

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110520\
 Data File : VU041116.D
 Acq On : 05 Nov 2020 19:45
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 06 01:53:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 06 01:44:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	54524	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	55800	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	29580	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	20839	4.55	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.00%
7) Chloroethane-d5	1.92	69	17465	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.20%
11) 1,1-Dichloroethene-d2	2.58	63	43641	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.20%
20) 2-Butanone-d5	4.65	46	79884	52.96	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.92%
24) Chloroform-d	5.08	84	45580	5.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.60%
26) 1,2-Dichloroethane-d4	5.72	65	27197	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.40%
32) Benzene-d6	5.74	84	84062	5.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.60%
36) 1,2-Dichloropropane-d6	6.70	67	28015	5.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	115.20%
41) Toluene-d8	7.91	98	78973	5.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.80%
43) trans-1,3-Dichloropropene-	8.19	79	11330	5.38	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	107.60%
46) 2-Hexanone-d5	8.64	63	60123	53.02	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.04%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	25070	5.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	29179	5.62	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	23714	4.764	ug/L 98
3) Chloromethane	1.53	50	25094	4.835	ug/L 100
5) Vinyl chloride	1.61	62	24988	4.880	ug/L 98
6) Bromomethane	1.86	94	13697	4.666	ug/L 94
8) Chloroethane	1.94	64	15354	4.733	ug/L 99
9) Trichlorofluoromethane	2.15	101	36206	5.202	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	20912	5.127	ug/L 96
12) 1,1-Dichloroethene	2.59	96	18457	4.792	ug/L 93
13) Acetone	2.66	43	56087	54.385	ug/L # 55
14) Carbon disulfide	2.81	76	57431	4.462	ug/L 99
15) Methyl Acetate	2.97	43	11827	5.012	ug/L 94
16) Methylene chloride	3.06	84	23256	5.182	ug/L 91
17) Methyl tert-butyl Ether	3.38	73	49414	4.985	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	19613	5.011	ug/L 92
19) 1,1-Dichloroethane	3.89	63	41228	5.269	ug/L 99
21) 2-Butanone	4.73	43	79808	49.514	ug/L 100
22) cis-1,2-Dichloroethene	4.68	96	22379	5.543	ug/L 100

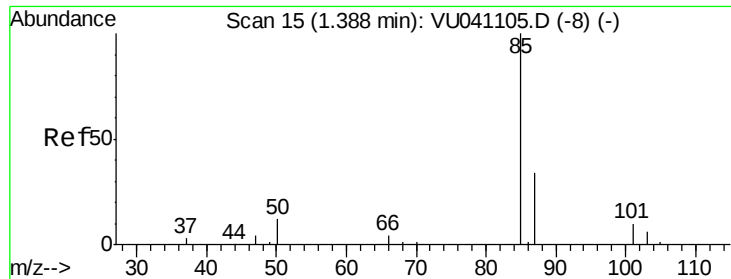
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110520\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 06 01:44:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	10691	5.613	ug/L	94
25) Chloroform	5.11	83	44648	5.690	ug/L	96
27) 1,2-Dichloroethane	5.81	62	30795	5.269	ug/L #	93
29) 1,1,1-Trichloroethane	5.33	97	36187	5.303	ug/L	97
30) Cyclohexane	5.40	56	30240	4.497	ug/L	99
31) Carbon tetrachloride	5.54	117	31782	5.259	ug/L	100
33) Benzene	5.79	78	86641	5.196	ug/L	100
34) Trichloroethene	6.56	95	22870	5.390	ug/L	97
35) Methylcyclohexane	6.77	83	28806	4.551	ug/L	98
37) 1,2-Dichloropropane	6.80	63	24003	5.320	ug/L #	97
38) Bromodichloromethane	7.11	83	31318	5.352	ug/L	99
39) cis-1,3-Dichloropropene	7.61	75	31832	5.125	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	187137	52.024	ug/L	98
42) Toluene	7.98	91	90988	5.382	ug/L	98
44) trans-1,3-Dichloropropene	8.21	75	30352	5.221	ug/L	100
45) 1,1,2-Trichloroethane	8.40	97	17540	5.223	ug/L	97
47) Tetrachloroethene	8.56	164	17128	5.490	ug/L	98
48) 2-Hexanone	8.69	43	141625	52.289	ug/L	98
49) Dibromochloromethane	8.81	129	21694	5.562	ug/L	96
50) 1,2-Dibromoethane	8.93	107	16635	5.198	ug/L	100
51) Chlorobenzene	9.45	112	57899	5.401	ug/L	96
52) Ethylbenzene	9.57	91	91988	5.169	ug/L	100
53) m,p-Xylene	9.69	106	35054	5.401	ug/L	94
54) o-Xylene	10.10	106	33790	5.590	ug/L	97
55) Styrene	10.11	104	58831	5.463	ug/L	99
56) Isopropylbenzene	10.48	105	89206	5.488	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	22296	5.055	ug/L	94
59) 1,2,3-Trichloropropane	10.82	75	17878	5.317	ug/L	98
61) Bromoform	10.29	173	12179	5.343	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	46855	5.488	ug/L	96
63) 1,4-Dichlorobenzene	11.83	146	47083	5.324	ug/L	99
65) 1,2-Dichlorobenzene	12.20	146	44968	5.337	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	4076	4.936	ug/L	88
67) 1,3,5-Trichlorobenzene	13.21	180	31846	5.333	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	26667	5.391	ug/L	98
69) Naphthalene	14.08	128	41114	4.648	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	24773	5.433	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.764 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041116.D

Acq: 05 Nov 2020 19:45

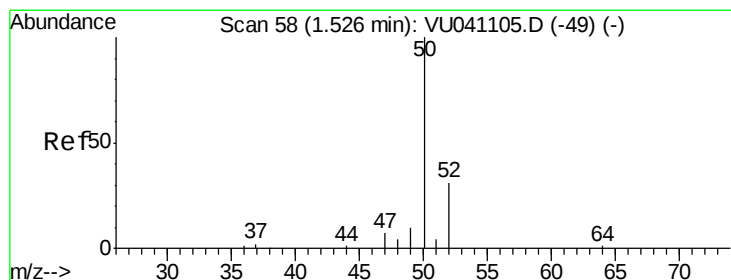
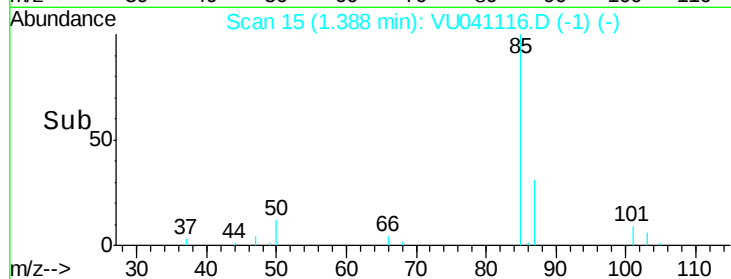
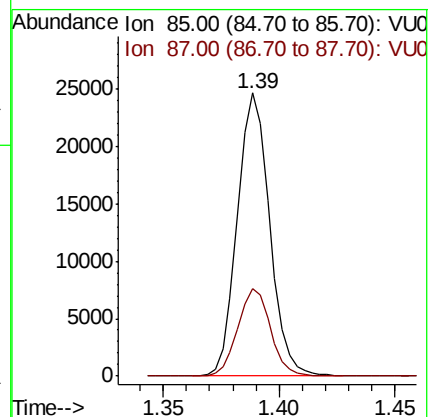
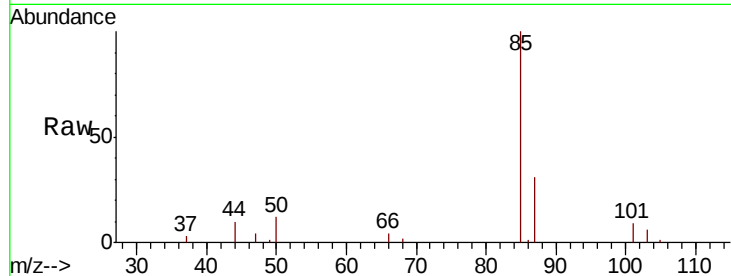
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 23714

Ion Ratio Lower Upper

85 100

87 31.1 25.8 38.8



#3

Chloromethane

Concen: 4.835 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041116.D

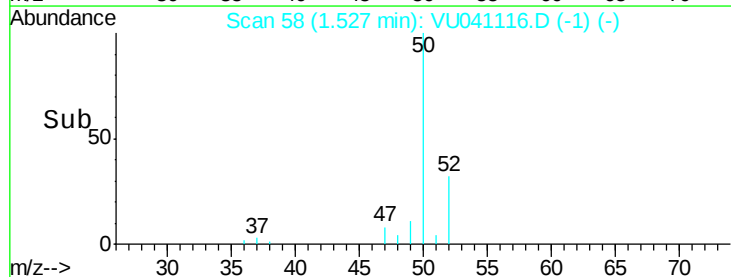
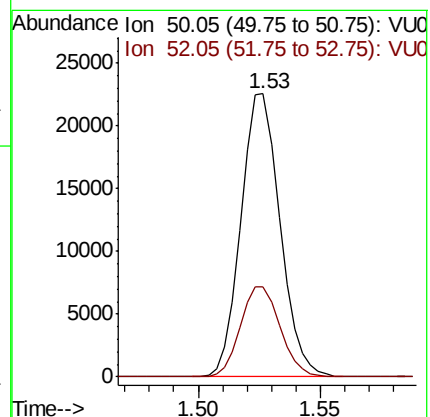
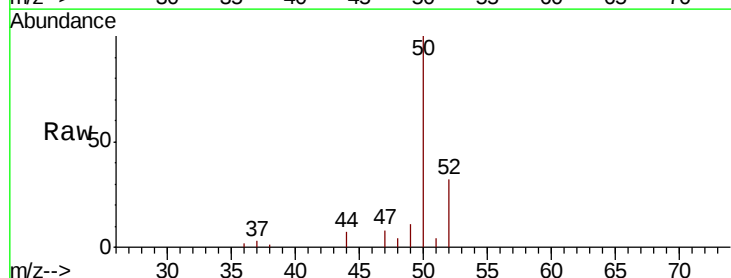
Acq: 05 Nov 2020 19:45

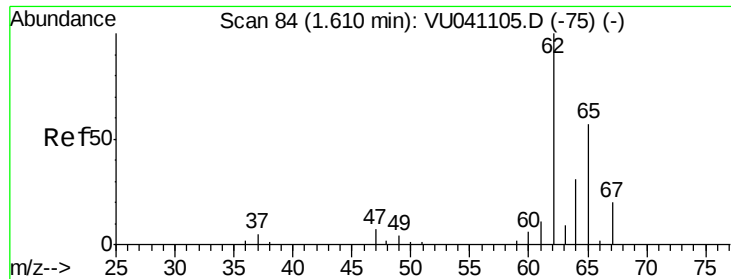
Tgt Ion: 50 Resp: 25094

Ion Ratio Lower Upper

50 100

52 31.8 22.4 41.6





#5

Vinyl chloride

Concen: 4.880 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041116.D

Acq: 05 Nov 2020 19:45

Instrument :

MSVOA_U

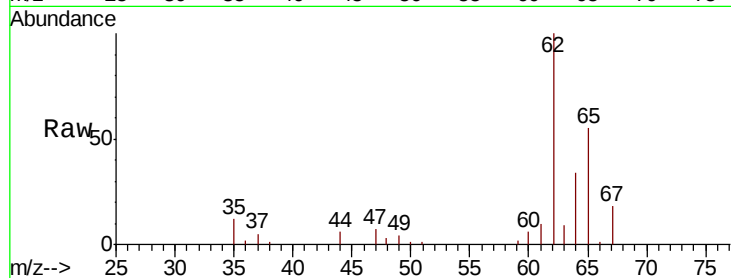
ClientSampleId :

Tot Ion: 62 Resp: 24988

Ion Ratio Lower Upper

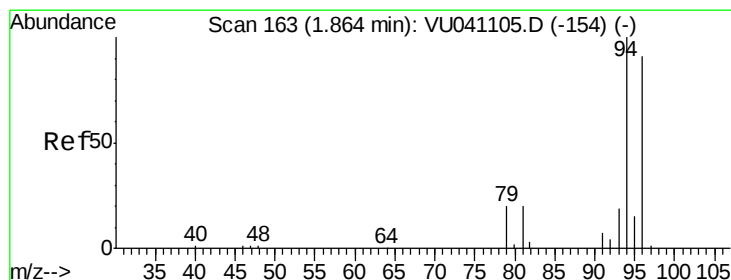
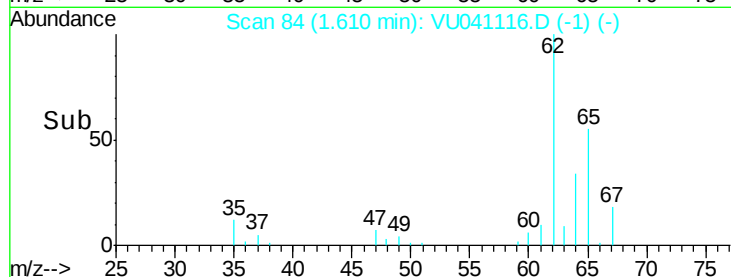
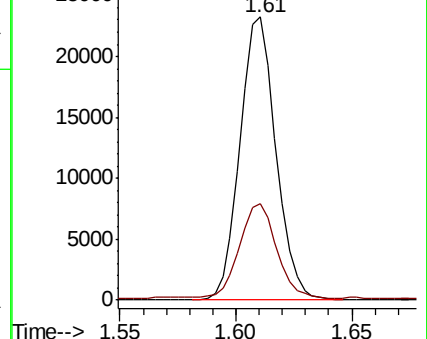
62 100

64 33.9 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: 4.666 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU041116.D

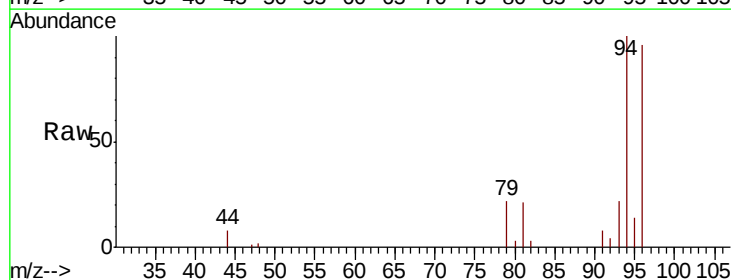
Acq: 05 Nov 2020 19:45

Tgt Ion: 94 Resp: 13697

Ion Ratio Lower Upper

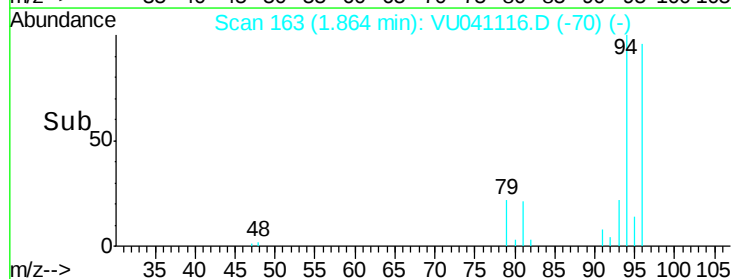
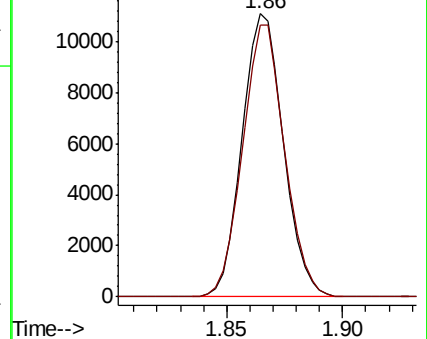
94 100

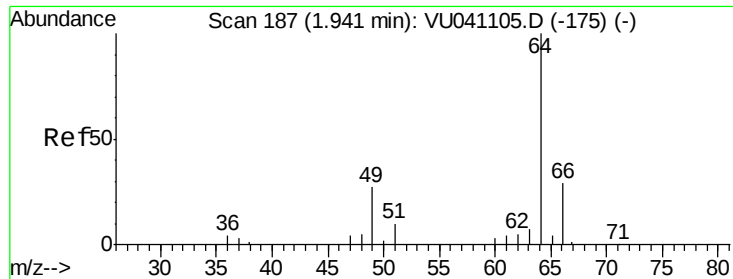
96 96.1 63.5 117.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

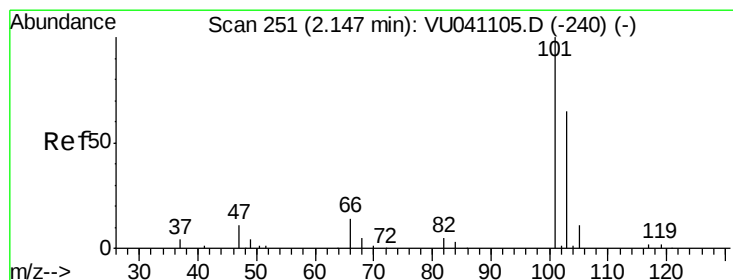
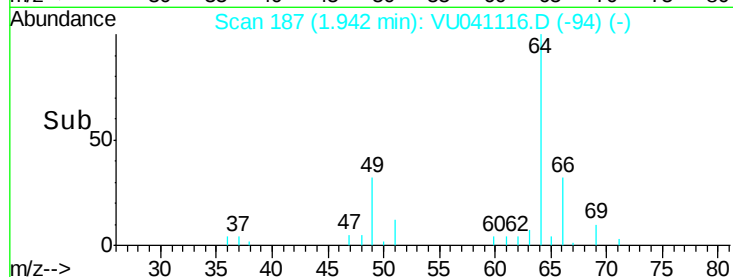
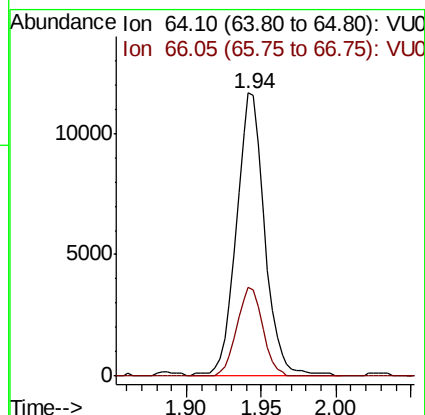
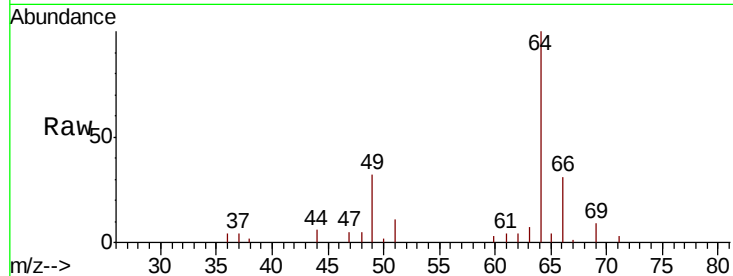




#8
Chloroethane
Concen: 4.733 ug/L
RT: 1.94 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU041116.D
Acq: 05 Nov 2020 19:45

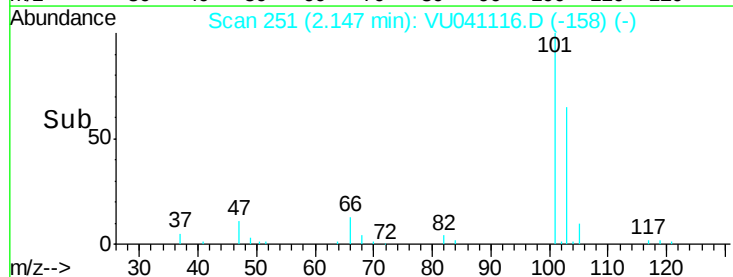
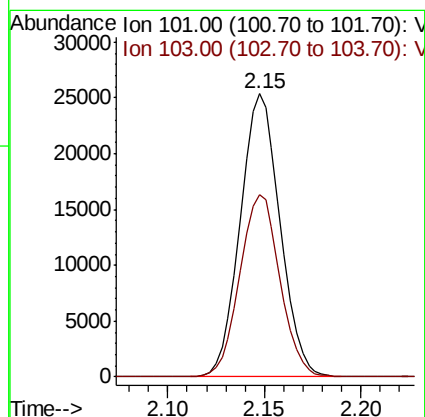
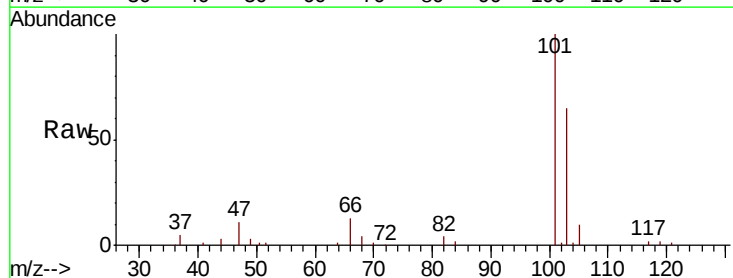
Instrument :
MSVOA_U
ClientSampleId :

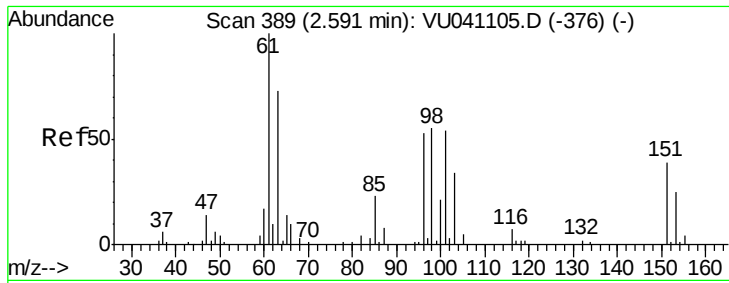
Tot Ion: 64 Resp: 15354
Ion Ratio Lower Upper
64 100
66 31.2 22.3 41.5



#9
Trichlorofluoromethane
Concen: 5.202 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU041116.D
Acq: 05 Nov 2020 19:45

Tgt Ion:101 Resp: 36206
Ion Ratio Lower Upper
101 100
103 65.0 51.0 76.4





#10

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

Concen: 5.127 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041116.D

Acq: 05 Nov 2020 19:45

Instrument :

MSVOA_U

ClientSampled :

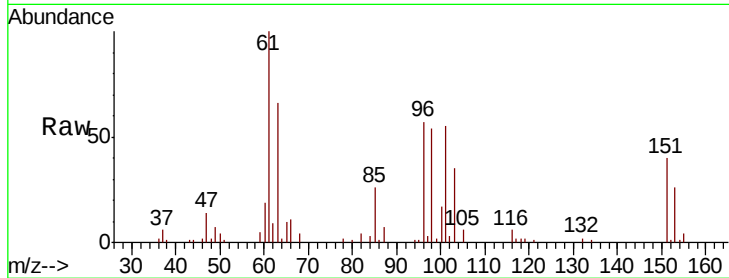
Tot Ion:101 Resp: 20912

Ion Ratio Lower Upper

101 100

85 46.8 35.0 52.4

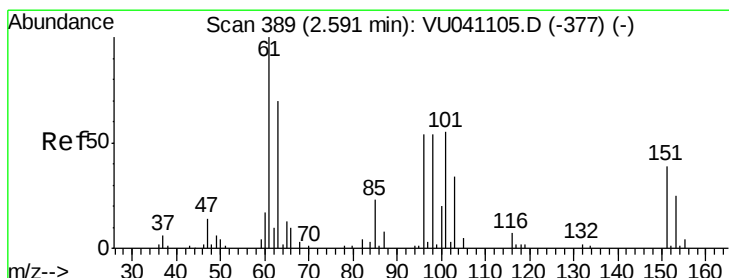
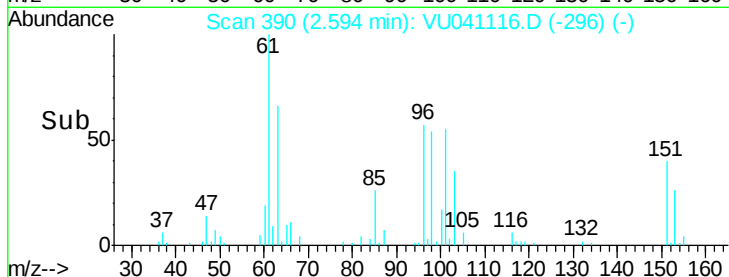
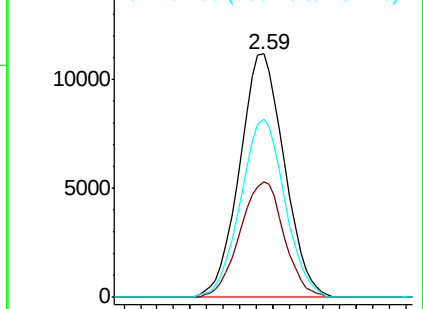
151 72.5 55.3 82.9



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: 4.792 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041116.D

Acq: 05 Nov 2020 19:45

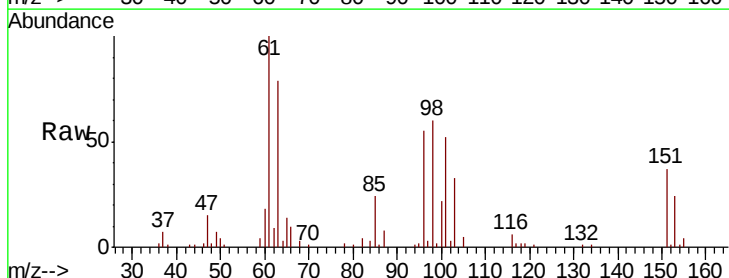
Tgt Ion: 96 Resp: 18457

Ion Ratio Lower Upper

96 100

61 182.4 134.3 249.5

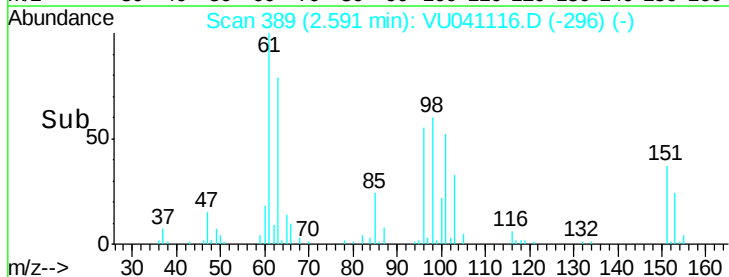
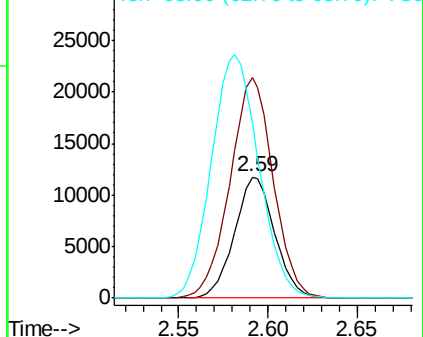
63 144.7 95.0 176.4

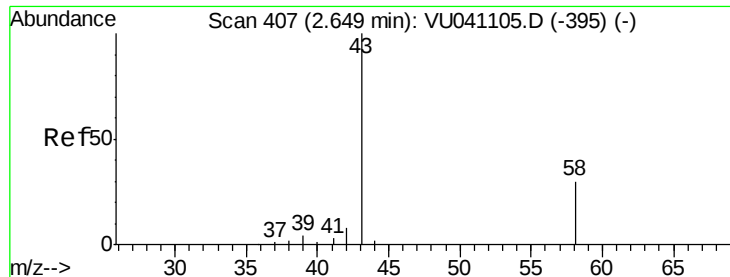


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 54.385 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.01 min

Lab File: VU041116.D

Acq: 05 Nov 2020 19:45

Instrument :

MSVOA_U

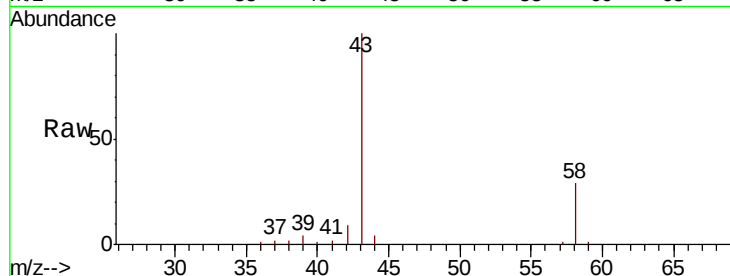
ClientSampled :

Tot Ion: 43 Resp: 56087

Ion Ratio Lower Upper

43 100

58 30.5 0.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU041105.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU041105.D (-395) (-)

2.66

20000

15000

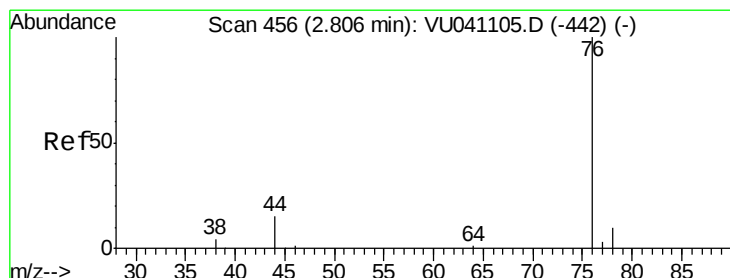
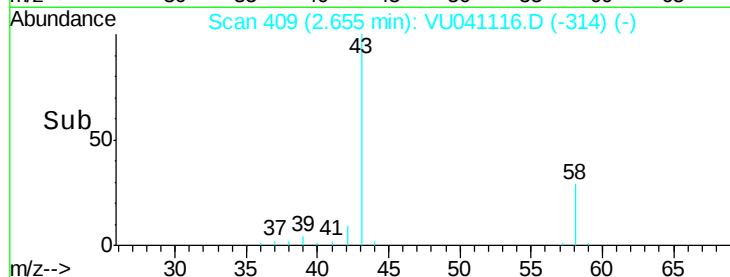
10000

5000

0

Time-->

2.60 2.70 2.80



#14

Carbon disulfide

Concen: 4.462 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041116.D

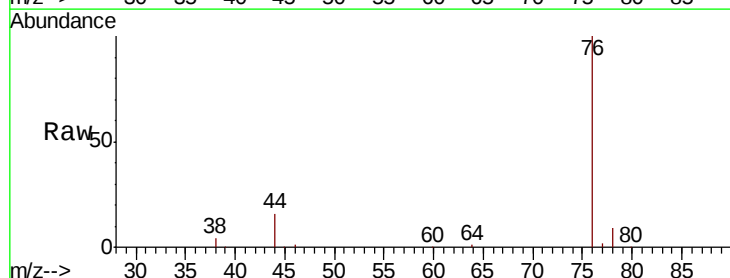
Acq: 05 Nov 2020 19:45

Tgt Ion: 76 Resp: 57431

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU041105.D (-442) (-)

Ion 78.00 (77.70 to 78.70): VU041105.D (-442) (-)

2.81

40000

30000

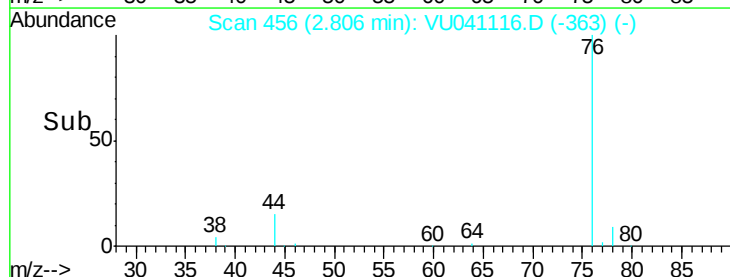
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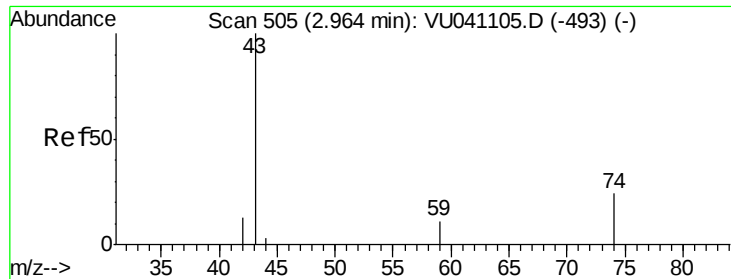
10000

0

Time-->

2.75 2.80 2.85 2.90





#15

Methyl Acetate

Concen: 5.012 ug/L

RT: 2.97 min Scan# 506

Delta R.T. 0.00 min

Lab File: VU041116.D

Acq: 05 Nov 2020 19:45

Instrument :

MSVOA_U

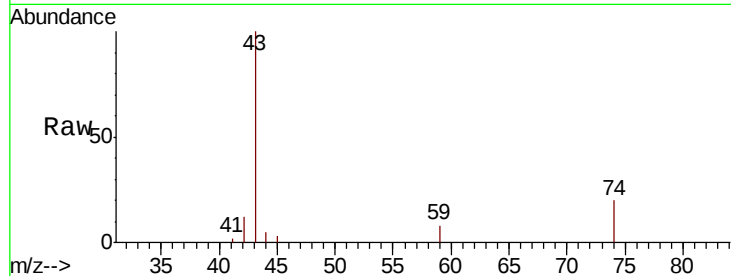
ClientSampleId :

Tot Ion: 43 Resp: 11827

Ion Ratio Lower Upper

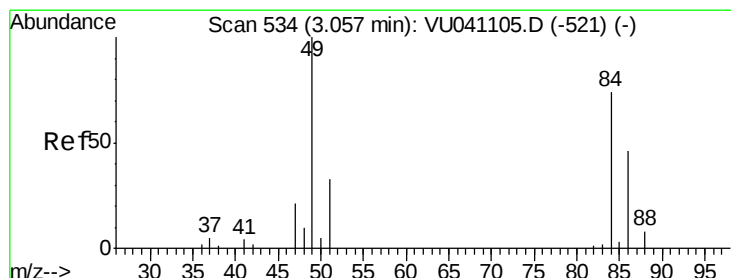
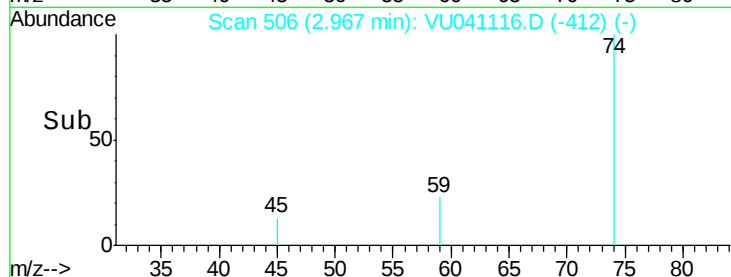
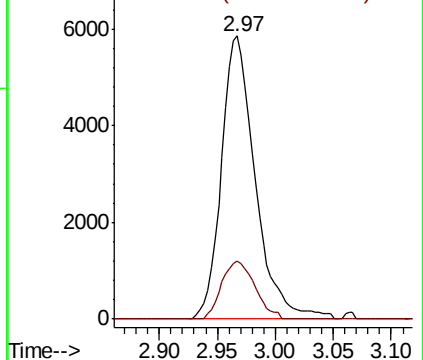
43 100

74 20.1 18.3 27.5



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 5.182 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041116.D

Acq: 05 Nov 2020 19:45

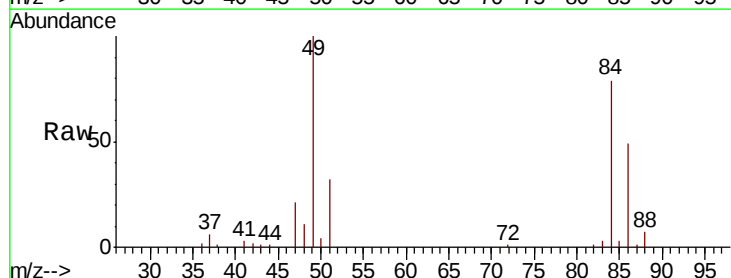
Tgt Ion: 84 Resp: 23256

Ion Ratio Lower Upper

84 100

86 61.7 42.8 79.6

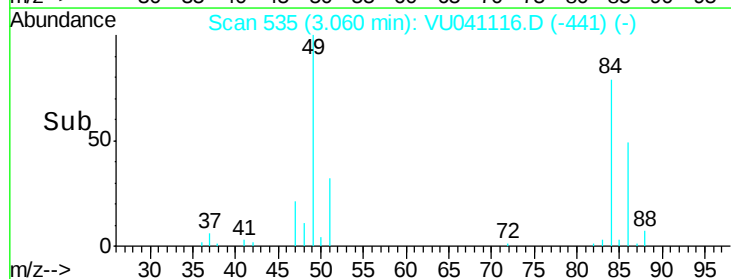
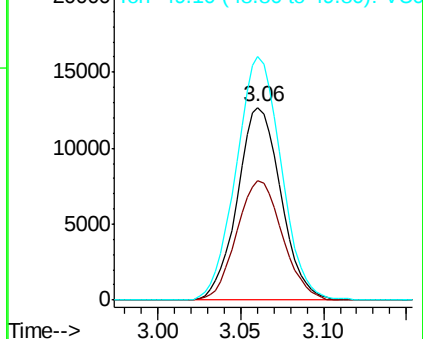
49 126.1 99.5 184.7

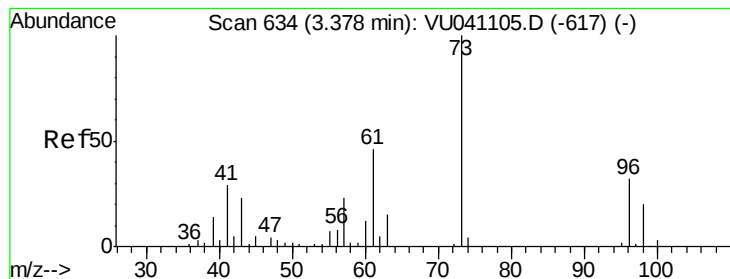


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0



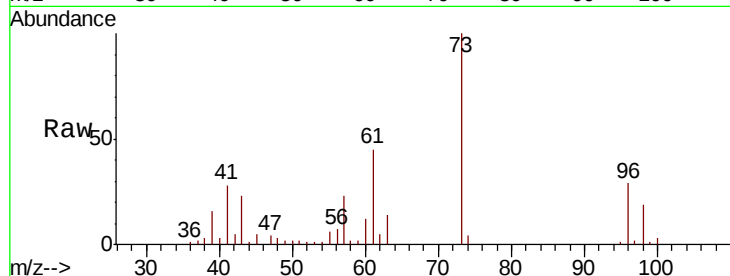


#17

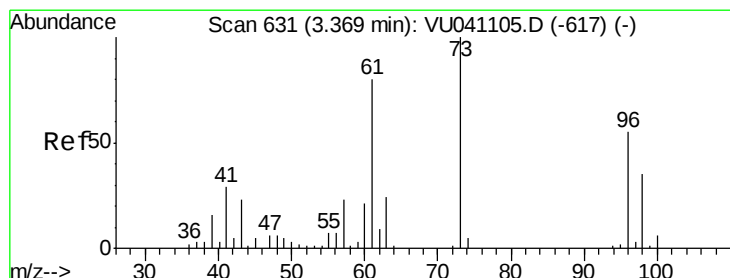
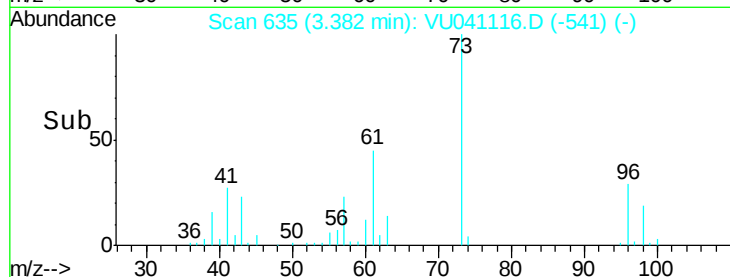
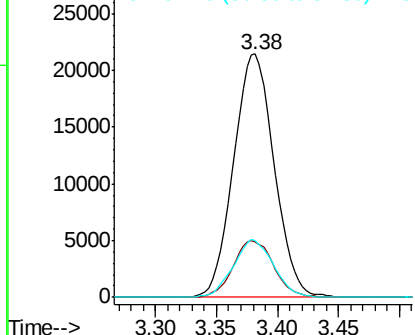
Methvl tert-butvl Ether
 Concen: 4.985 ug/L
 RT: 3.38 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VU041116.D
 Acq: 05 Nov 2020 19:45

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 73 Resp: 49414
 Ion Ratio Lower Upper
 73 100
 43 23.3 18.5 27.7
 57 23.5 18.4 27.6



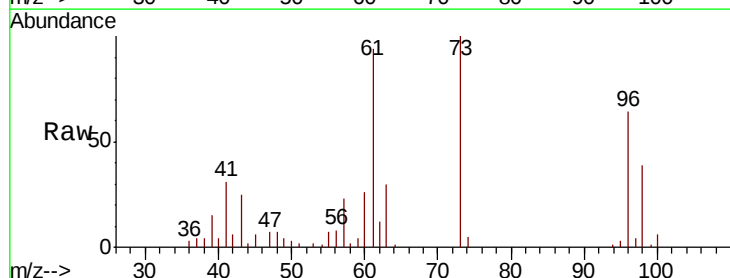
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



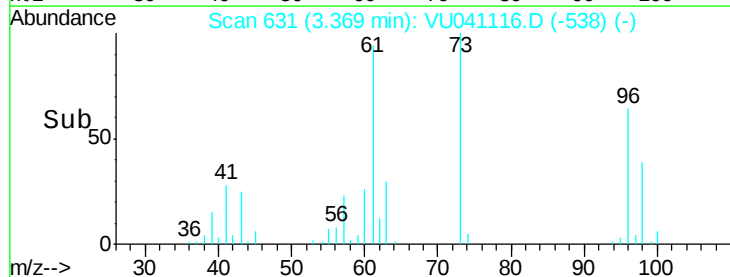
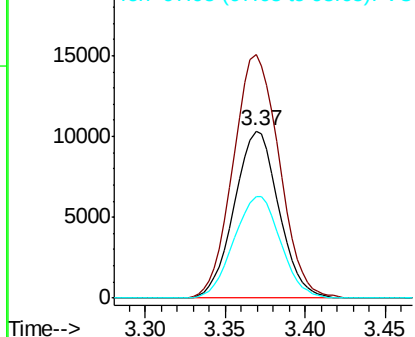
#18

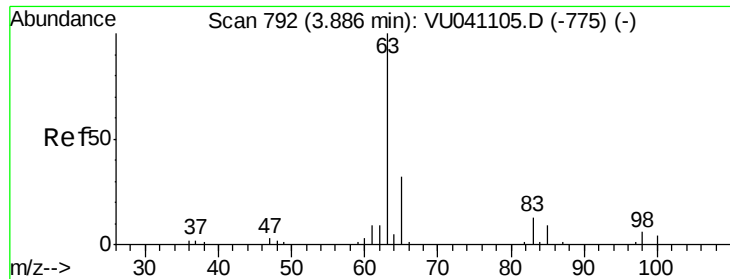
trans-1,2-Dichloroethene
 Concen: 5.011 ug/L
 RT: 3.37 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VU041116.D
 Acq: 05 Nov 2020 19:45

Tgt Ion: 96 Resp: 19613
 Ion Ratio Lower Upper
 96 100
 61 145.8 110.9 205.9
 98 60.6 45.4 84.2



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

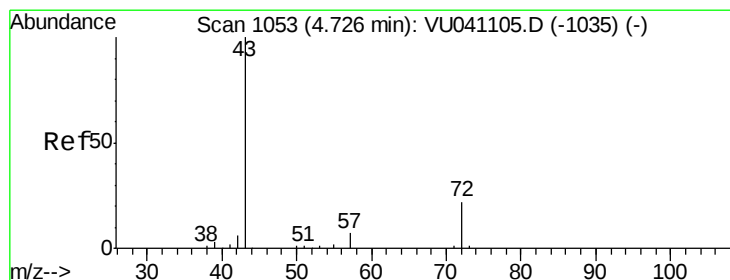
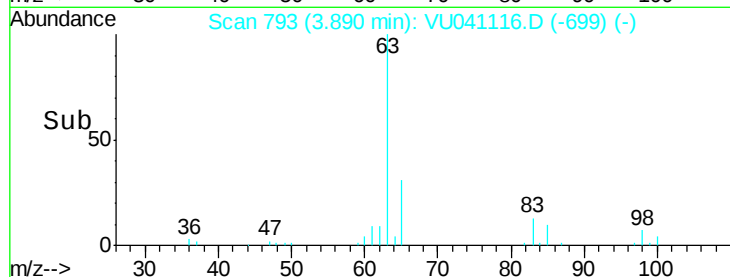
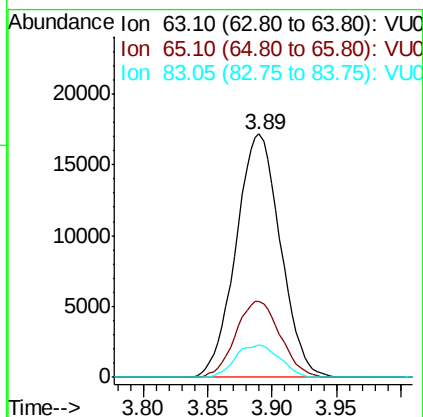
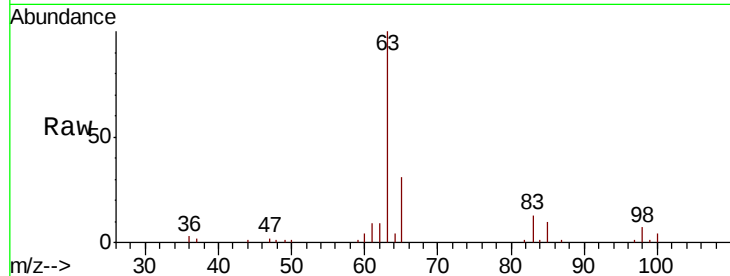




#19
 1,1-Dichloroethane
 Concen: 5.269 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU041116.D
 Acq: 05 Nov 2020 19:45

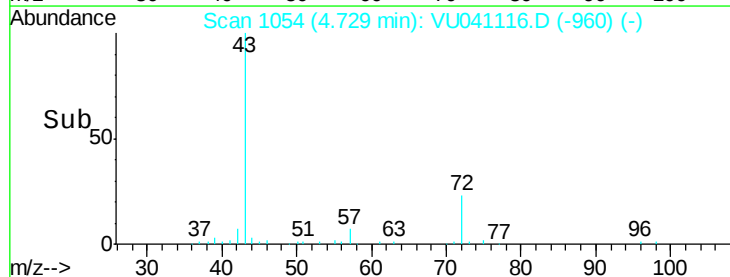
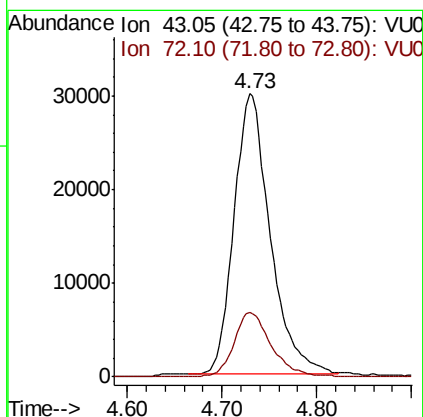
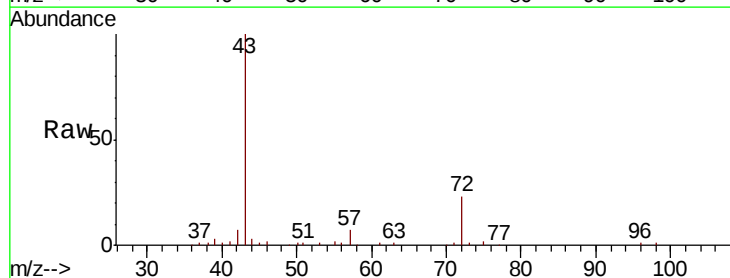
Instrument :
 MSVOA_U
 ClientSampleId :

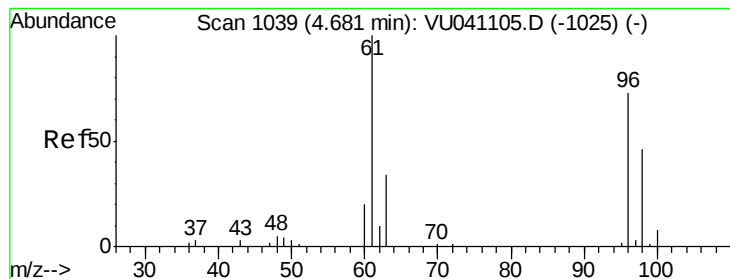
Tot Ion: 63 Resp: 41228
 Ion Ratio Lower Upper
 63 100
 65 31.1 21.3 39.6
 83 13.2 8.8 16.3



#21
 2-Butanone
 Concen: 49.514 ug/L
 RT: 4.73 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VU041116.D
 Acq: 05 Nov 2020 19:45

Tgt Ion: 43 Resp: 79808
 Ion Ratio Lower Upper
 43 100
 72 23.5 11.8 35.4





#22

cis-1,2-Dichloroethene

Concen: 5.543 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041116.D

Acq: 05 Nov 2020 19:45

Instrument :
MSVOA_U
ClientSampleId :

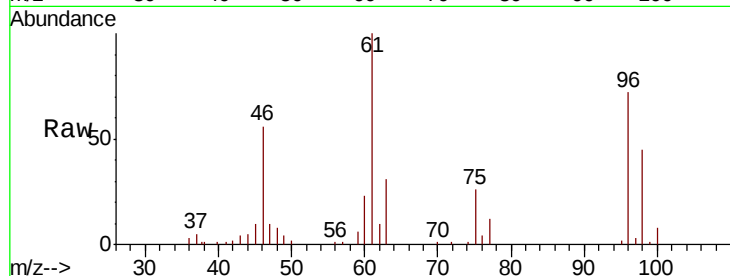
Tot Ion: 96 Resp: 22379

Ion Ratio Lower Upper

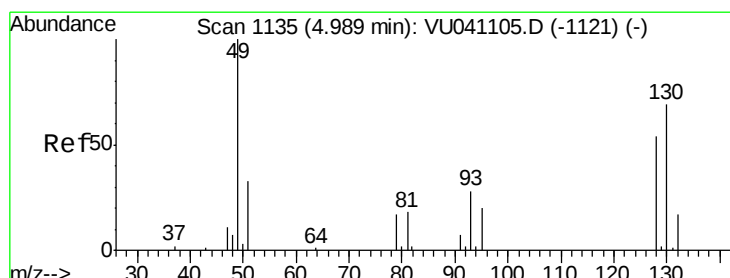
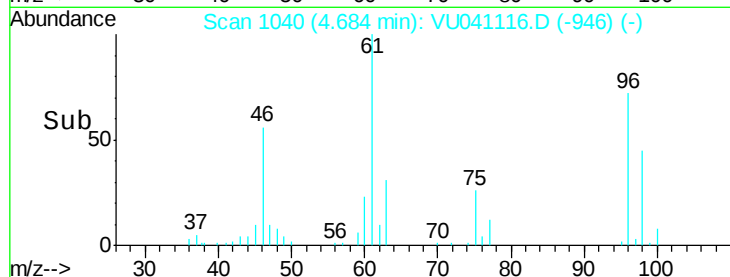
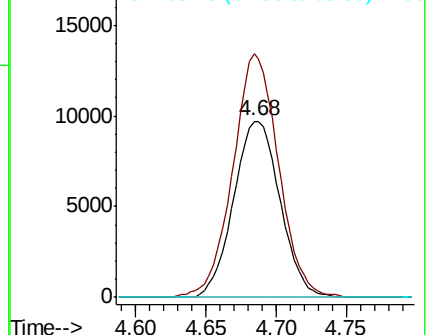
96 100

61 138.3 97.2 180.4

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: 5.613 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU041116.D

Acq: 05 Nov 2020 19:45

Tgt Ion: 128 Resp: 10691

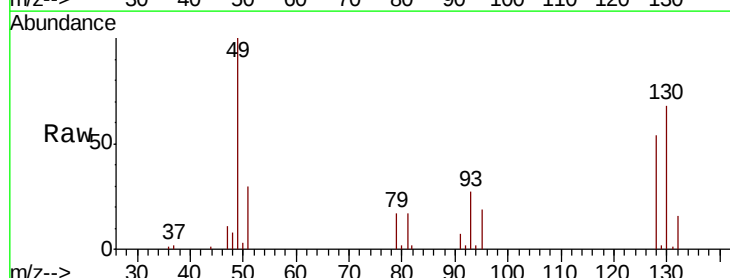
Ion Ratio Lower Upper

128 100

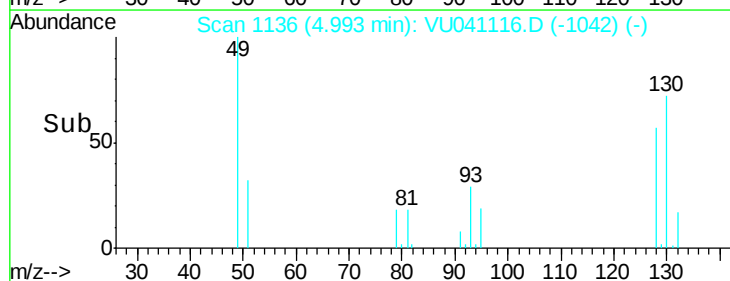
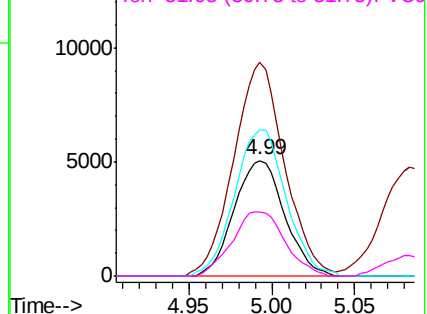
49 184.6 135.0 250.8

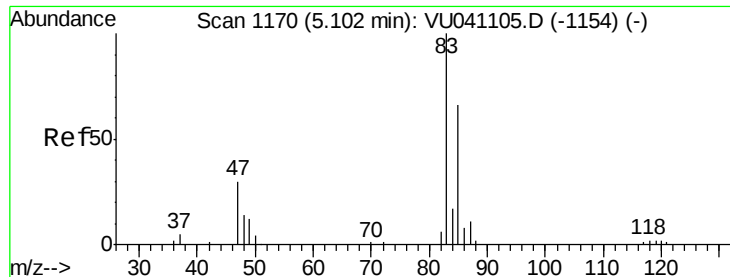
130 125.8 89.9 167.0

51 55.1 51.9 77.9



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

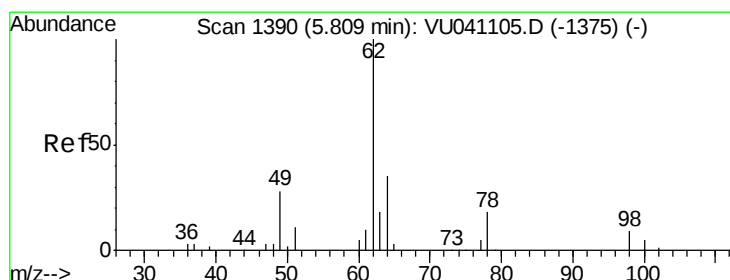
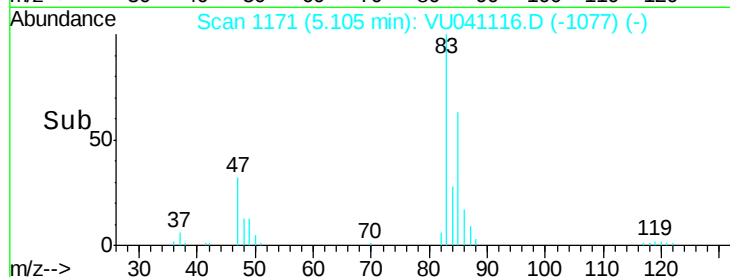
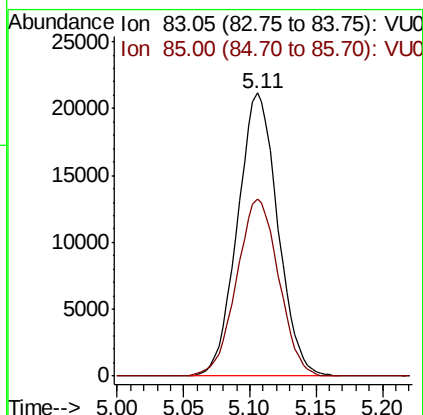
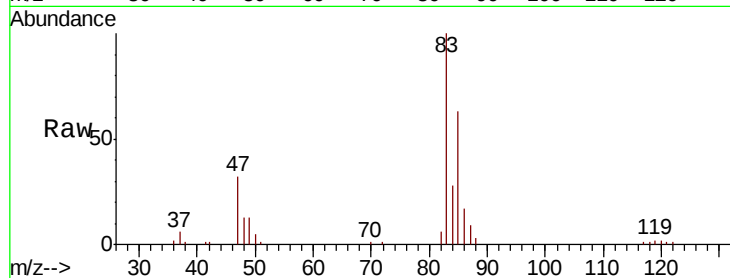




#25
Chloroform
Concen: 5.690 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041116.D
Acq: 05 Nov 2020 19:45

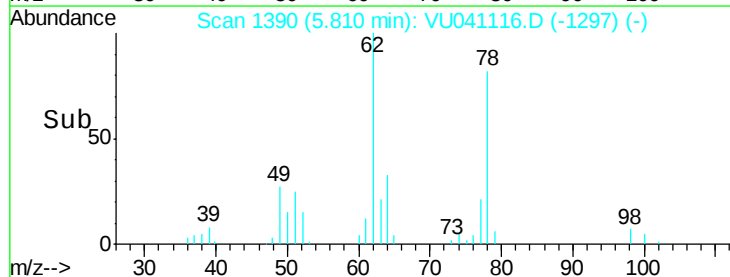
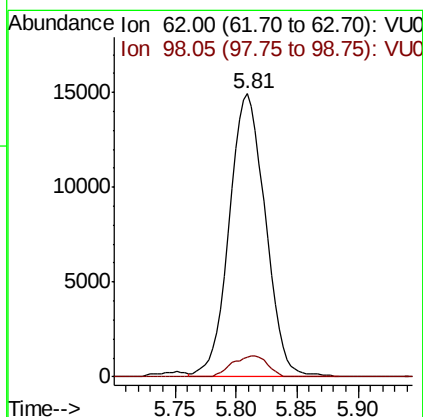
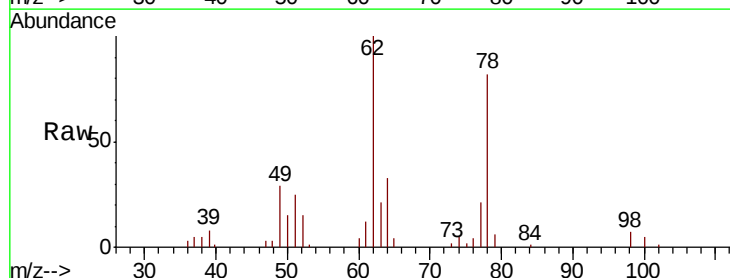
Instrument :
MSVOA_U
ClientSampleId :

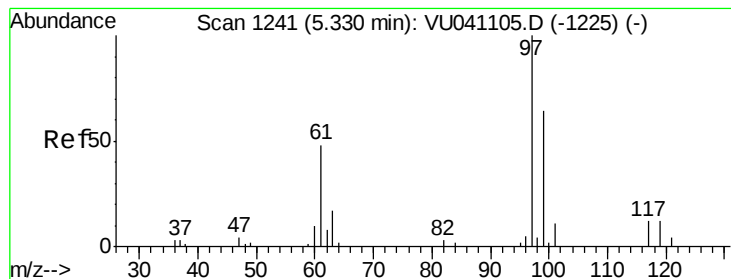
Tot Ion: 83 Resp: 44648
Ion Ratio Lower Upper
83 100
85 62.6 46.1 85.7



#27
1,2-Dichloroethane
Concen: 5.269 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041116.D
Acq: 05 Nov 2020 19:45

Tgt Ion: 62 Resp: 30795
Ion Ratio Lower Upper
62 100
98 7.1 7.6 11.4#





#29

1,1,1-Trichloroethane

Concen: 5.303 ug/L

RT: 5.33 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VU041116.D

Acq: 05 Nov 2020 19:45

Instrument :

MSVOA_U

ClientSampled :

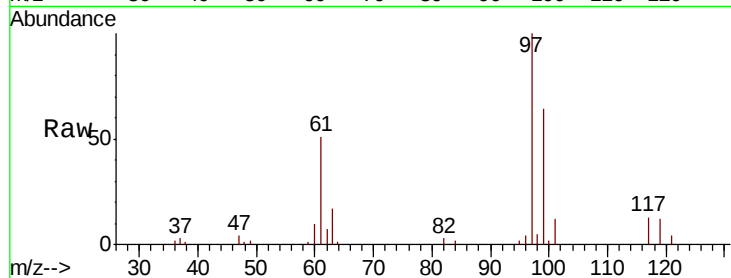
Tot Ion: 97 Resp: 36187

Ion Ratio Lower Upper

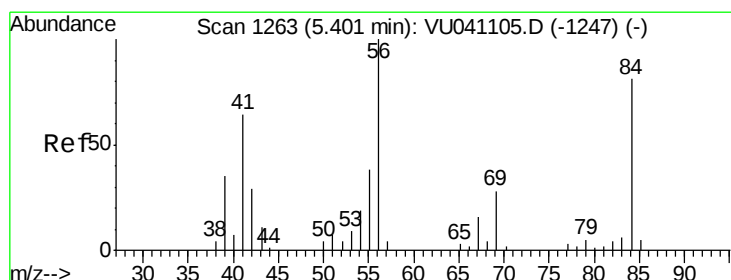
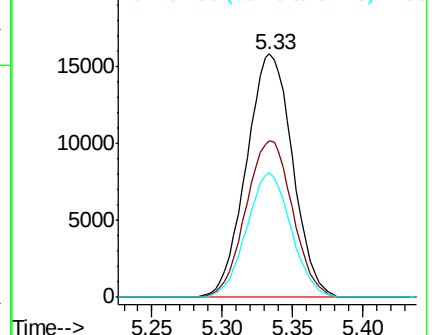
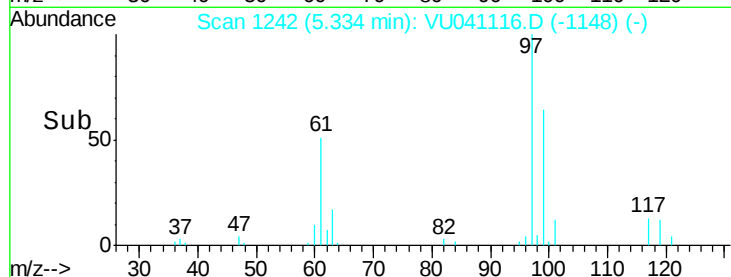
97 100

99 65.0 53.4 80.0

61 49.3 41.6 62.4



Abundance Ion 96.95 (96.65 to 97.65): VU041116.D (-1148) (-)



#30

Cyclohexane

Concen: 4.497 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VU041116.D

Acq: 05 Nov 2020 19:45

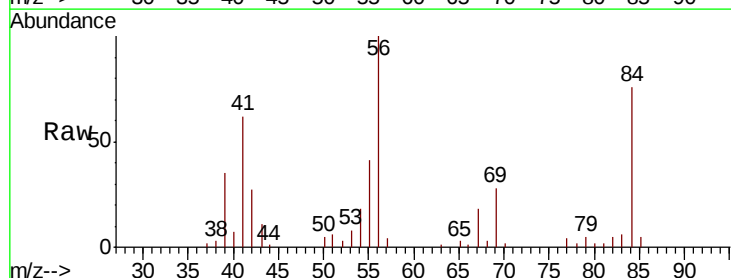
Tgt Ion: 56 Resp: 30240

Ion Ratio Lower Upper

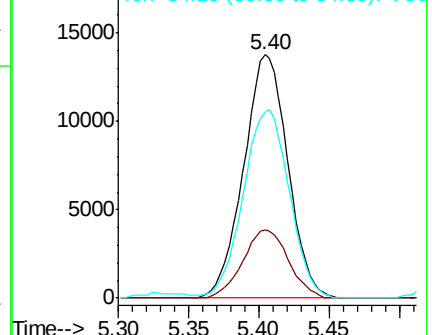
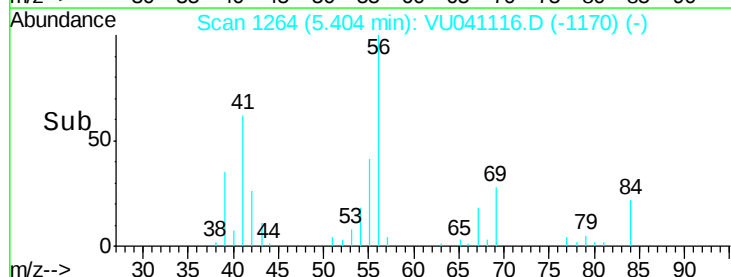
56 100

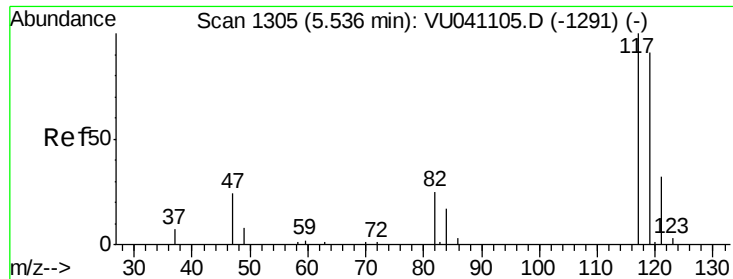
69 28.9 22.8 34.2

84 80.8 63.6 95.4



Abundance Ion 56.10 (55.80 to 56.80): VU041116.D (-1170) (-)

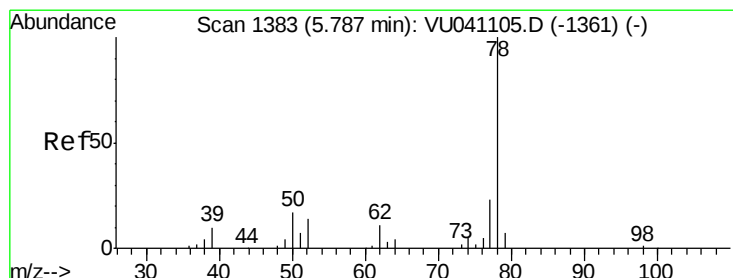
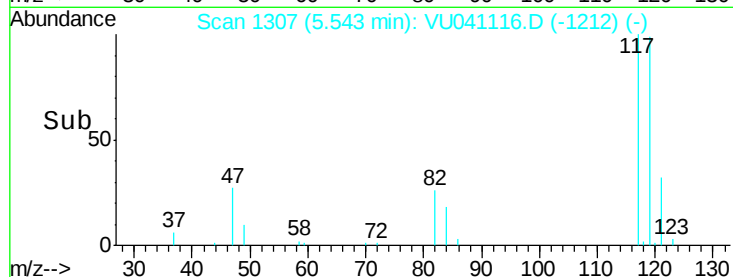
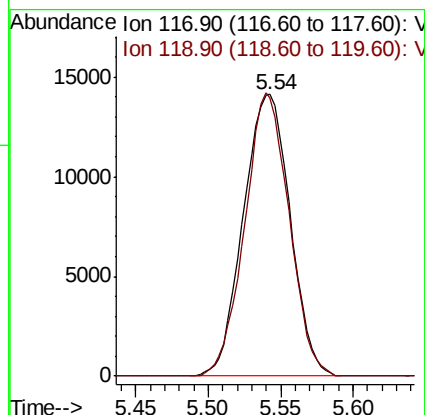
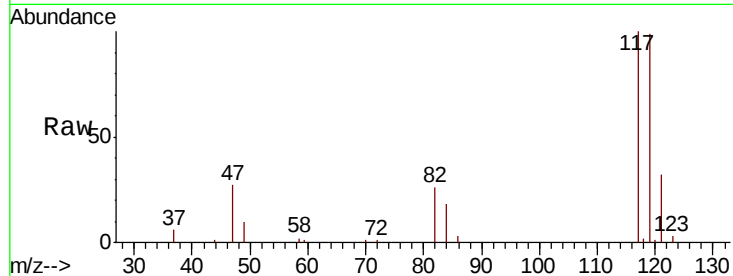




#31
Carbon tetrachloride
Concen: 5.259 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. 0.01 min
Lab File: VU041116.D
Acq: 05 Nov 2020 19:45

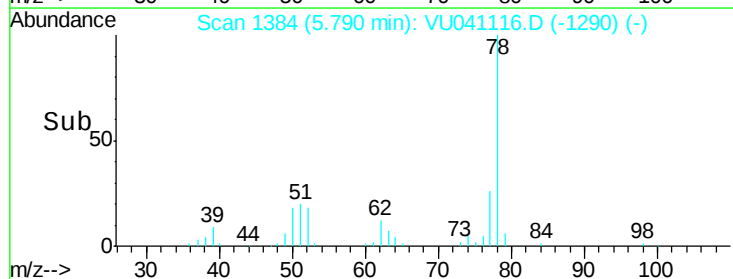
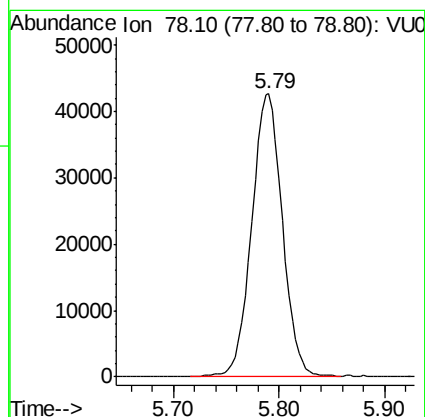
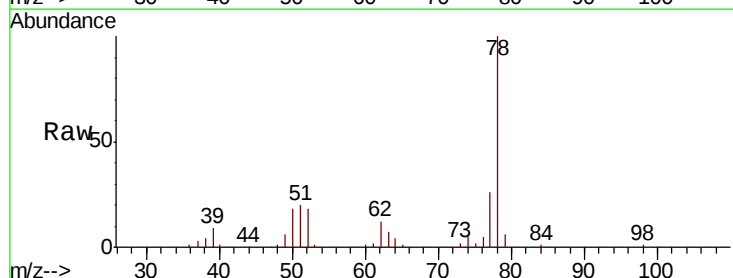
Instrument :
MSVOA_U
ClientSampleId :

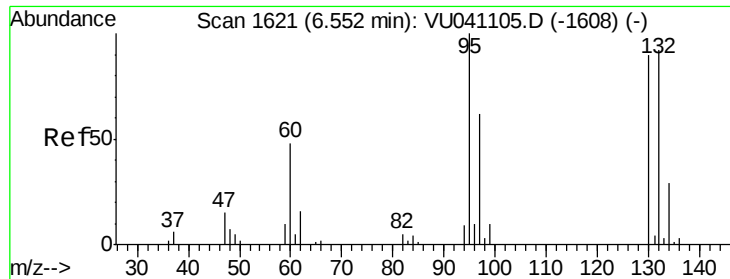
Tot Ion:117 Resp: 31782
Ion Ratio Lower Upper
117 100
119 95.2 76.1 114.1



#33
Benzene
Concen: 5.196 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU041116.D
Acq: 05 Nov 2020 19:45

Tgt Ion: 78 Resp: 86641

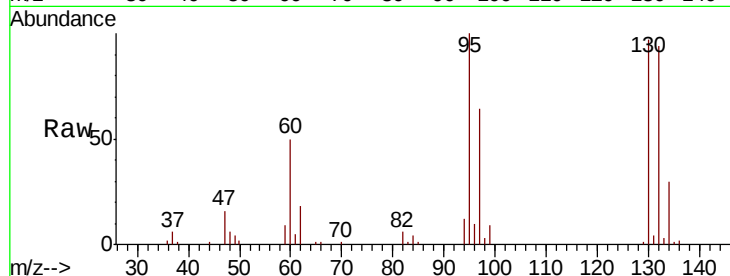




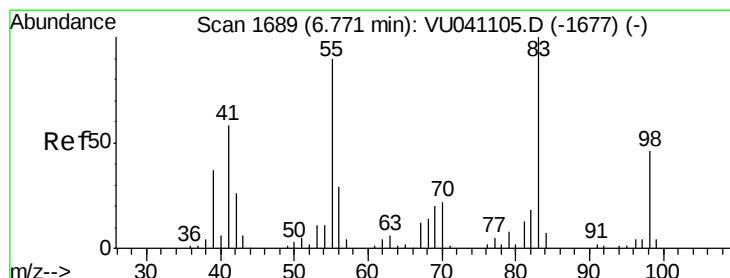
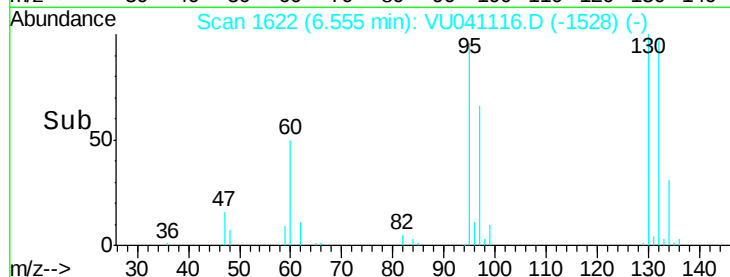
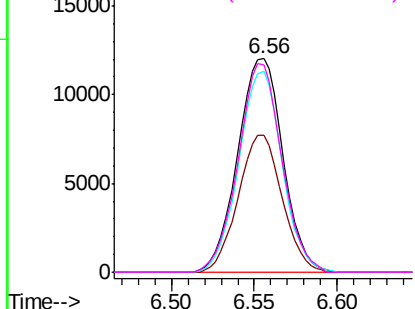
#34
 Trichloroethene
 Concen: 5.390 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU041116.D
 Acq: 05 Nov 2020 19:45

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 22870
 Ion Ratio Lower Upper
 95 100
 97 64.2 45.6 84.6
 132 93.9 64.8 120.4
 130 97.2 64.8 120.4

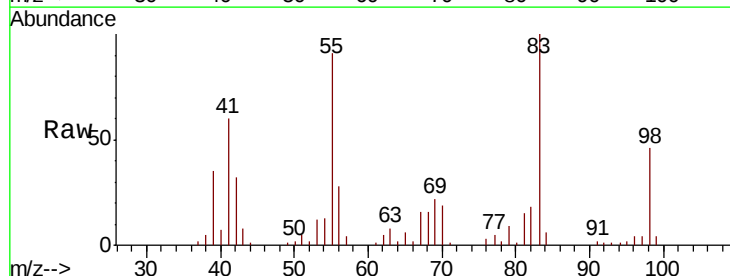


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

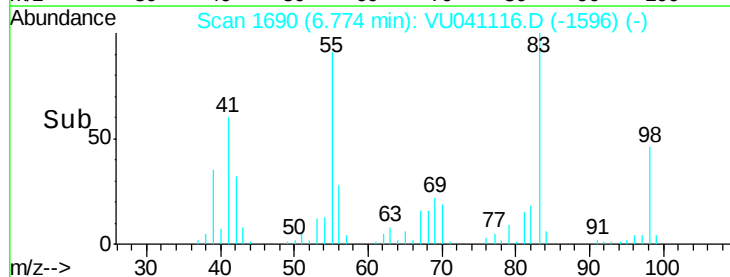
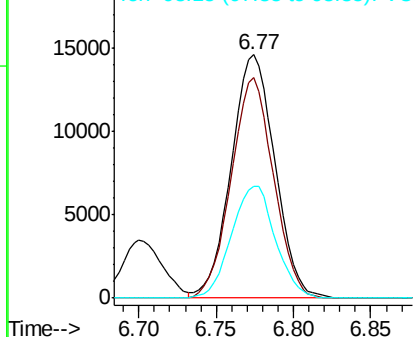


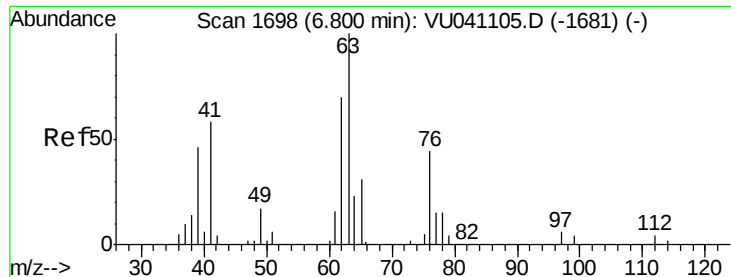
#35
 Methylcyclohexane
 Concen: 4.551 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU041116.D
 Acq: 05 Nov 2020 19:45

Tgt Ion: 83 Resp: 28806
 Ion Ratio Lower Upper
 83 100
 55 87.3 72.0 108.0
 98 45.9 36.6 55.0



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

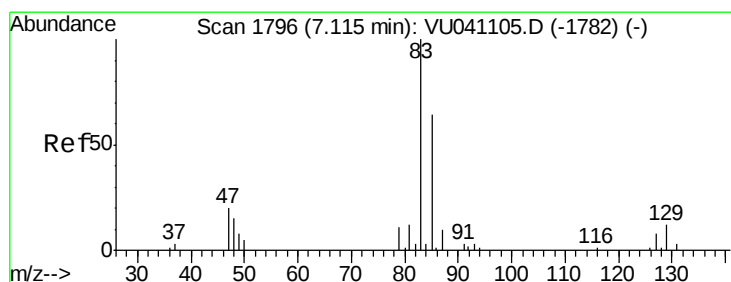
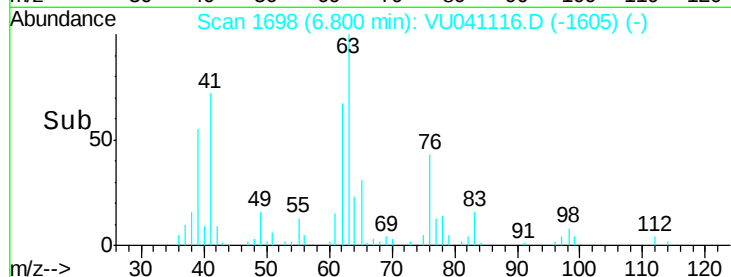
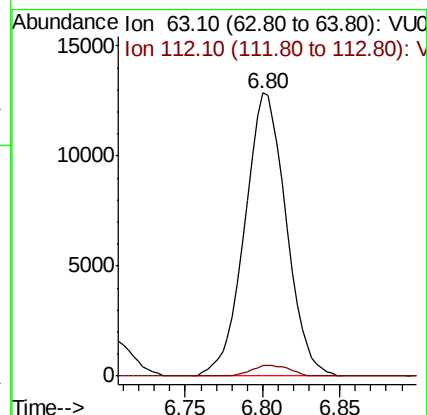
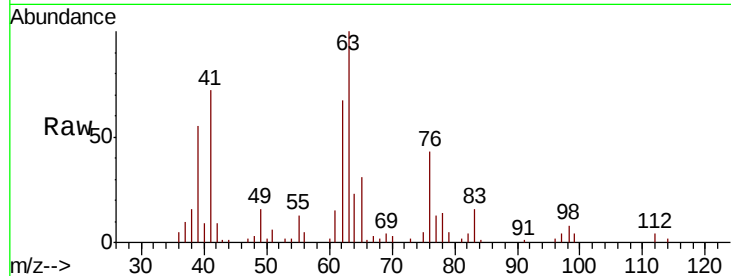




#37
 1,2-Dichloropropane
 Concen: 5.320 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VU041116.D
 Acq: 05 Nov 2020 19:45

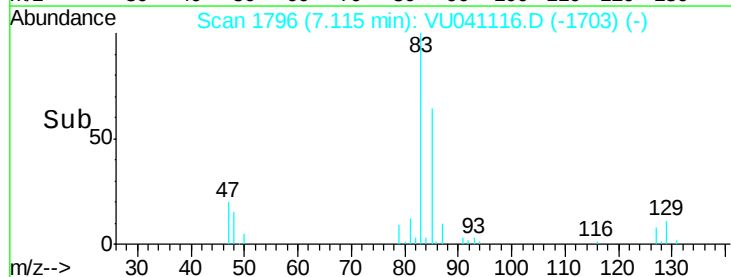
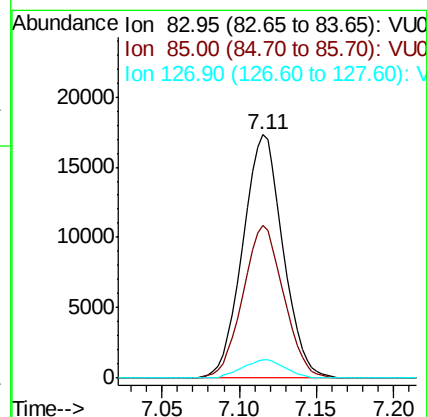
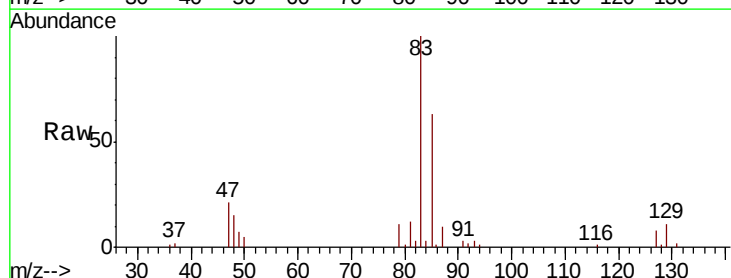
Instrument :
 MSVOA_U
 ClientSampled :

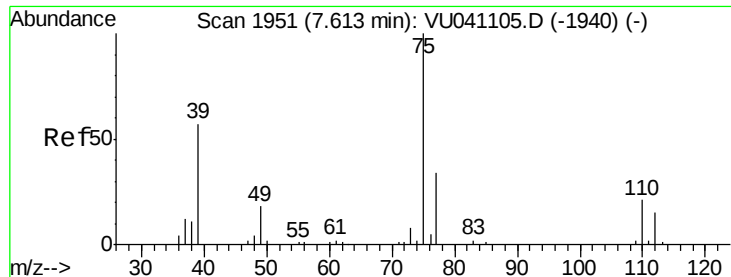
Tot Ion: 63 Resp: 24003
 Ion Ratio Lower Upper
 63 100
 112 3.5 3.6 5.4#



#38
 Bromodichloromethane
 Concen: 5.352 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU041116.D
 Acq: 05 Nov 2020 19:45

Tgt Ion: 83 Resp: 31318
 Ion Ratio Lower Upper
 83 100
 85 62.7 43.3 80.3
 127 7.7 5.9 8.9

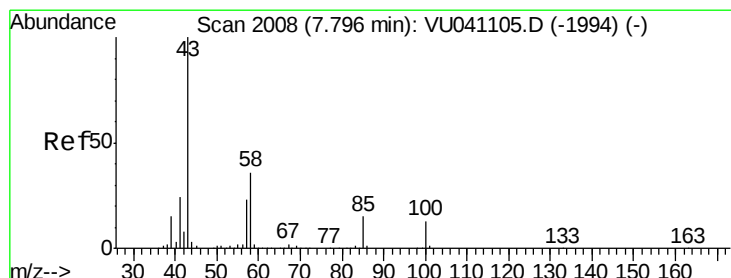
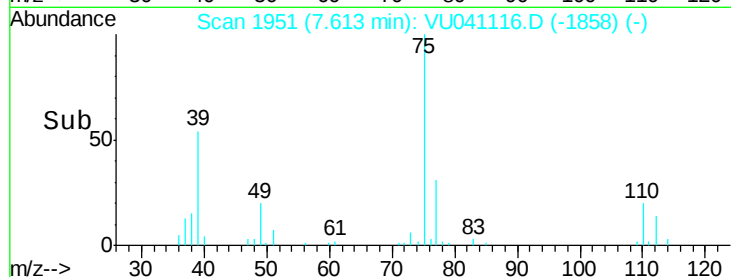
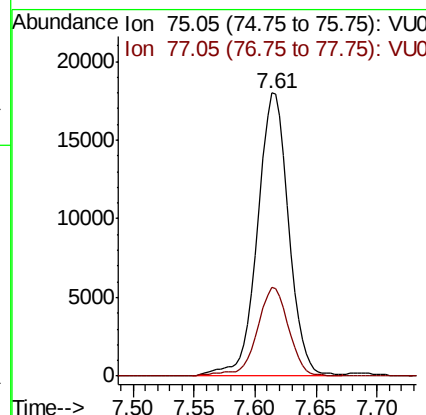
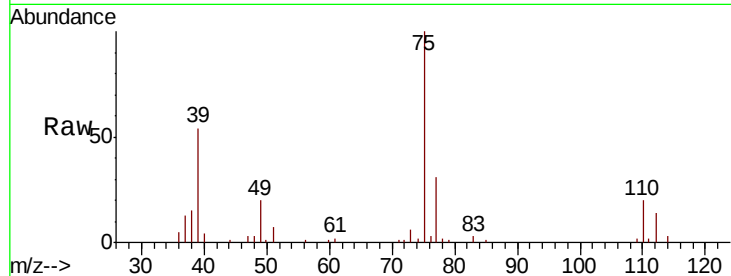




#39
 cis-1,3-Dichloropropene
 Concen: 5.125 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041116.D
 Acq: 05 Nov 2020 19:45

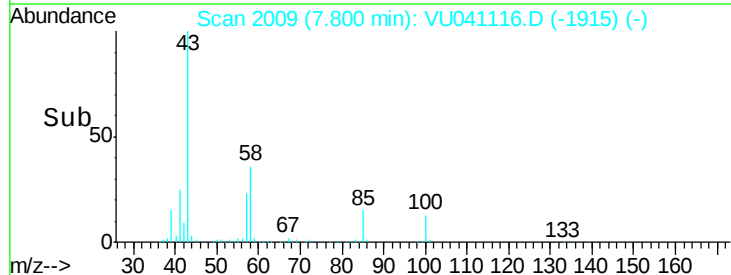
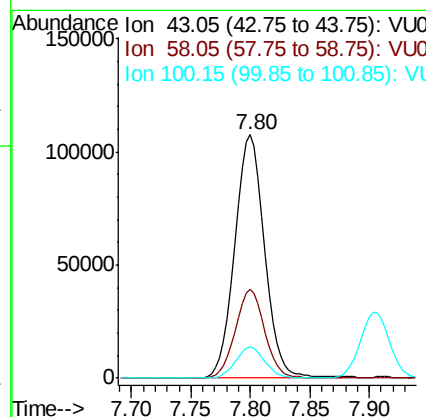
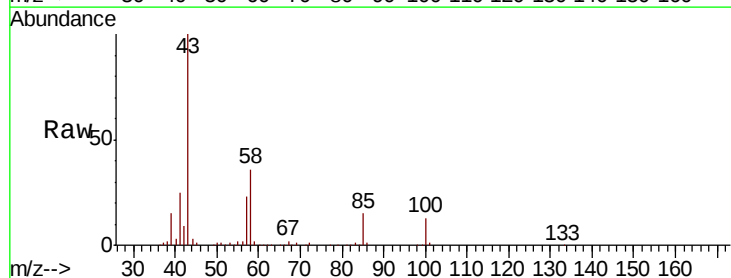
Instrument :
 MSVOA_U
 ClientSampleId :

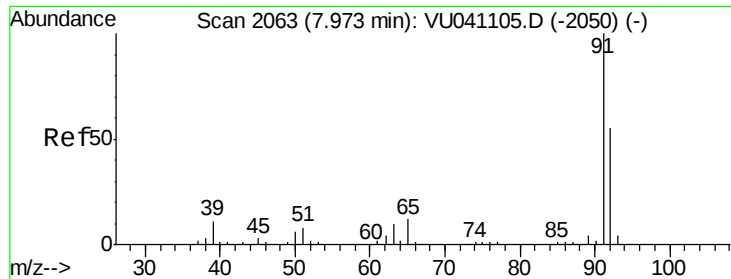
Tot Ion: 75 Resp: 31832
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 52.024 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041116.D
 Acq: 05 Nov 2020 19:45

Tgt Ion: 43 Resp: 187137
 Ion Ratio Lower Upper
 43 100
 58 35.9 29.8 44.6
 100 12.4 10.5 15.7





#42

Toluene

Concen: 5.382 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041116.D

Acq: 05 Nov 2020 19:45

Instrument :

MSVOA_U

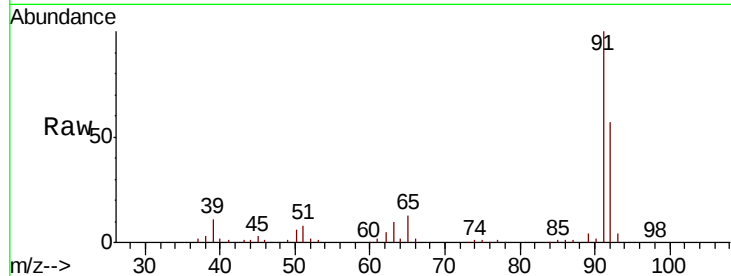
ClientSampleId :

Tot Ion: 91 Resp: 90988

Ion Ratio Lower Upper

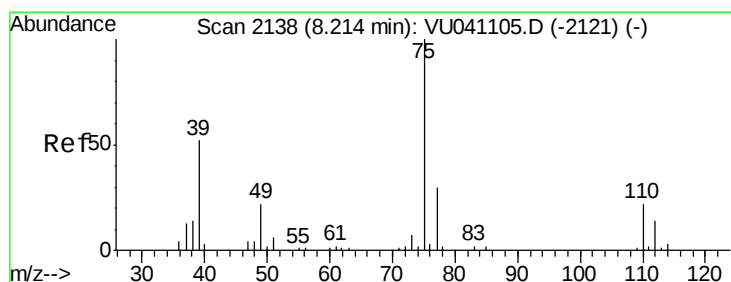
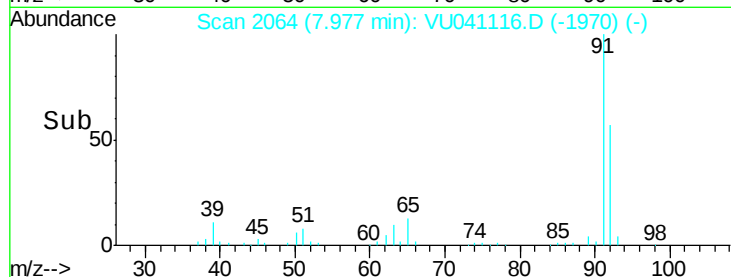
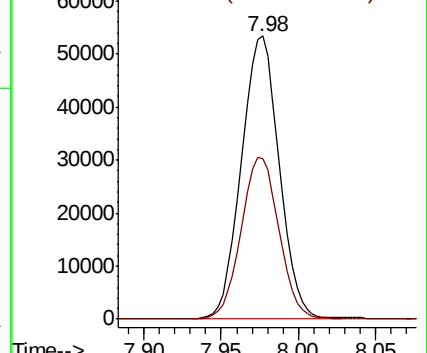
91 100

92 56.8 40.6 75.4



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: 5.221 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041116.D

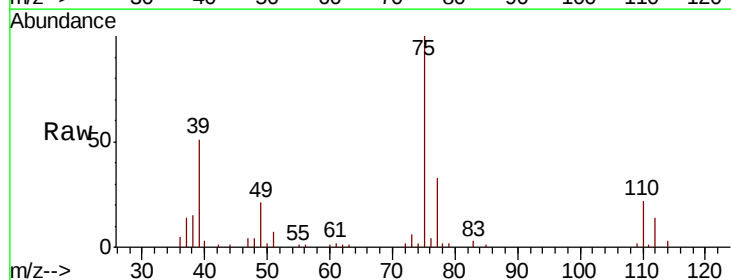
Acq: 05 Nov 2020 19:45

Tgt Ion: 75 Resp: 30352

Ion Ratio Lower Upper

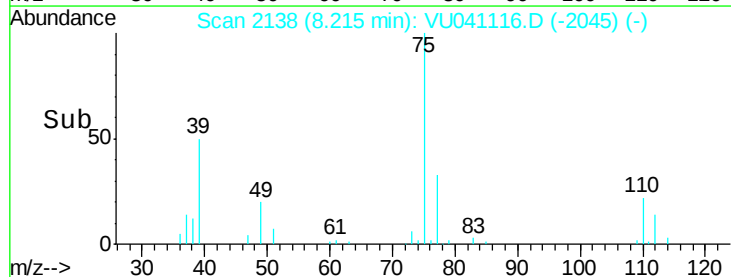
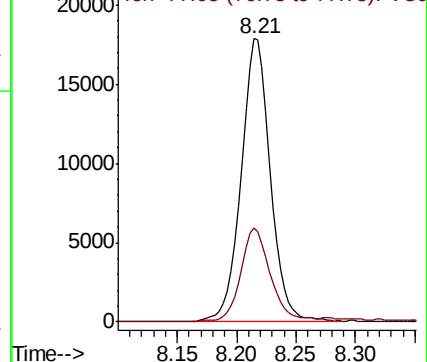
75 100

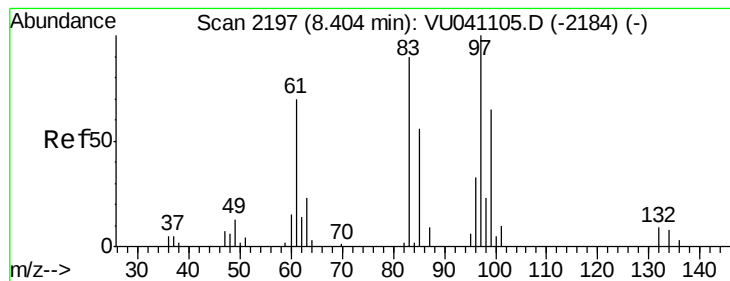
77 33.1 23.3 43.3



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: 5.223 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VU041116.D

Acq: 05 Nov 2020 19:45

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 97 Resp: 17540

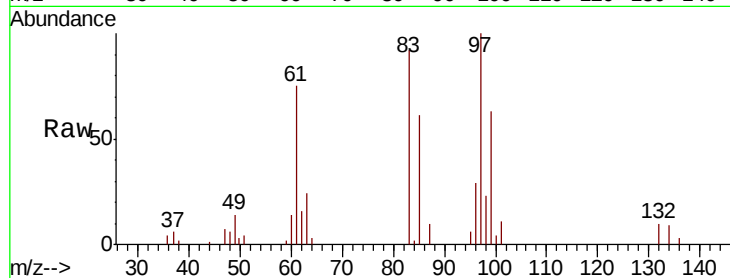
Ion Ratio Lower Upper

97 100

99 63.4 45.8 85.2

83 92.4 67.9 126.1

85 60.9 42.8 79.6

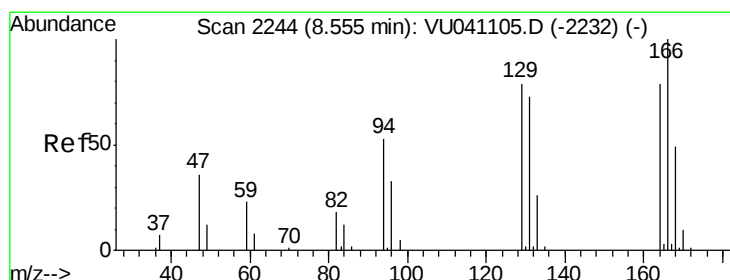
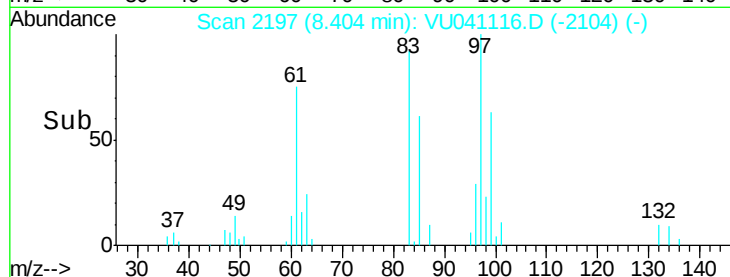
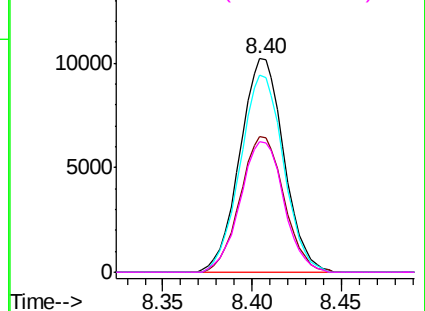


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 5.490 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041116.D

Acq: 05 Nov 2020 19:45

Tgt Ion: 164 Resp: 17128

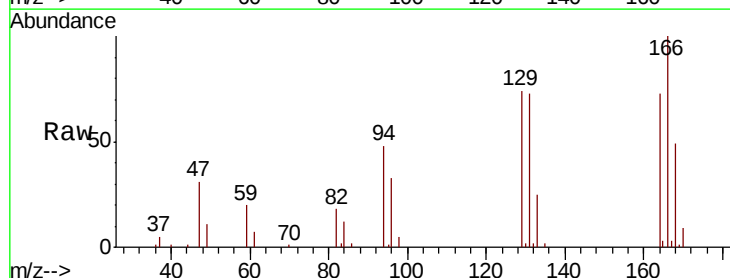
Ion Ratio Lower Upper

164 100

129 101.7 70.3 130.7

131 100.2 70.8 131.4

166 136.7 92.0 170.8

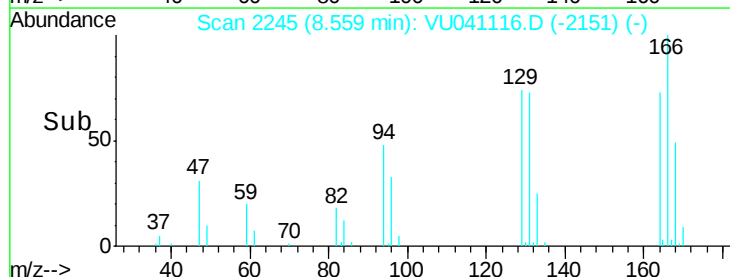
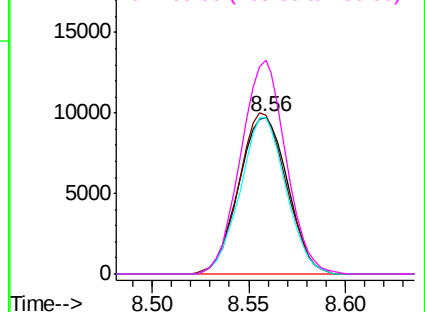


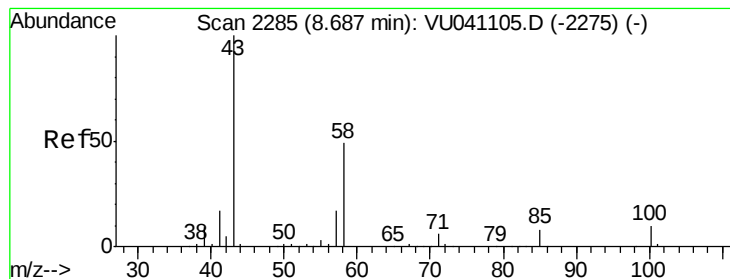
Abundance Ion 163.90 (163.60 to 164.60): V

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: 52.289 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VU041116.D

Acq: 05 Nov 2020 19:45

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 43 Resp: 141625

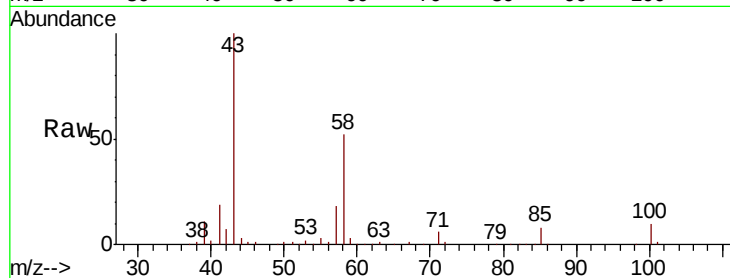
Ion Ratio Lower Upper

43 100

58 50.6 41.4 62.2

57 18.5 14.6 21.8

100 9.6 8.3 12.5



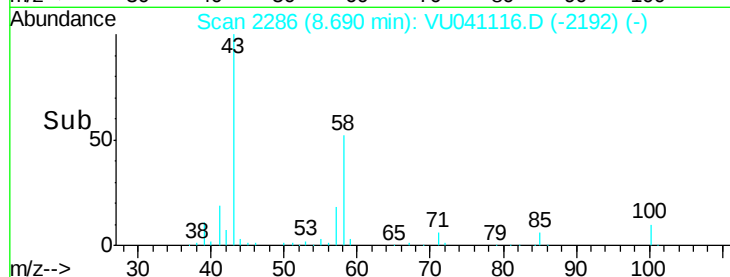
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

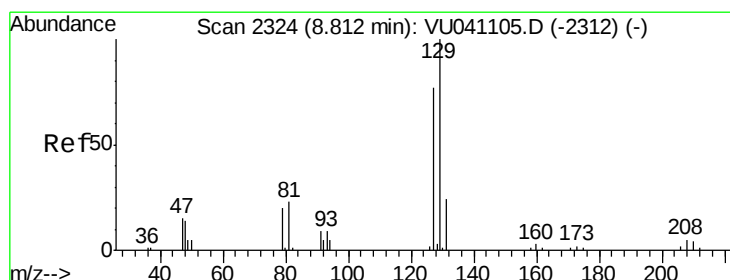
Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0

Time-->



Time-->



#49

Dibromochloromethane

Concen: 5.562 ug/L

RT: 8.81 min Scan# 2324

Delta R.T. 0.00 min

Lab File: VU041116.D

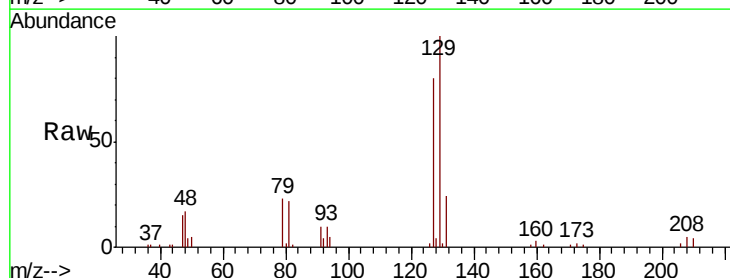
Acq: 05 Nov 2020 19:45

Tgt Ion: 129 Resp: 21694

Ion Ratio Lower Upper

129 100

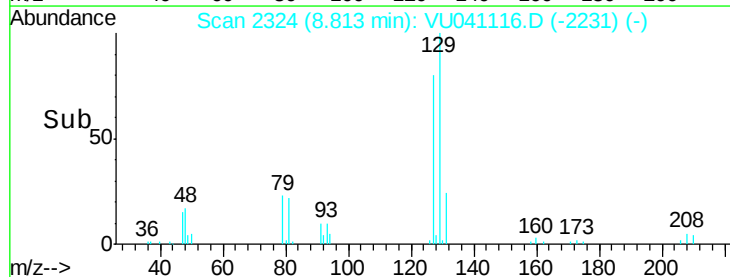
127 79.9 53.4 99.2



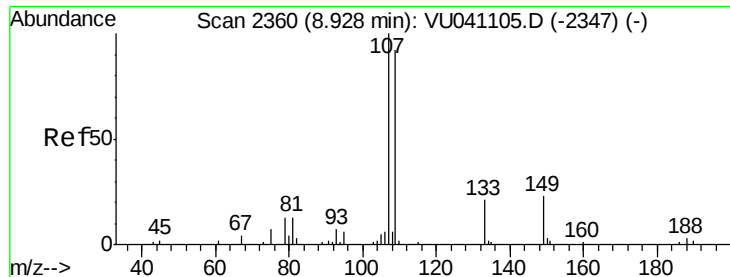
Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

Time-->



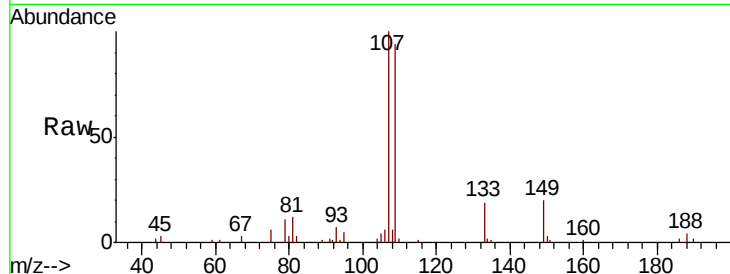
Time-->



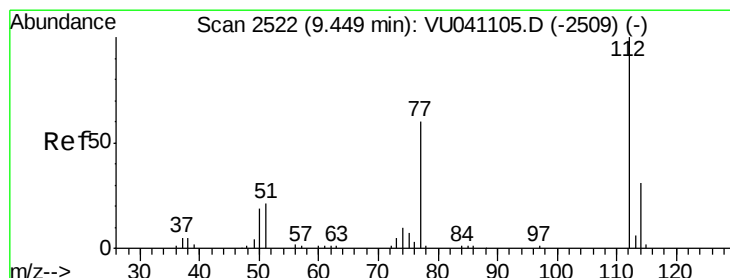
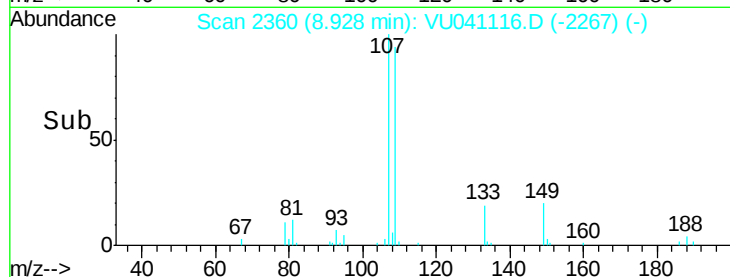
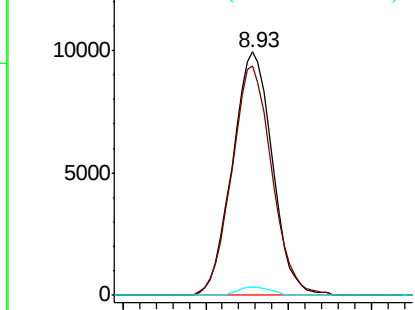
#50
1,2-Dibromoethane
Concen: 5.198 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU041116.D
Acq: 05 Nov 2020 19:45

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:107 Resp: 16635
Ion Ratio Lower Upper
107 100
109 94.1 65.6 121.8
188 3.6 2.9 4.3

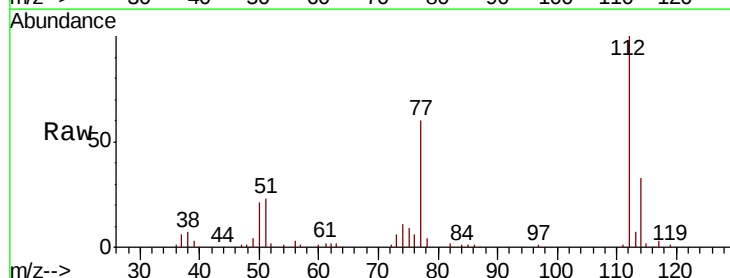


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

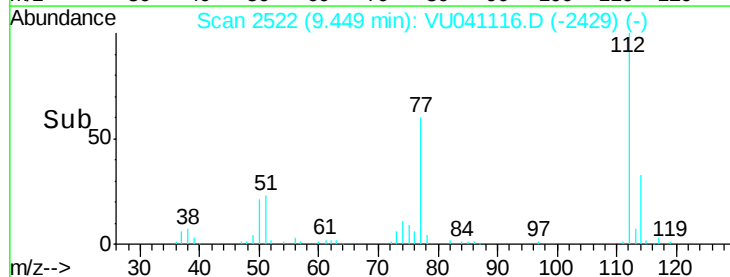
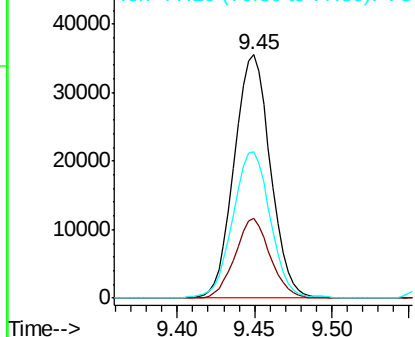


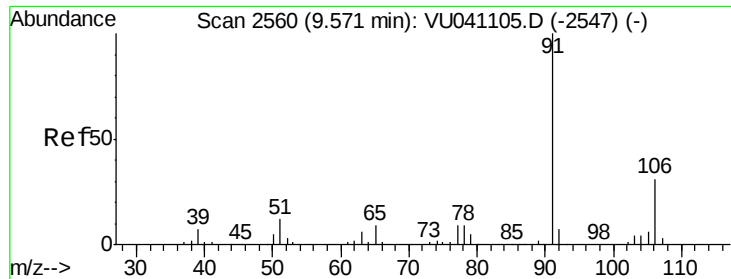
#51
Chlorobenzene
Concen: 5.401 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU041116.D
Acq: 05 Nov 2020 19:45

Tgt Ion:112 Resp: 57899
Ion Ratio Lower Upper
112 100
114 32.7 22.4 41.6
77 59.9 51.2 76.8



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: 5.169 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041116.D

Acq: 05 Nov 2020 19:45

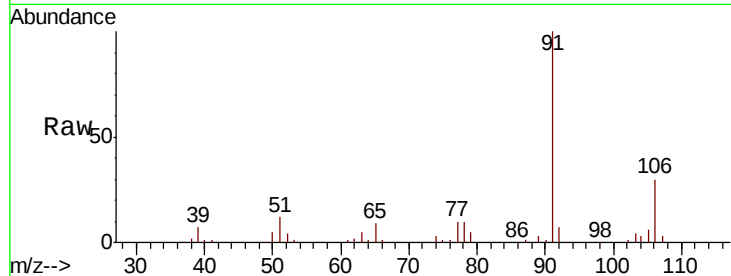
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 91988

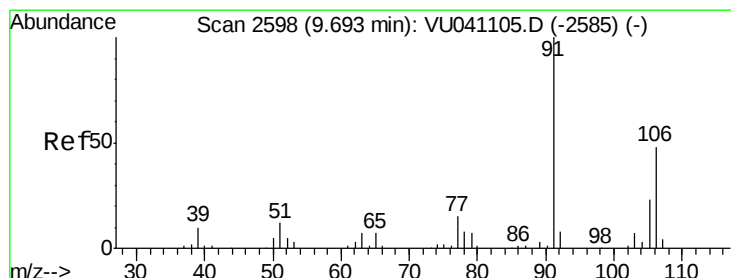
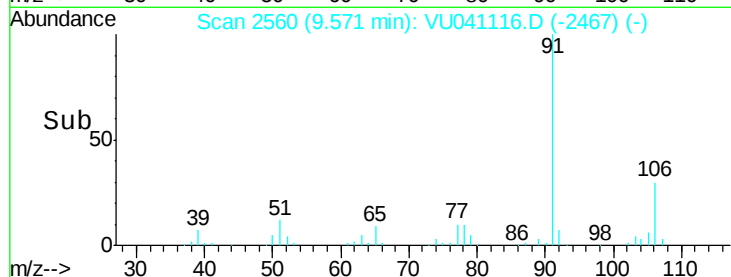
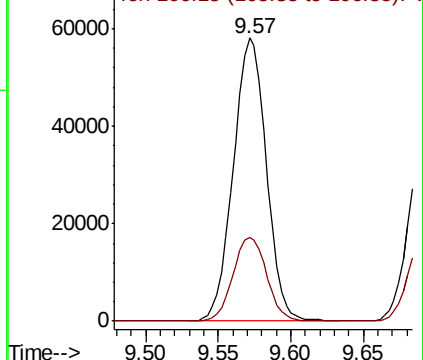
Ion Ratio Lower Upper

91 100

106 29.8 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU041116.D (-2467) (-)



#53

m,p-Xylene

Concen: 5.401 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041116.D

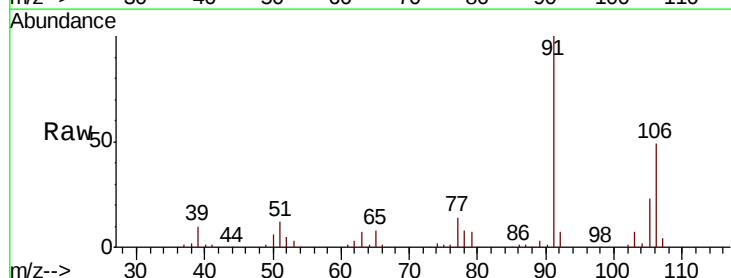
Acq: 05 Nov 2020 19:45

Tgt Ion: 106 Resp: 35054

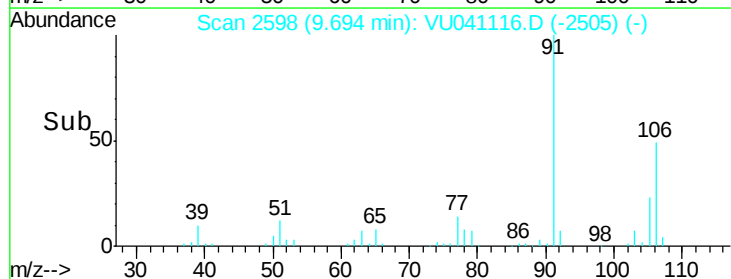
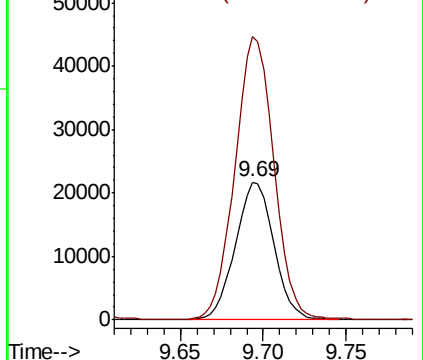
Ion Ratio Lower Upper

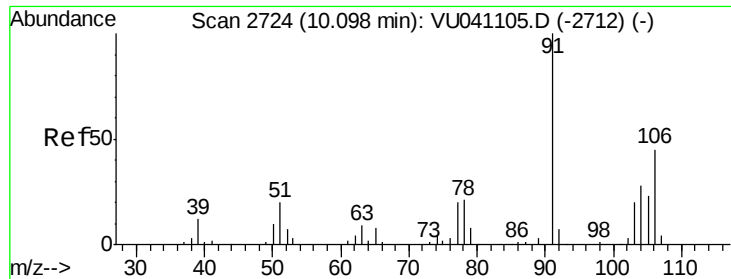
106 100

91 205.8 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): VU041116.D (-2505) (-)

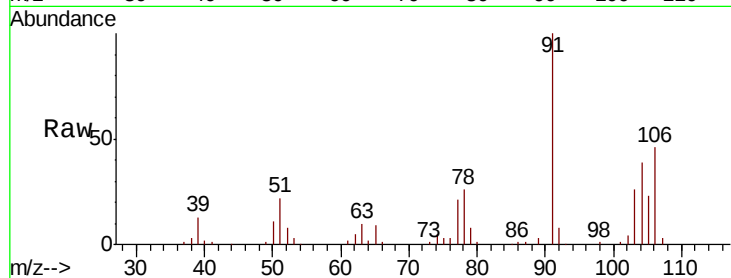




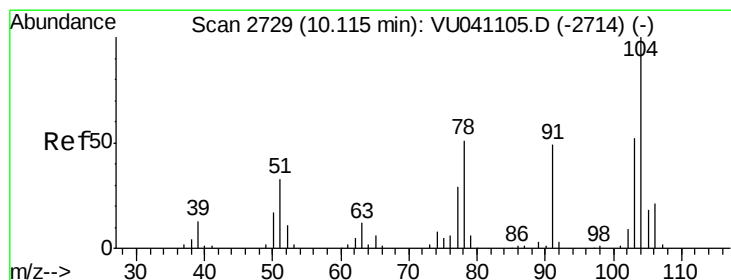
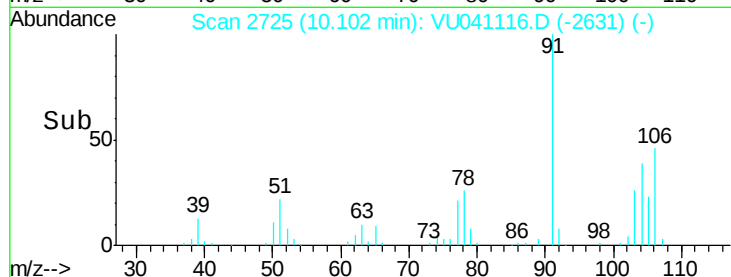
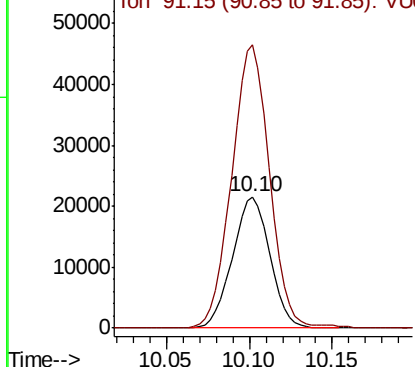
#54
o-Xylene
Concen: 5.590 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU041116.D
Acq: 05 Nov 2020 19:45

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 33790
Ion Ratio Lower Upper
106 100
91 215.2 154.3 286.5

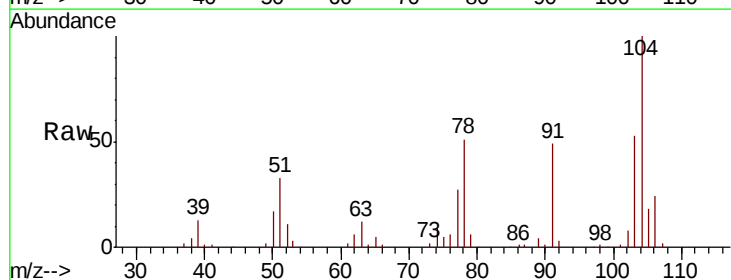


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

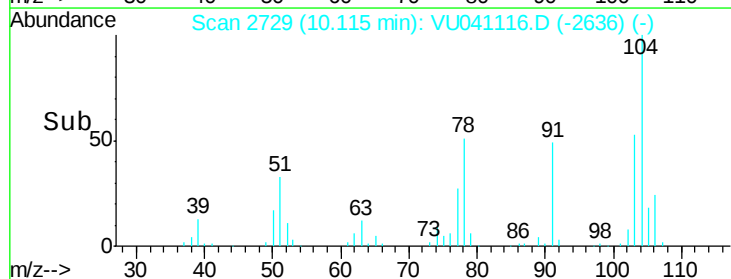
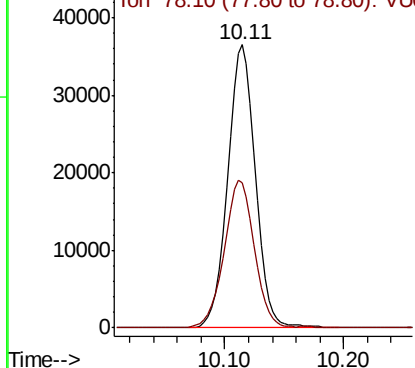


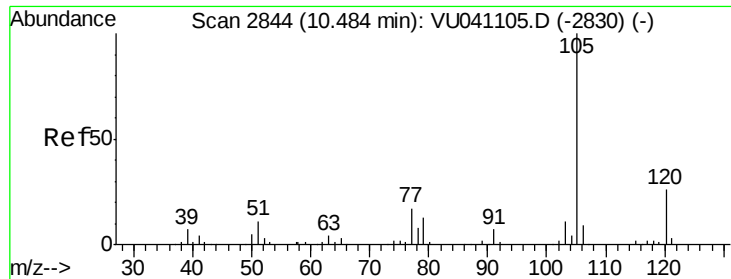
#55
Styrene
Concen: 5.463 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041116.D
Acq: 05 Nov 2020 19:45

Tgt Ion:104 Resp: 58831
Ion Ratio Lower Upper
104 100
78 51.3 35.5 65.9



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





#56

Isopropylbenzene

Concen: 5.488 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU041116.D

Acq: 05 Nov 2020 19:45

Instrument :

MSVOA_U

ClientSampled :

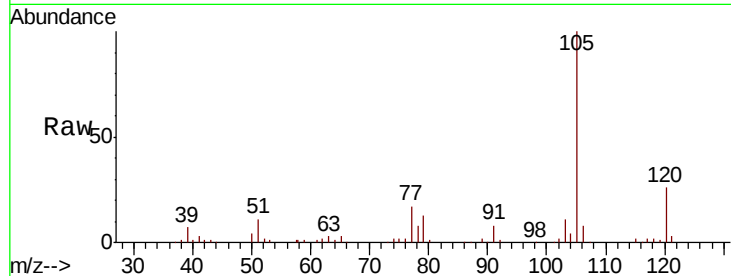
Tot Ion:105 Resp: 89206

Ion Ratio Lower Upper

105 100

120 25.9 20.7 31.1

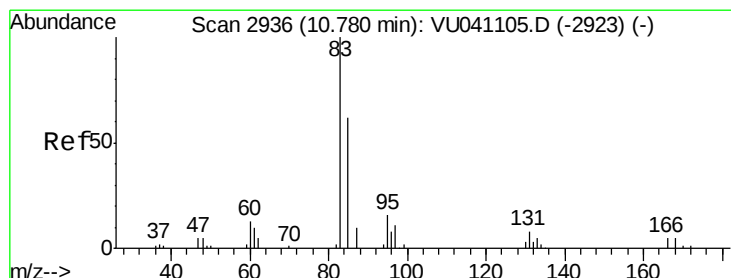
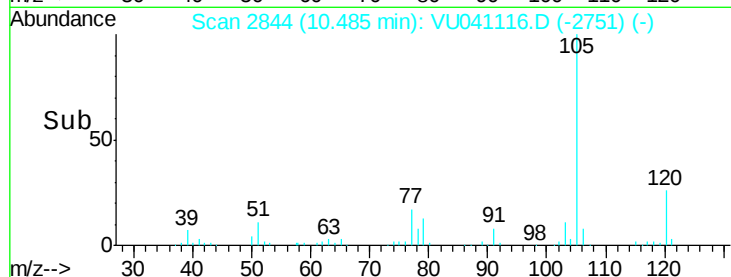
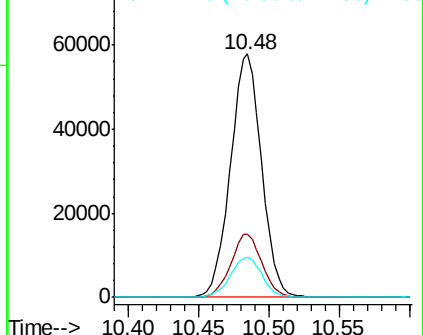
77 16.9 13.8 20.6



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: 5.055 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041116.D

Acq: 05 Nov 2020 19:45

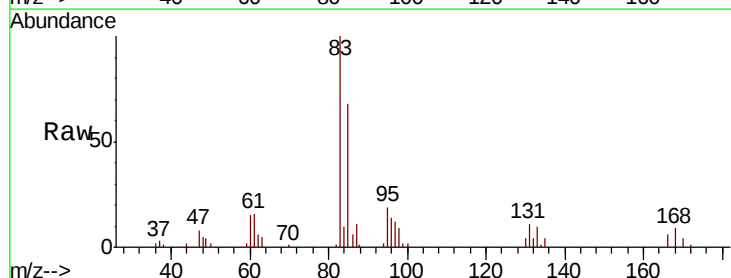
Tgt Ion: 83 Resp: 22296

Ion Ratio Lower Upper

83 100

85 68.1 44.4 82.4

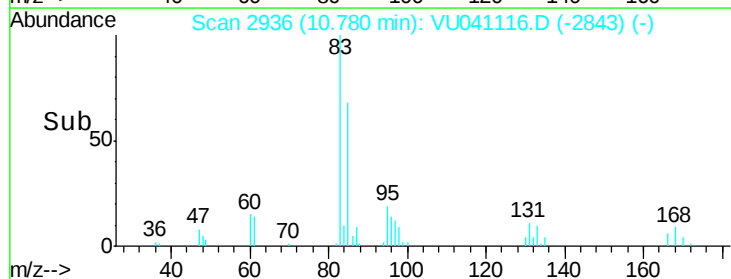
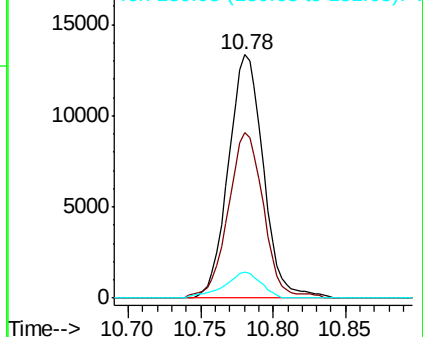
131 10.7 7.7 11.5

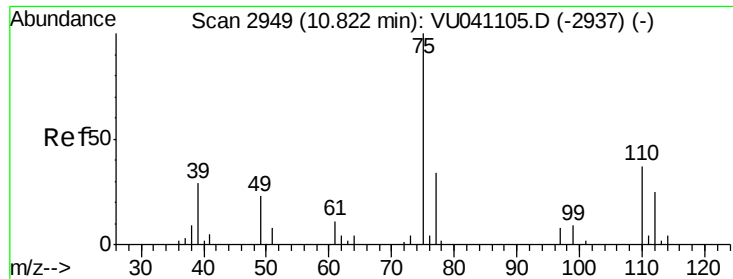


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

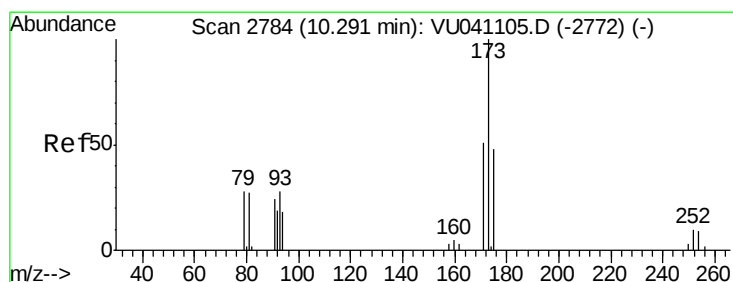
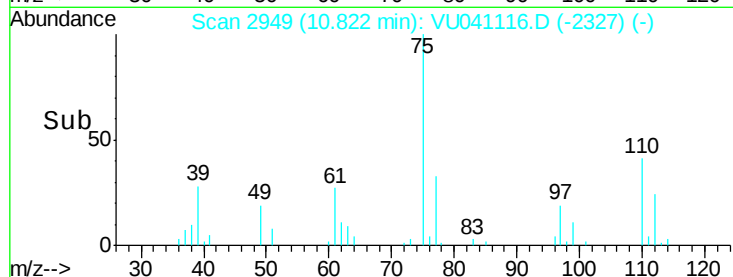
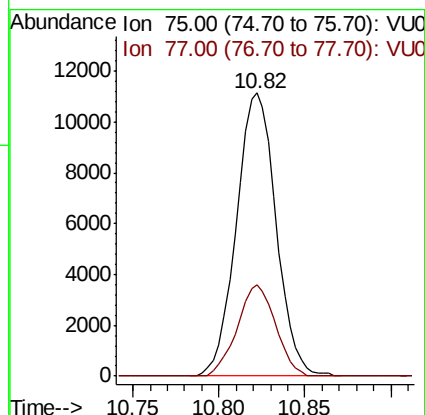
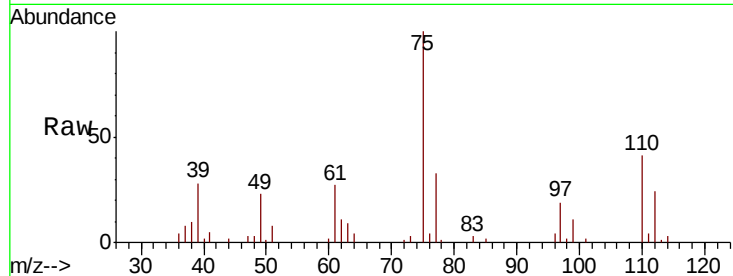




#59
 1,2,3-Trichloropropane
 Concen: 5.317 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU041116.D
 Acq: 05 Nov 2020 19:45

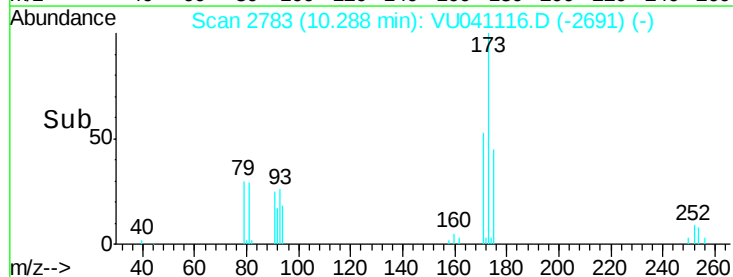
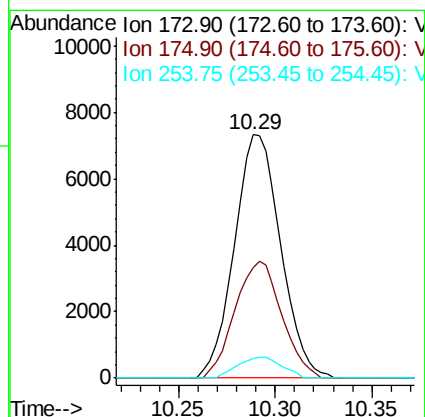
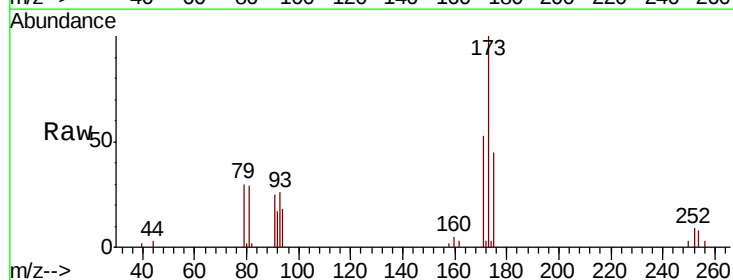
Instrument :
 MSVOA_U
 ClientSampled :

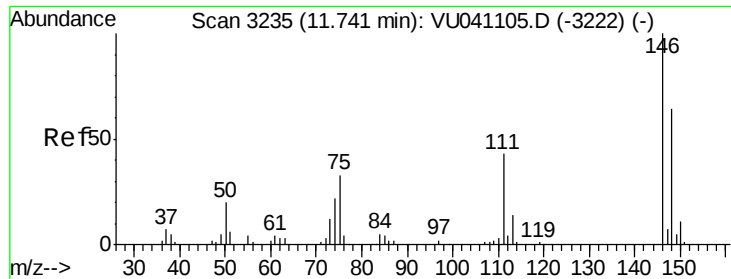
Tot Ion: 75 Resp: 17878
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.7 38.5



#61
 Bromoform
 Concen: 5.343 ug/L
 RT: 10.29 min Scan# 2783
 Delta R.T. -0.00 min
 Lab File: VU041116.D
 Acq: 05 Nov 2020 19:45

Tgt Ion: 173 Resp: 12179
 Ion Ratio Lower Upper
 173 100
 175 48.4 37.6 56.4
 254 8.2 6.6 9.8





#62

1,3-Dichlorobenzene

Concen: 5.488 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU041116.D

Acq: 05 Nov 2020 19:45

Instrument :

MSVOA_U

ClientSampleId :

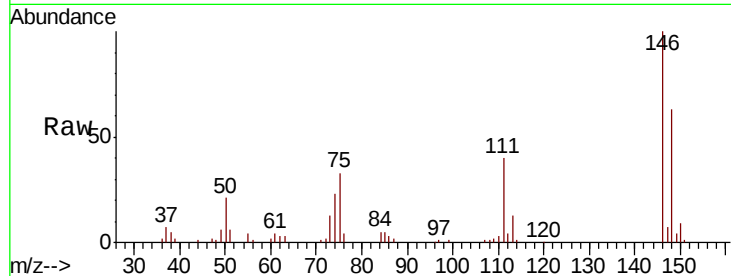
Tot Ion:146 Resp: 46855

Ion Ratio Lower Upper

146 100

111 40.3 30.9 57.3

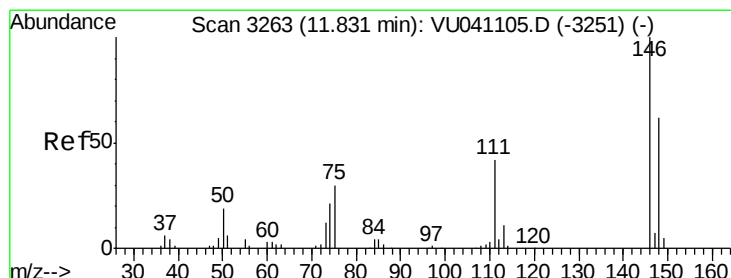
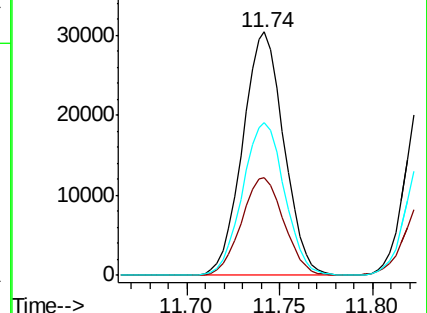
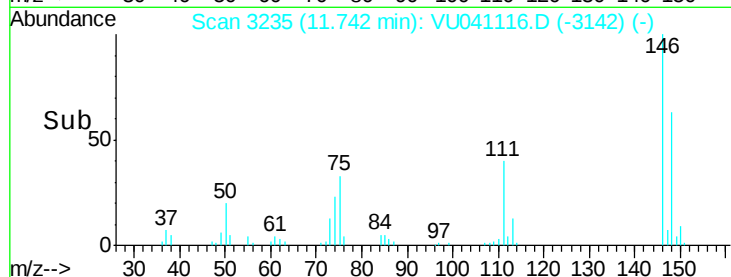
148 62.7 45.8 85.2



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: 5.324 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU041116.D

Acq: 05 Nov 2020 19:45

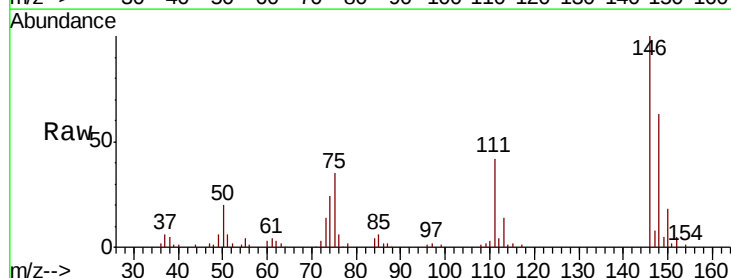
Tgt Ion:146 Resp: 47083

Ion Ratio Lower Upper

146 100

111 41.6 28.3 52.7

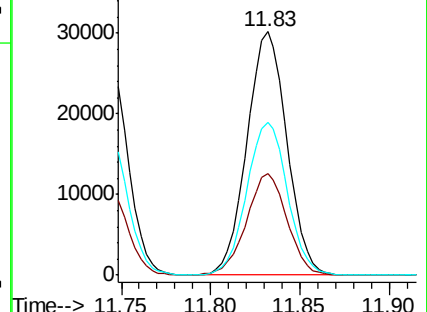
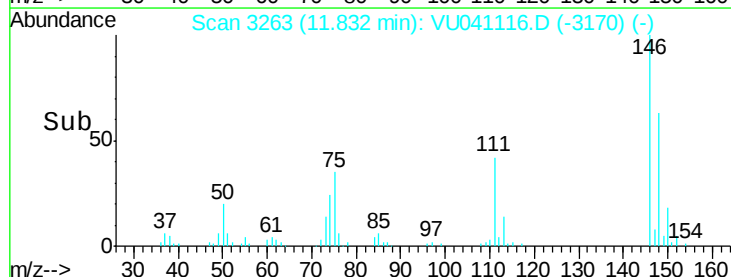
148 62.7 44.2 82.2

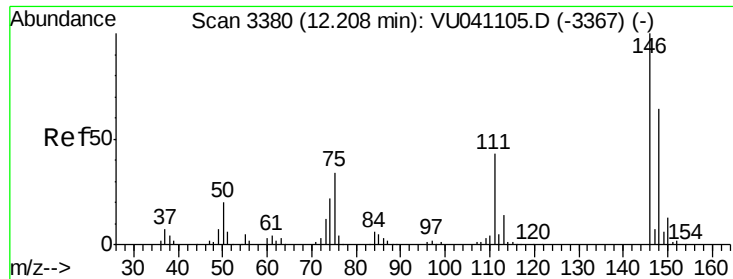


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.337 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU041116.D

Acq: 05 Nov 2020 19:45

Instrument :

MSVOA_U

ClientSampled :

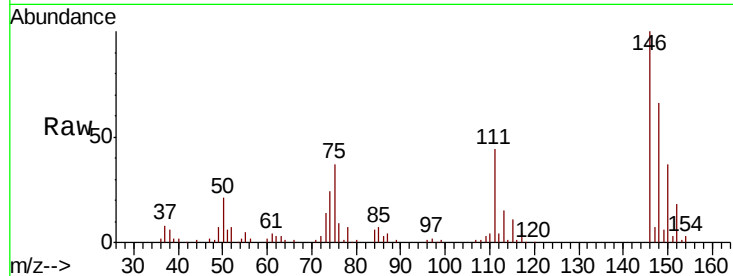
Tot Ion:146 Resp: 44968

Ion Ratio Lower Upper

146 100

111 44.4 35.0 52.6

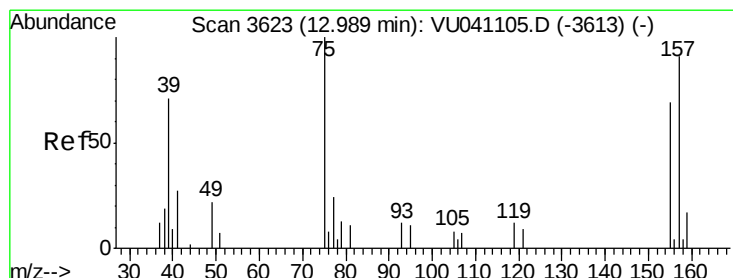
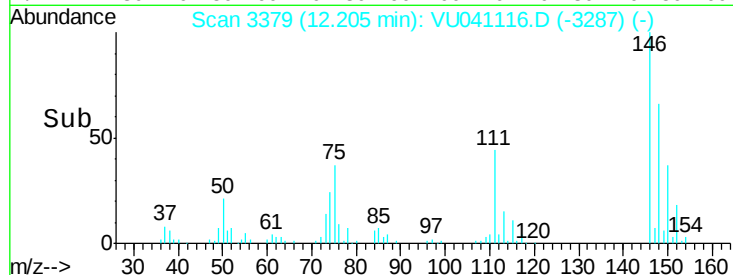
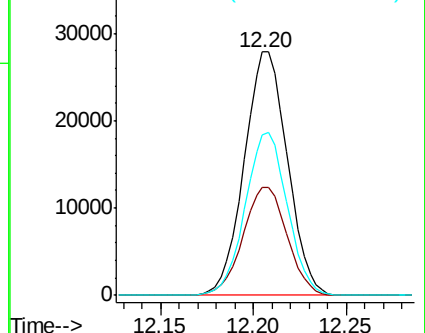
148 66.0 52.0 78.0



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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.936 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU041116.D

Acq: 05 Nov 2020 19:45

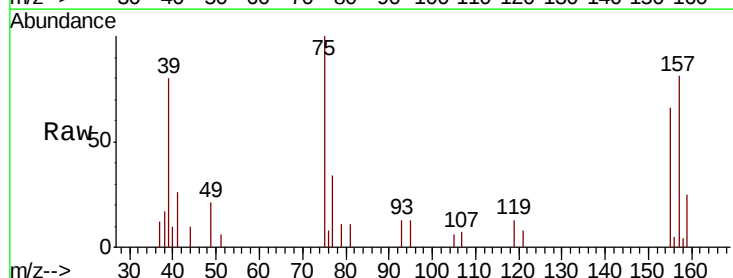
Tgt Ion: 75 Resp: 4076

Ion Ratio Lower Upper

75 100

155 66.1 61.4 92.2

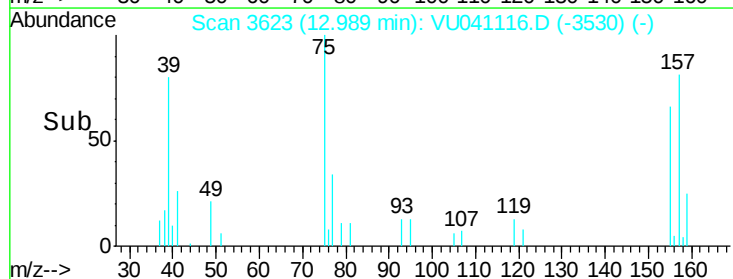
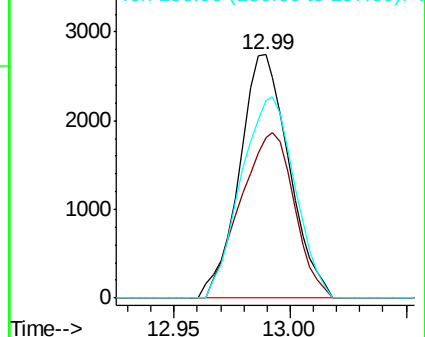
157 81.0 74.2 111.4

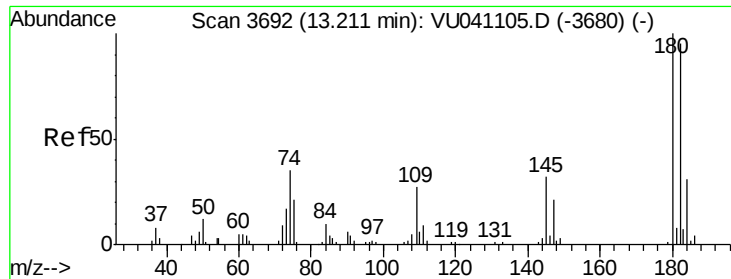


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

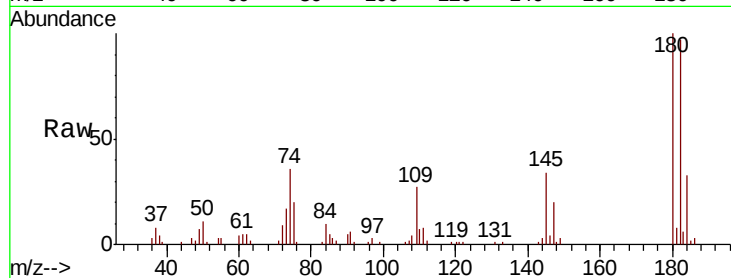




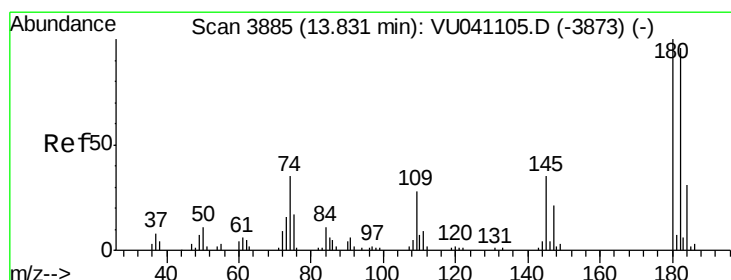
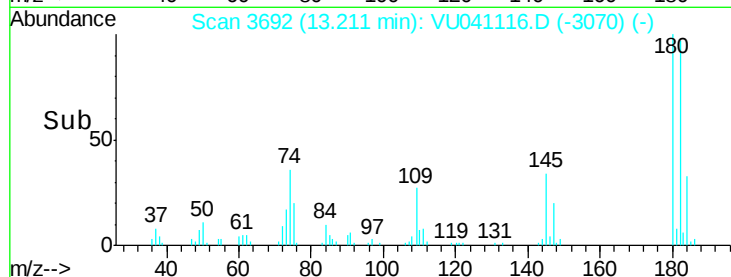
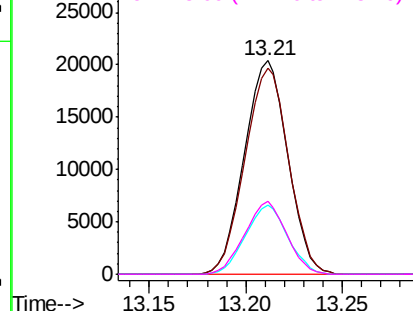
#67
 1,3,5-Trichlorobenzene
 Concen: 5.333 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041116.D
 Acq: 05 Nov 2020 19:45

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 31846
 Ion Ratio Lower Upper
 180 100
 182 97.1 75.7 113.5
 184 31.6 23.7 35.5
 145 32.8 26.1 39.1

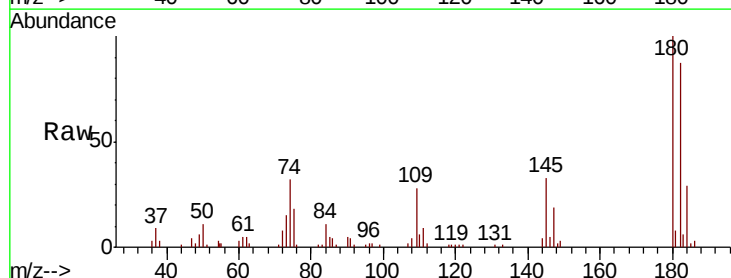


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

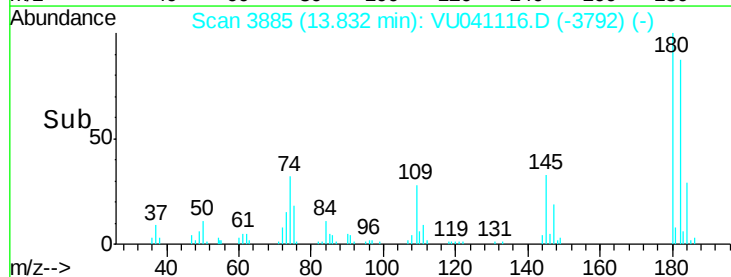
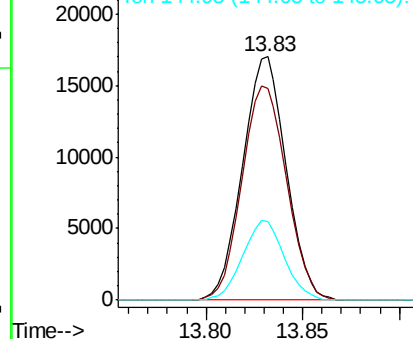


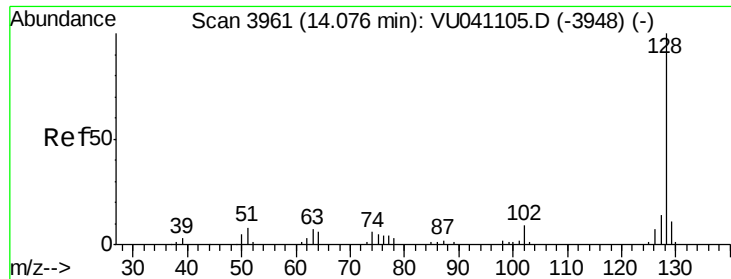
#68
 1,2,4-trichlorobenzene
 Concen: 5.391 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU041116.D
 Acq: 05 Nov 2020 19:45

Tgt Ion:180 Resp: 26667
 Ion Ratio Lower Upper
 180 100
 182 90.1 73.5 110.3
 145 31.2 26.6 40.0



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: 4.648 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU041116.D

Acq: 05 Nov 2020 19:45

Instrument :

MSVOA_U

ClientSampleId :

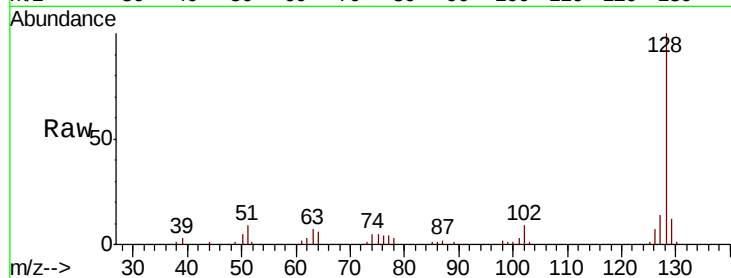
Tot Ion:128 Resp: 41114

Ion Ratio Lower Upper

128 100

129 11.4 8.7 13.1

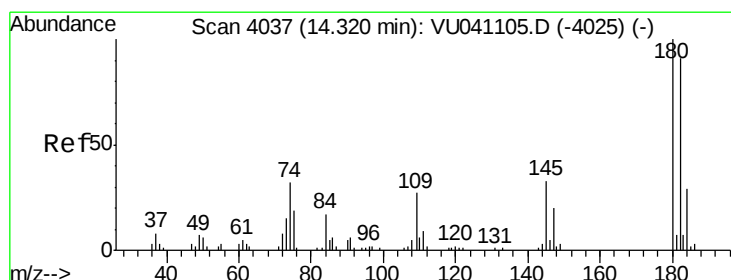
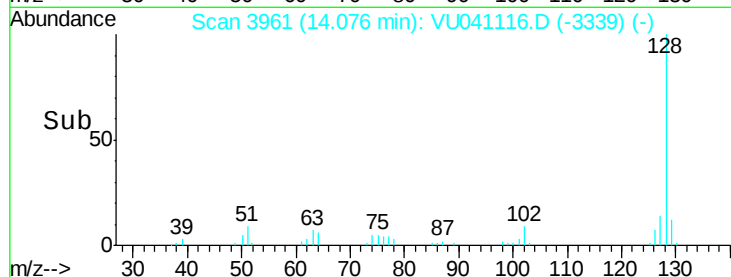
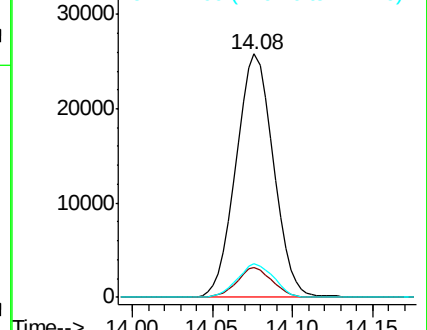
127 13.3 10.8 16.2



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: 5.433 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU041116.D

Acq: 05 Nov 2020 19:45

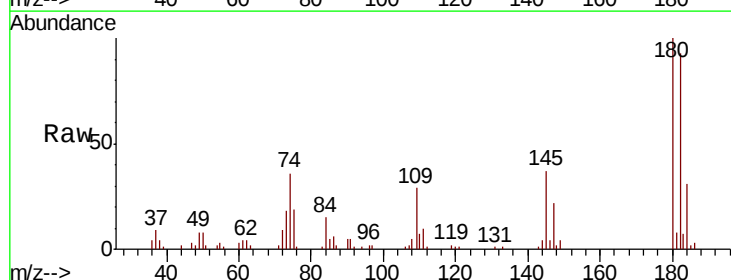
Tgt Ion:180 Resp: 24773

Ion Ratio Lower Upper

180 100

182 95.2 77.7 116.5

145 36.1 29.4 44.0



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

