

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021020\
 Data File : VU036710.D
 Acq On : 10 Feb 2020 14:22
 Operator : JC/MD
 Sample : MDL05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 11 03:35:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM020620W.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 11 03:31:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	261089	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	247674	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	105322	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	70050	40.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.46%
7) Chloroethane-d5	1.93	69	69111	42.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.62%
11) 1,1-Dichloroethene-d2	2.59	63	105545	32.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.22%
21) 2-Butanone-d5	4.68	46	158247	106.52	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.52%
24) Chloroform-d	5.11	84	140741	44.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.32%
26) 1,2-Dichloroethane-d4	5.75	65	100791	46.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.52%
32) Benzene-d6	5.77	84	301378	46.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.56%
36) 1,2-Dichloropropane-d6	6.73	67	101461	46.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.88%
41) Toluene-d8	7.93	98	270575	45.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.76%
43) trans-1,3-Dichloropropene-	8.21	79	45941	44.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.78%
47) 2-Hexanone-d5	8.67	63	121196	98.24	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.24%
56) 1,1,2,2-Tetrachloroethane-	10.78	84	151838	47.67	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.34%
66) 1,2-Dichlorobenzene-d4	12.22	152	93219	48.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.44%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	3738	2.072 ug/L	99
3) Chloromethane	1.54	50	4808	2.249 ug/L	97
5) Vinyl chloride	1.62	62	5593	2.430 ug/L #	66
6) Bromomethane	1.87	94	3280	2.273 ug/L	97
8) Chloroethane	1.95	64	3333	2.282 ug/L	90
9) Trichlorofluoromethane	2.16	101	6199	2.266 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	4401	2.686 ug/L	86
12) 1,1-Dichloroethene	2.61	96	4495	2.818 ug/L #	1
13) Acetone	2.66	43	10030	6.356 ug/L	99
14) Carbon disulfide	2.82	76	10757	2.257 ug/L	99
15) Methyl Acetate	2.99	43	5635	2.470 ug/L	97
16) Methylene chloride	3.08	84	5190	2.637 ug/L	99
17) trans-1,2-Dichloroethene	3.39	96	4042	2.382 ug/L	88
18) Methyl tert-butyl Ether	3.41	73	12812	2.175 ug/L	98
19) 1,1-Dichloroethane	3.92	63	7592	2.245 ug/L	97
20) cis-1,2-Dichloroethene	4.72	96	4624	2.391 ug/L	98
22) 2-Butanone	4.76	43	9943	5.309 ug/L	95

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

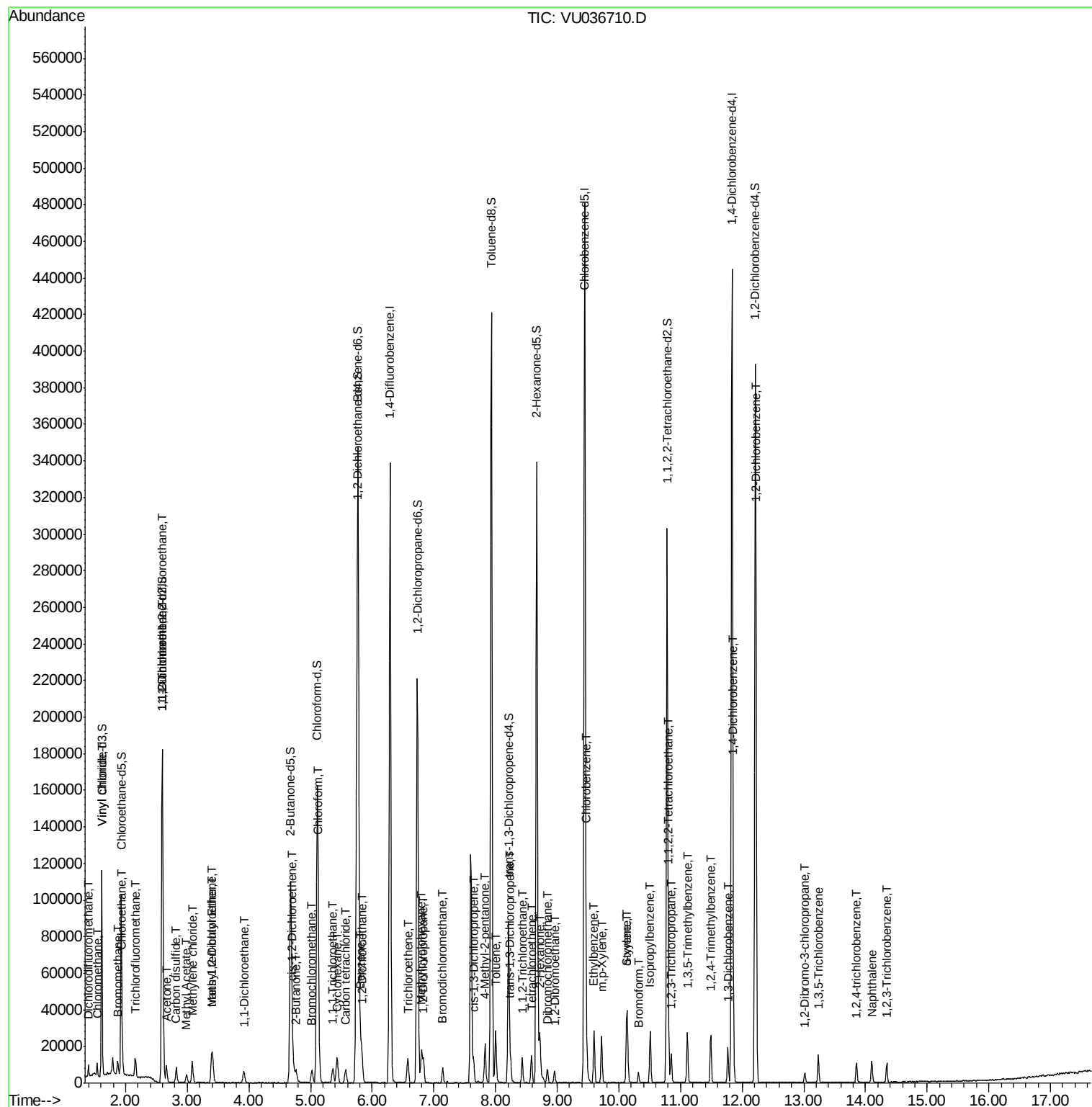
23) Bromochloromethane	5.02	128	2066	2.280	ug/L	93
25) Chloroform	5.13	83	9418	2.864	ug/L	92
27) 1,2-Dichloroethane	5.84	62	6470	2.340	ug/L	97
29) Cyclohexane	5.43	56	7049	2.216	ug/L	96
30) 1,1,1-Trichloroethane	5.36	97	5841	2.220	ug/L	98
31) Carbon tetrachloride	5.56	117	5040	2.366	ug/L	99
33) Benzene	5.82	78	17383	2.320	ug/L	100
34) Trichloroethene	6.58	95	3959	2.137	ug/L	91
35) Methylcyclohexane	6.80	83	6896	2.114	ug/L	95
37) 1,2-Dichloropropane	6.83	63	4718	2.336	ug/L #	88
38) Bromodichloromethane	7.14	83	5353	2.181	ug/L	95
39) cis-1,3-Dichloropropene	7.64	75	7030	2.178	ug/L	97
40) 4-Methyl-2-pentanone	7.83	43	13916	4.360	ug/L	97
42) Toluene	8.00	91	18734	2.314	ug/L	95
44) trans-1,3-Dichloropropene	8.24	75	5964	2.115	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	4106	2.228	ug/L	92
46) Tetrachloroethene	8.58	164	3208	2.468	ug/L	96
48) 2-Hexanone	8.72	43	12760	4.901	ug/L	96
49) Dibromochloromethane	8.84	129	3845	2.133	ug/L	91
50) 1,2-Dibromoethane	8.96	107	4227	2.183	ug/L #	93
51) Chlorobenzene	9.47	112	10849	2.226	ug/L	94
52) Ethylbenzene	9.60	91	19932	2.241	ug/L	99
53) m,p-Xylene	9.72	106	7072	2.155	ug/L	96
54) o-xylene	10.13	106	7196	2.214	ug/L	91
55) Styrene	10.14	104	10661	1.968	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.81	83	7891	2.376	ug/L	97
59) Bromoform	10.32	173	2295	1.972	ug/L #	97
60) 1,2,3-Trichloropropane	10.85	75	6131	2.475	ug/L	99
61) Isopropylbenzene	10.51	105	18122	2.311	ug/L	99
62) 1,3,5-Trimethylbenzene	11.11	105	15241	2.267	ug/L	99
63) 1,2,4-Trimethylbenzene	11.49	105	14202	2.115	ug/L	100
64) 1,3-Dichlorobenzene	11.77	146	7758	2.352	ug/L	99
65) 1,4-Dichlorobenzene	11.86	146	8064	2.429	ug/L	99
67) 1,2-Dichlorobenzene	12.23	146	8059	2.413	ug/L	92
68) 1,2-Dibromo-3-chloropropan	13.01	75	1439	2.032	ug/L	96
69) 1,3,5-Trichlorobenzene	13.24	180	4553	1.991	ug/L	98
70) 1,2,4-trichlorobenzene	13.86	180	3266	1.713	ug/L	96
71) Naphthalene	14.10	128	9178	1.365	ug/L	99
72) 1,2,3-Trichlorobenzene	14.35	180	3032	1.596	ug/L	95

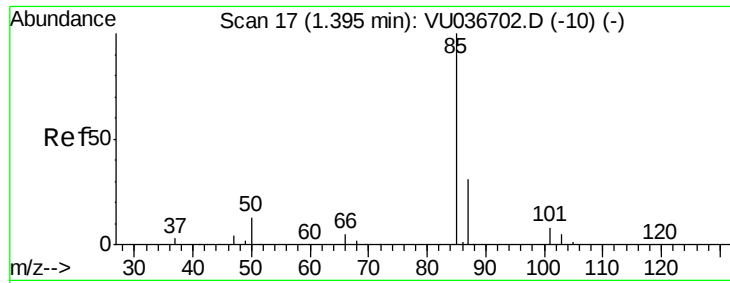
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.072 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036710.D

Acq: 10 Feb 2020 14:22

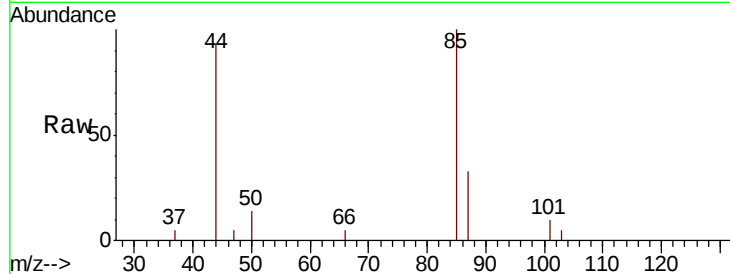
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 3738

Ion Ratio Lower Upper

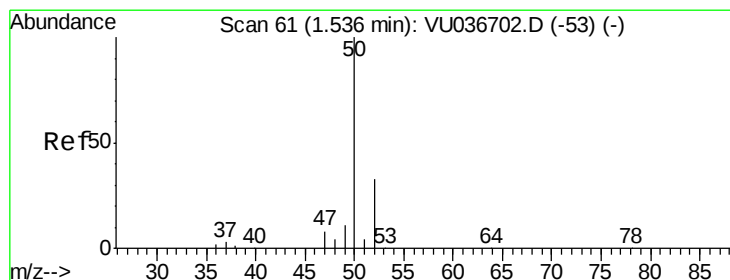
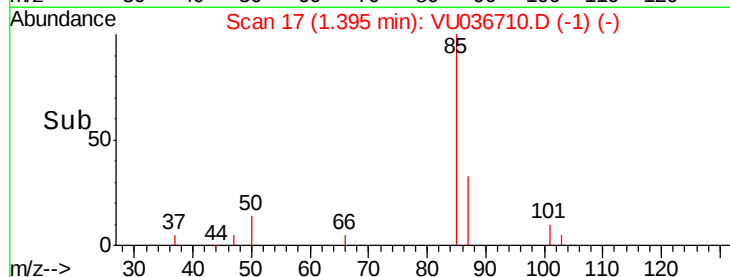
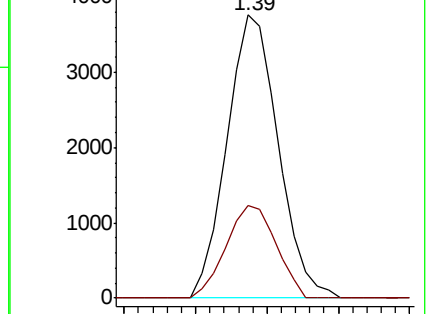
85 100

87 31.9 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU036710.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU036710.D (-1) (-)



#3

Chloromethane

Concen: 2.249 ug/L

RT: 1.54 min Scan# 62

Delta R.T. 0.00 min

Lab File: VU036710.D

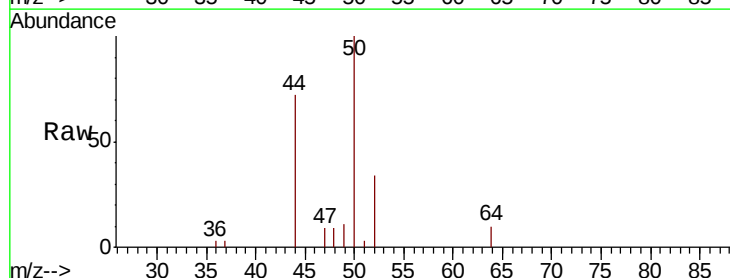
Acq: 10 Feb 2020 14:22

Tgt Ion: 50 Resp: 4808

Ion Ratio Lower Upper

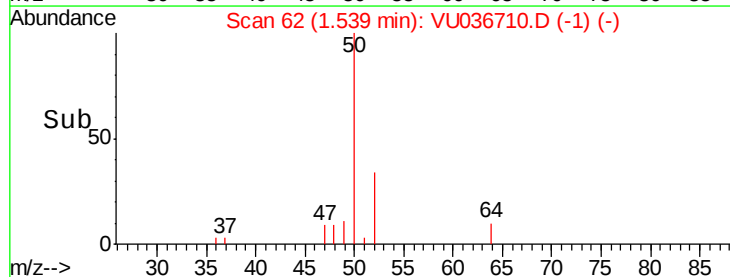
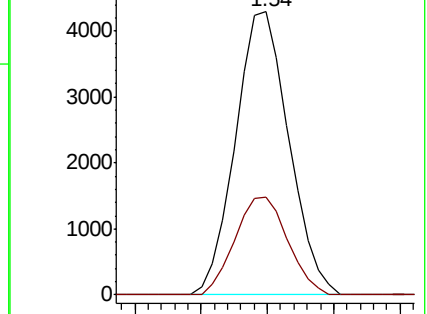
50 100

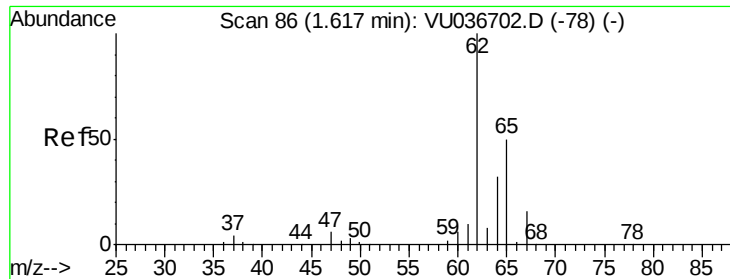
52 34.5 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU036710.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU036710.D (-1) (-)





#5

Vinyl chloride

Concen: 2.430 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036710.D

Acq: 10 Feb 2020 14:22

Instrument :

MSVOA_U

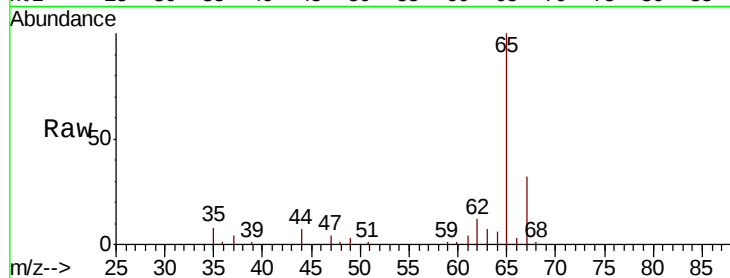
ClientSampleId :

Tot Ion: 62 Resp: 5593

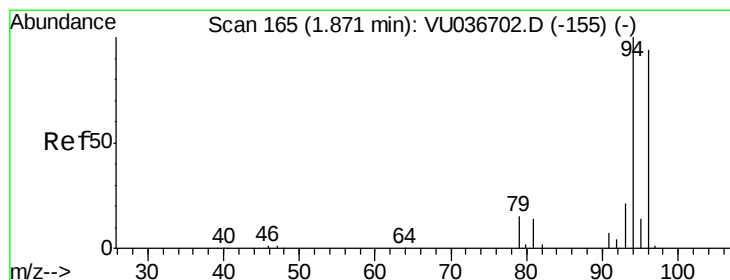
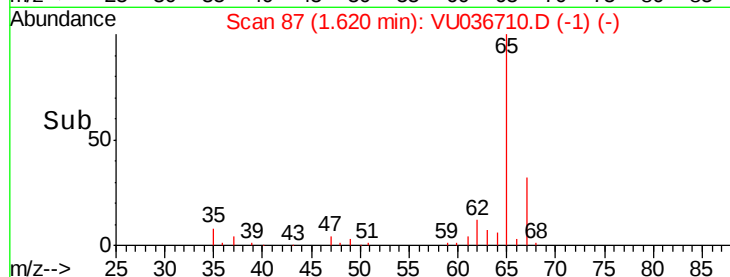
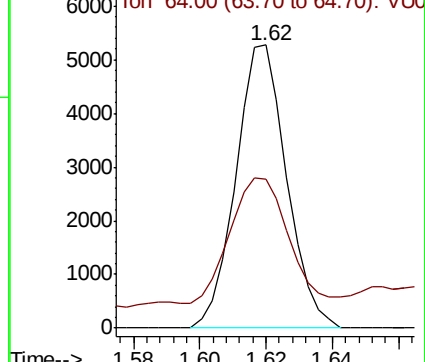
Ion Ratio Lower Upper

62 100

64 52.6 23.4 43.6#



Abundance Ion 62.00 (61.70 to 62.70): VU036710.D (-1) (-)



#6

Bromomethane

Concen: 2.273 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU036710.D

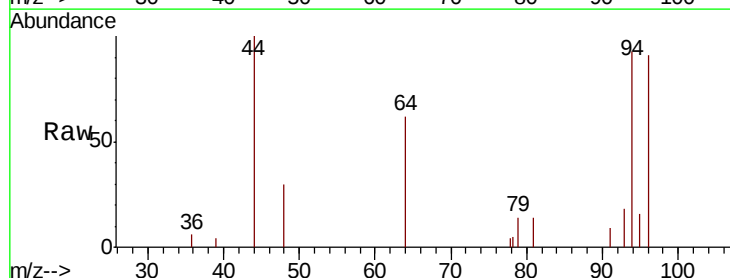
Acq: 10 Feb 2020 14:22

Tgt Ion: 94 Resp: 3280

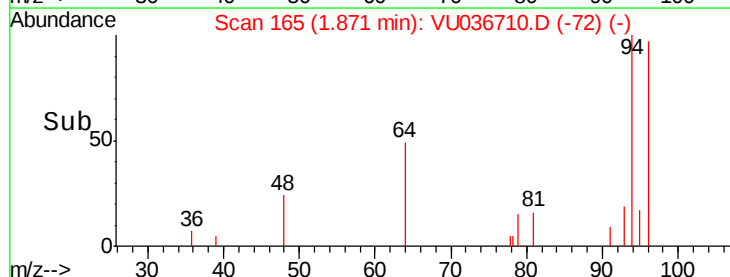
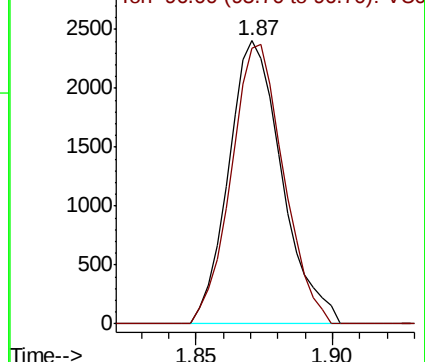
Ion Ratio Lower Upper

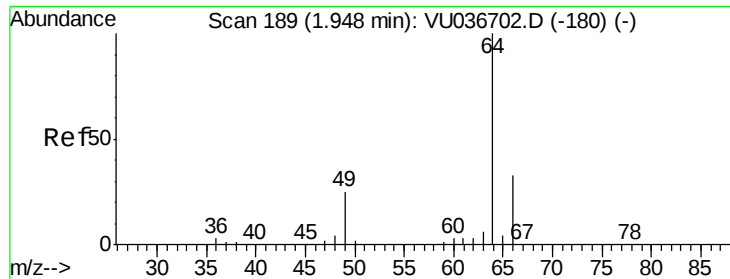
94 100

96 97.5 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VU036710.D (-72) (-)

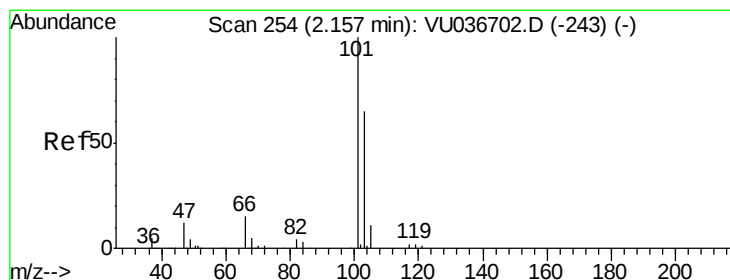
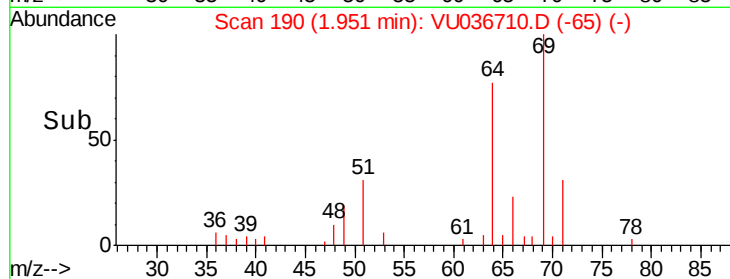
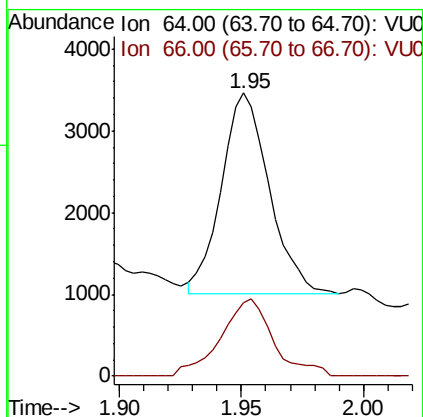
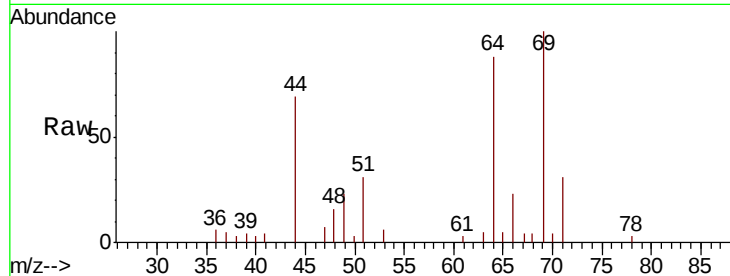




#8
Chloroethane
Concen: 2.282 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU036710.D
Acq: 10 Feb 2020 14:22

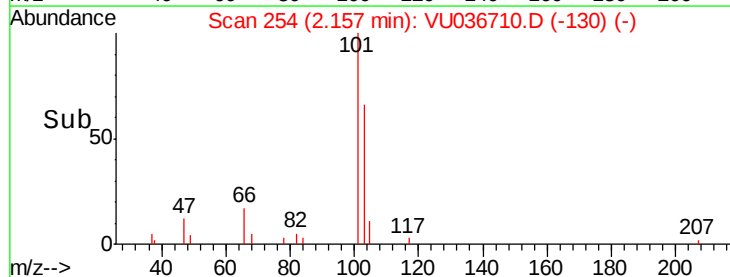
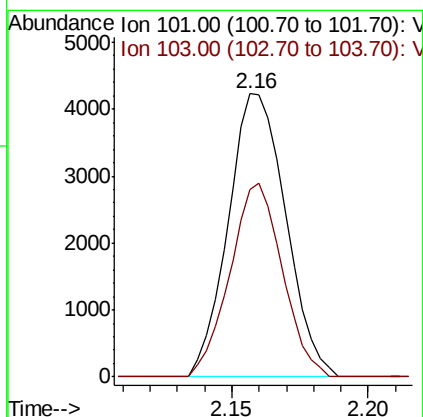
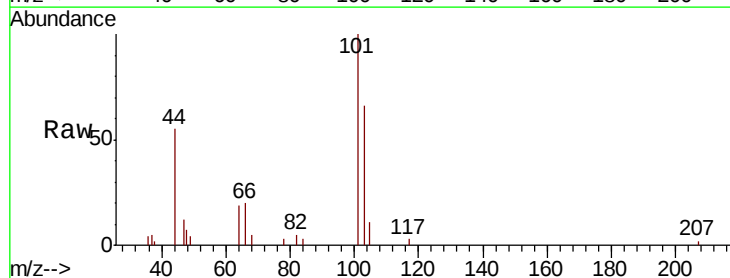
Instrument :
MSVOA_U
ClientSampleId :

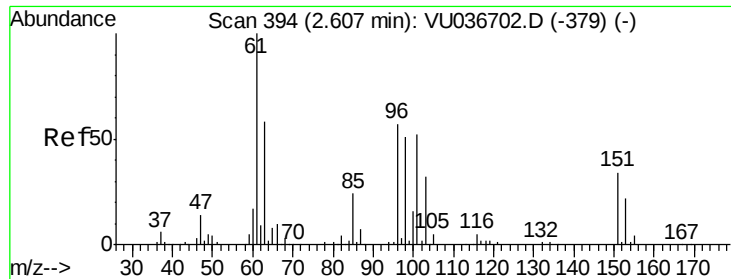
Tot Ion: 64 Resp: 3333
Ion Ratio Lower Upper
64 100
66 26.0 22.1 41.1



#9
Trichlorofluoromethane
Concen: 2.266 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU036710.D
Acq: 10 Feb 2020 14:22

Tgt Ion:101 Resp: 6199
Ion Ratio Lower Upper
101 100
103 62.2 51.6 77.4





#10

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

Concen: 2.686 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036710.D

Acq: 10 Feb 2020 14:22

Instrument :

MSVOA_U

ClientSampled :

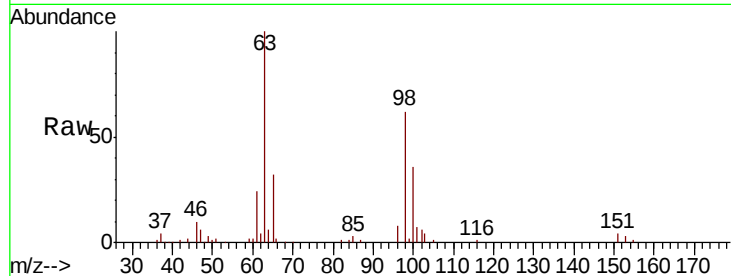
Tot Ion:101 Resp: 4401

Ion Ratio Lower Upper

101 100

85 37.1 36.5 54.7

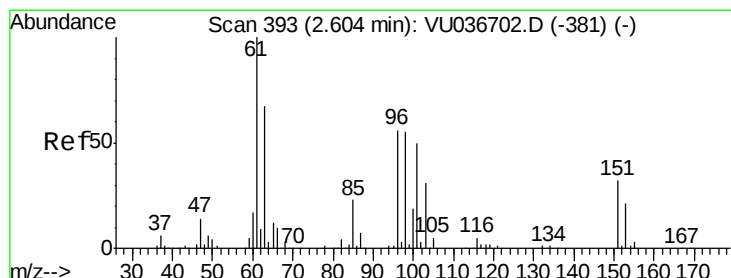
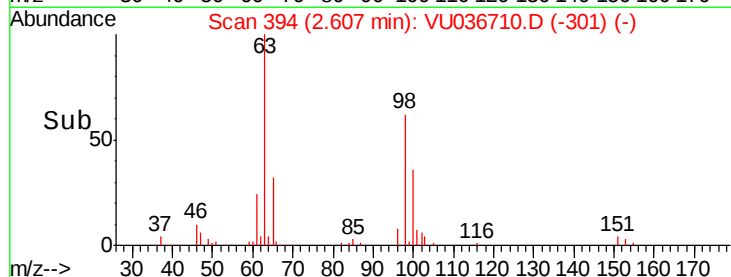
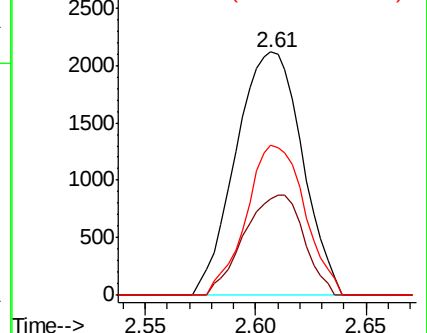
151 54.5 52.6 78.8



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: 2.818 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036710.D

Acq: 10 Feb 2020 14:22

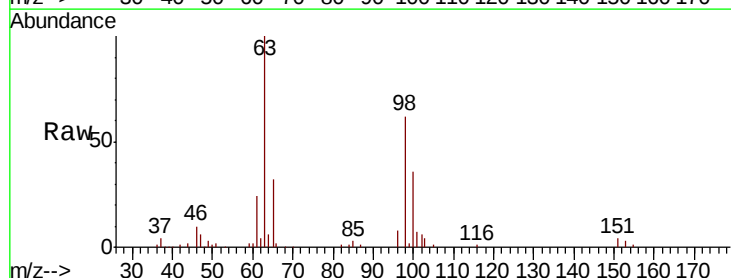
Tgt Ion: 96 Resp: 4495

Ion Ratio Lower Upper

96 100

61 299.6 124.4 231.0#

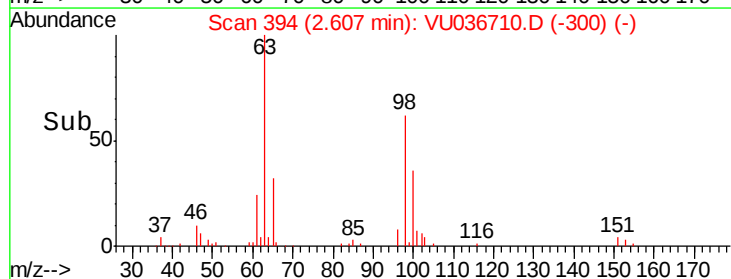
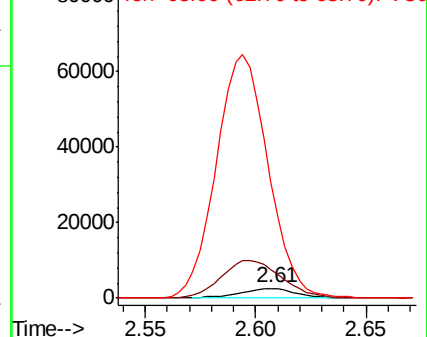
63 1224.9 83.4 155.0#

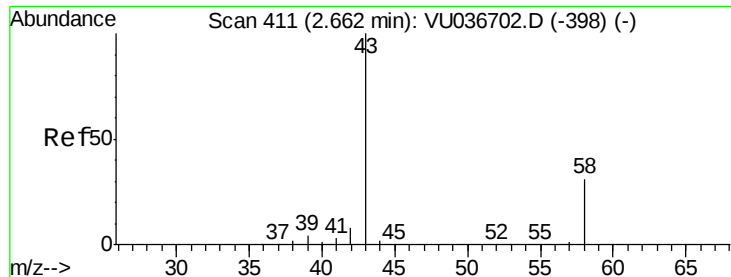


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 6.356 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.00 min

Lab File: VU036710.D

Acq: 10 Feb 2020 14:22

Instrument :

MSVOA_U

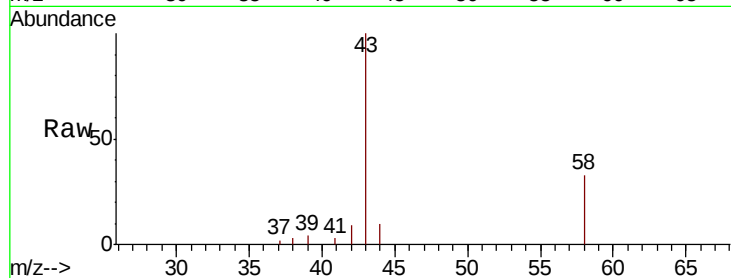
ClientSampled :

Tot Ion: 43 Resp: 10030

Ion Ratio Lower Upper

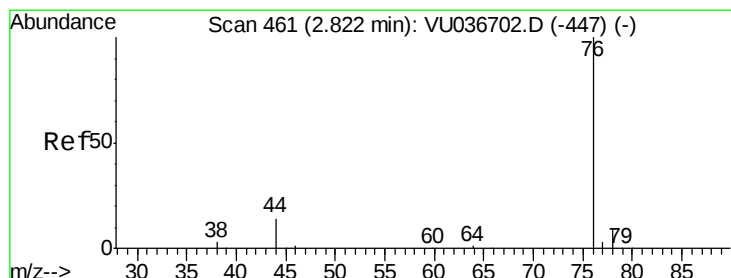
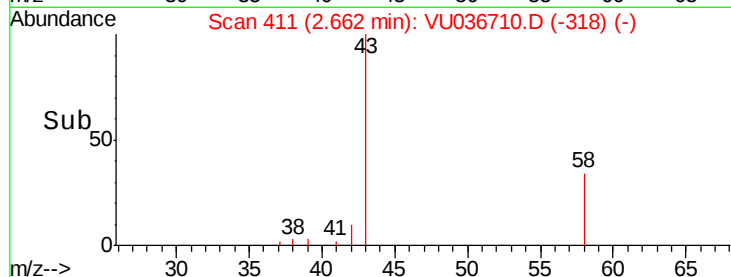
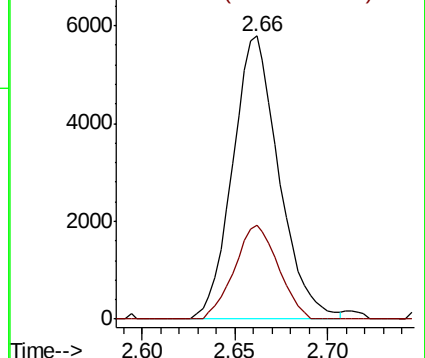
43 100

58 31.3 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU036710.D (-318) (-)

Ion 58.00 (57.70 to 58.70): VU036710.D (-318) (-)



#14

Carbon disulfide

Concen: 2.257 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU036710.D

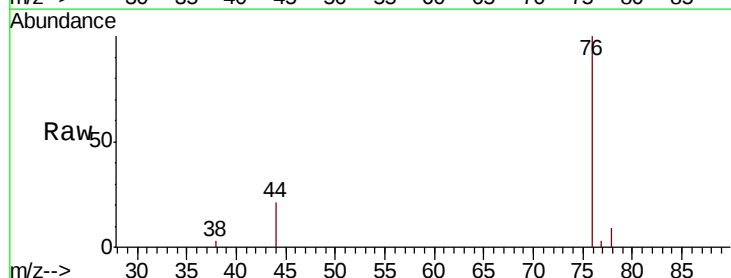
Acq: 10 Feb 2020 14:22

Tgt Ion: 76 Resp: 10757

Ion Ratio Lower Upper

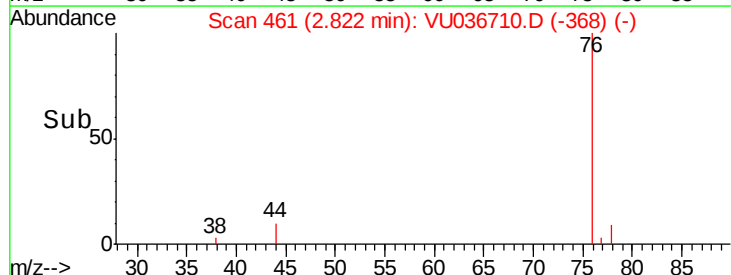
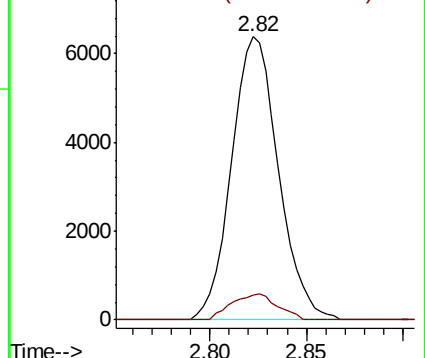
76 100

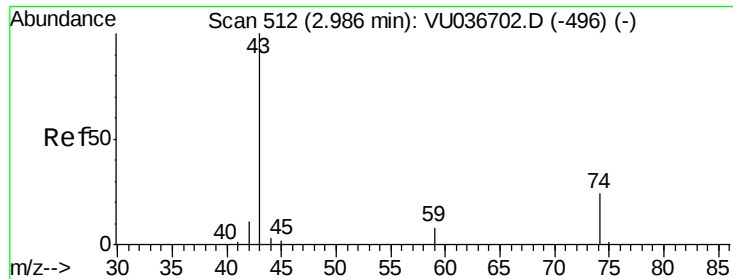
78 8.7 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU036710.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU036710.D (-368) (-)

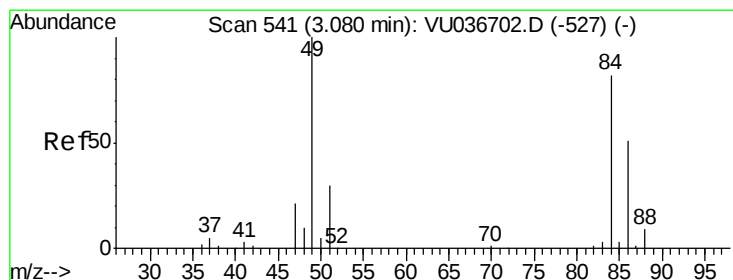
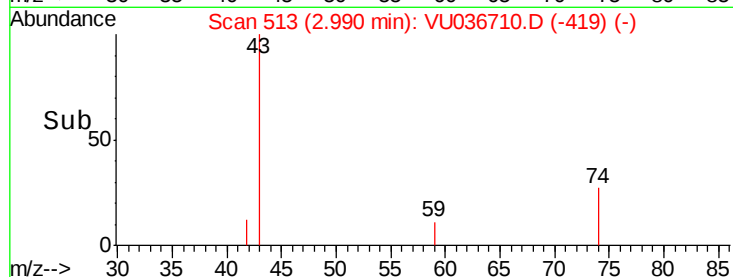
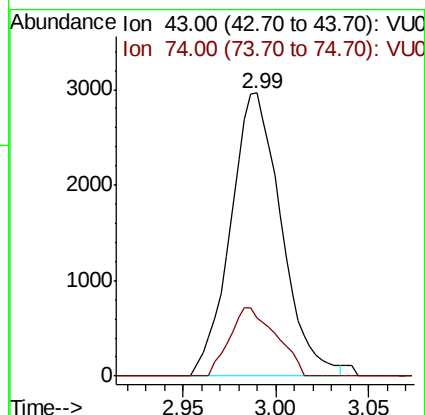
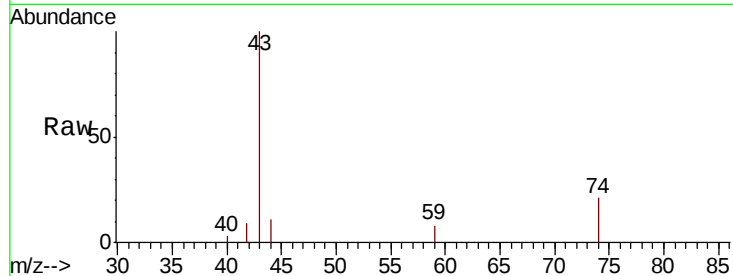




#15
Methyl Acetate
Concen: 2.470 ug/L
RT: 2.99 min Scan# 513
Delta R.T. 0.00 min
Lab File: VU036710.D
Acq: 10 Feb 2020 14:22

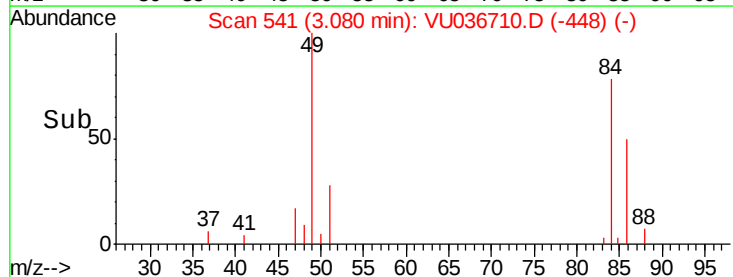
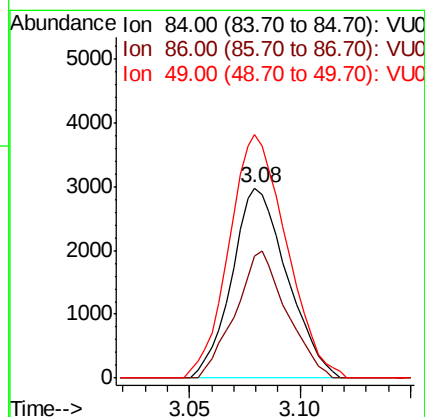
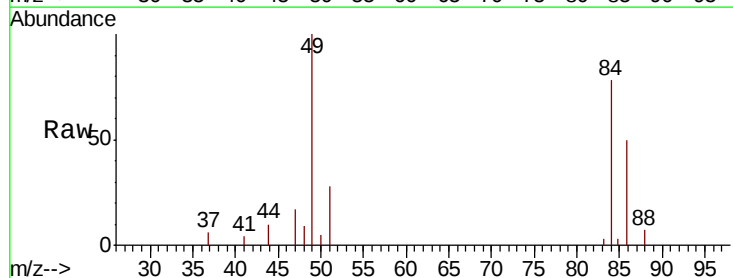
Instrument :
MSVOA_U
ClientSampleId :

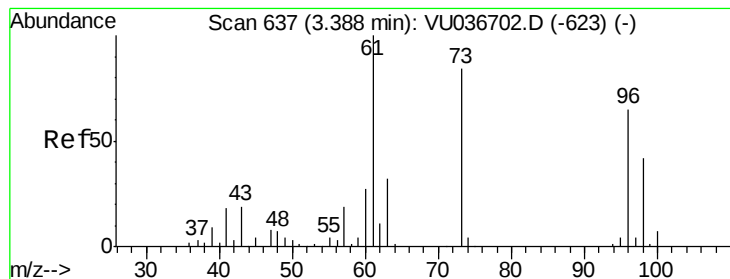
Tot Ion: 43 Resp: 5635
Ion Ratio Lower Upper
43 100
74 22.1 18.7 28.1



#16
Methylene chloride
Concen: 2.637 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU036710.D
Acq: 10 Feb 2020 14:22

Tgt Ion: 84 Resp: 5190
Ion Ratio Lower Upper
84 100
86 64.3 44.4 82.5
49 128.0 89.2 165.8





#17

trans-1,2-Dichloroethene

Concen: 2.382 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.01 min

Lab File: VU036710.D

Acq: 10 Feb 2020 14:22

Instrument :

MSVOA_U

ClientSampleId :

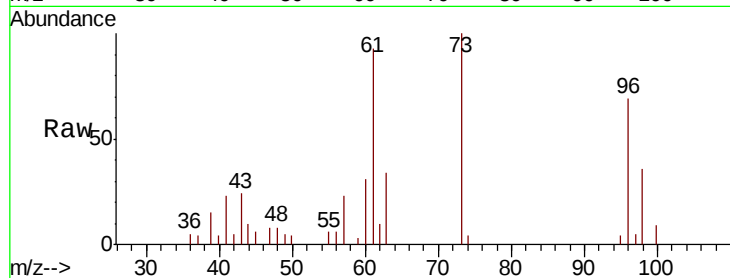
Tot Ion: 96 Resp: 4042

Ion Ratio Lower Upper

96 100

61 134.7 103.4 192.0

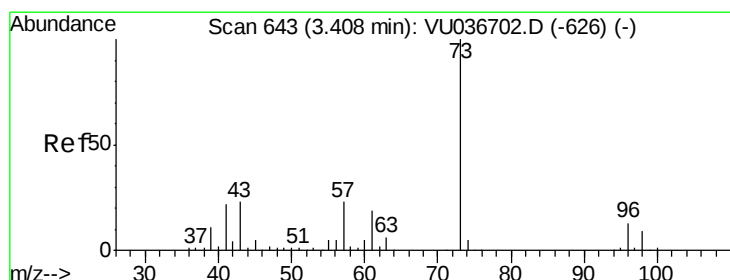
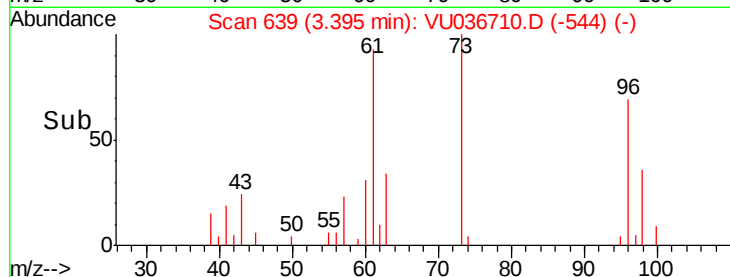
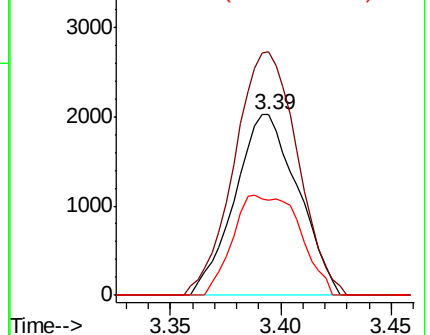
98 52.9 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VU036710.D (-544) (-)

Ion 61.00 (60.70 to 61.70): VU036710.D (-544) (-)

Ion 98.00 (97.70 to 98.70): VU036710.D (-544) (-)



#18

Methyl tert-butyl Ether

Concen: 2.175 ug/L

RT: 3.41 min Scan# 645

Delta R.T. 0.01 min

Lab File: VU036710.D

Acq: 10 Feb 2020 14:22

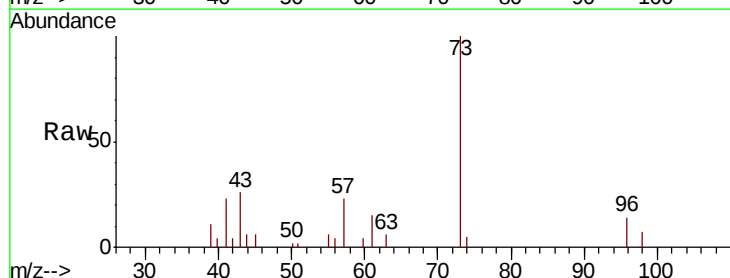
Tgt Ion: 73 Resp: 12812

Ion Ratio Lower Upper

73 100

43 23.7 18.6 28.0

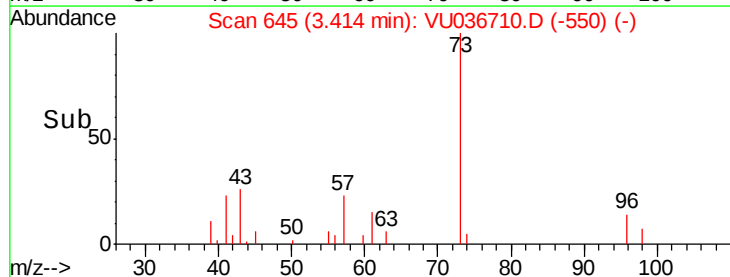
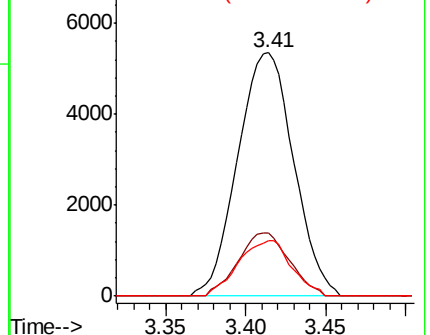
57 21.6 18.3 27.5

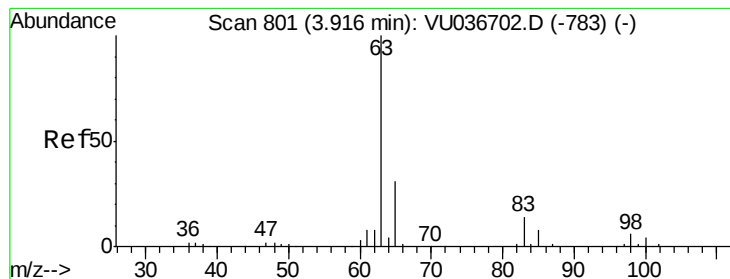


Abundance Ion 73.00 (72.70 to 73.70): VU036710.D (-550) (-)

Ion 43.00 (42.70 to 43.70): VU036710.D (-550) (-)

Ion 57.00 (56.70 to 57.70): VU036710.D (-550) (-)





#19

1,1-Dichloroethane

Concen: 2.245 ug/L

RT: 3.92 min Scan# 801

Delta R.T. -0.00 min

Lab File: VU036710.D

Acq: 10 Feb 2020 14:22

Instrument :

MSVOA_U

ClientSampleId :

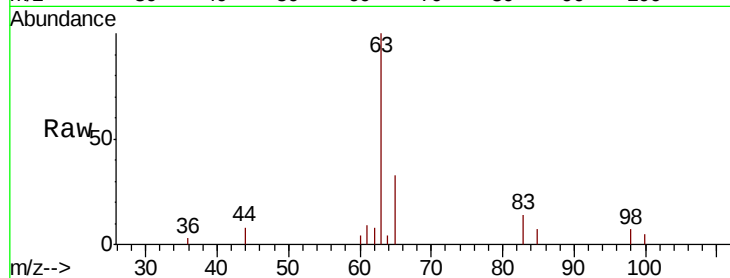
Tot Ion: 63 Resp: 7592

Ion Ratio Lower Upper

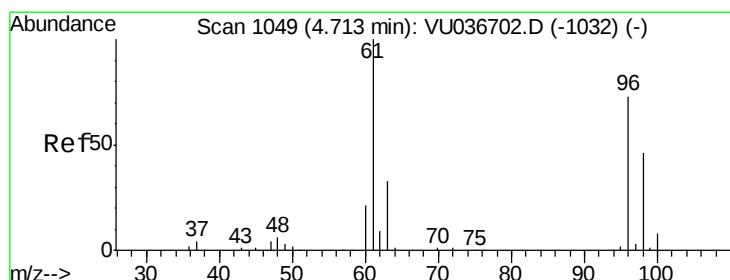
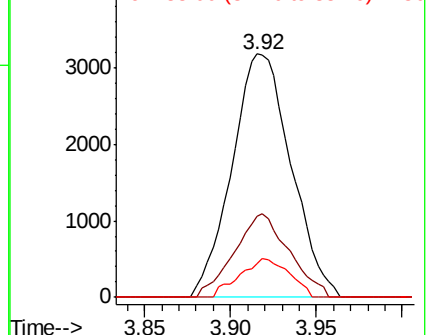
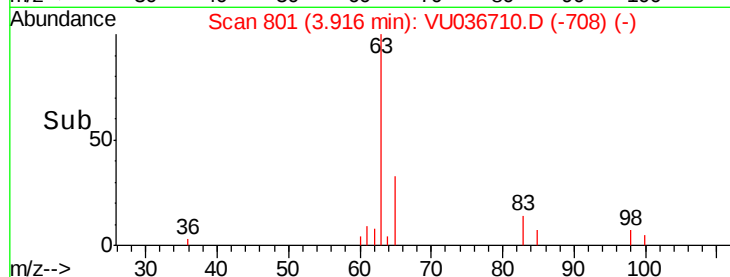
63 100

65 33.1 22.0 40.8

83 13.8 10.1 18.7



Abundance Ion 63.00 (62.70 to 63.70): VU036710.D (-708) (-)



#20

cis-1,2-Dichloroethene

Concen: 2.391 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU036710.D

Acq: 10 Feb 2020 14:22

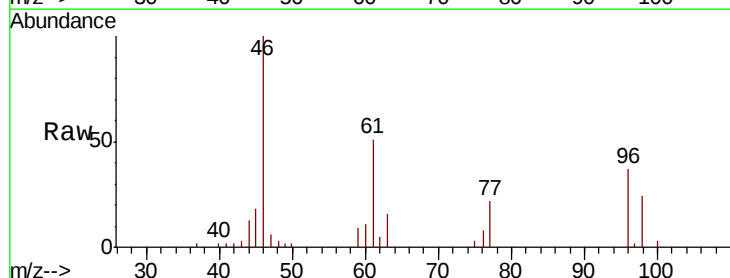
Tgt Ion: 96 Resp: 4624

Ion Ratio Lower Upper

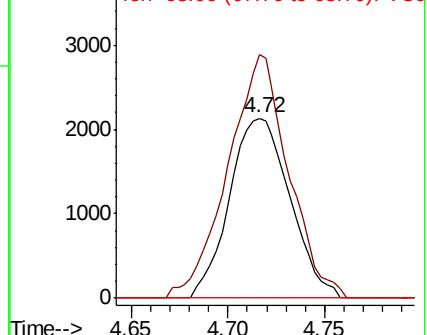
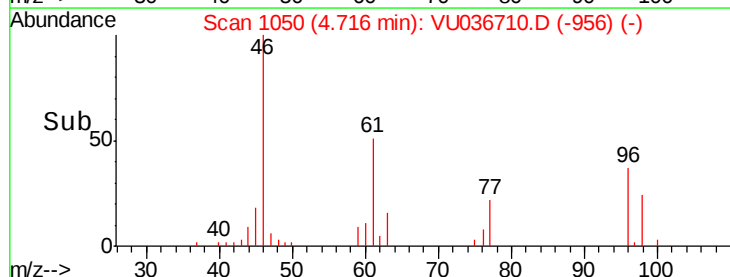
96 100

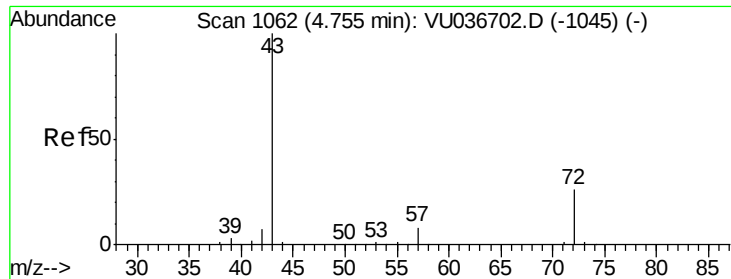
61 135.3 93.3 173.3

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036710.D (-956) (-)





#22

2-Butanone

Concen: 5.309 ug/L

RT: 4.76 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VU036710.D

Acq: 10 Feb 2020 14:22

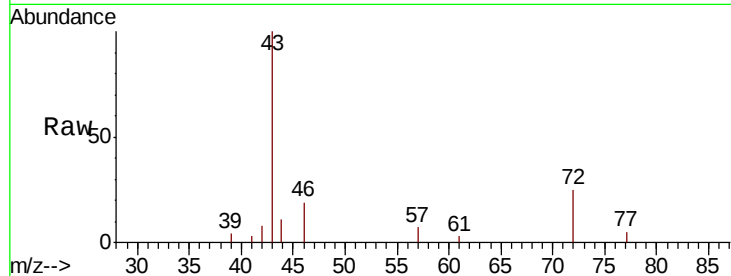
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 9943

Ion Ratio Lower Upper

43 100

72 24.4 13.6 40.7



Abundance Ion 43.00 (42.70 to 43.70): VU036710.D (-969) (-)

Ion 72.00 (71.70 to 72.70): VU036710.D (-969) (-)

4.76

4000

3000

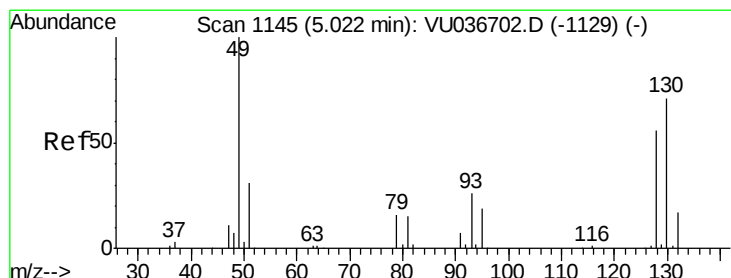
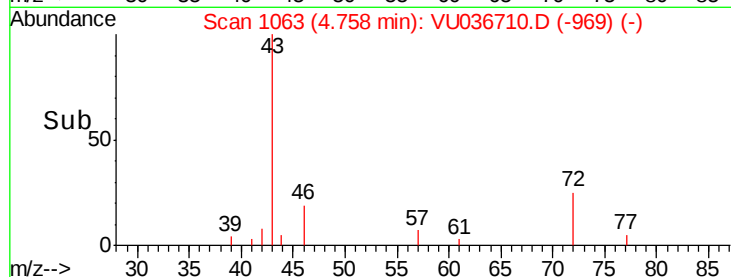
2000

1000

0

4.70 4.75 4.80 4.85

Time-->



#23

Bromochloromethane

Concen: 2.280 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VU036710.D

Acq: 10 Feb 2020 14:22

Tgt Ion: 128 Resp: 2066

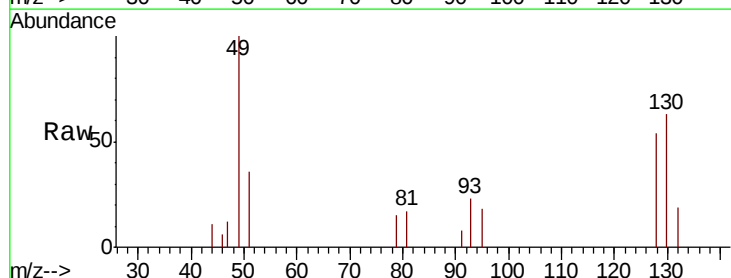
Ion Ratio Lower Upper

128 100

49 186.1 127.3 236.5

130 116.8 88.5 164.3

51 66.2 44.4 66.6



Abundance Ion 128.00 (127.70 to 128.70): VU036710.D (-1052) (-)

Ion 49.00 (48.70 to 49.70): VU036710.D (-1052) (-)

Ion 130.00 (129.70 to 130.70): VU036710.D (-1052) (-)

Ion 51.00 (50.70 to 51.70): VU036710.D (-1052) (-)

2500

2000

1500

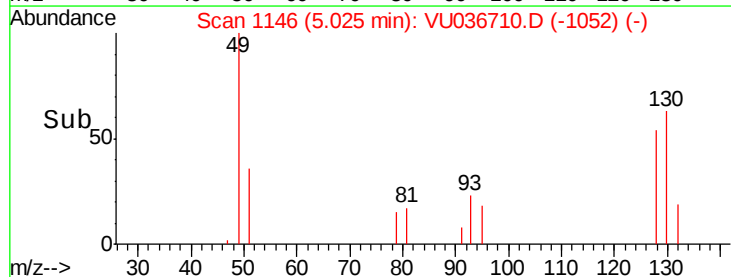
1000

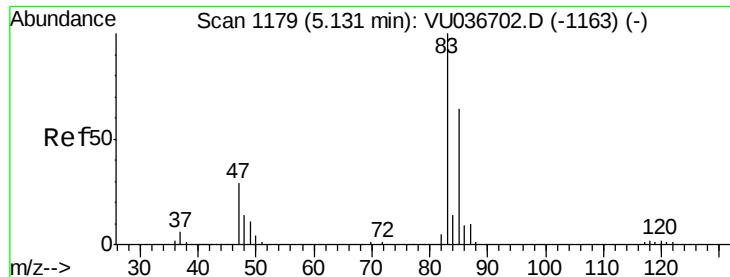
500

0

5.00 5.05

Time-->

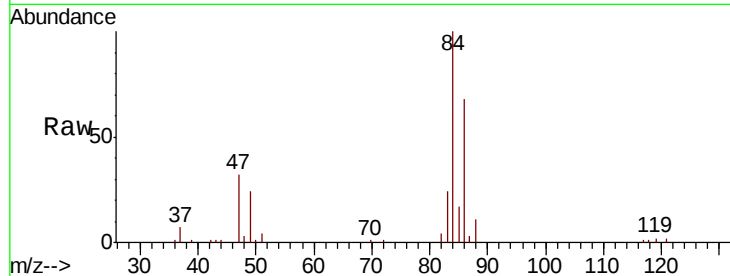




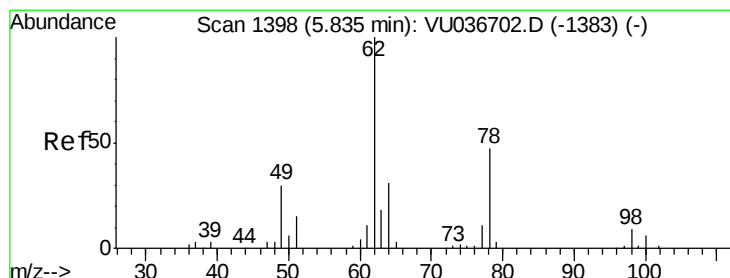
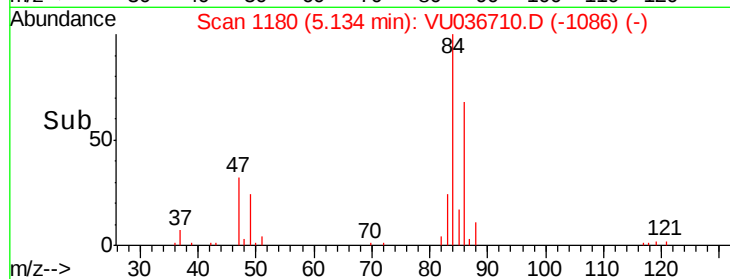
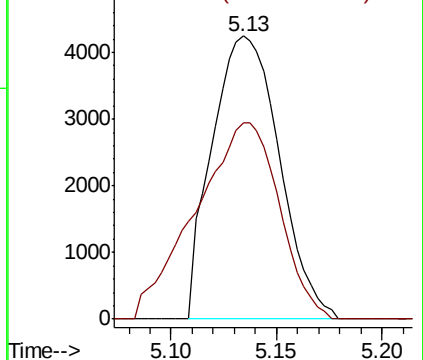
#25
Chloroform
Concen: 2.864 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU036710.D
Acq: 10 Feb 2020 14:22

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 9418
Ion Ratio Lower Upper
83 100
85 69.6 44.6 82.8

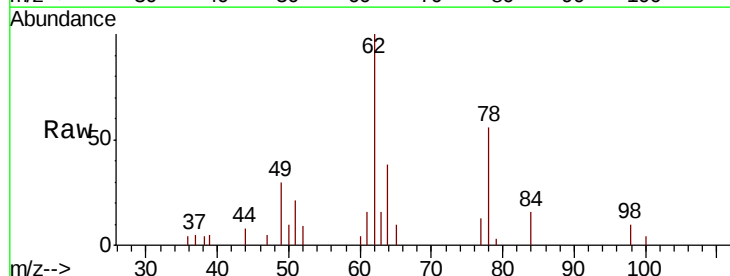


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0

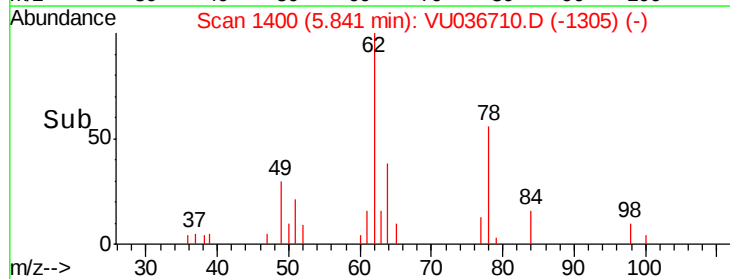
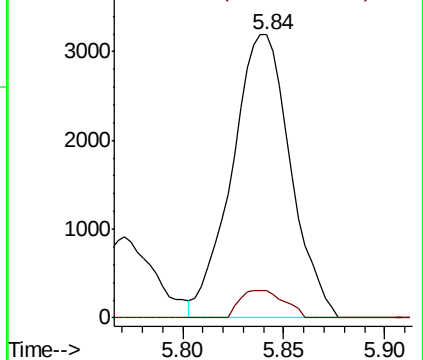


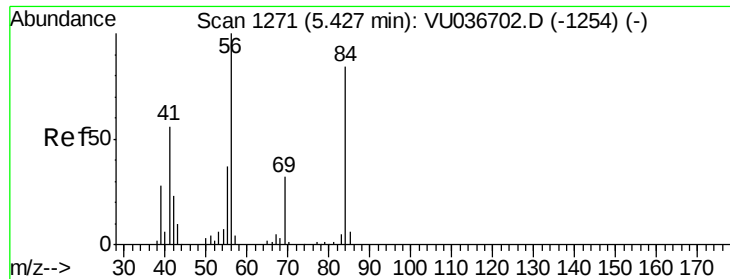
#27
1,2-Dichloroethane
Concen: 2.340 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. 0.01 min
Lab File: VU036710.D
Acq: 10 Feb 2020 14:22

Tgt Ion: 62 Resp: 6470
Ion Ratio Lower Upper
62 100
98 9.6 7.0 10.4



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

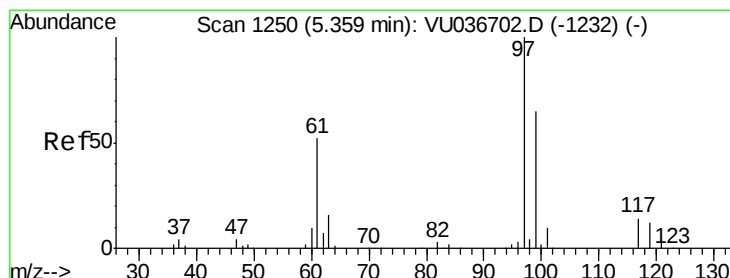
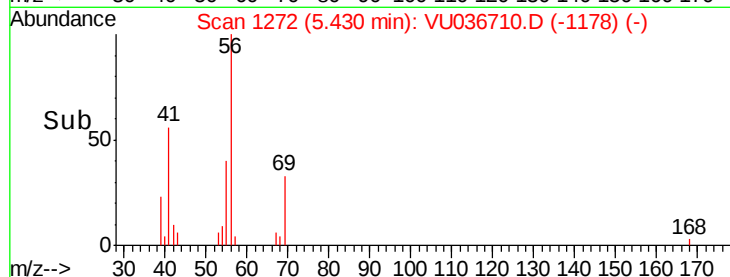
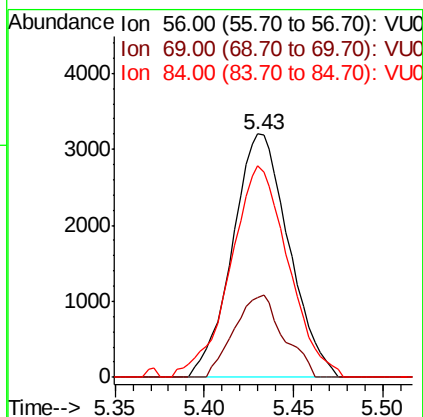
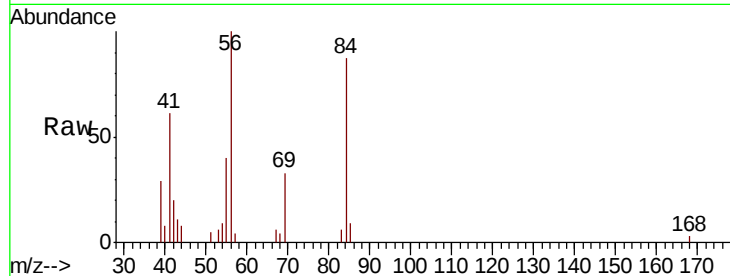




#29
Cyclohexane
Concen: 2.216 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU036710.D
Acq: 10 Feb 2020 14:22

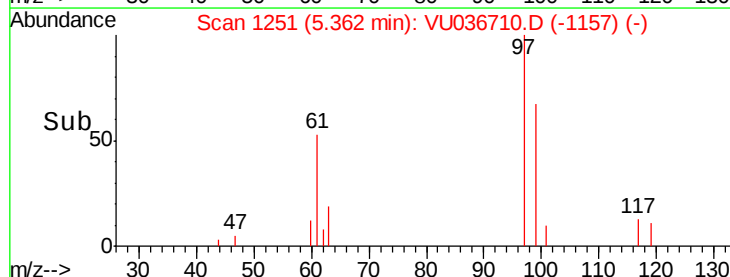
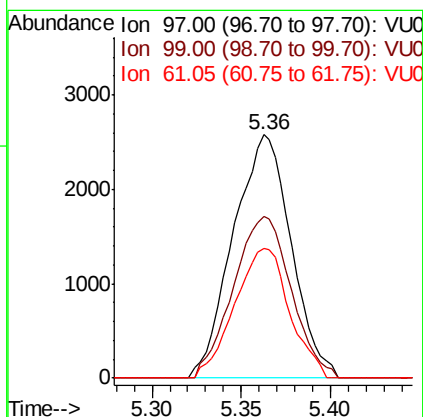
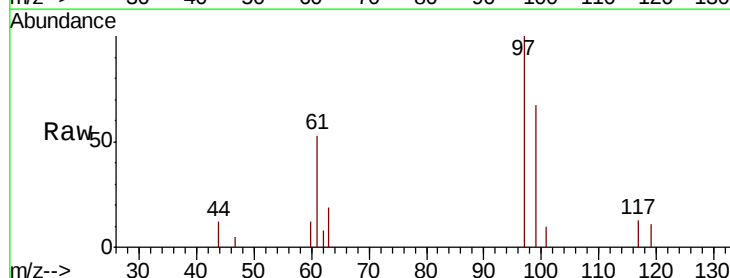
Instrument :
MSVOA_U
ClientSampleId :

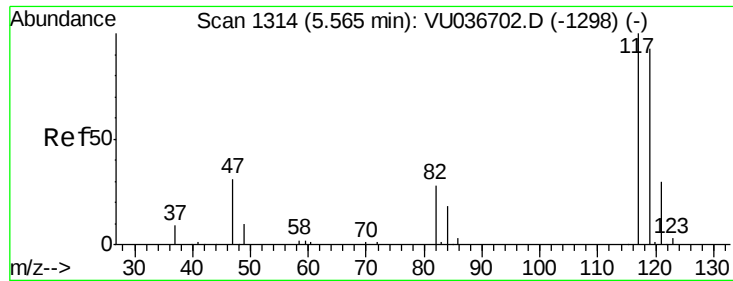
Tot Ion: 56 Resp: 7049
Ion Ratio Lower Upper
56 100
69 29.7 25.0 37.4
84 89.2 68.2 102.2



#30
1,1,1-Trichloroethane
Concen: 2.220 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU036710.D
Acq: 10 Feb 2020 14:22

Tgt Ion: 97 Resp: 5841
Ion Ratio Lower Upper
97 100
99 66.3 50.9 76.3
61 50.6 40.2 60.2

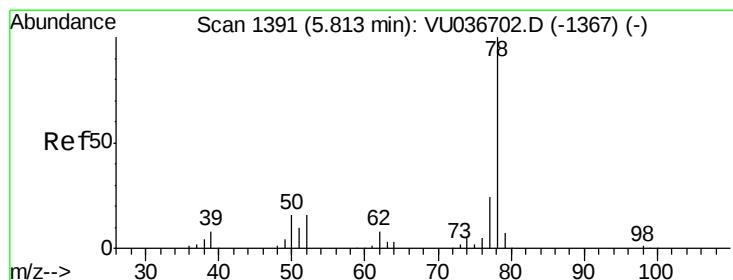
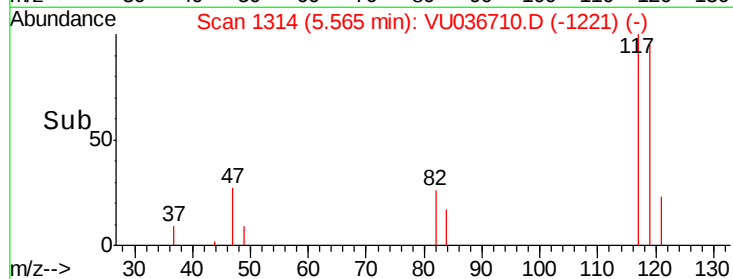
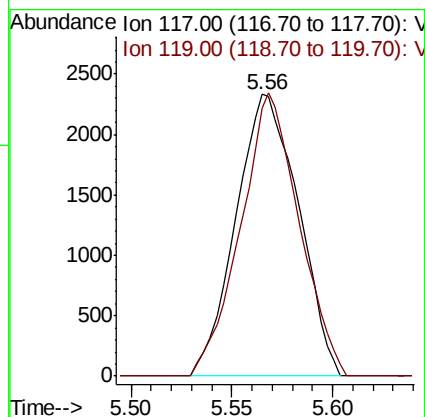
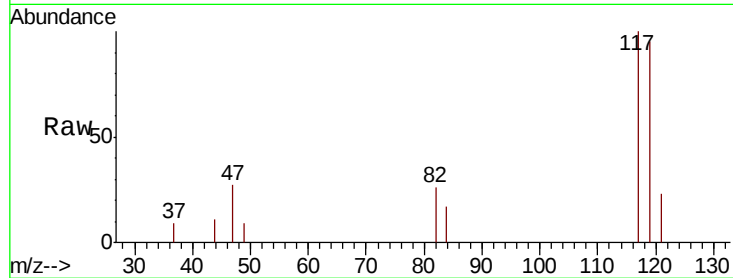




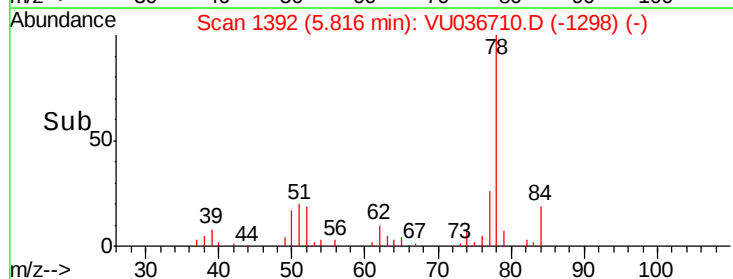
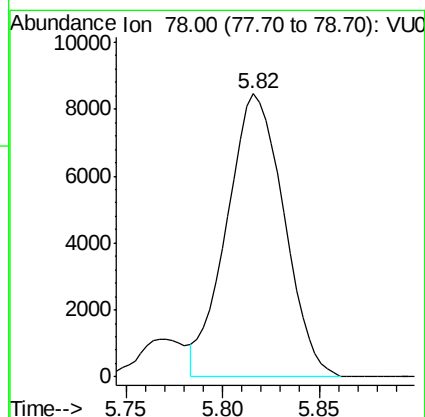
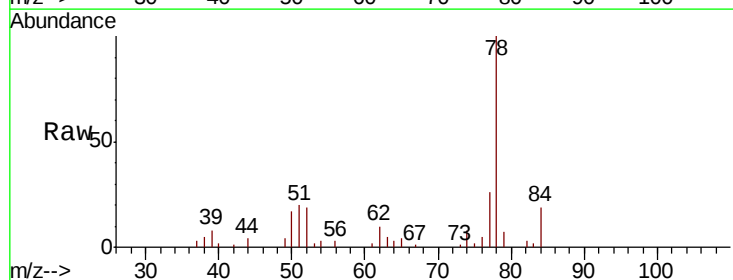
#31
Carbon tetrachloride
Concen: 2.366 ug/L
RT: 5.56 min Scan# 1314
Delta R.T. -0.00 min
Lab File: VU036710.D
Acq: 10 Feb 2020 14:22

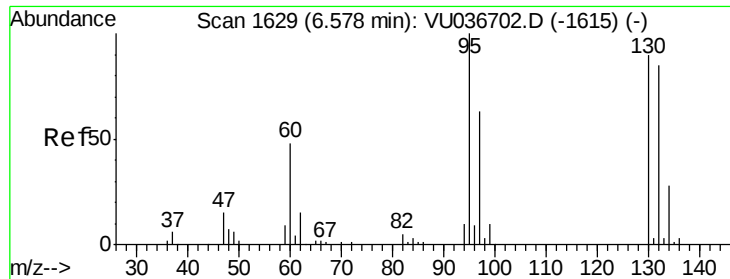
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:117 Resp: 5040
Ion Ratio Lower Upper
117 100
119 93.9 76.2 114.4



#33
Benzene
Concen: 2.320 ug/L
RT: 5.82 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VU036710.D
Acq: 10 Feb 2020 14:22
Tgt Ion: 78 Resp: 17383

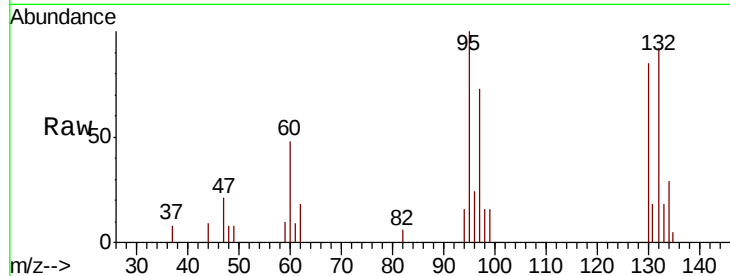




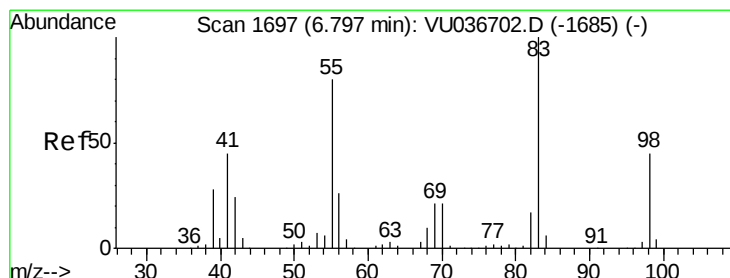
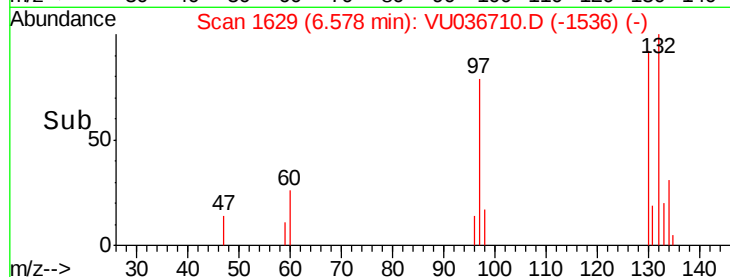
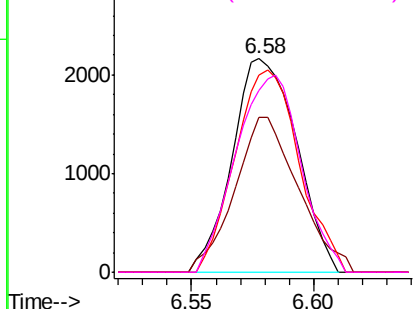
#34
 Trichloroethene
 Concen: 2.137 ug/L
 RT: 6.58 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VU036710.D
 Acq: 10 Feb 2020 14:22

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 3959
 Ion Ratio Lower Upper
 95 100
 97 72.5 44.5 82.7
 132 92.2 59.6 110.8
 130 85.0 65.0 120.8

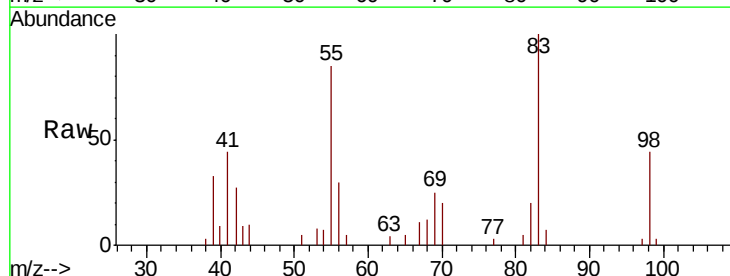


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

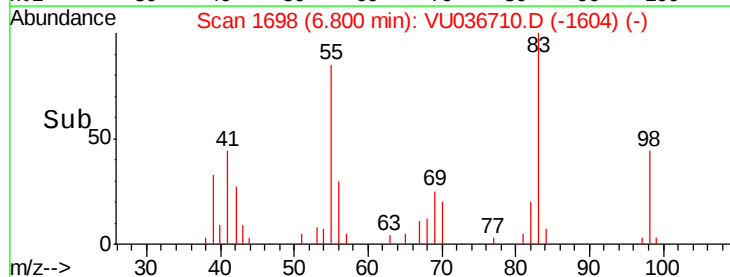
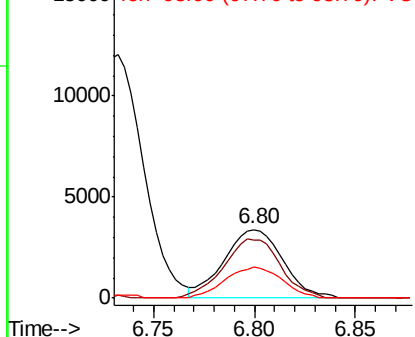


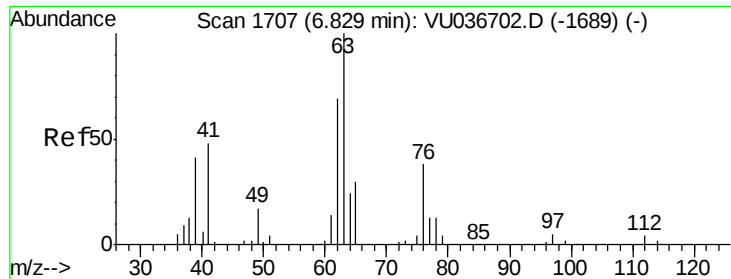
#35
 Methylcyclohexane
 Concen: 2.114 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VU036710.D
 Acq: 10 Feb 2020 14:22

Tgt Ion: 83 Resp: 6896
 Ion Ratio Lower Upper
 83 100
 55 83.4 61.2 91.8
 98 44.0 35.4 53.0



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

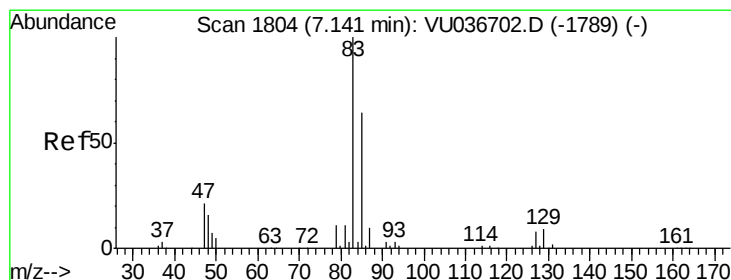
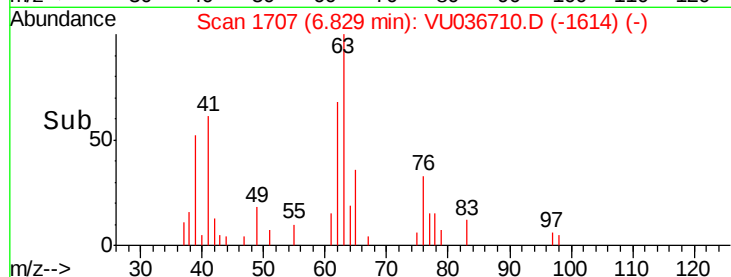
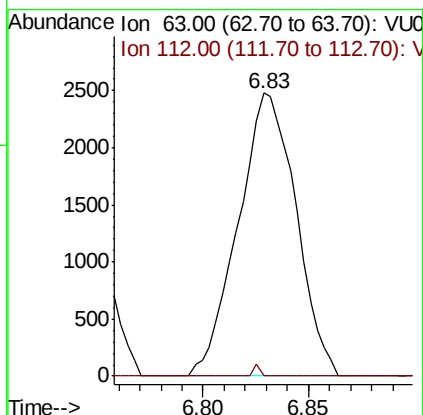
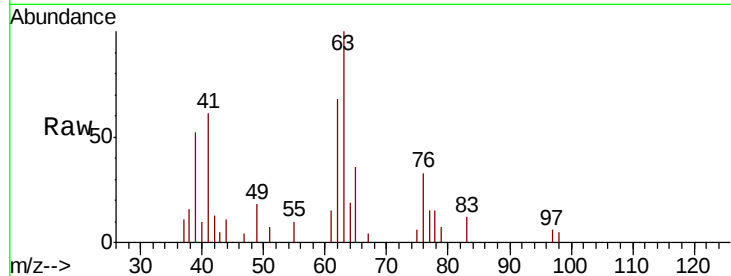




#37
 1,2-Dichloropropane
 Concen: 2.336 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VU036710.D
 Acq: 10 Feb 2020 14:22

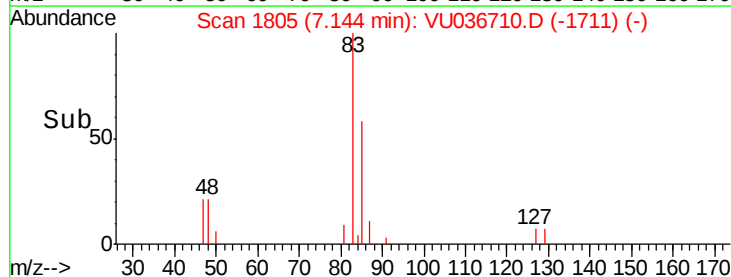
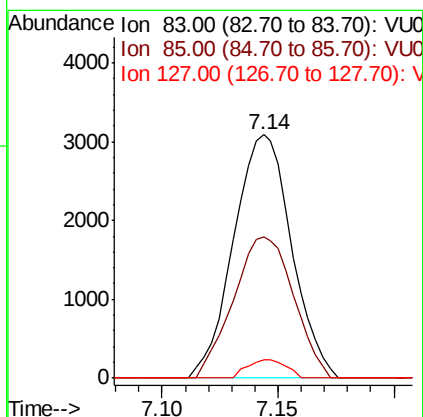
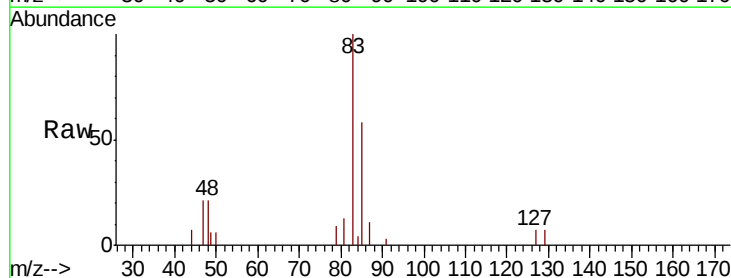
Instrument :
 MSVOA_U
 ClientSampleId :

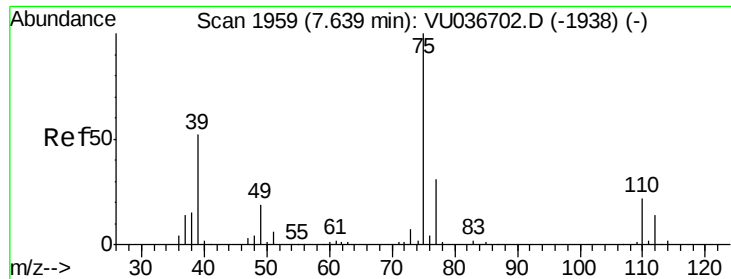
Tot Ion: 63 Resp: 4718
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#38
 Bromodichloromethane
 Concen: 2.181 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VU036710.D
 Acq: 10 Feb 2020 14:22

Tgt Ion: 83 Resp: 5353
 Ion Ratio Lower Upper
 83 100
 85 58.3 43.9 81.5
 127 7.4 6.0 9.0

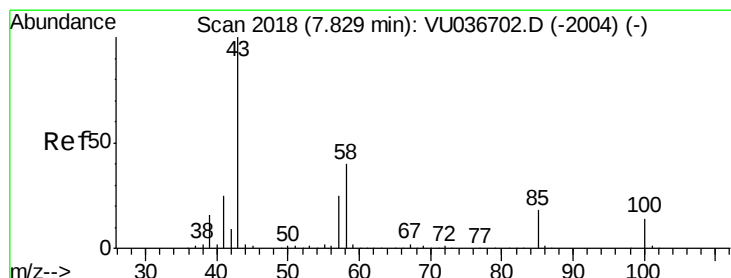
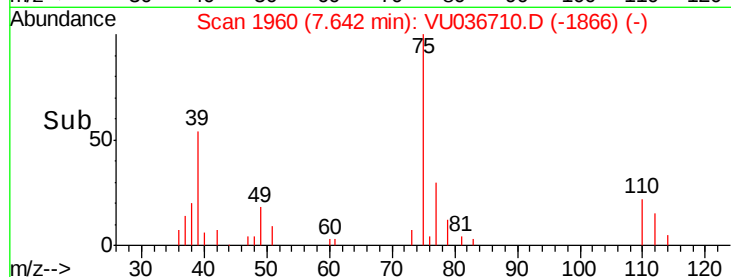
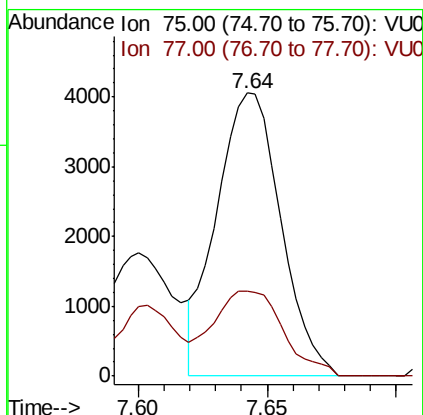
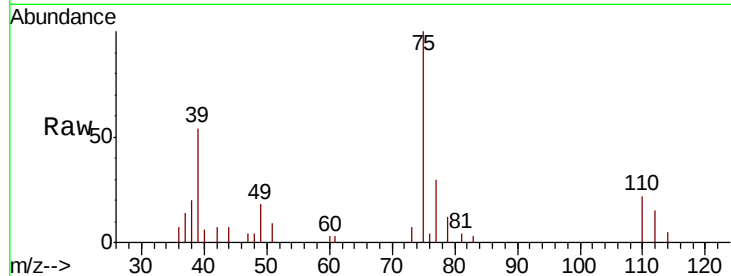




#39
 cis-1,3-Dichloropropene
 Concen: 2.178 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VU036710.D
 Acq: 10 Feb 2020 14:22

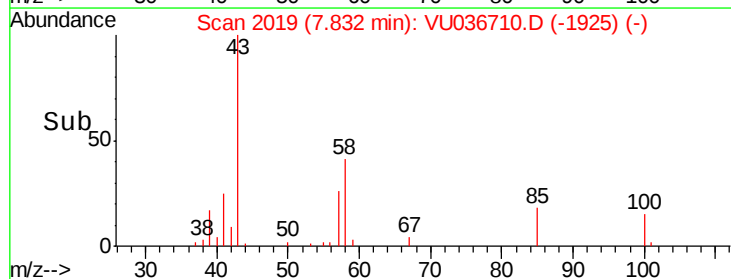
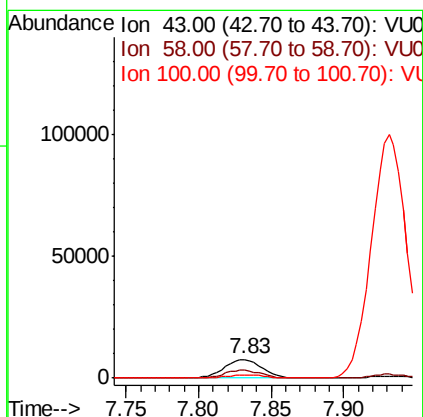
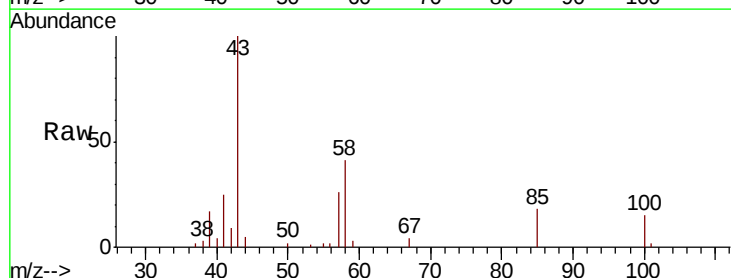
Instrument :
 MSVOA_U
 ClientSampleId :

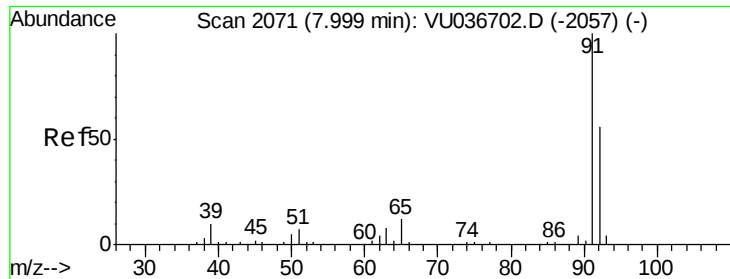
Tot Ion: 75 Resp: 7030
 Ion Ratio Lower Upper
 75 100
 77 30.0 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 4.360 ug/L
 RT: 7.83 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: VU036710.D
 Acq: 10 Feb 2020 14:22

Tgt Ion: 43 Resp: 13916
 Ion Ratio Lower Upper
 43 100
 58 40.4 31.0 46.6
 100 15.7 11.4 17.2





#42

Toluene

Concen: 2.314 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036710.D

Acq: 10 Feb 2020 14:22

Instrument :

MSVOA_U

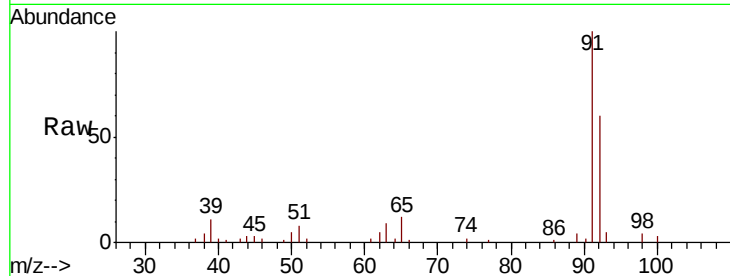
ClientSampleId :

Tot Ion: 91 Resp: 18734

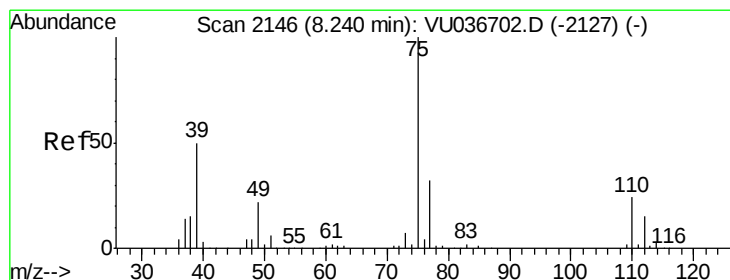
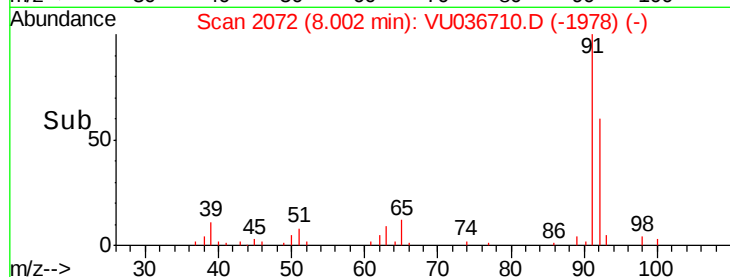
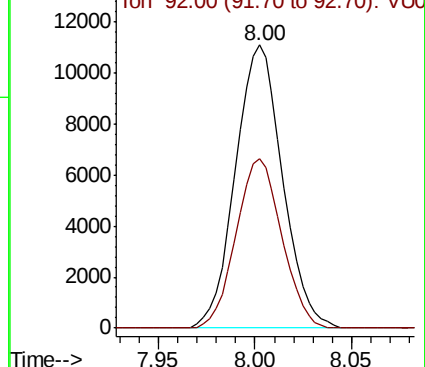
Ion Ratio Lower Upper

91 100

92 59.9 39.5 73.3



Abundance Ion 91.00 (90.70 to 91.70): VU036710.D (-2057) (-)



#44

trans-1,3-Dichloropropene

Concen: 2.115 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU036710.D

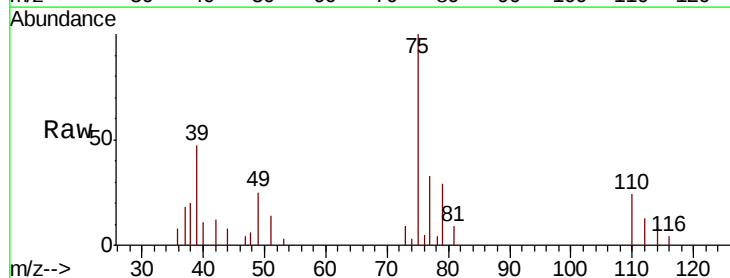
Acq: 10 Feb 2020 14:22

Tgt Ion: 75 Resp: 5964

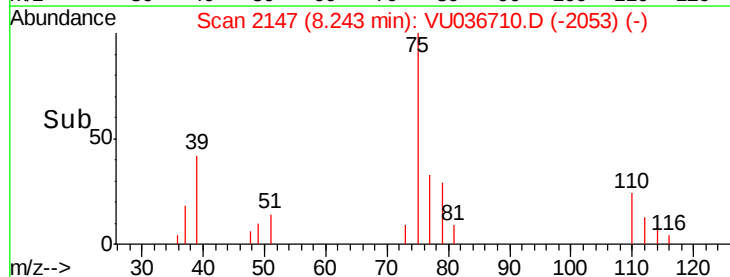
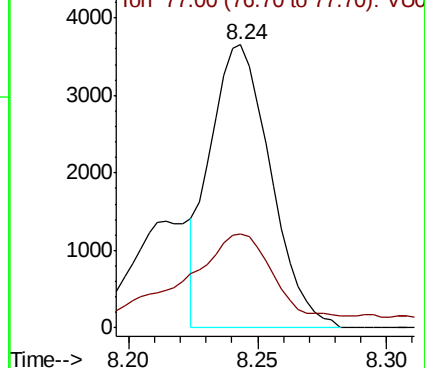
Ion Ratio Lower Upper

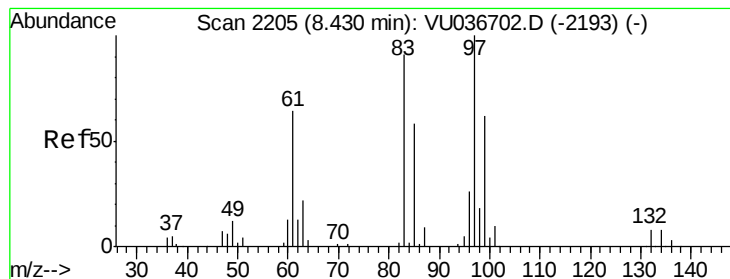
75 100

77 33.3 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VU036710.D (-2127) (-)





#45

1,1,2-Trichloroethane

Concen: 2.228 ug/L

RT: 8.43 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VU036710.D

Acq: 10 Feb 2020 14:22

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 4106

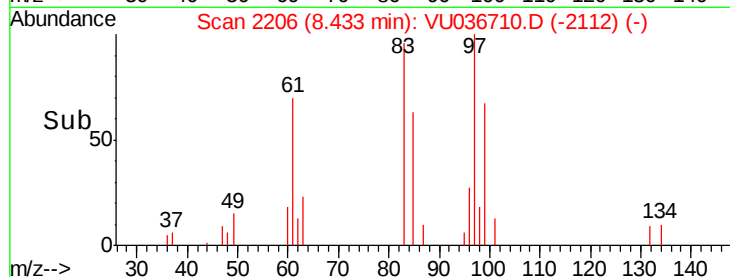
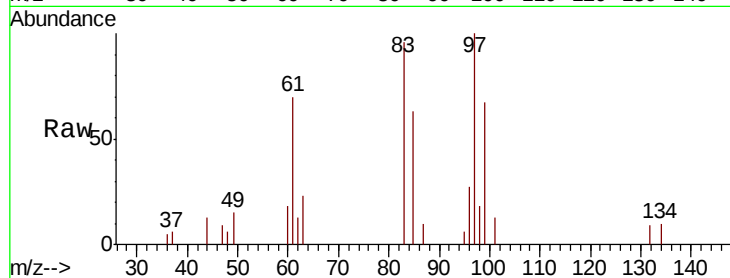
Ion Ratio Lower Upper

97 100

99 66.8 42.6 79.0

83 95.9 61.1 113.5

85 63.3 40.4 75.0

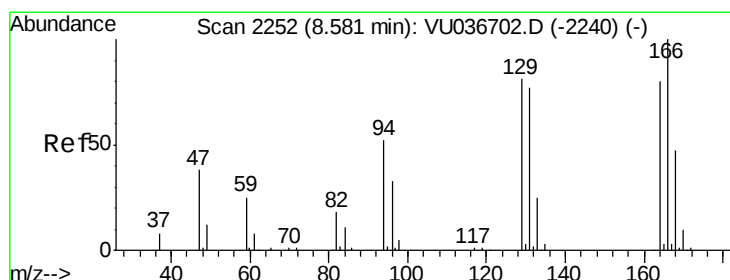
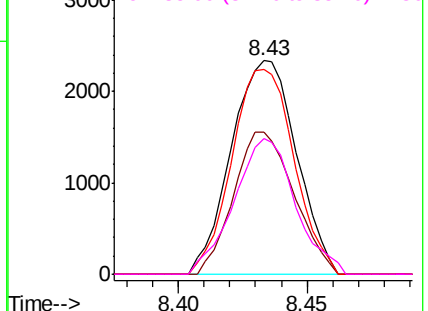


Abundance Ion 97.00 (96.70 to 97.70): VU036710.D (-2112) (-)

Ion 99.00 (98.70 to 99.70): VU036710.D (-2112) (-)

Ion 83.00 (82.70 to 83.70): VU036710.D (-2112) (-)

Ion 85.00 (84.70 to 85.70): VU036710.D (-2112) (-)



#46

Tetrachloroethene

Concen: 2.468 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU036710.D

Acq: 10 Feb 2020 14:22

Tgt Ion: 164 Resp: 3208

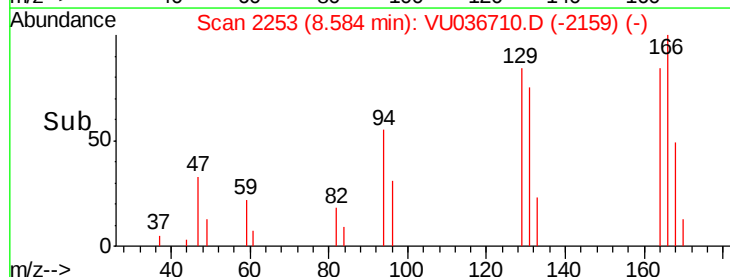
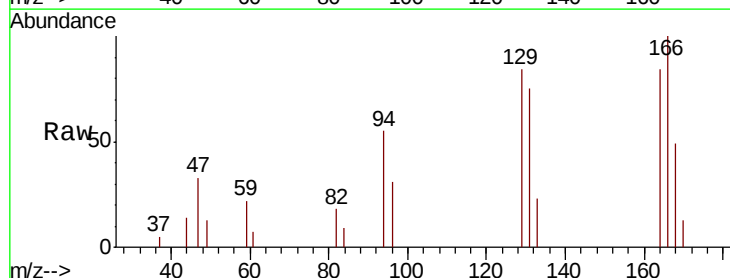
Ion Ratio Lower Upper

164 100

129 99.7 71.0 131.9

131 89.5 66.6 123.6

166 119.0 86.4 160.4

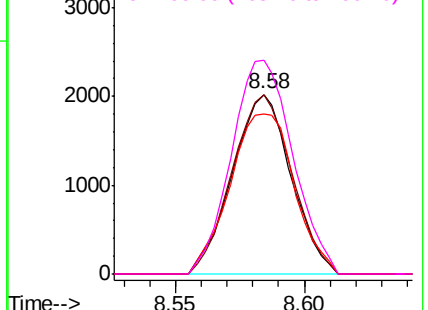


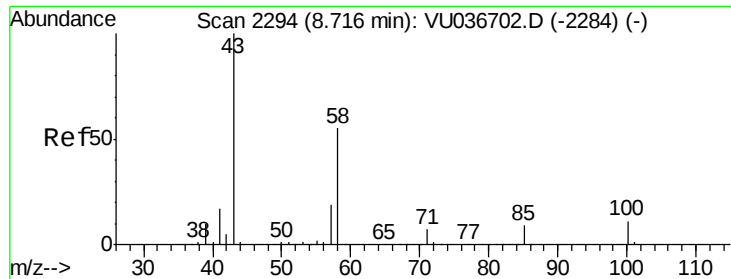
Abundance Ion 164.00 (163.70 to 164.70): VU036710.D (-2159) (-)

Ion 129.00 (128.70 to 129.70): VU036710.D (-2159) (-)

Ion 131.00 (130.70 to 131.70): VU036710.D (-2159) (-)

Ion 166.00 (165.70 to 166.70): VU036710.D (-2159) (-)

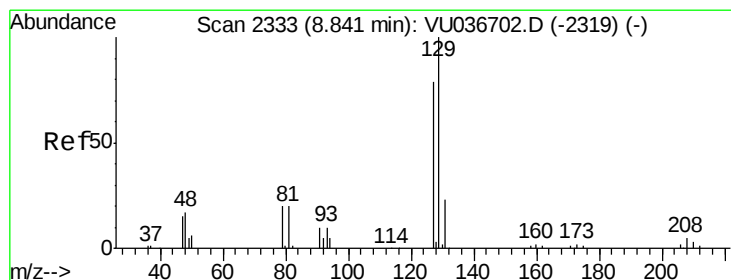
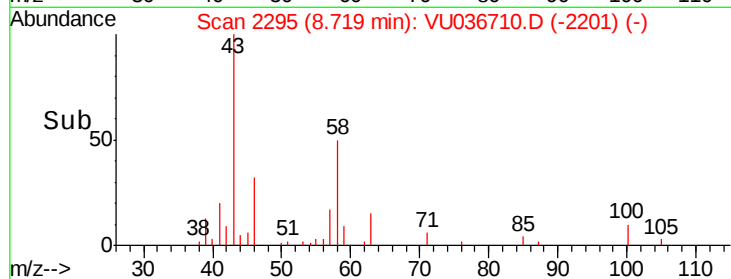
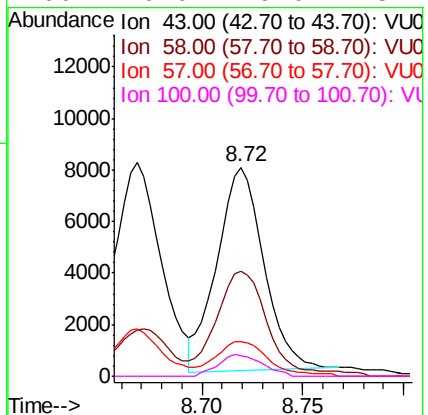
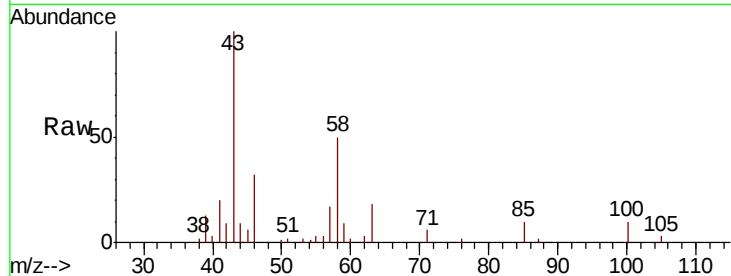




#48
2-Hexanone
Concen: 4.901 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. 0.00 min
Lab File: VU036710.D
Acq: 10 Feb 2020 14:22

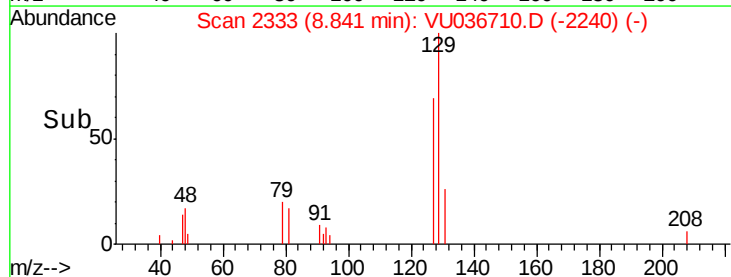
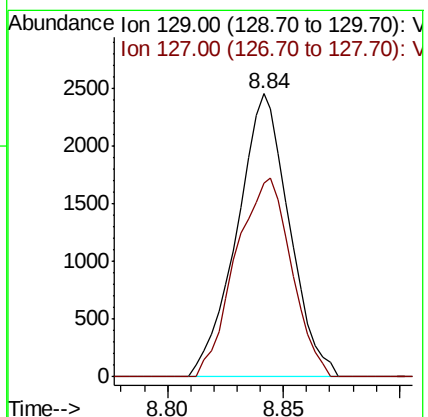
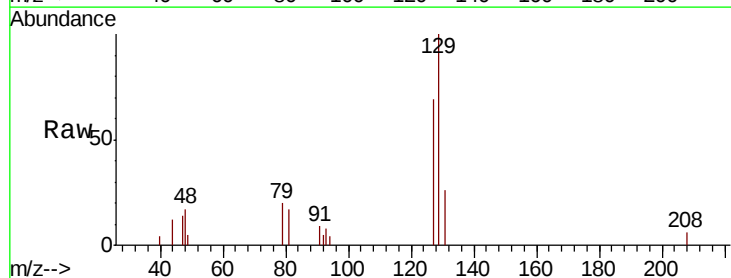
Instrument :
MSVOA_U
ClientSampleId :

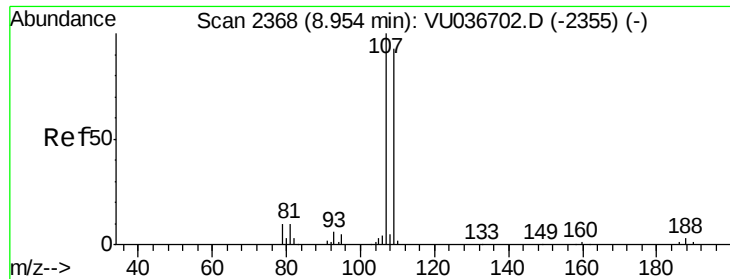
Tot Ion: 43 Resp: 12760
Ion Ratio Lower Upper
43 100
58 51.8 43.6 65.4
57 16.7 15.5 23.3
100 10.0 9.0 13.4



#49
Dibromochloromethane
Concen: 2.133 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. -0.00 min
Lab File: VU036710.D
Acq: 10 Feb 2020 14:22

Tgt Ion: 129 Resp: 3845
Ion Ratio Lower Upper
129 100
127 68.6 53.6 99.6

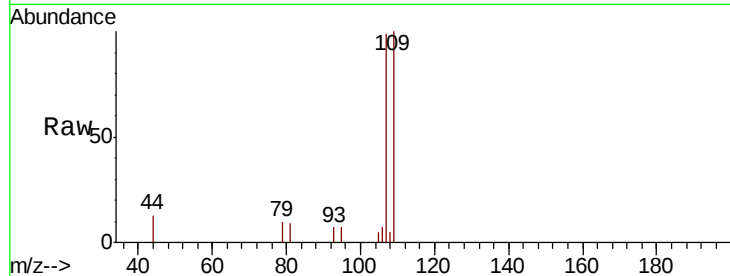




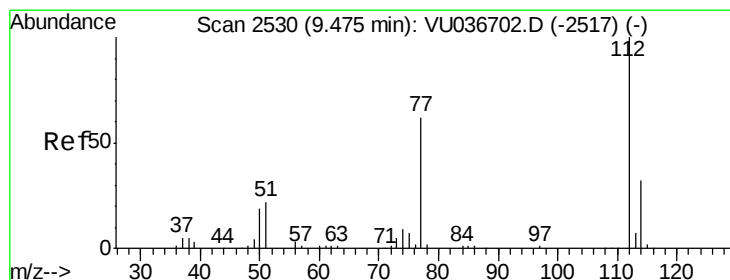
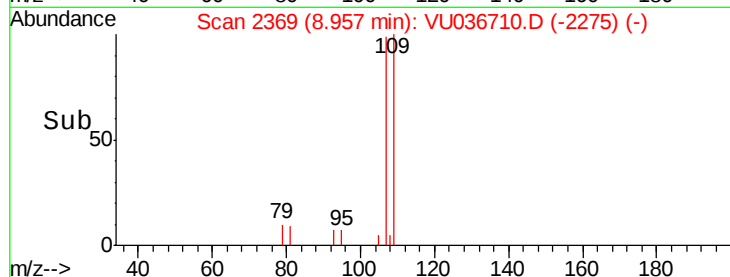
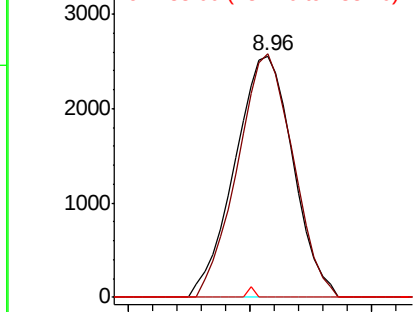
#50
1,2-Dibromoethane
Concen: 2.183 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VU036710.D
Acq: 10 Feb 2020 14:22

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:107 Resp: 4227
Ion Ratio Lower Upper
107 100
109 100.7 65.8 122.2
188 0.0 2.5 3.7#

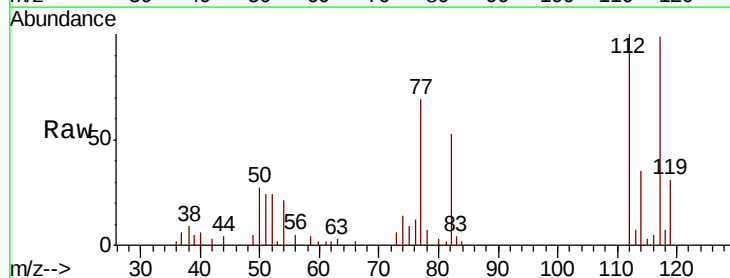


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

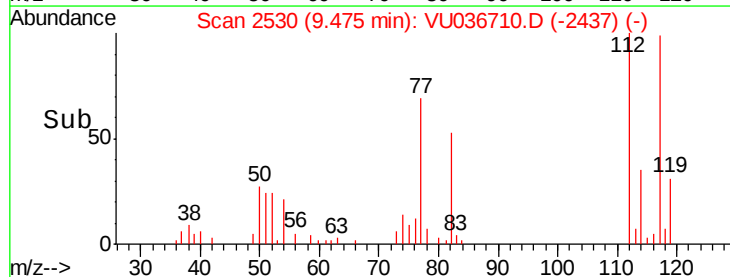
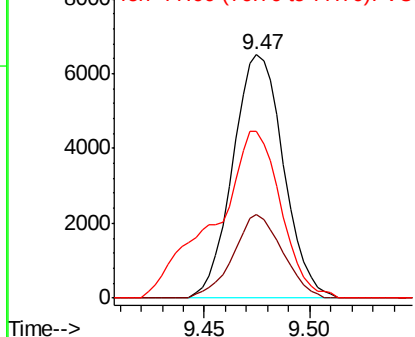


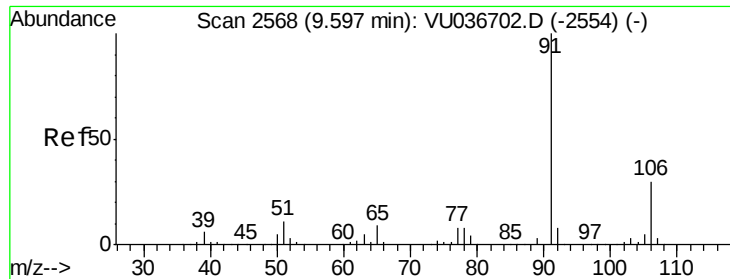
#51
Chlorobenzene
Concen: 2.226 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. -0.00 min
Lab File: VU036710.D
Acq: 10 Feb 2020 14:22

Tgt Ion:112 Resp: 10849
Ion Ratio Lower Upper
112 100
114 34.5 22.7 42.1
77 68.7 50.6 75.8



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





#52

Ethylbenzene

Concen: 2.241 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036710.D

Acq: 10 Feb 2020 14:22

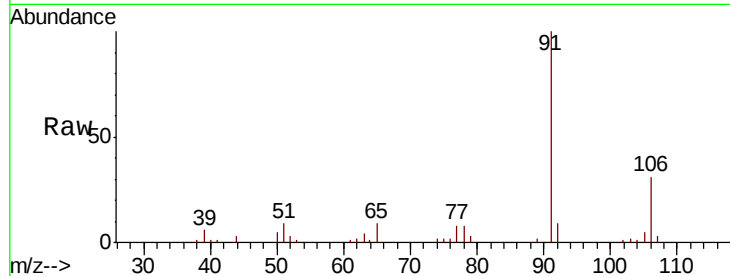
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 19932

Ion Ratio Lower Upper

91 100

106 31.2 21.3 39.6



Abundance Ion 91.00 (90.70 to 91.70): VU036710.D (-2554) (-)

Ion 106.00 (105.70 to 106.70): VU036710.D (-2554) (-)

9.60

15000

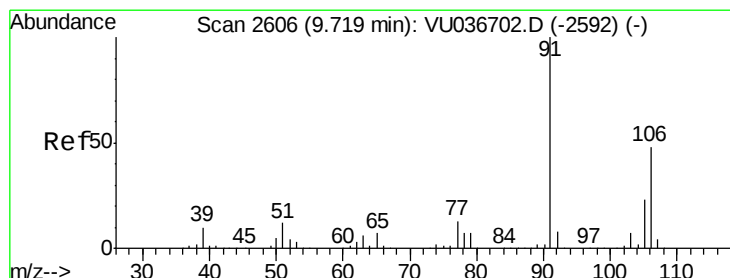
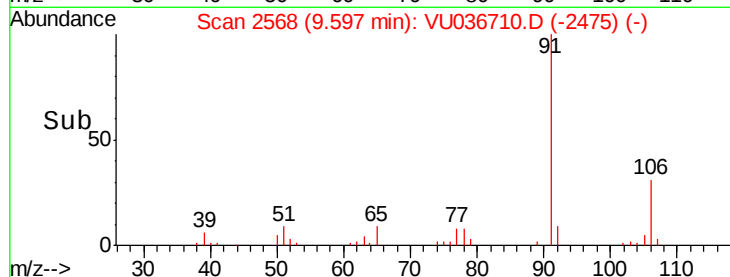
10000

5000

0

9.55 9.60 9.65

Time-->



#53

m,p-Xylene

Concen: 2.155 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VU036710.D

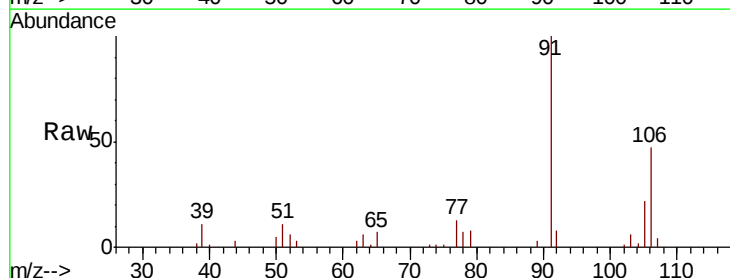
Acq: 10 Feb 2020 14:22

Tgt Ion: 106 Resp: 7072

Ion Ratio Lower Upper

106 100

91 214.2 145.9 270.9



Abundance Ion 106.00 (105.70 to 106.70): VU036710.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VU036710.D (-2592) (-)

9.72

10000

8000

6000

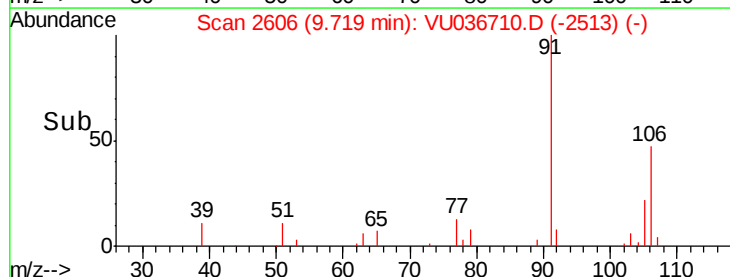
4000

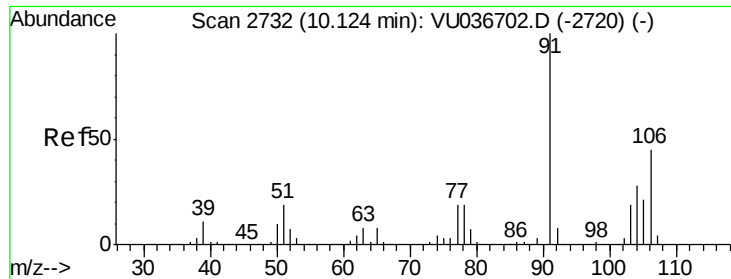
2000

0

9.70 9.72 9.75

Time-->





#54

o-xylene

Concen: 2.214 ug/L

RT: 10.13 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU036710.D

Acq: 10 Feb 2020 14:22

Instrument :

MSVOA_U

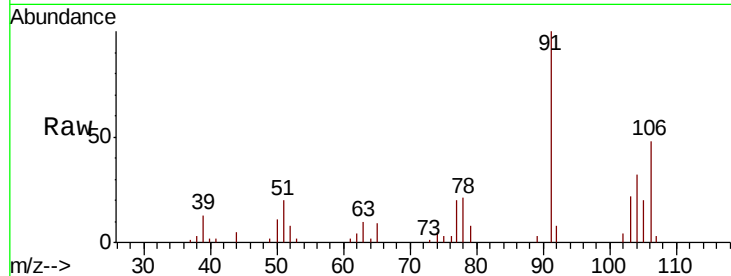
ClientSampled :

Tot Ion:106 Resp: 7196

Ion Ratio Lower Upper

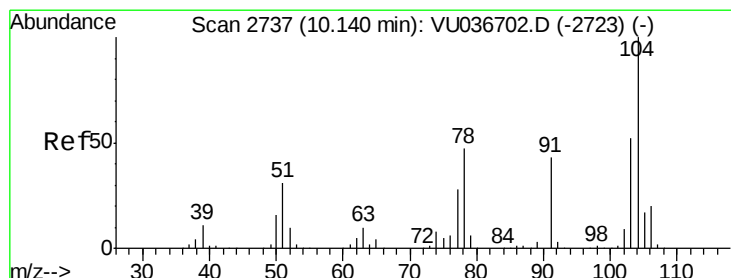
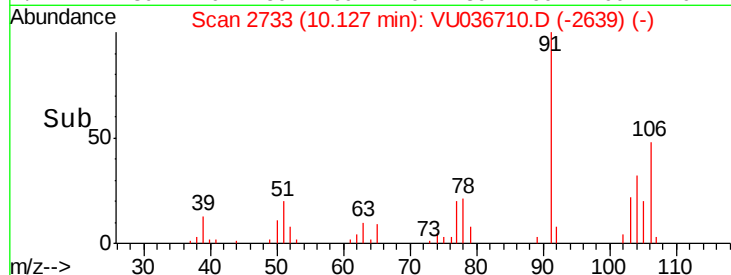
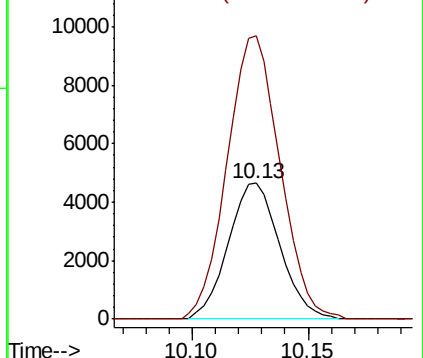
106 100

91 207.9 156.0 289.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 1.968 ug/L

RT: 10.14 min Scan# 2737

Delta R.T. -0.00 min

Lab File: VU036710.D

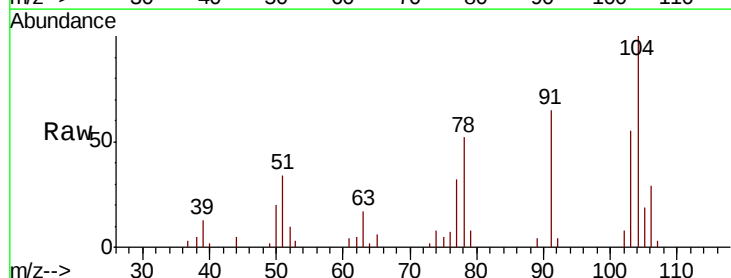
Acq: 10 Feb 2020 14:22

Tgt Ion:104 Resp: 10661

Ion Ratio Lower Upper

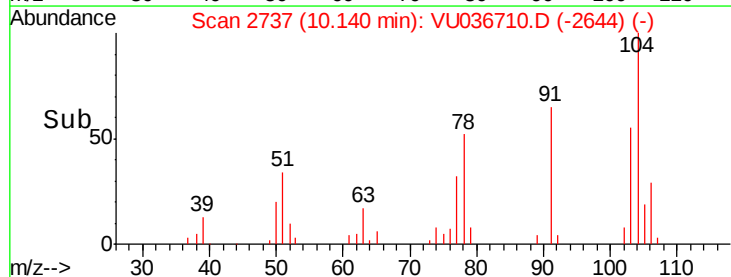
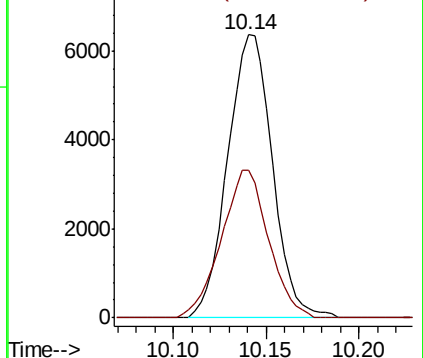
104 100

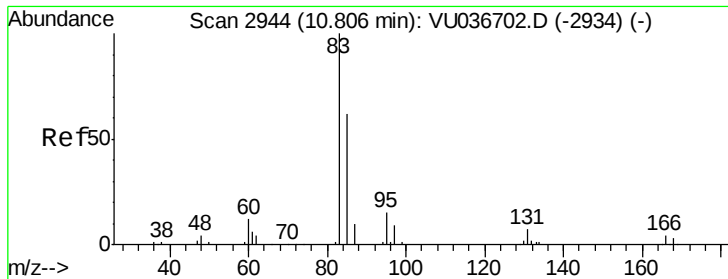
78 52.4 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#57

1,1,2,2-Tetrachloroethane

Concen: 2.376 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU036710.D

Acq: 10 Feb 2020 14:22

Instrument :

MSVOA_U

ClientSampleId :

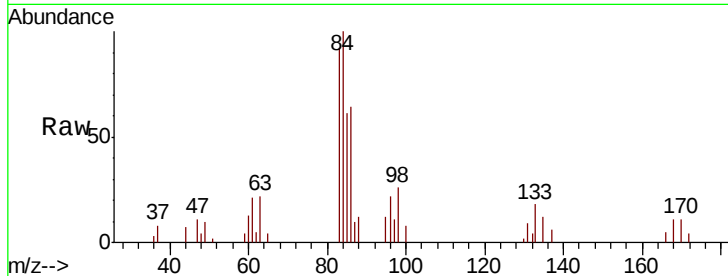
Tot Ion: 83 Resp: 7891

Ion Ratio Lower Upper

83 100

85 66.2 44.7 82.9

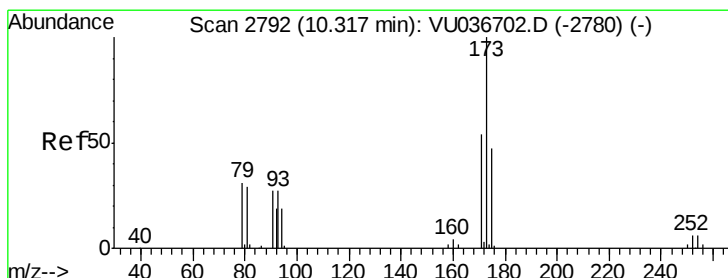
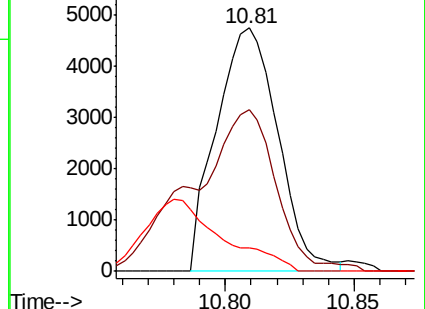
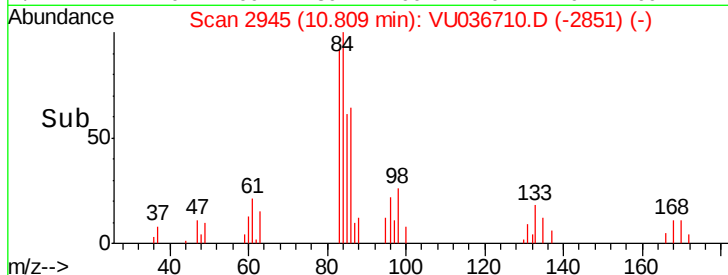
131 9.5 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VU036710.D (-2851) (-)

Ion 85.00 (84.70 to 85.70): VU036710.D (-2851) (-)

Ion 131.00 (130.70 to 131.70): VU036710.D (-2851) (-)



#59

Bromoform

Concen: 1.972 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VU036710.D

Acq: 10 Feb 2020 14:22

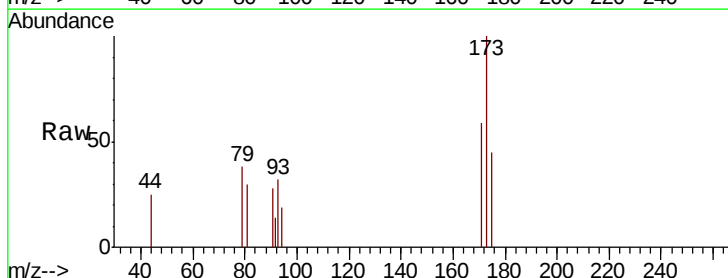
Tgt Ion: 173 Resp: 2295

Ion Ratio Lower Upper

173 100

175 47.2 38.2 57.4

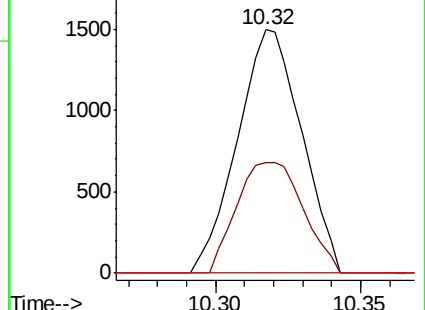
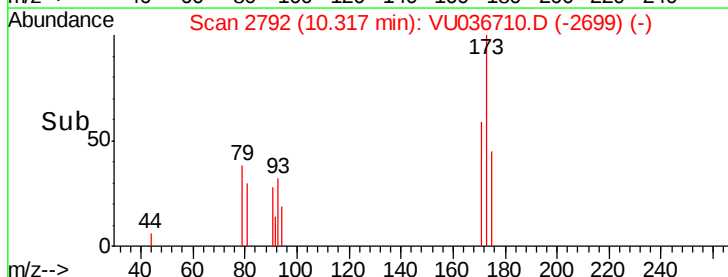
254 0.0 4.8 7.2#

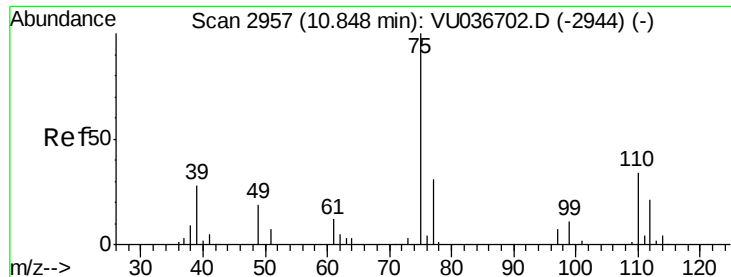


Abundance Ion 173.00 (172.70 to 173.70): VU036710.D (-2699) (-)

Ion 175.00 (174.70 to 175.70): VU036710.D (-2699) (-)

Ion 254.00 (253.70 to 254.70): VU036710.D (-2699) (-)

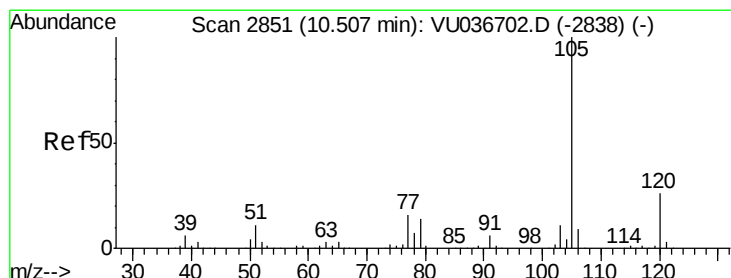
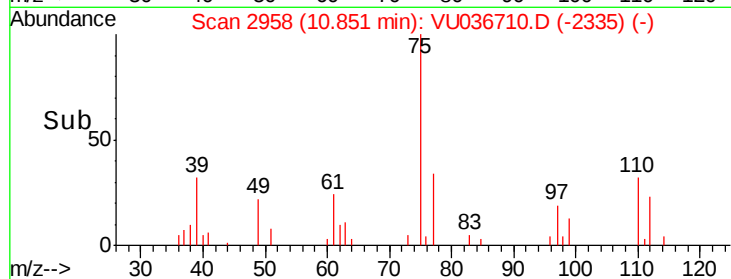
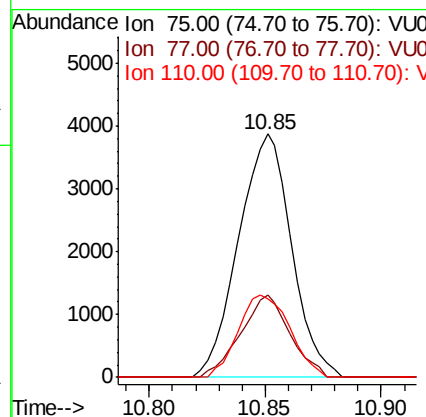
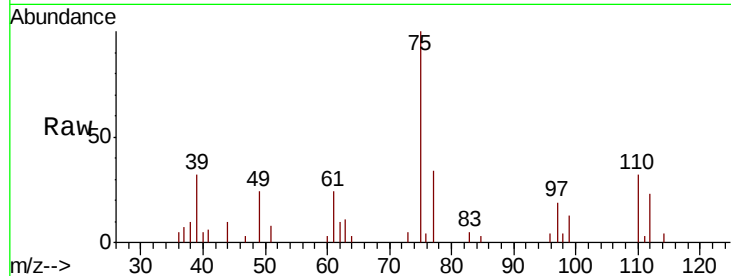




#60
 1,2,3-Trichloropropane
 Concen: 2.475 ug/L
 RT: 10.85 min Scan# 2958
 Delta R.T. 0.00 min
 Lab File: VU036710.D
 Acq: 10 Feb 2020 14:22

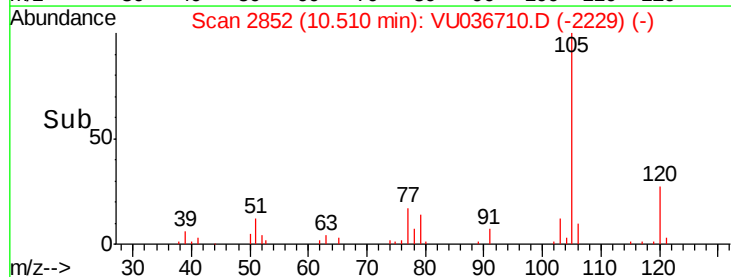
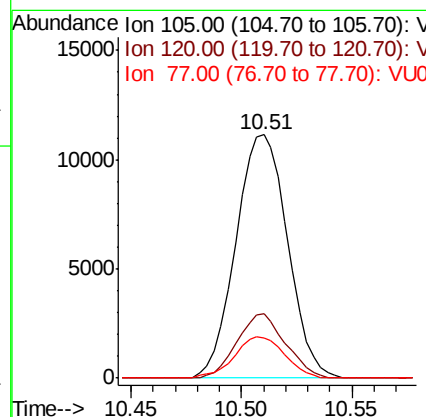
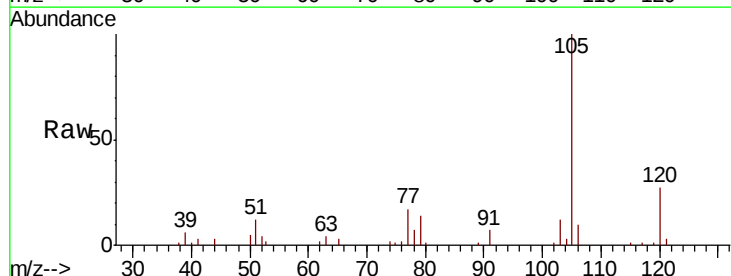
Instrument :
 MSVOA_U
 ClientSampleId :

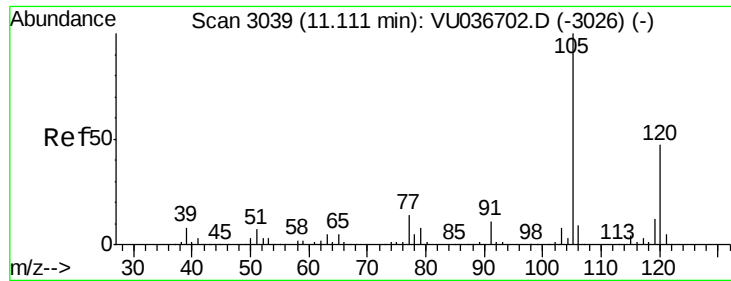
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	26.1	39.1
110	33.0	26.9	40.3



#61
 Isopropylbenzene
 Concen: 2.311 ug/L
 RT: 10.51 min Scan# 2852
 Delta R.T. 0.00 min
 Lab File: VU036710.D
 Acq: 10 Feb 2020 14:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.7	20.2	30.4
77	16.4	13.0	19.6

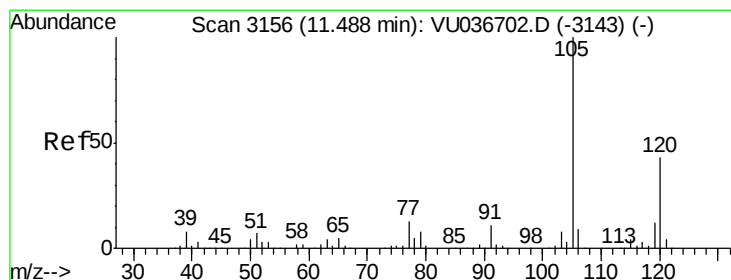
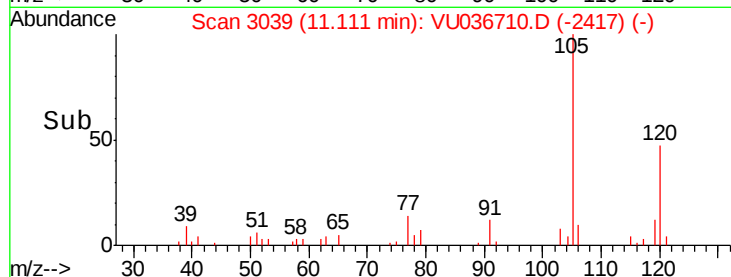
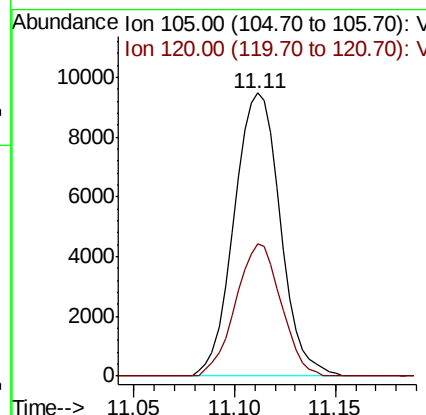
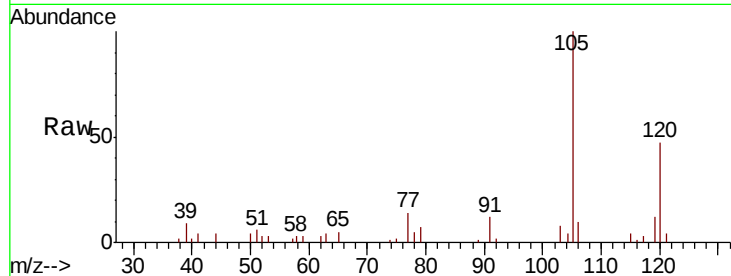




#62
 1,3,5-Trimethylbenzene
 Concen: 2.267 ug/L
 RT: 11.11 min Scan# 3039
 Delta R.T. -0.00 min
 Lab File: VU036710.D
 Acq: 10 Feb 2020 14:22

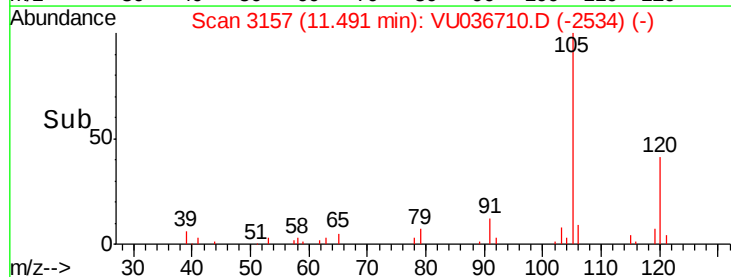
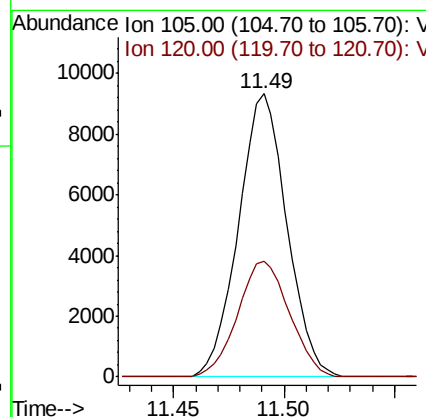
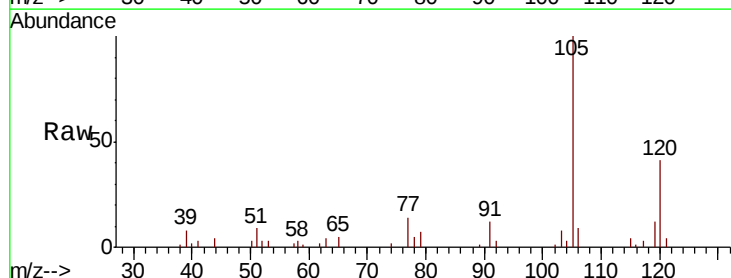
Instrument :
 MSVOA_U
 ClientSampled :

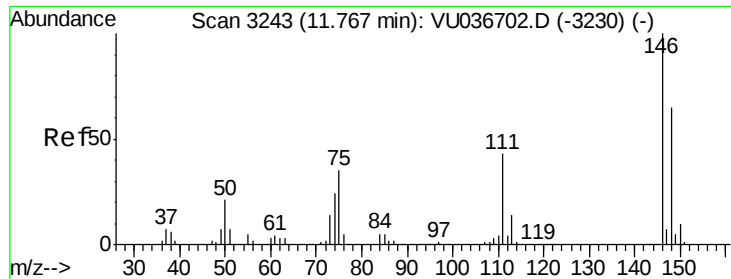
Tot Ion:105 Resp: 15241
 Ion Ratio Lower Upper
 105 100
 120 45.6 37.1 55.7



#63
 1,2,4-Trimethylbenzene
 Concen: 2.115 ug/L
 RT: 11.49 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU036710.D
 Acq: 10 Feb 2020 14:22

Tgt Ion:105 Resp: 14202
 Ion Ratio Lower Upper
 105 100
 120 43.7 34.7 52.1

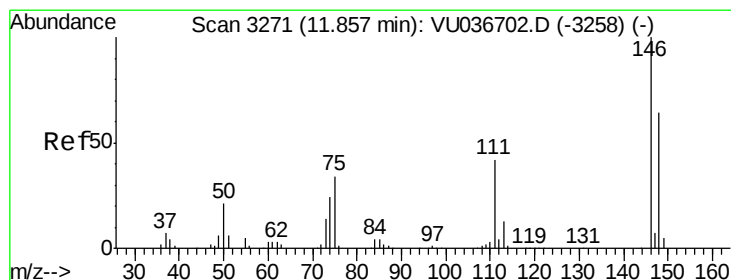
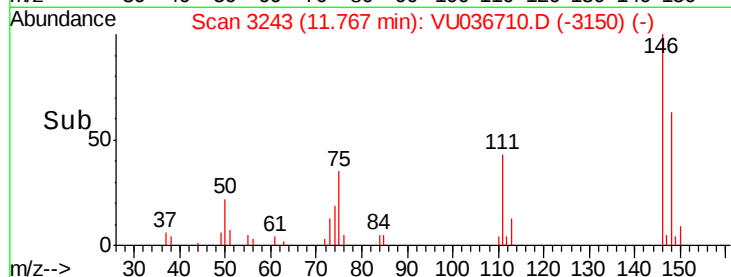
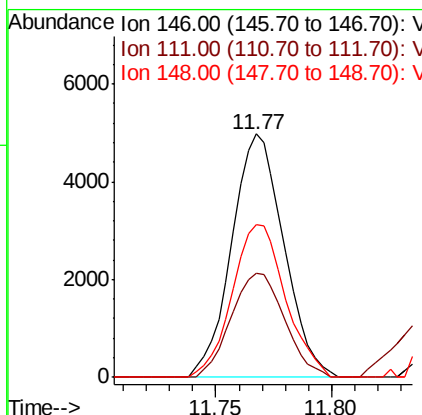
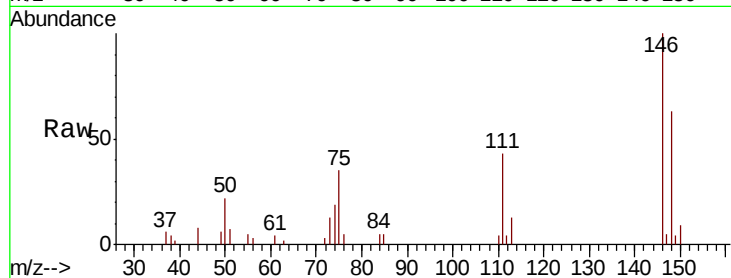




#64
 1,3-Dichlorobenzene
 Concen: 2.352 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. -0.00 min
 Lab File: VU036710.D
 Acq: 10 Feb 2020 14:22

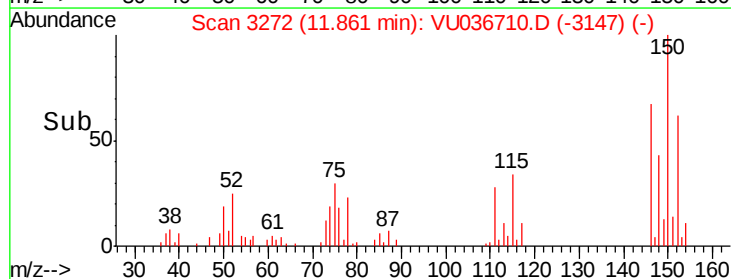
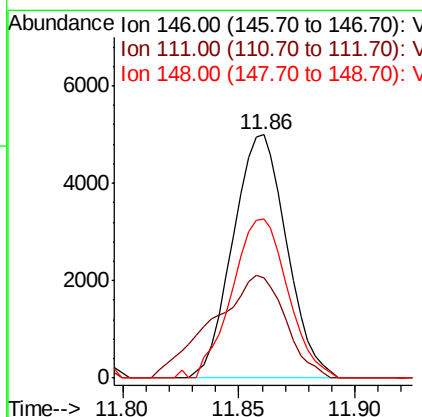
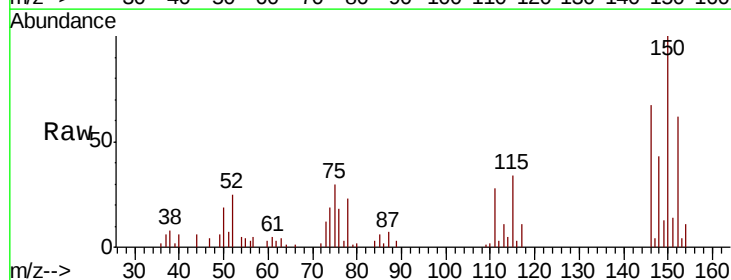
Instrument :
 MSVOA_U
 ClientSampleId :

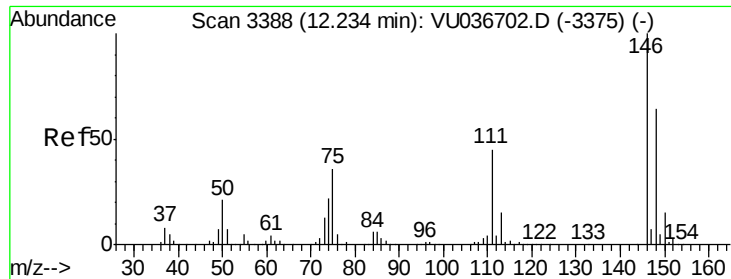
Tot Ion:146 Resp: 7758
 Ion Ratio Lower Upper
 146 100
 111 42.9 30.4 56.4
 148 62.9 44.5 82.7



#65
 1,4-Dichlorobenzene
 Concen: 2.429 ug/L
 RT: 11.86 min Scan# 3272
 Delta R.T. 0.00 min
 Lab File: VU036710.D
 Acq: 10 Feb 2020 14:22

Tgt Ion:146 Resp: 8064
 Ion Ratio Lower Upper
 146 100
 111 41.3 29.3 54.3
 148 65.3 44.8 83.2

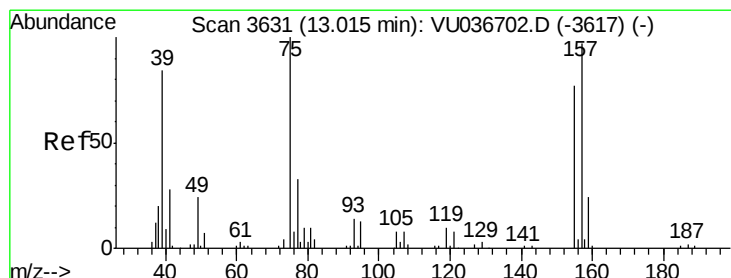
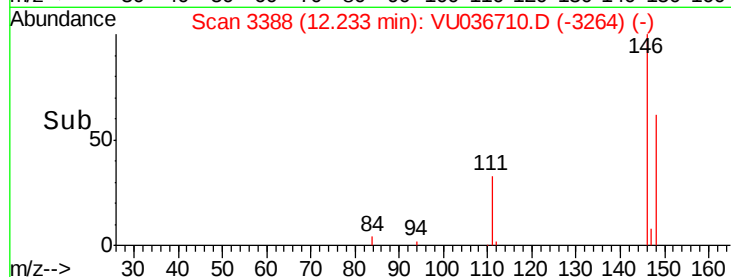
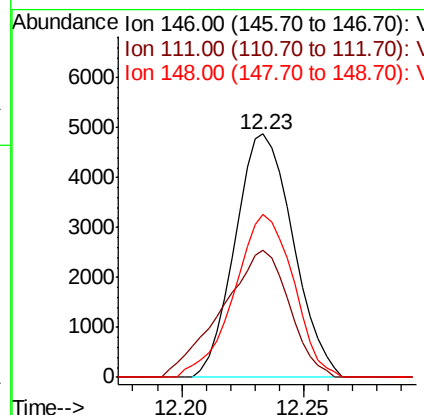
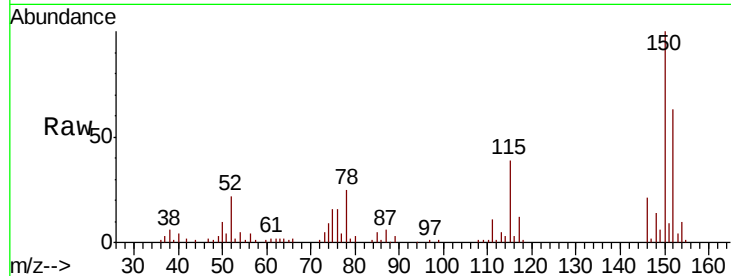




#67
 1,2-Dichlorobenzene
 Concen: 2.413 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VU036710.D
 Acq: 10 Feb 2020 14:22

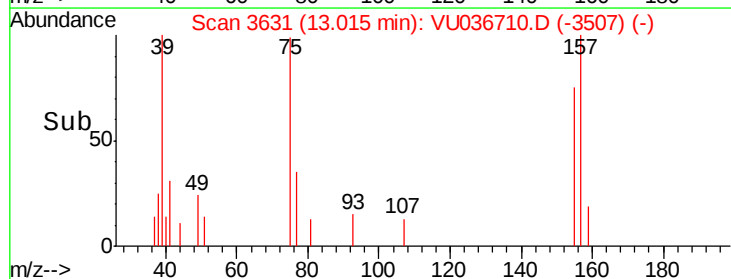
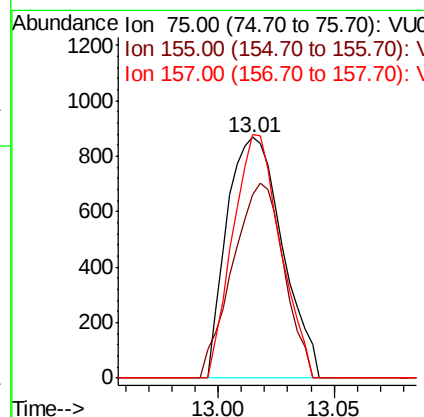
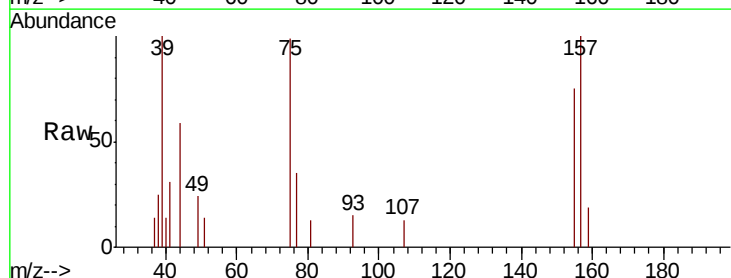
Instrument :
 MSVOA_U
 ClientSampled :

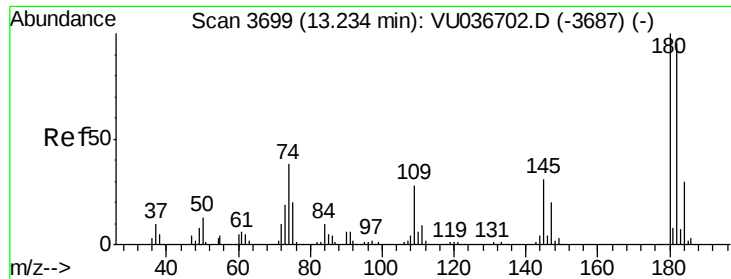
Tot Ion:146 Resp: 8059
 Ion Ratio Lower Upper
 146 100
 111 52.5 35.4 53.0
 148 66.8 50.4 75.6



#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.032 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. -0.00 min
 Lab File: VU036710.D
 Acq: 10 Feb 2020 14:22

Tgt Ion: 75 Resp: 1439
 Ion Ratio Lower Upper
 75 100
 155 76.3 58.7 88.1
 157 101.2 77.8 116.6

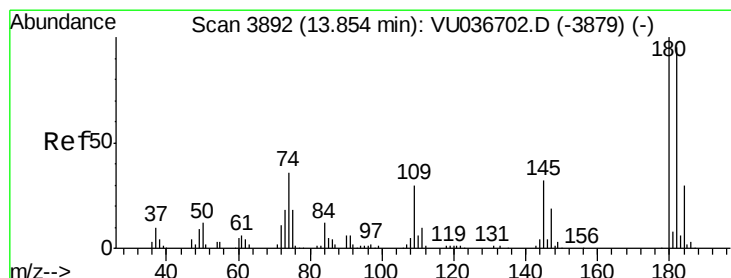
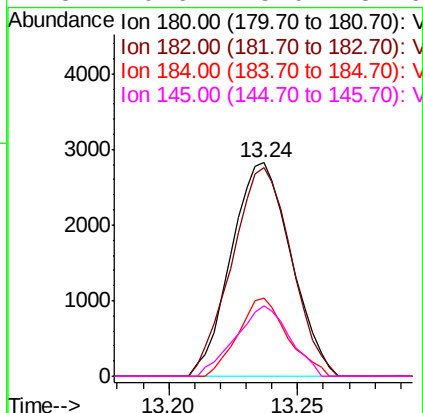
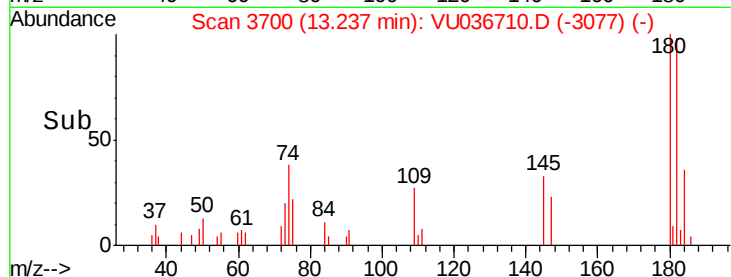
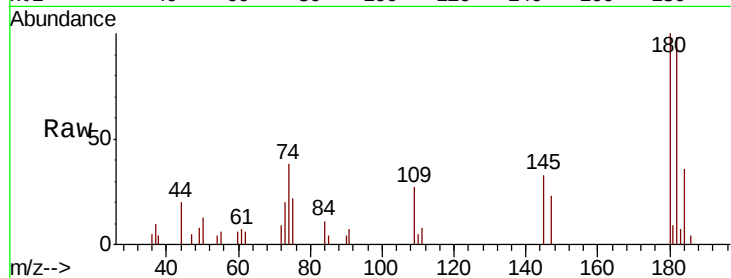




#69
 1,3,5-Trichlorobenzene
 Concen: 1.991 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU036710.D
 Acq: 10 Feb 2020 14:22

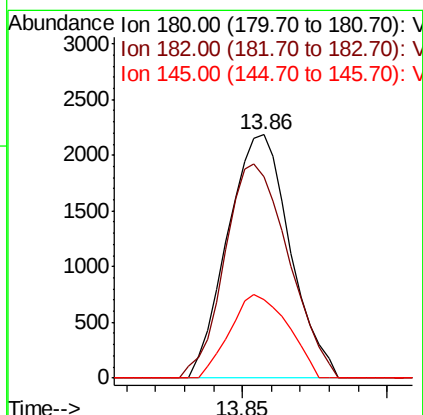
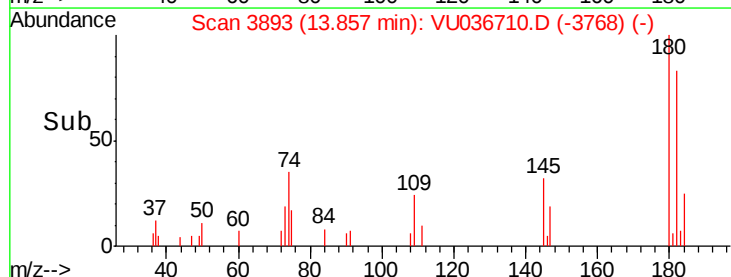
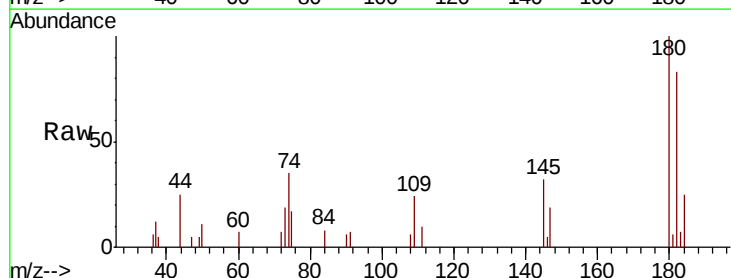
Instrument :
 MSVOA_U
 ClientSampleId :

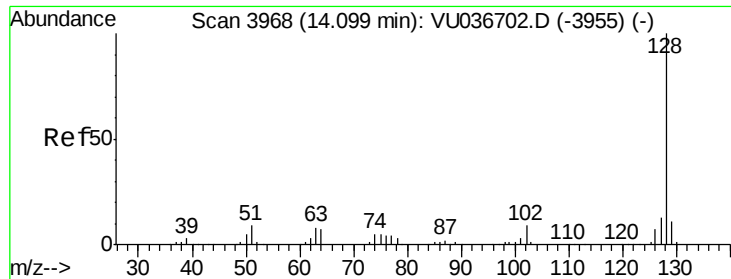
Tot Ion:180 Resp: 4553
 Ion Ratio Lower Upper
 180 100
 182 97.2 76.2 114.4
 184 30.3 23.8 35.6
 145 29.6 25.0 37.6



#70
 1,2,4-trichlorobenzene
 Concen: 1.713 ug/L
 RT: 13.86 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU036710.D
 Acq: 10 Feb 2020 14:22

Tgt Ion:180 Resp: 3266
 Ion Ratio Lower Upper
 180 100
 182 89.8 76.1 114.1
 145 32.0 25.7 38.5

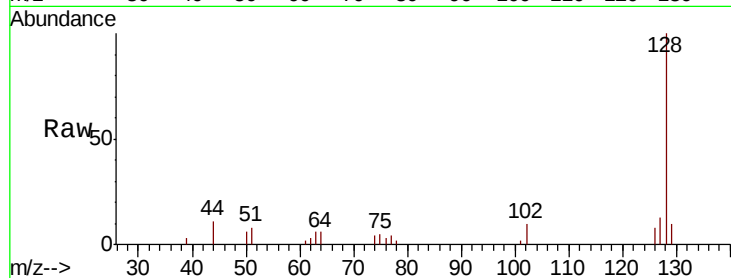




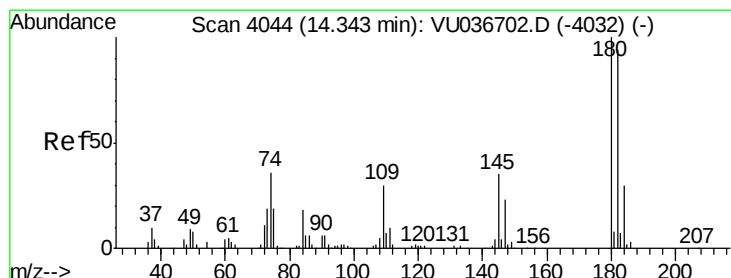
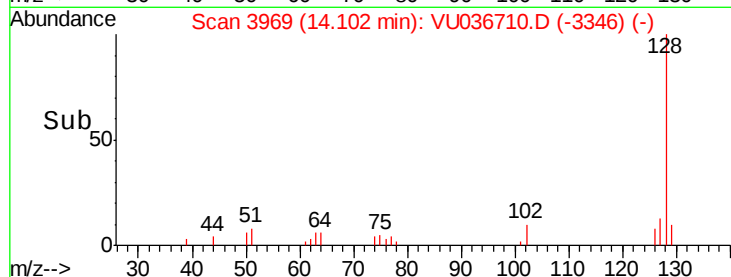
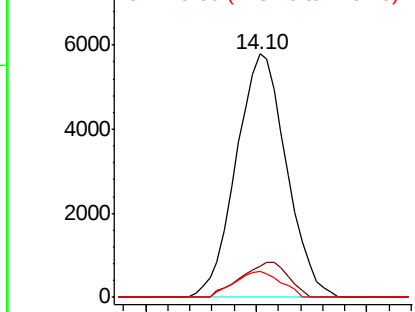
#71
Naphthalene
Concen: 1.365 ug/L
RT: 14.10 min Scan# 3969
Delta R.T. 0.00 min
Lab File: VU036710.D
Acq: 10 Feb 2020 14:22

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 9178
Ion Ratio Lower Upper
128 100
127 13.6 10.6 16.0
129 9.8 8.5 12.7

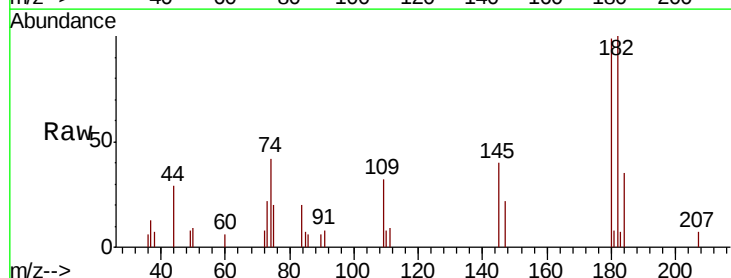


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#72
1,2,3-Trichlorobenzene
Concen: 1.596 ug/L
RT: 14.35 min Scan# 4045
Delta R.T. 0.00 min
Lab File: VU036710.D
Acq: 10 Feb 2020 14:22

Tgt Ion:180 Resp: 3032
Ion Ratio Lower Upper
180 100
182 100.0 76.8 115.2
145 37.8 27.5 41.3



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

