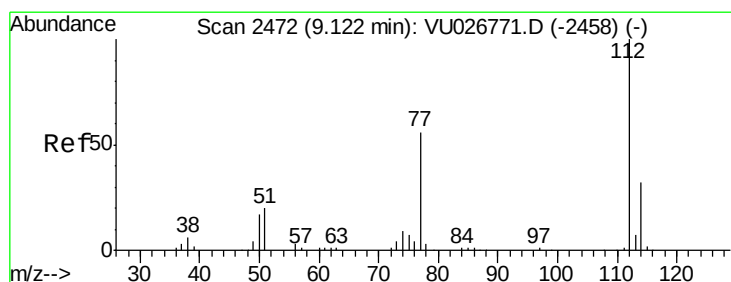
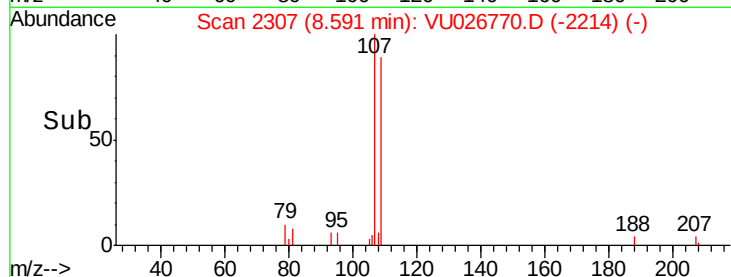
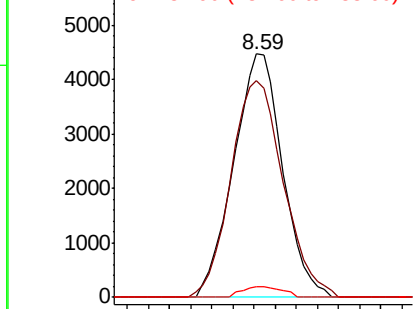
#50
1,2-Dibromoethane
Concen: 1.116 ug/L
RT: 8.59 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VU026770.D
Acq: 15 Sep 2018 11:28

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:107 Resp: 7212
Ion Ratio Lower Upper
107 100
109 89.1 66.4 123.2
188 4.2 3.1 4.7

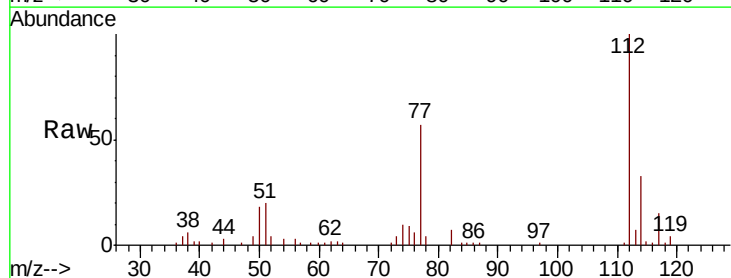


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

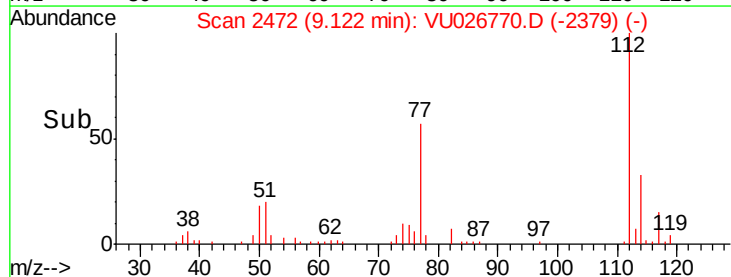
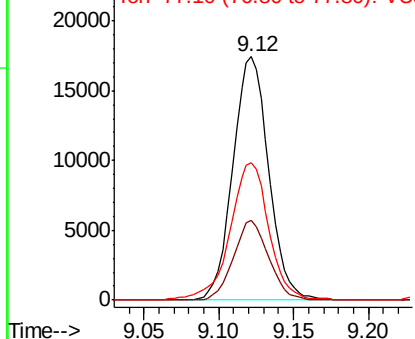


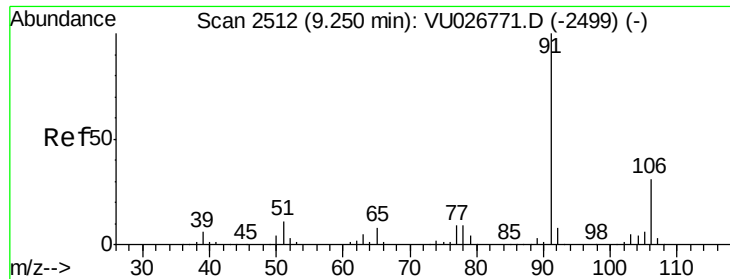
#51
Chlorobenzene
Concen: 1.116 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026770.D
Acq: 15 Sep 2018 11:28

Tgt Ion:112 Resp: 29034
Ion Ratio Lower Upper
112 100
114 32.9 22.6 42.0
77 56.5 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): V





#52

Ethylbenzene

Concen: 0.922 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU026770.D

Acq: 15 Sep 2018 11:28

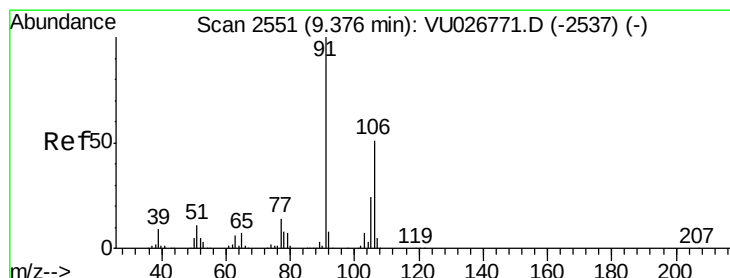
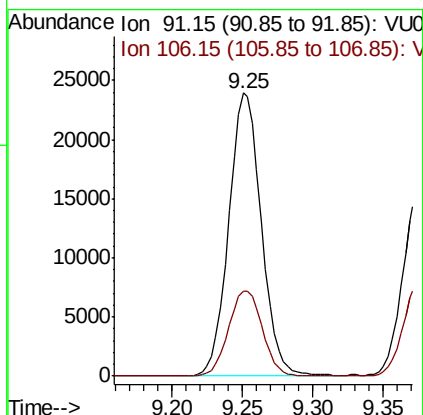
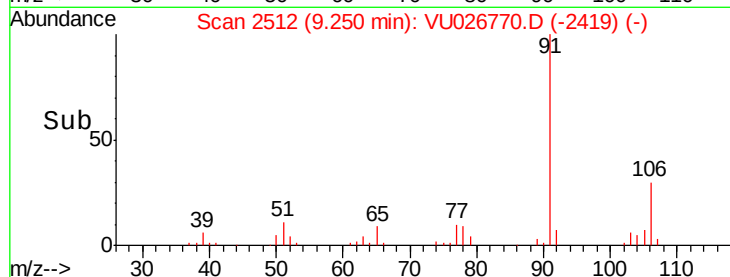
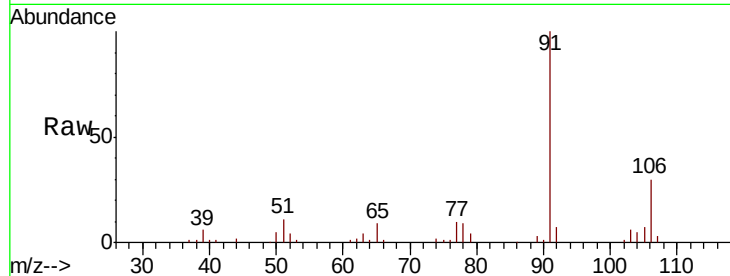
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 38568

Ion Ratio Lower Upper

91 100

106 30.2 21.9 40.7



#53

m,p-xylene

Concen: 0.902 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU026770.D

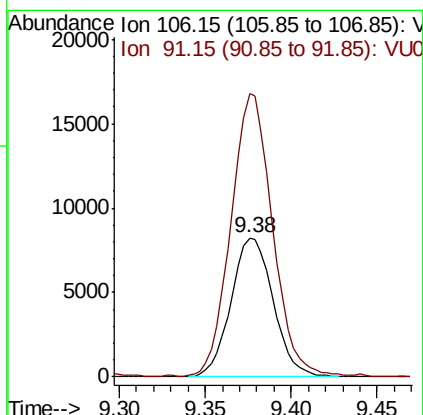
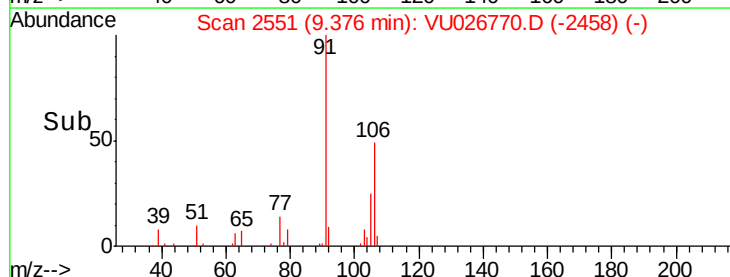
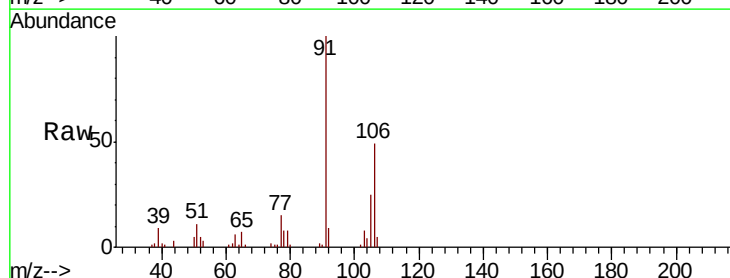
Acq: 15 Sep 2018 11:28

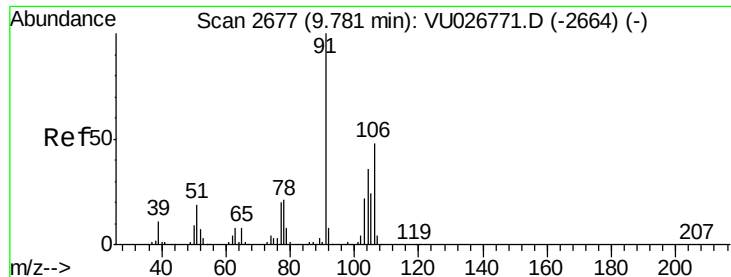
Tgt Ion: 106 Resp: 14081

Ion Ratio Lower Upper

106 100

91 203.1 138.9 257.9





#54

o-xylene

Concen: 0.887 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VU026770.D

Acq: 15 Sep 2018 11:28

Instrument :

MSVOA_U

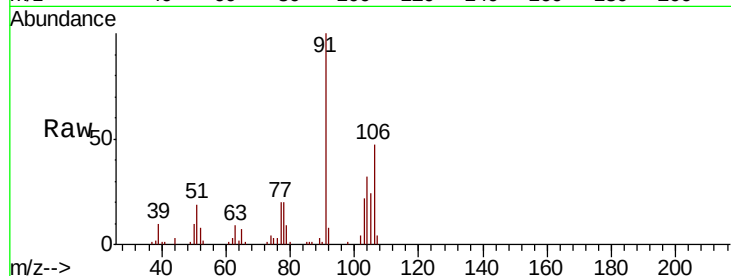
ClientSampleId :

Tot Ion:106 Resp: 13097

Ion Ratio Lower Upper

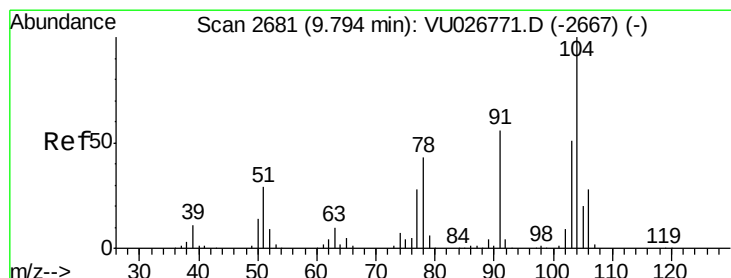
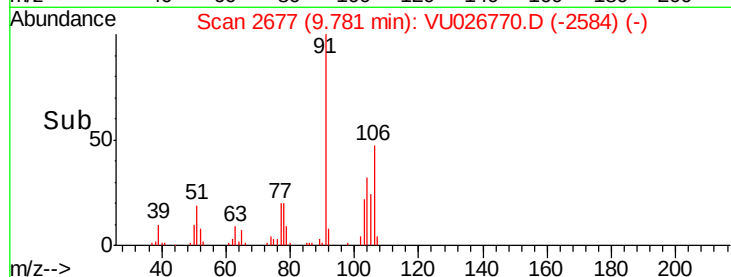
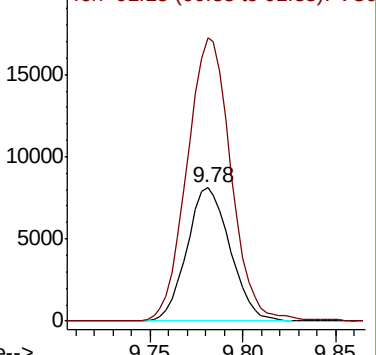
106 100

91 212.7 147.1 273.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 0.850 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU026770.D

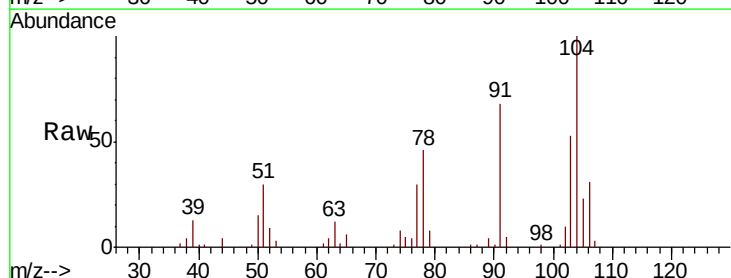
Acq: 15 Sep 2018 11:28

Tgt Ion:104 Resp: 22104

Ion Ratio Lower Upper

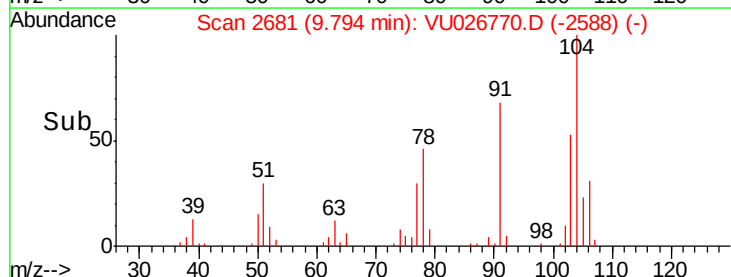
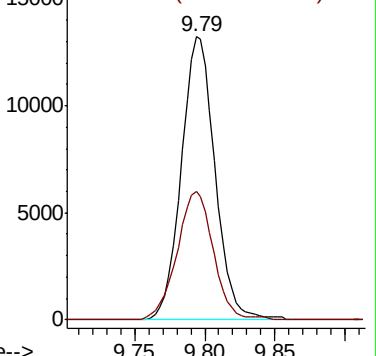
104 100

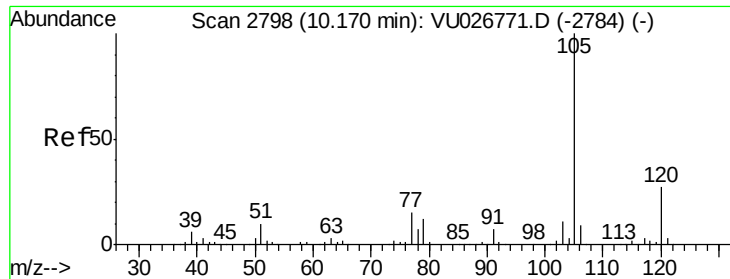
78 45.6 30.4 56.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.877 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU026770.D

Acq: 15 Sep 2018 11:28

Instrument :

MSVOA_U

ClientSampled :

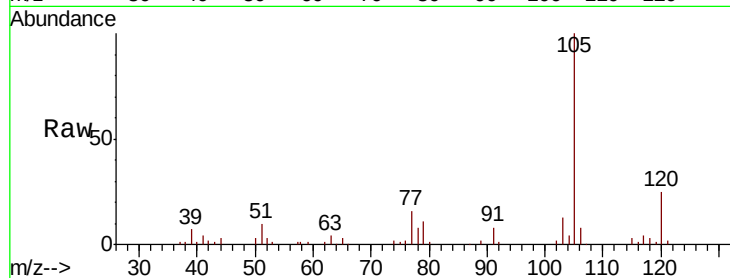
Tot Ion:105 Resp: 34234

Ion Ratio Lower Upper

105 100

120 26.1 21.4 32.2

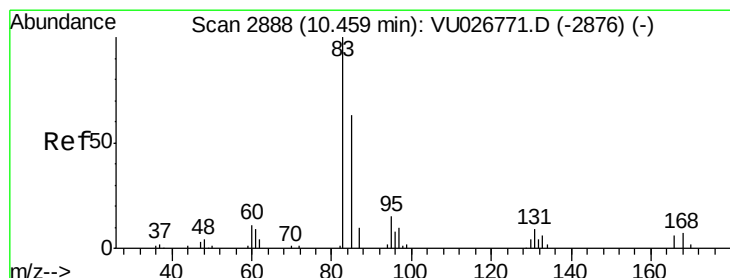
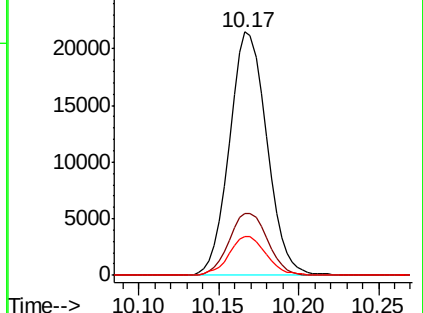
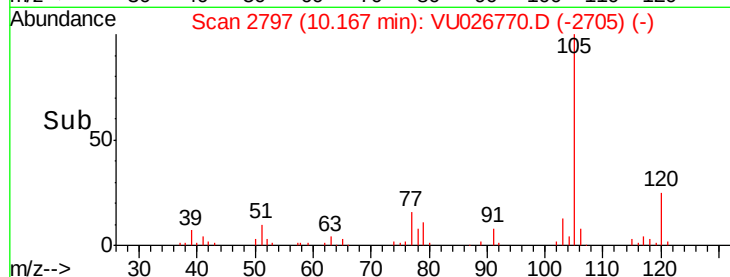
77 16.0 12.6 19.0



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: 1.053 ug/L

RT: 10.46 min Scan# 2889

Delta R.T. 0.00 min

Lab File: VU026770.D

Acq: 15 Sep 2018 11:28

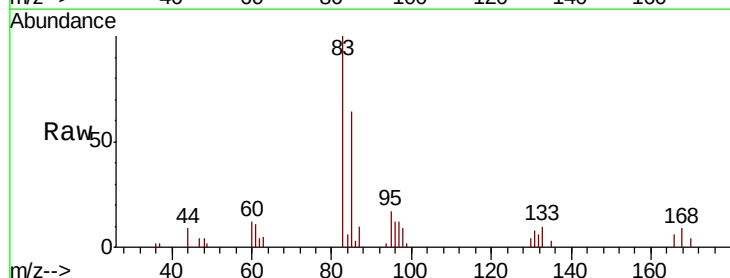
Tgt Ion: 83 Resp: 9422

Ion Ratio Lower Upper

83 100

85 63.9 44.4 82.5

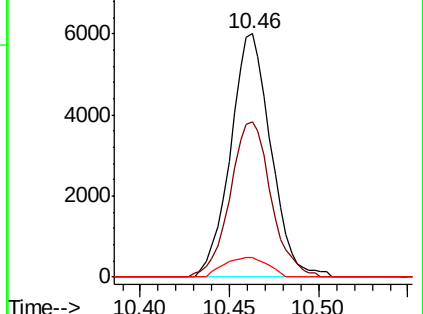
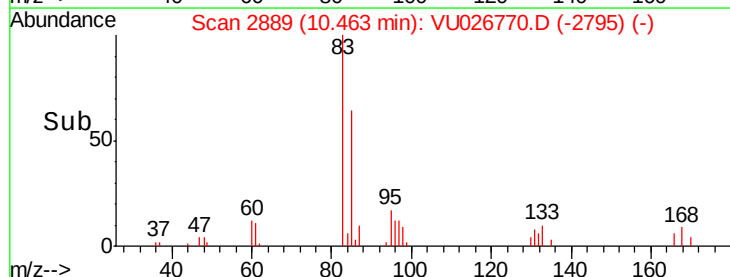
131 7.8 7.2 10.8

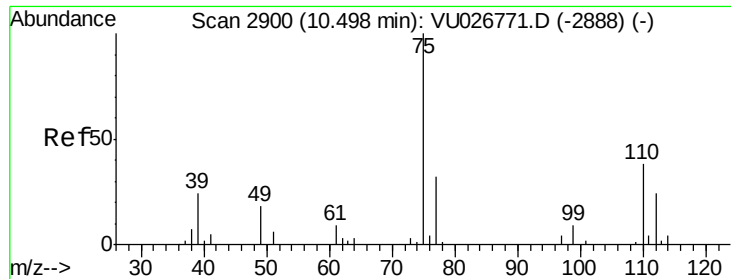


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

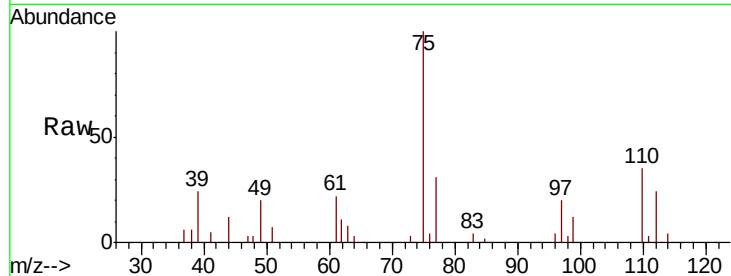




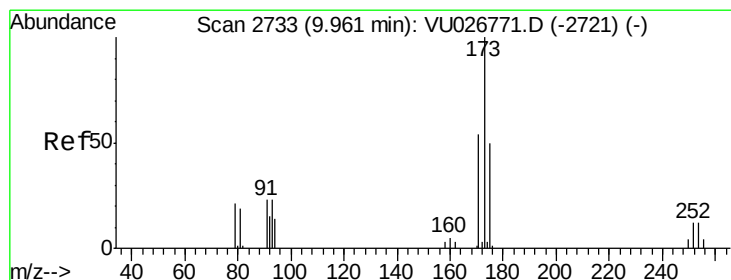
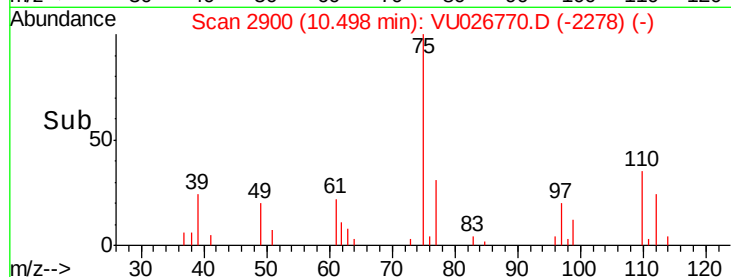
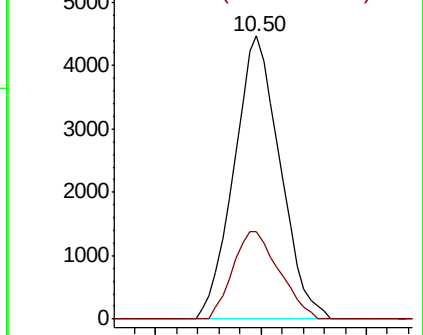
#59
 1,2,3-Trichloropropane
 Concen: 1.076 ug/L
 RT: 10.50 min Scan# 2900
 Delta R.T. 0.00 min
 Lab File: VU026770.D
 Acq: 15 Sep 2018 11:28

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 6763
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.9 38.9

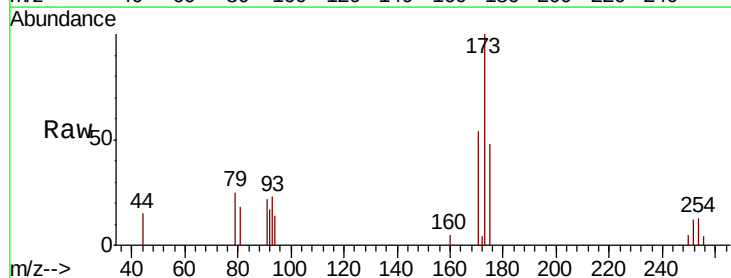


Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0

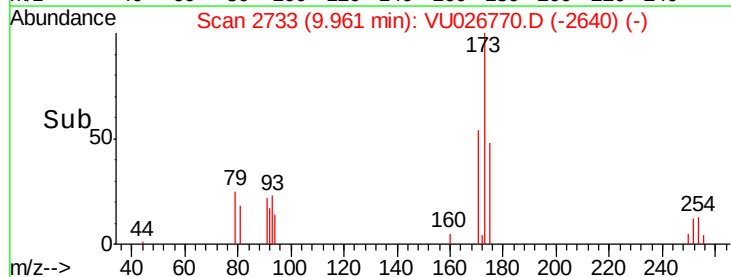
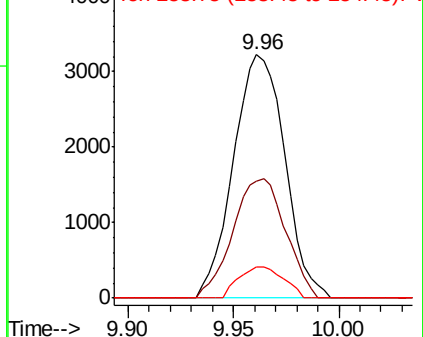


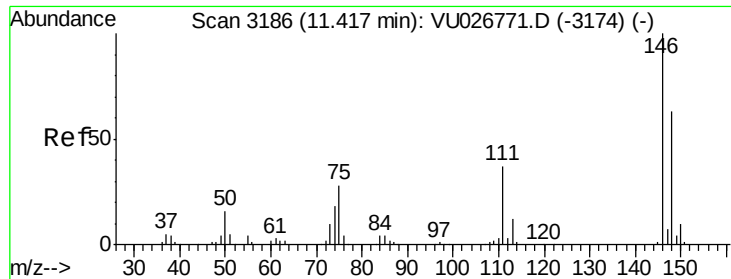
#61
 Bromoform
 Concen: 1.253 ug/L
 RT: 9.96 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VU026770.D
 Acq: 15 Sep 2018 11:28

Tgt Ion: 173 Resp: 5465
 Ion Ratio Lower Upper
 173 100
 175 50.2 38.8 58.2
 254 11.1 9.1 13.7



Abundance Ion 172.90 (172.60 to 173.60): V
 Ion 174.90 (174.60 to 175.60): V
 Ion 253.75 (253.45 to 254.45): V

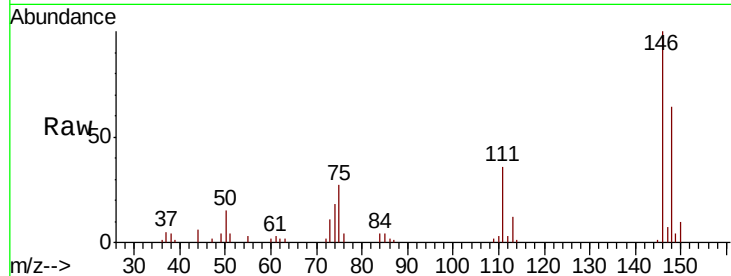




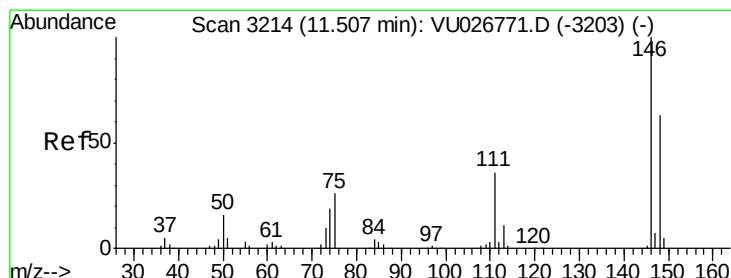
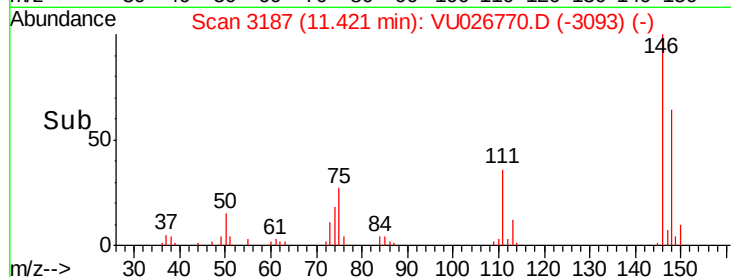
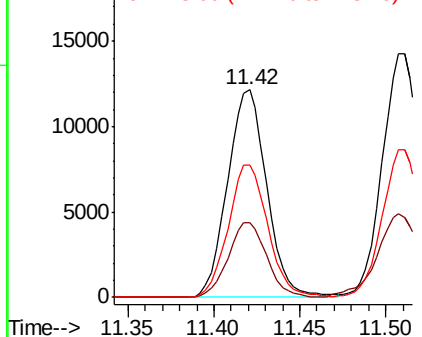
#62
 1,3-Dichlorobenzene
 Concen: 1.107 ug/L
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU026770.D
 Acq: 15 Sep 2018 11:28

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	26.2	48.6
148	63.9	44.4	82.4

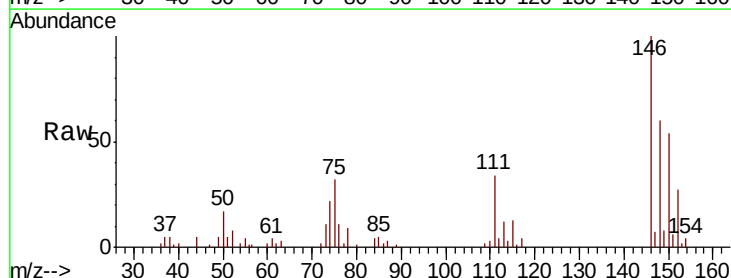


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

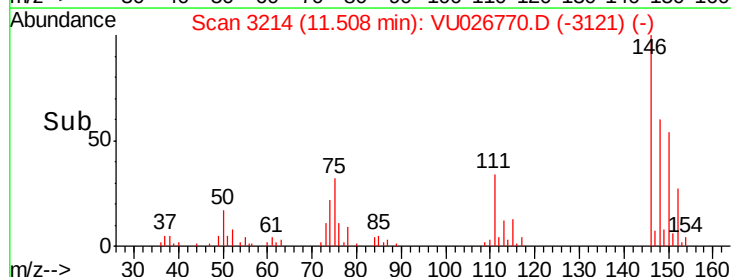
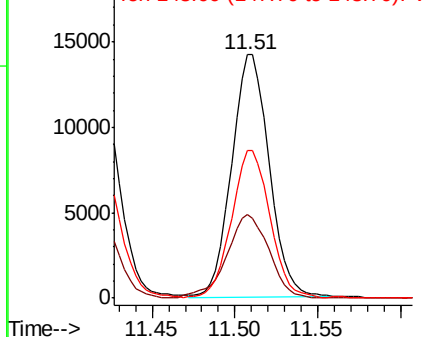


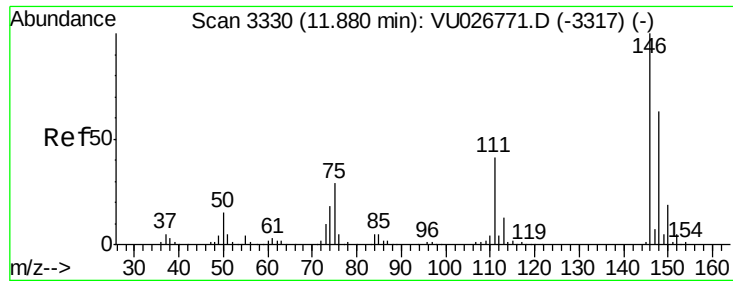
#63
 1,4-Dichlorobenzene
 Concen: 1.200 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU026770.D
 Acq: 15 Sep 2018 11:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.5	25.3	46.9
148	60.4	44.5	82.7



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

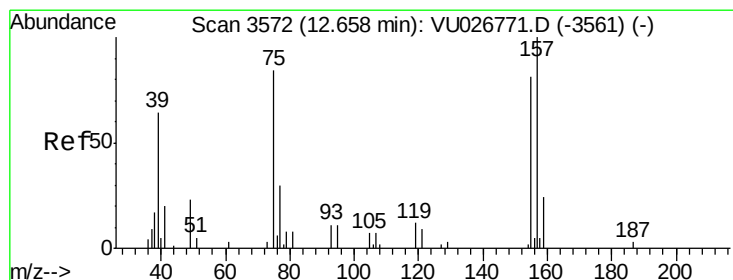
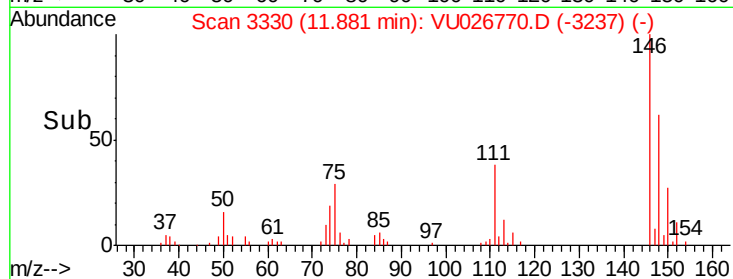
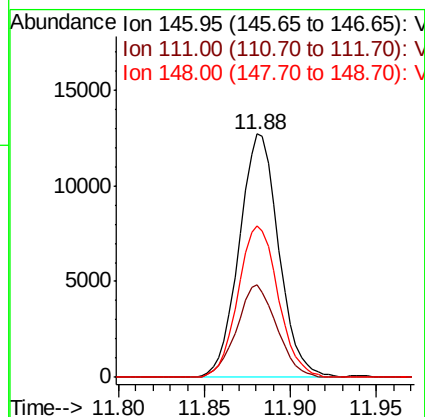
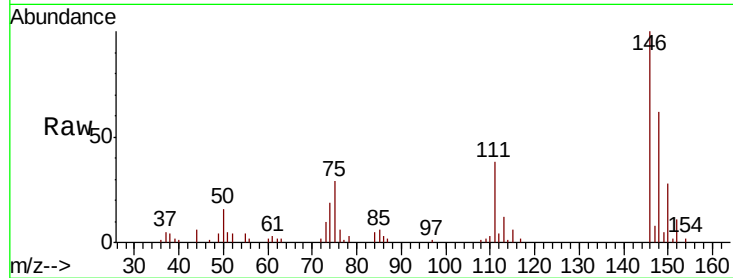




#65
 1,2-Dichlorobenzene
 Concen: 1.163 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU026770.D
 Acq: 15 Sep 2018 11:28

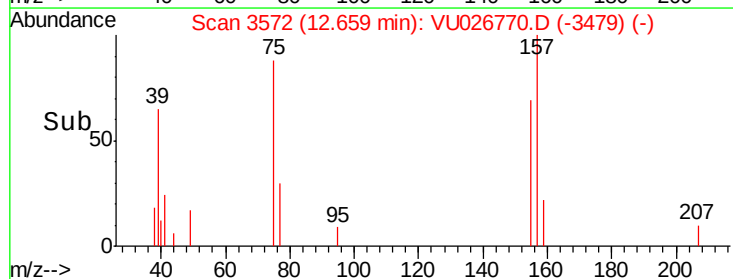
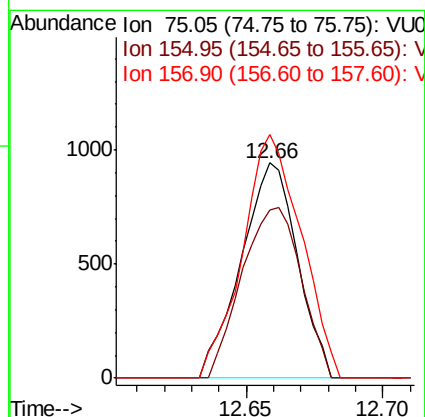
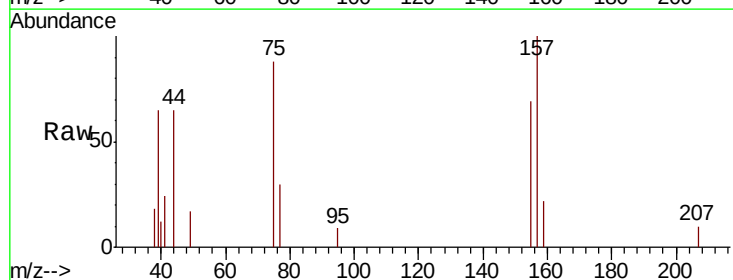
Instrument :
 MSVOA_U
 ClientSampleId :

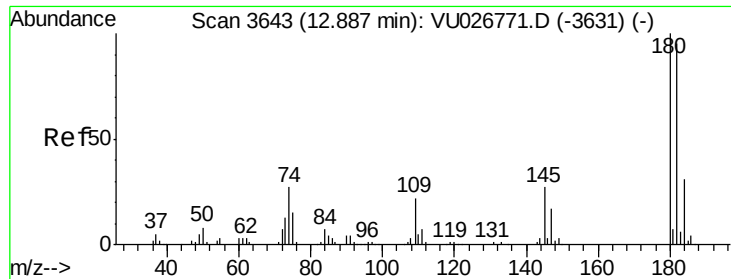
Tot Ion:146 Resp: 20246
 Ion Ratio Lower Upper
 146 100
 111 37.9 32.5 48.7
 148 62.4 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.176 ug/L
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU026770.D
 Acq: 15 Sep 2018 11:28

Tgt Ion: 75 Resp: 1347
 Ion Ratio Lower Upper
 75 100
 155 78.3 76.7 115.1
 157 113.0 95.1 142.7

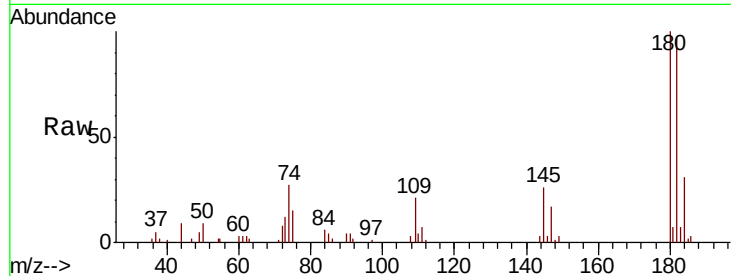




#67
 1,3,5-Trichlorobenzene
 Concen: 1.070 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU026770.D
 Acq: 15 Sep 2018 11:28

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.8	115.2
184	30.9	24.6	36.8
145	27.3	21.5	32.3



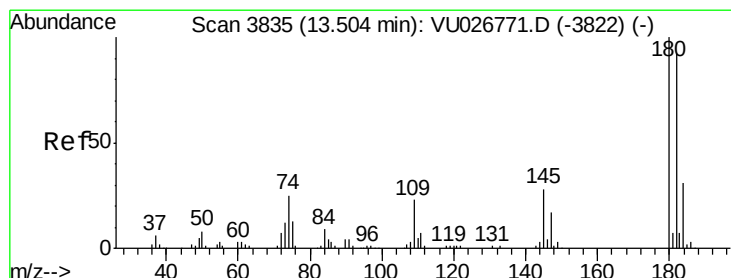
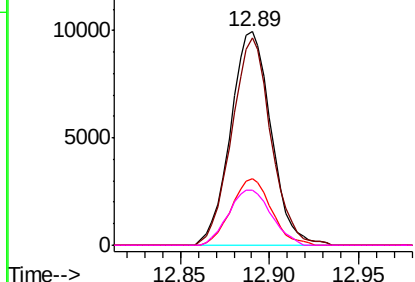
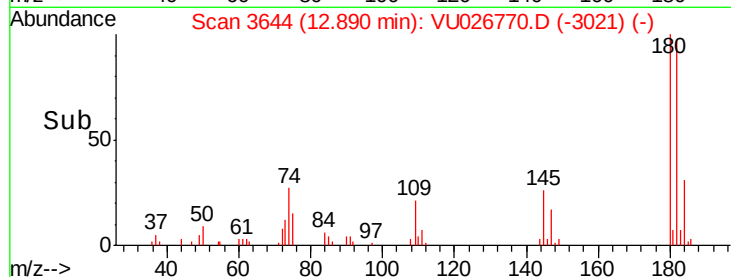
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

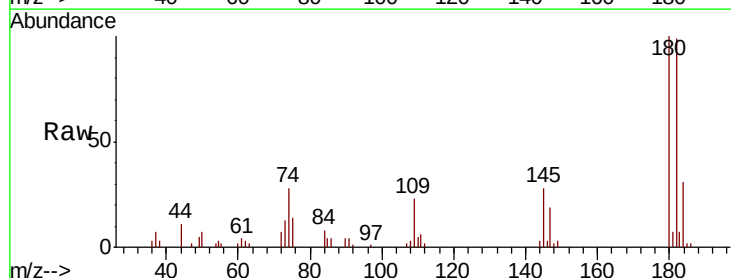
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 1.049 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026770.D
 Acq: 15 Sep 2018 11:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	74.7	112.1
145	29.6	22.3	33.5

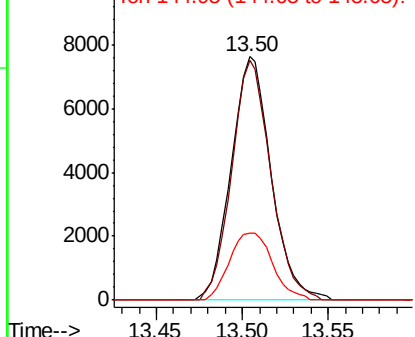
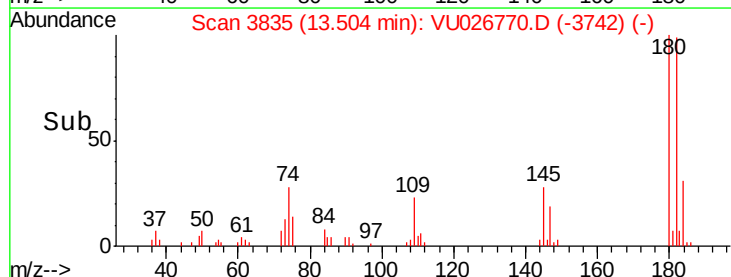


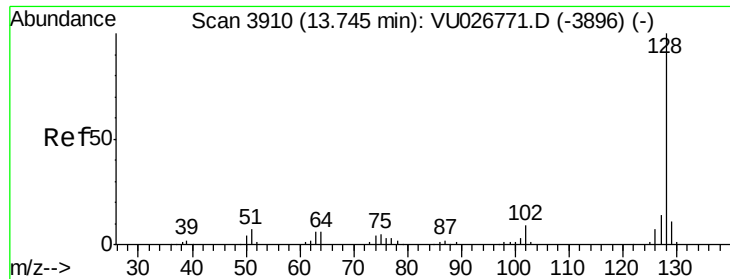
Abundance

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: 0.889 ug/L

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU026770.D

Acq: 15 Sep 2018 11:28

Instrument :

MSVOA_U

ClientSampleId :

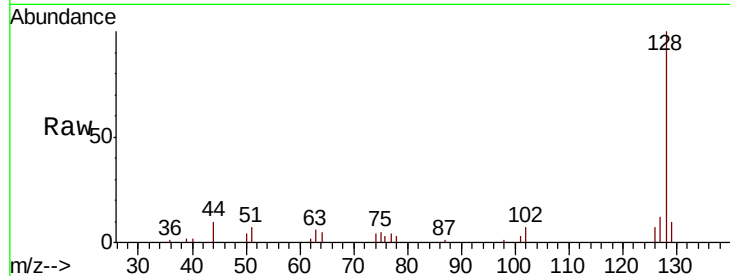
Tot Ion:128 Resp: 15693

Ion Ratio Lower Upper

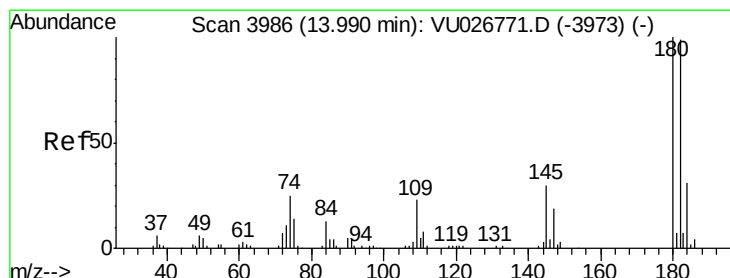
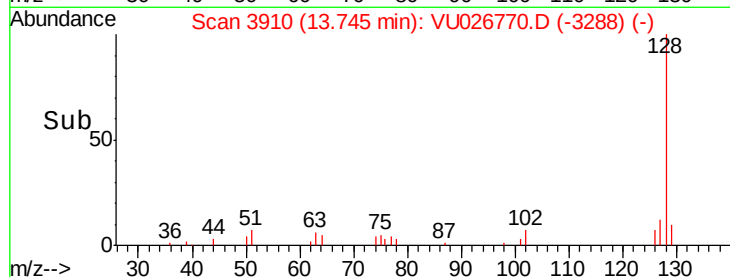
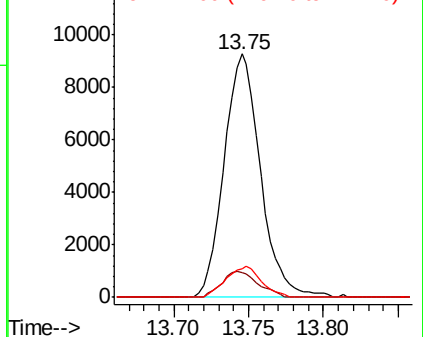
128 100

129 10.5 8.6 12.8

127 12.4 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: 1.060 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU026770.D

Acq: 15 Sep 2018 11:28

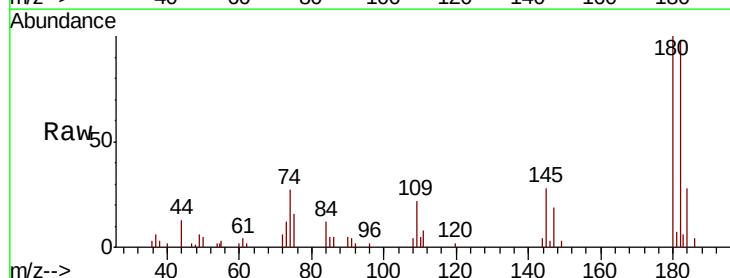
Tgt Ion:180 Resp: 11619

Ion Ratio Lower Upper

180 100

182 99.2 77.0 115.6

145 28.5 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

