

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110220\
 Data File : VU041042.D
 Acq On : 02 Nov 2020 10:52
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 03 00:41:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Nov 02 17:44:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	54020	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	54524	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	28063	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	21906	4.83	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.60%
7) Chloroethane-d5	1.92	69	15637	4.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.60%
11) 1,1-Dichloroethene-d2	2.58	63	41713	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.80%
20) 2-Butanone-d5	4.64	46	89189	59.68	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.36%
24) Chloroform-d	5.08	84	40704	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
26) 1,2-Dichloroethane-d4	5.72	65	26029	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
32) Benzene-d6	5.74	84	75761	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
36) 1,2-Dichloropropane-d6	6.70	67	24848	5.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.60%
41) Toluene-d8	7.90	98	69545	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.20%
43) trans-1,3-Dichloropropene-	8.18	79	11351	5.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	110.20%
46) 2-Hexanone-d5	8.64	63	66727	60.22	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.44%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	24345	5.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	25191	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	23065	4.677	ug/L	99
3) Chloromethane	1.53	50	23047	4.482	ug/L	100
5) Vinyl chloride	1.61	62	23466	4.625	ug/L	96
6) Bromomethane	1.87	94	12256	4.215	ug/L	99
8) Chloroethane	1.94	64	12783	3.977	ug/L	97
9) Trichlorofluoromethane	2.15	101	33079	4.797	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	19417	4.805	ug/L	96
12) 1,1-Dichloroethene	2.59	96	16800	4.403	ug/L	99
13) Acetone	2.65	43	56778	55.569	ug/L #	57
14) Carbon disulfide	2.81	76	54586	4.281	ug/L	100
15) Methyl Acetate	2.96	43	13359	5.714	ug/L	92
16) Methylene chloride	3.06	84	21060	4.737	ug/L	98
17) Methyl tert-butyl Ether	3.38	73	50437	5.136	ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	17752	4.578	ug/L	99
19) 1,1-Dichloroethane	3.89	63	37866	4.884	ug/L	98
21) 2-Butanone	4.72	43	92110	57.679	ug/L	99
22) cis-1,2-Dichloroethene	4.68	96	19818	4.955	ug/L	94

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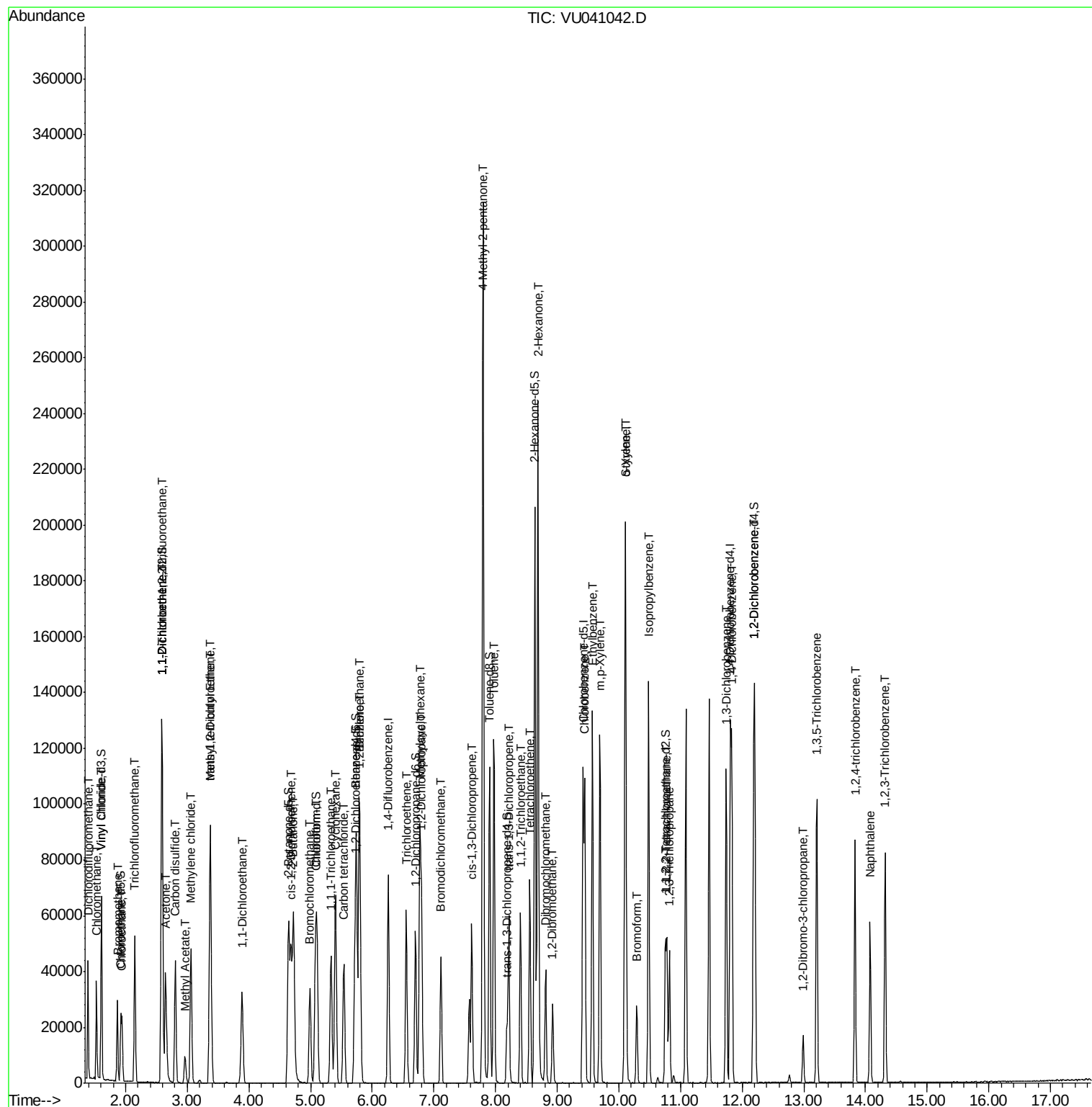
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	9962	5.279	ug/L	96
25) Chloroform	5.11	83	38742	4.983	ug/L	99
27) 1,2-Dichloroethane	5.81	62	29769	5.141	ug/L	97
29) 1,1,1-Trichloroethane	5.33	97	32256	4.837	ug/L	97
30) Cyclohexane	5.40	56	31060	4.727	ug/L	99
31) Carbon tetrachloride	5.54	117	28923	4.898	ug/L	99
33) Benzene	5.79	78	79360	4.871	ug/L	100
34) Trichloroethene	6.55	95	20893	5.039	ug/L	96
35) Methylcyclohexane	6.77	83	29474	4.766	ug/L	99
37) 1,2-Dichloropropane	6.80	63	22176	5.031	ug/L #	96
38) Bromodichloromethane	7.11	83	27916	4.882	ug/L	94
39) cis-1,3-Dichloropropene	7.61	75	31305	5.158	ug/L	100
40) 4-Methyl-2-pentanone	7.80	43	211393	60.143	ug/L	97
42) Toluene	7.98	91	83376	5.047	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	30302	5.335	ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	17265	5.261	ug/L	96
47) Tetrachloroethene	8.56	164	14495	4.755	ug/L	95
48) 2-Hexanone	8.69	43	159841	60.395	ug/L	98
49) Dibromochloromethane	8.81	129	19782	5.191	ug/L	99
50) 1,2-Dibromoethane	8.93	107	16512	5.280	ug/L	97
51) Chlorobenzene	9.45	112	50230	4.795	ug/L	99
52) Ethylbenzene	9.57	91	87616	5.039	ug/L	100
53) m,p-Xylene	9.69	106	32671	5.152	ug/L	100
54) o-Xylene	10.10	106	30924	5.236	ug/L	96
55) Styrene	10.11	104	55320	5.257	ug/L	100
56) Isopropylbenzene	10.48	105	84770	5.337	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	23497	5.452	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	19161	5.832	ug/L	95
61) Bromoform	10.29	173	11651	5.387	ug/L	97
62) 1,3-Dichlorobenzene	11.74	146	41638	5.140	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	42350	5.048	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	40449	5.060	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	4362	5.568	ug/L	97
67) 1,3,5-Trichlorobenzene	13.21	180	28688	5.064	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	22842	4.867	ug/L	96
69) Naphthalene	14.08	128	42558	5.071	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	22141	5.119	ug/L	97

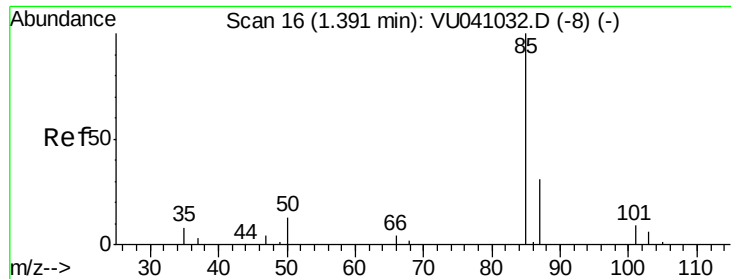
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.677 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU041042.D

Acq: 02 Nov 2020 10:52

Instrument :

MSVOA_U

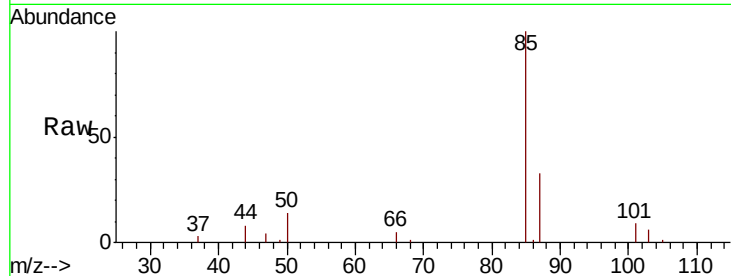
ClientSampleId :

Tot Ion: 85 Resp: 23065

Ion Ratio Lower Upper

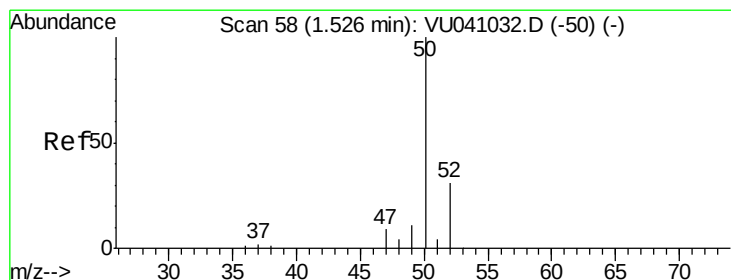
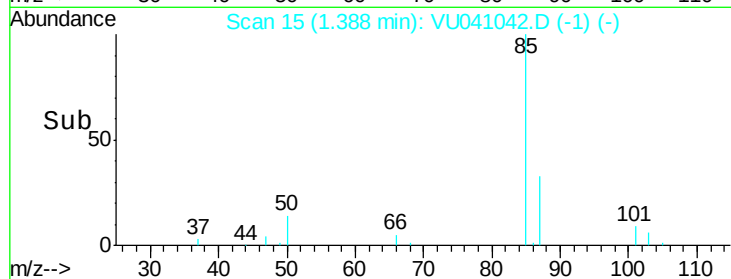
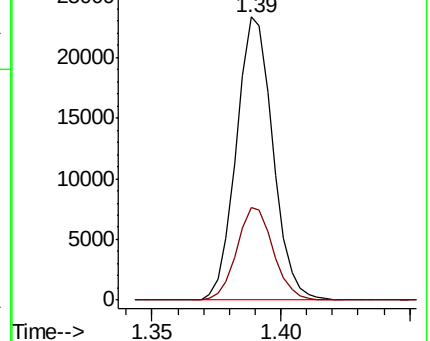
85 100

87 32.6 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.482 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041042.D

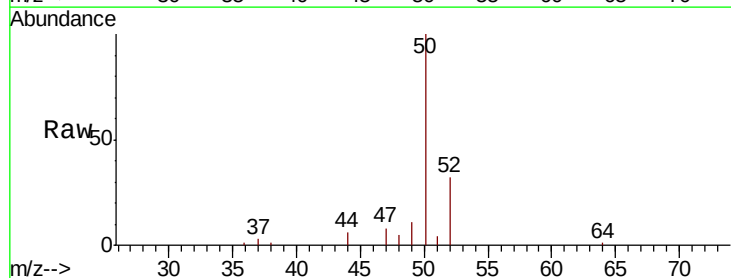
Acq: 02 Nov 2020 10:52

Tgt Ion: 50 Resp: 23047

Ion Ratio Lower Upper

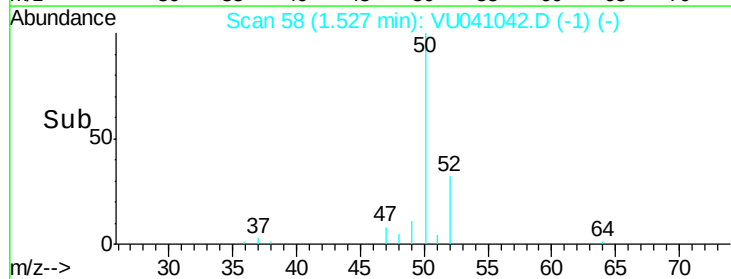
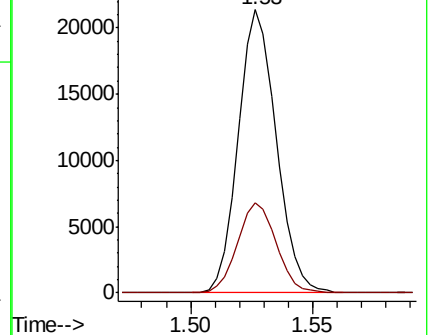
50 100

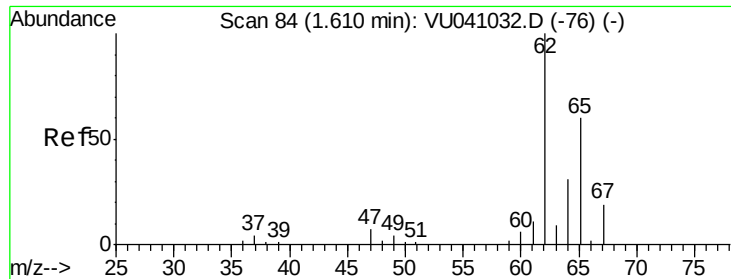
52 31.9 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.625 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041042.D

Acq: 02 Nov 2020 10:52

Instrument :

MSVOA_U

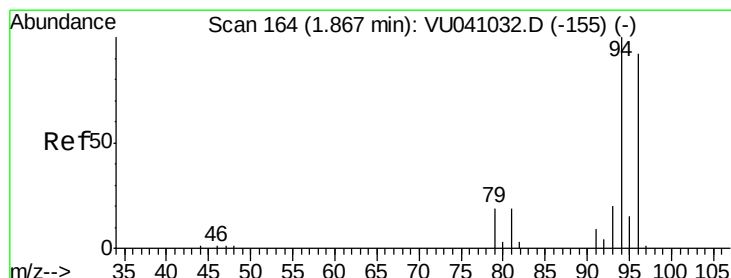
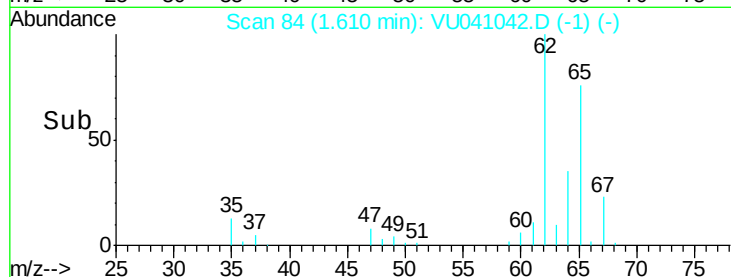
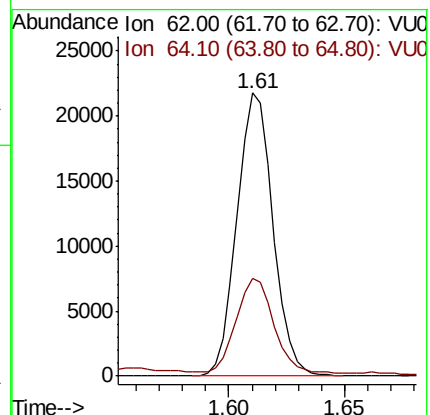
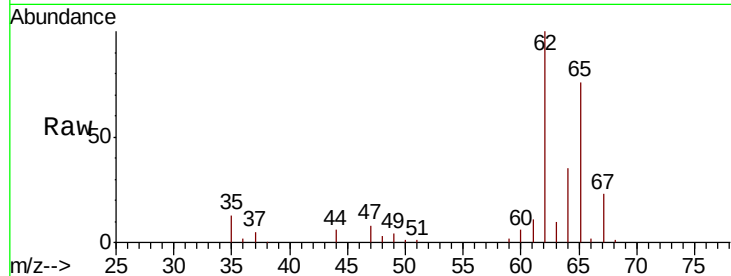
ClientSampleId :

Tot Ion: 62 Resp: 23466

Ion Ratio Lower Upper

62 100

64 34.6 22.7 42.3



#6

Bromomethane

Concen: 4.215 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU041042.D

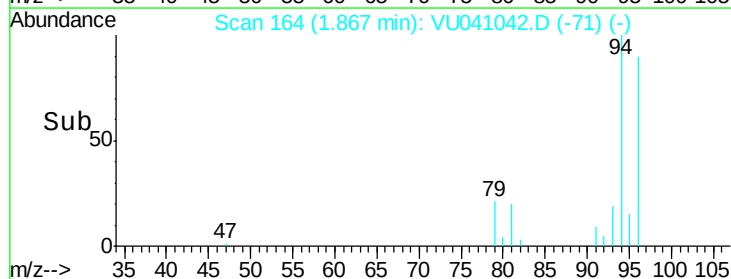
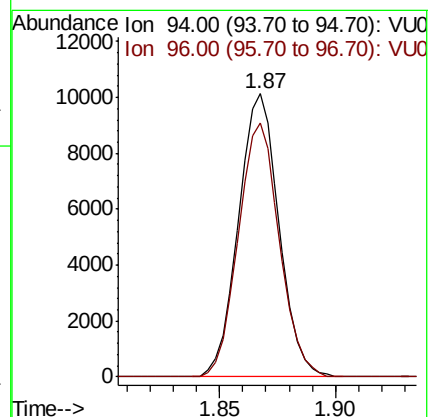
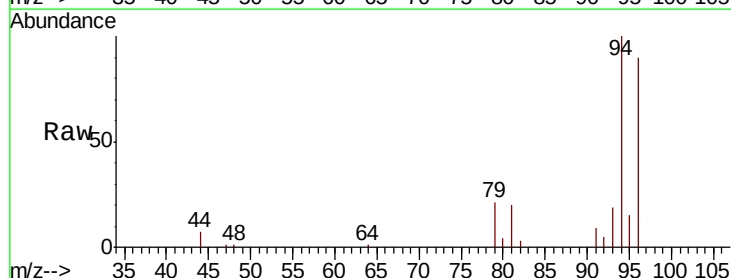
Acq: 02 Nov 2020 10:52

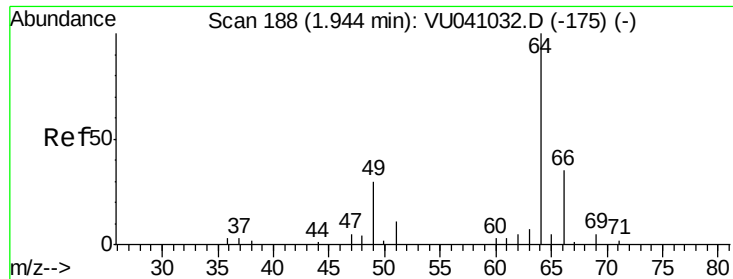
Tgt Ion: 94 Resp: 12256

Ion Ratio Lower Upper

94 100

96 89.6 63.5 117.9

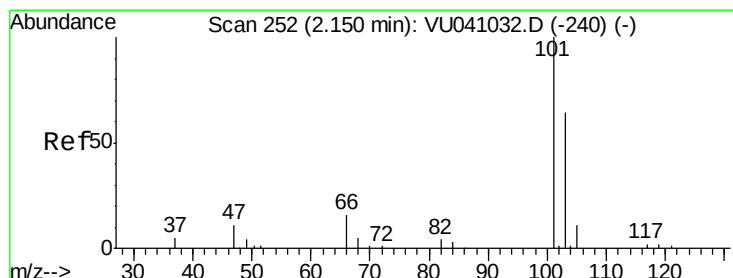
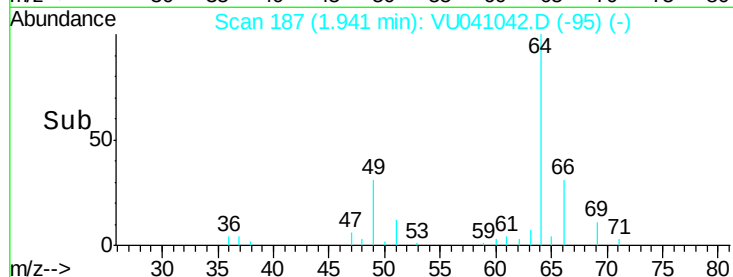
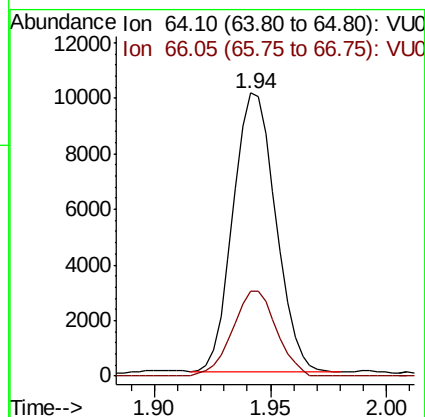
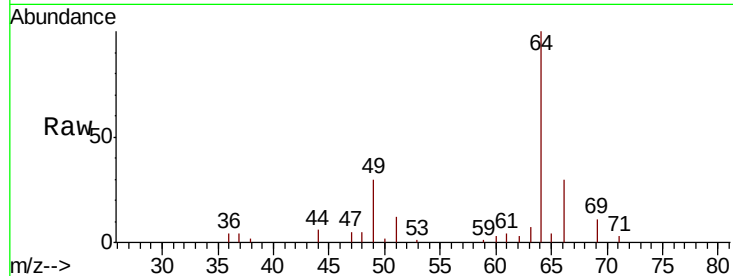




#8
Chloroethane
Concen: 3.977 ug/L
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU041042.D
Acq: 02 Nov 2020 10:52

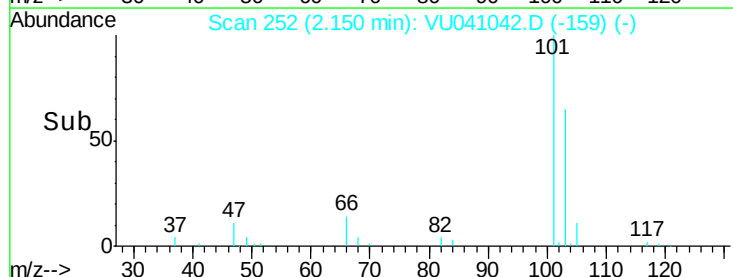
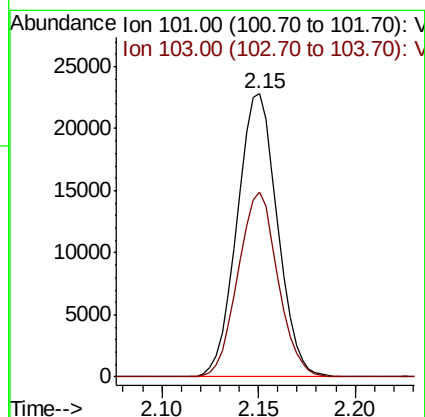
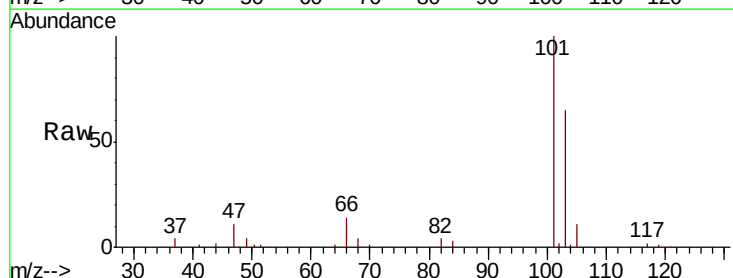
Instrument :
MSVOA_U
ClientSampleId :

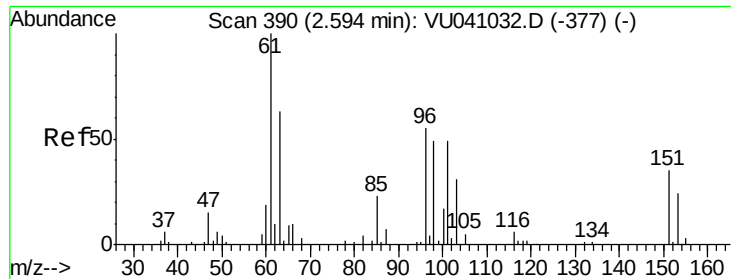
Tot Ion: 64 Resp: 12783
Ion Ratio Lower Upper
64 100
66 30.0 22.3 41.5



#9
Trichlorofluoromethane
Concen: 4.797 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU041042.D
Acq: 02 Nov 2020 10:52

Tgt Ion: 101 Resp: 33079
Ion Ratio Lower Upper
101 100
103 64.4 51.0 76.4





#10

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

Concen: 4.805 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041042.D

Acq: 02 Nov 2020 10:52

Instrument :

MSVOA_U

ClientSampled :

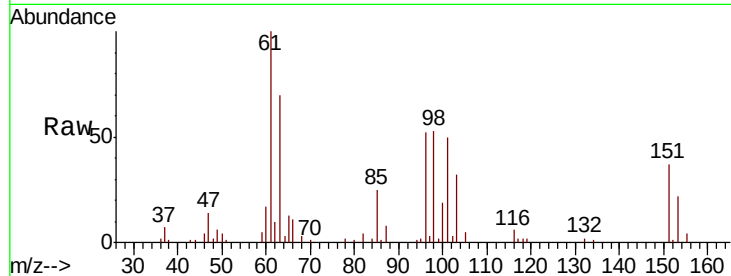
Tot Ion:101 Resp: 19417

Ion Ratio Lower Upper

101 100

85 47.8 35.0 52.4

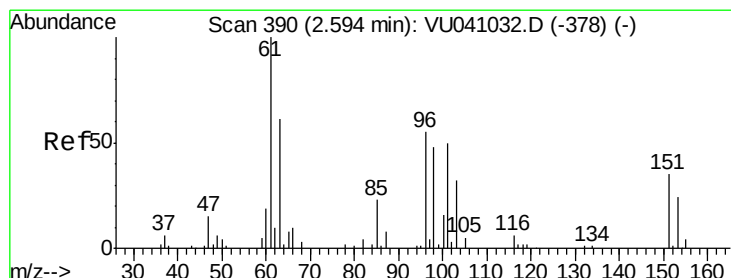
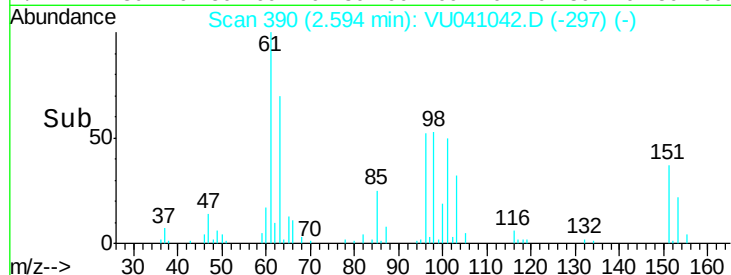
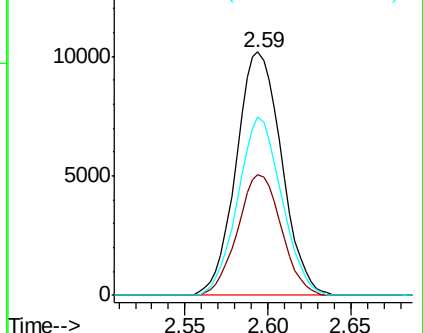
151 70.8 55.3 82.9



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: 4.403 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041042.D

Acq: 02 Nov 2020 10:52

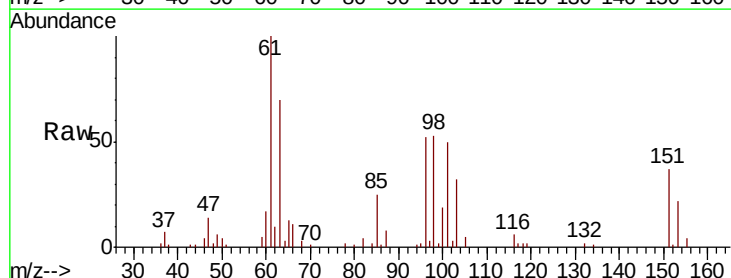
Tgt Ion: 96 Resp: 16800

Ion Ratio Lower Upper

96 100

61 194.1 134.3 249.5

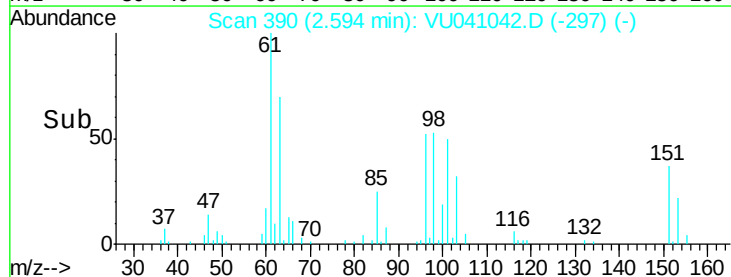
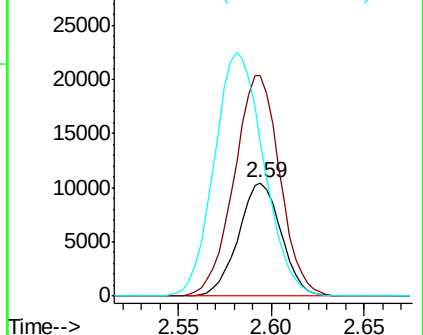
63 136.0 95.0 176.4

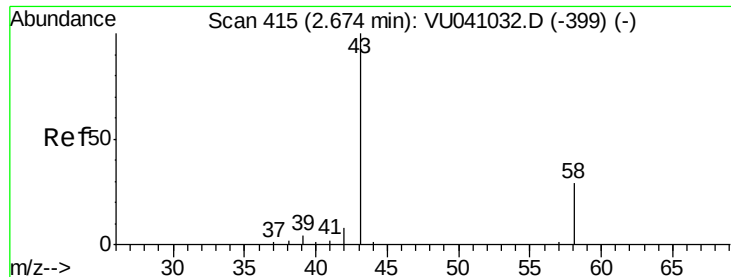


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 55.569 ug/L

RT: 2.65 min Scan# 407

Delta R.T. -0.03 min

Lab File: VU041042.D

Acq: 02 Nov 2020 10:52

Instrument :

MSVOA_U

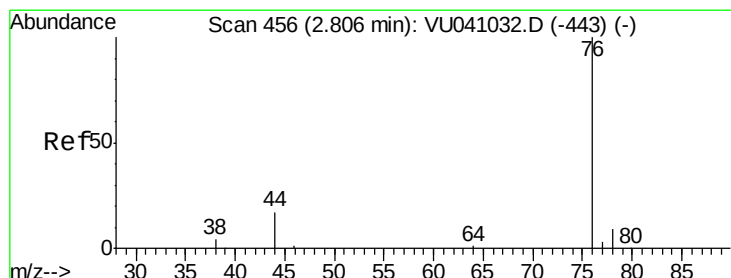
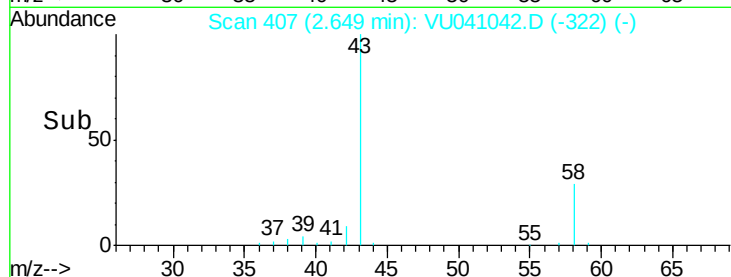
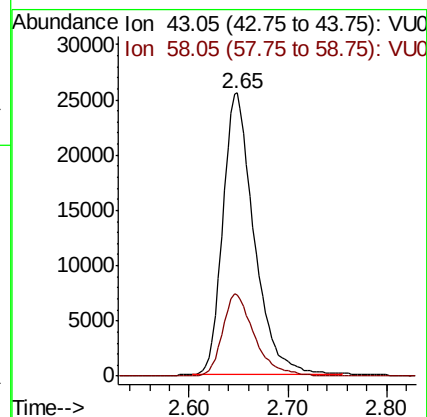
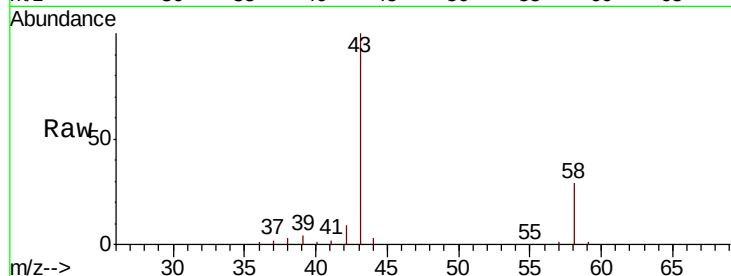
ClientSampleId :

Tot Ion: 43 Resp: 56778

Ion Ratio Lower Upper

43 100

58 29.5 0.0 25.4#



#14

Carbon disulfide

Concen: 4.281 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041042.D

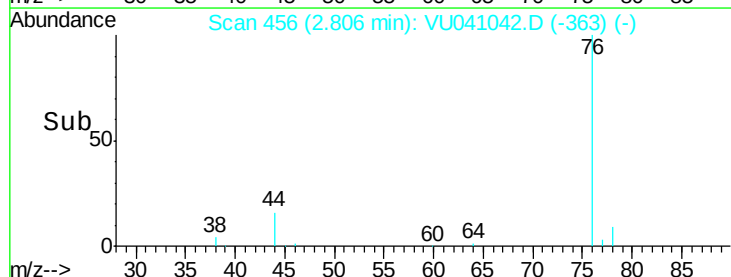
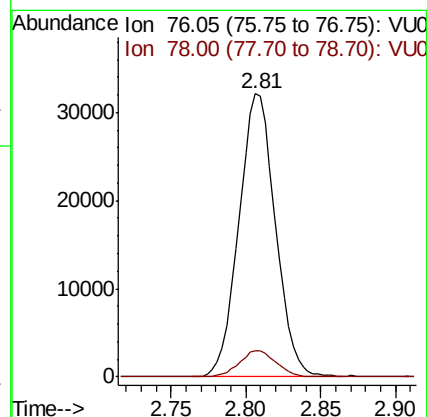
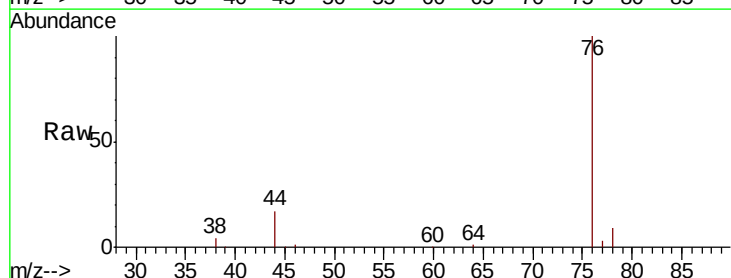
Acq: 02 Nov 2020 10:52

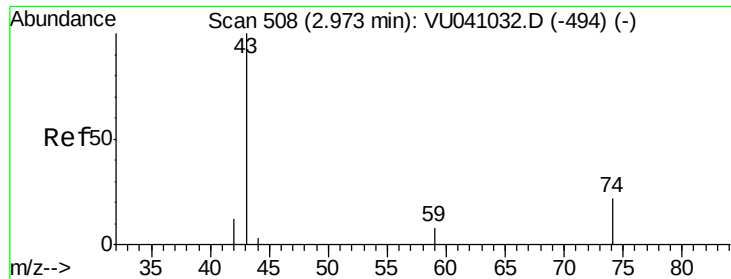
Tgt Ion: 76 Resp: 54586

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3





#15

Methvl Acetate

Concen: 5.714 ug/L

RT: 2.96 min Scan# 505

Delta R.T. -0.01 min

Lab File: VU041042.D

Acq: 02 Nov 2020 10:52

Instrument :

MSVOA_U

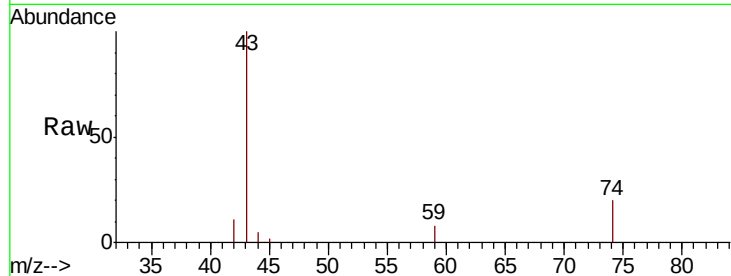
ClientSampleId :

Tot Ion: 43 Resp: 13359

Ion Ratio Lower Upper

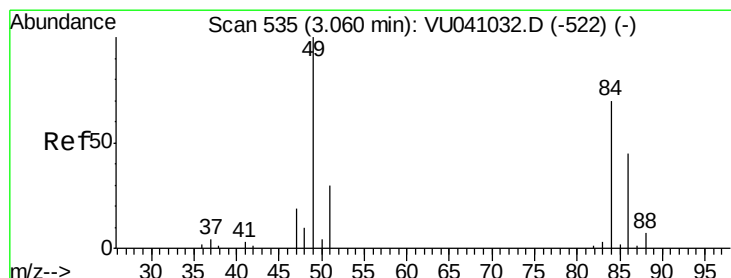
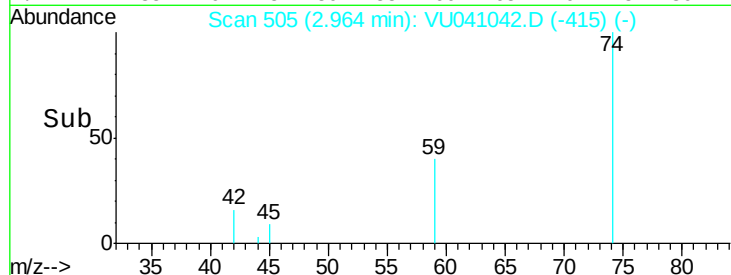
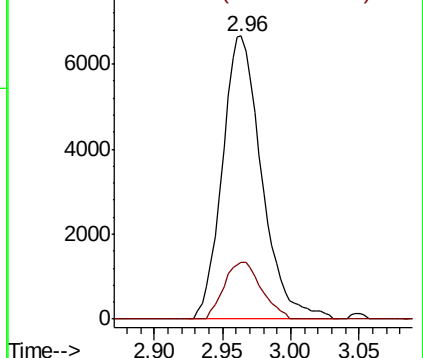
43 100

74 18.9 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: 4.737 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041042.D

Acq: 02 Nov 2020 10:52

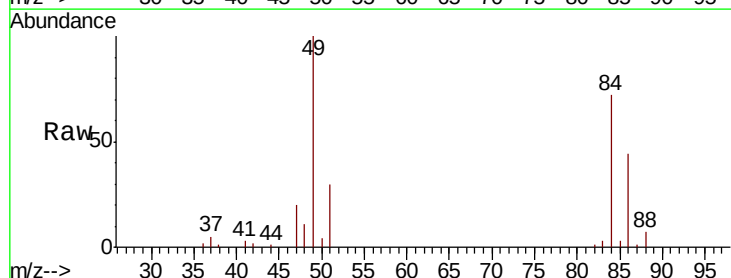
Tgt Ion: 84 Resp: 21060

Ion Ratio Lower Upper

84 100

86 60.8 42.8 79.6

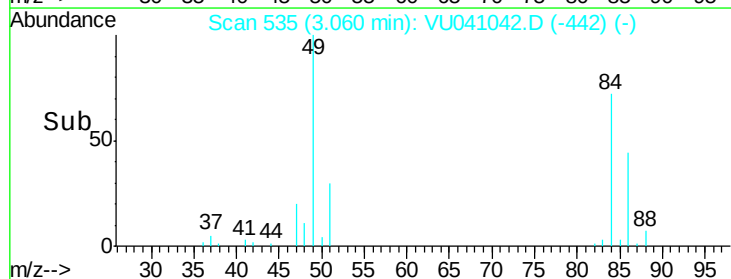
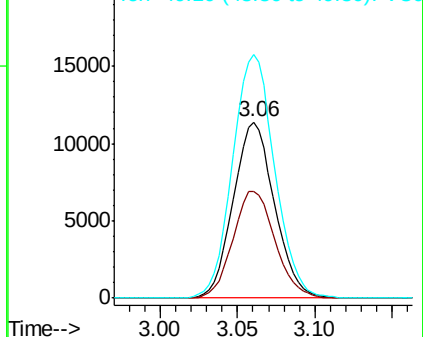
49 138.1 99.5 184.7

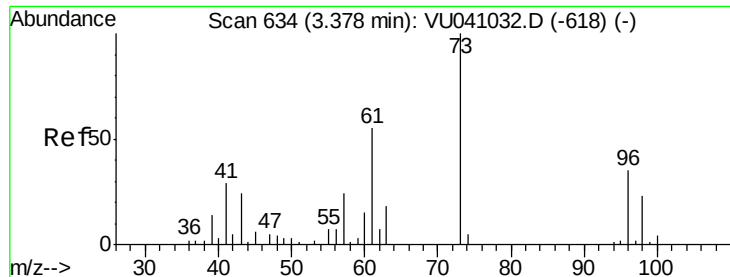


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

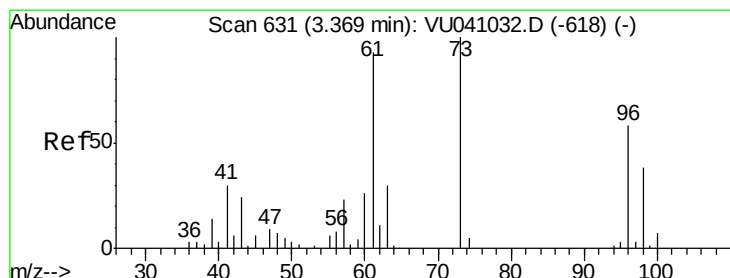
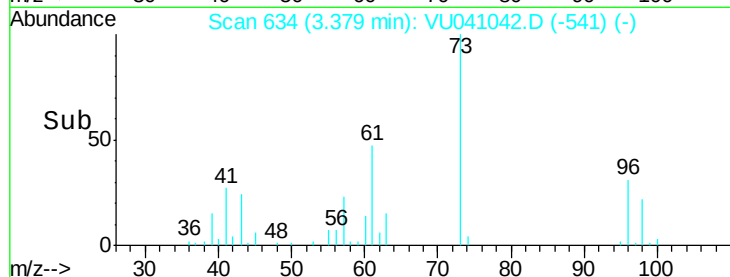
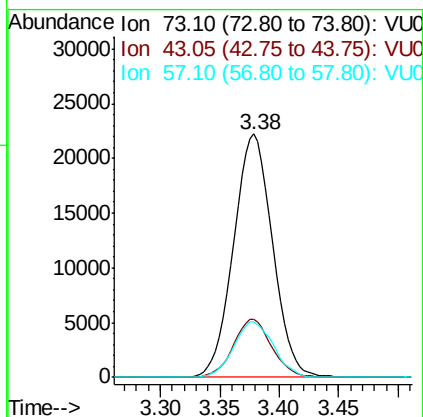
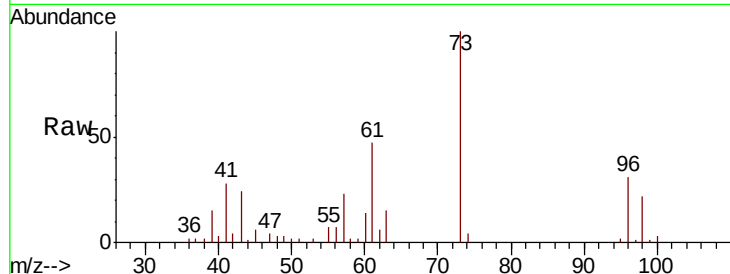




#17
Methyl tert-butyl Ether
Concen: 5.136 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU041042.D
Acq: 02 Nov 2020 10:52

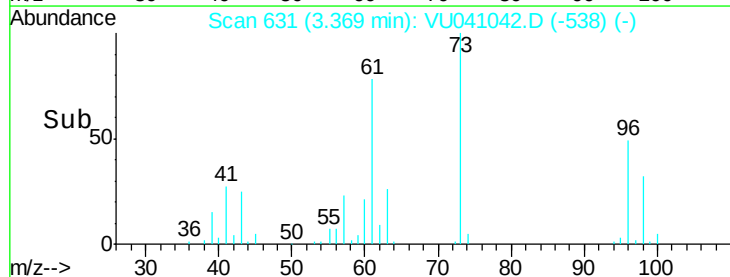
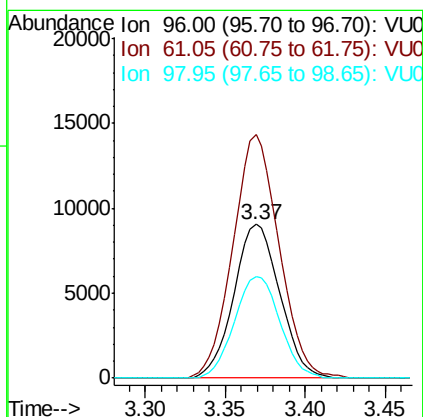
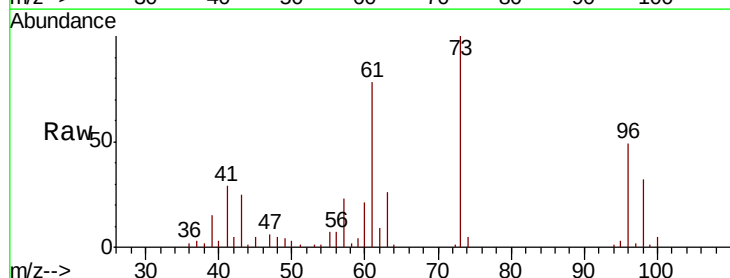
Instrument :
MSVOA_U
ClientSampled :

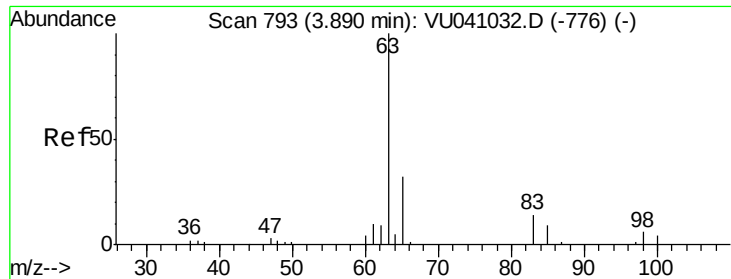
Tot Ion: 73 Resp: 50437
Ion Ratio Lower Upper
73 100
43 23.6 18.5 27.7
57 23.3 18.4 27.6



#18
trans-1,2-Dichloroethene
Concen: 4.578 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041042.D
Acq: 02 Nov 2020 10:52

Tgt Ion: 96 Resp: 17752
Ion Ratio Lower Upper
96 100
61 158.3 110.9 205.9
98 66.0 45.4 84.2

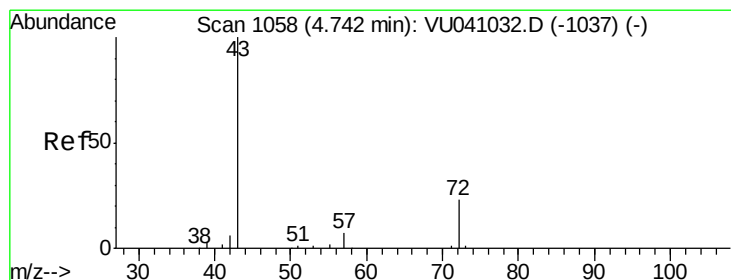
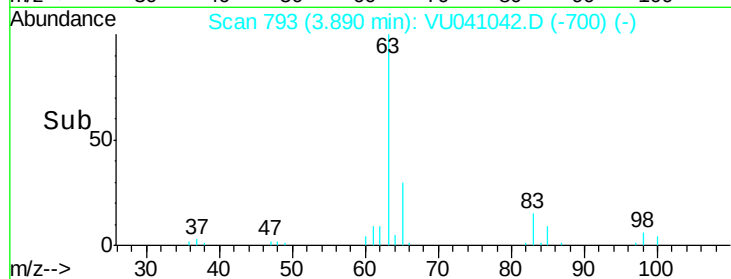
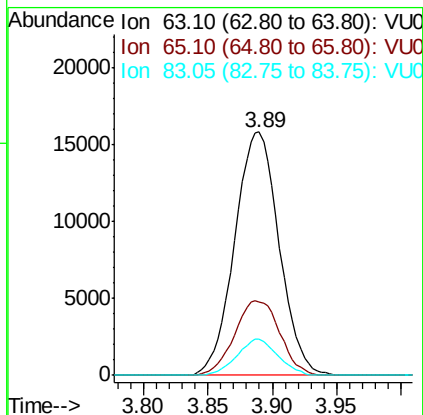
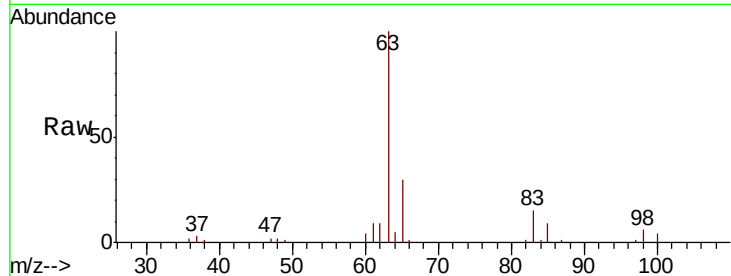




#19
 1,1-Dichloroethane
 Concen: 4.884 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU041042.D
 Acq: 02 Nov 2020 10:52

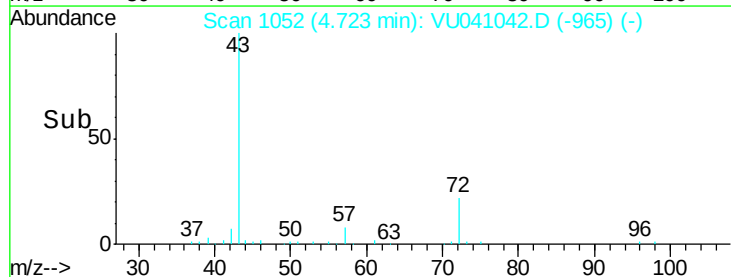
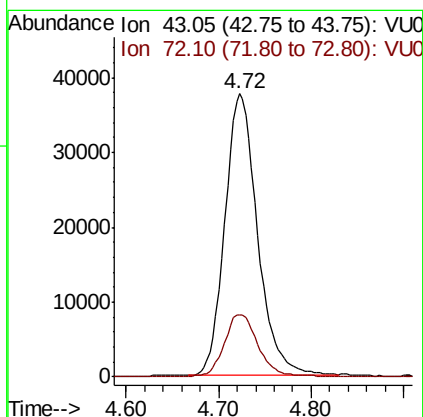
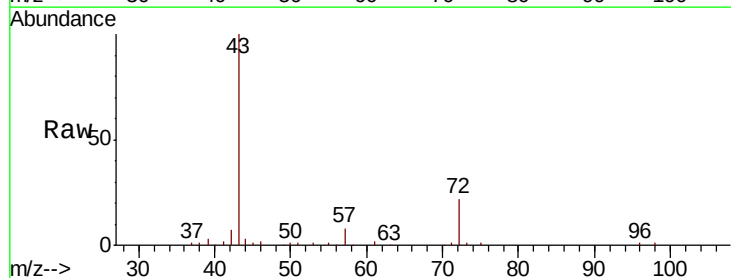
Instrument :
 MSVOA_U
 ClientSampleId :

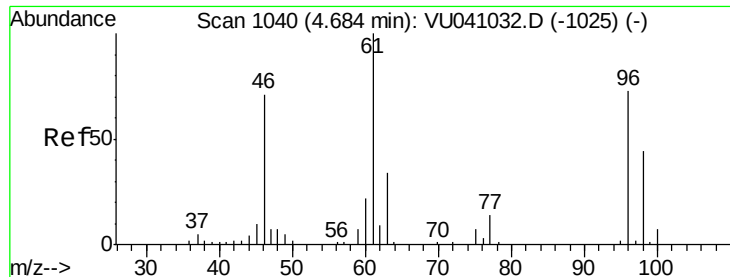
Tot Ion: 63 Resp: 37866
 Ion Ratio Lower Upper
 63 100
 65 30.2 21.3 39.6
 83 14.8 8.8 16.3



#21
 2-Butanone
 Concen: 57.679 ug/L
 RT: 4.72 min Scan# 1052
 Delta R.T. -0.02 min
 Lab File: VU041042.D
 Acq: 02 Nov 2020 10:52

Tgt Ion: 43 Resp: 92110
 Ion Ratio Lower Upper
 43 100
 72 23.1 11.8 35.4





#22

cis-1,2-Dichloroethene

Concen: 4.955 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041042.D

Acq: 02 Nov 2020 10:52

Instrument :
MSVOA_U
ClientSampled :

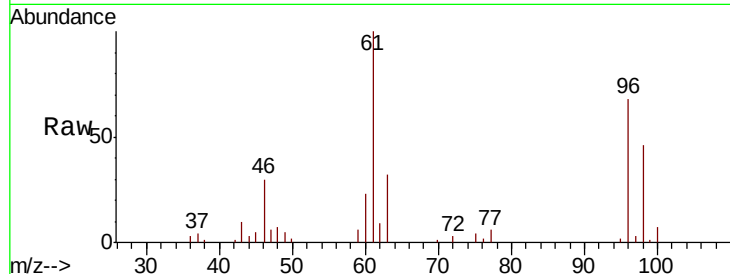
Tot Ion: 96 Resp: 19818

Ion Ratio Lower Upper

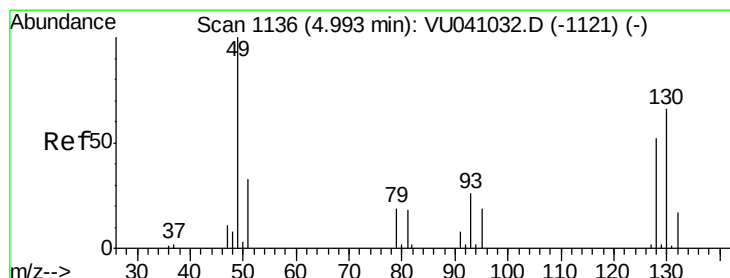
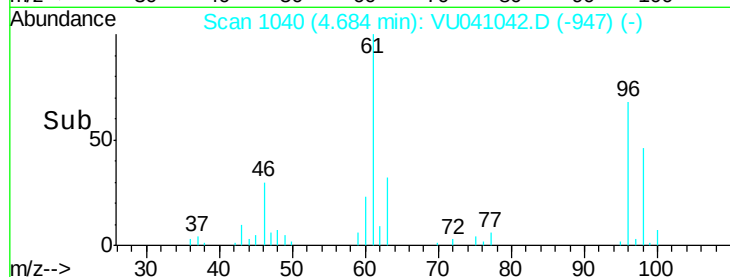
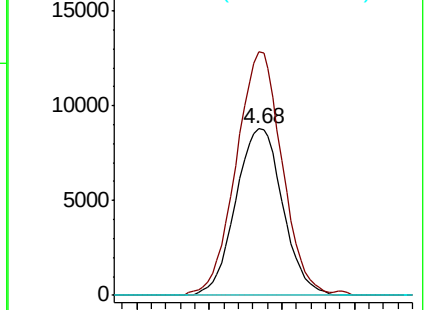
96 100

61 146.4 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: 5.279 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU041042.D

Acq: 02 Nov 2020 10:52

Tgt Ion:128 Resp: 9962

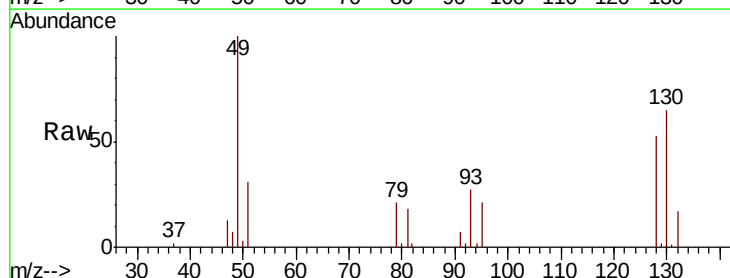
Ion Ratio Lower Upper

128 100

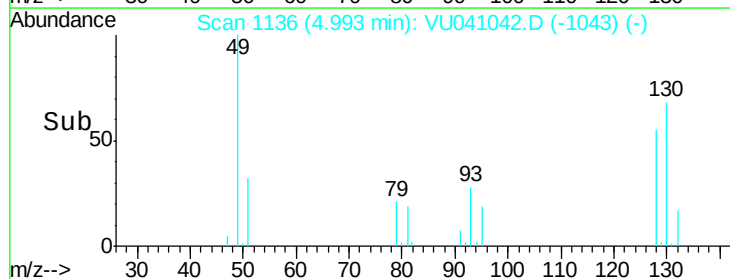
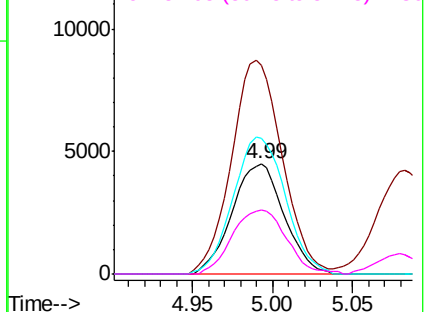
49 189.4 135.0 250.8

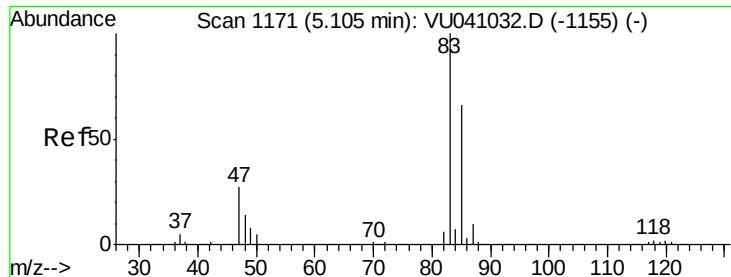
130 123.7 89.9 167.0

51 58.1 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

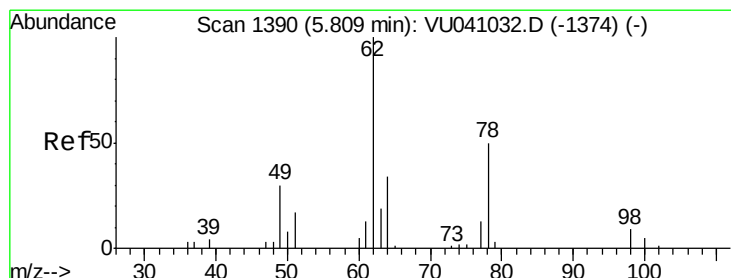
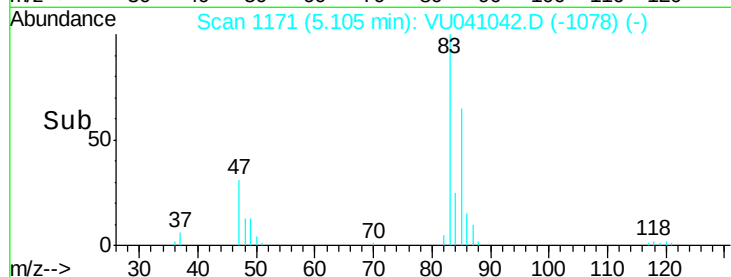
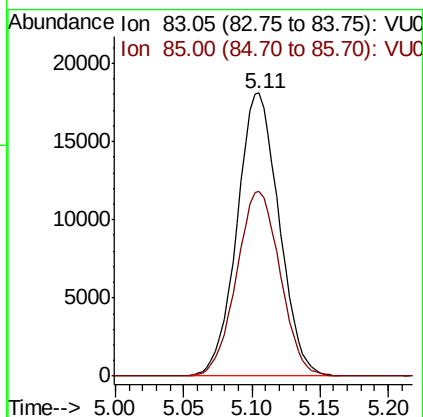
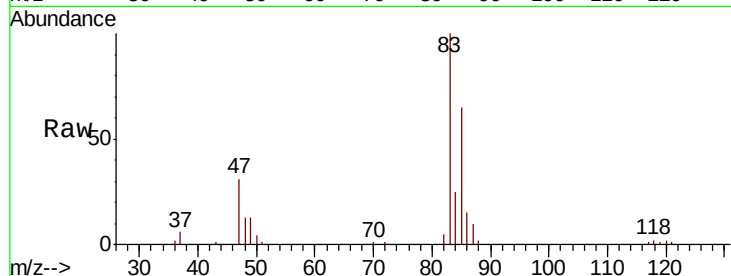




#25
Chloroform
Concen: 4.983 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041042.D
Acq: 02 Nov 2020 10:52

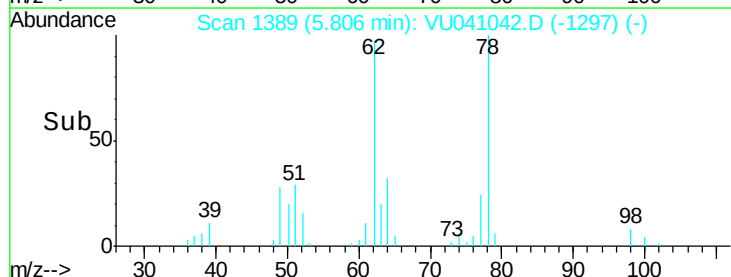
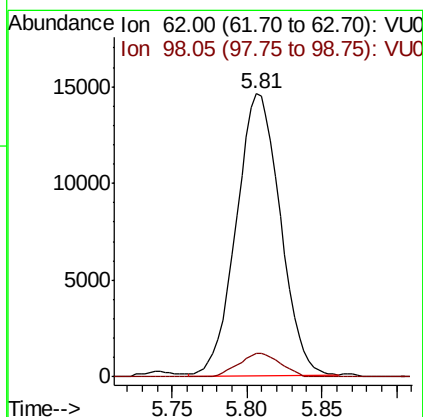
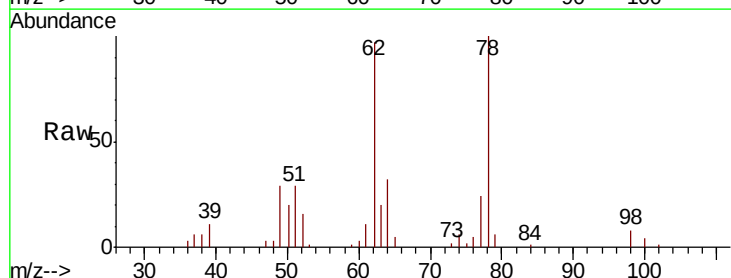
Instrument :
MSVOA_U
ClientSampleId :

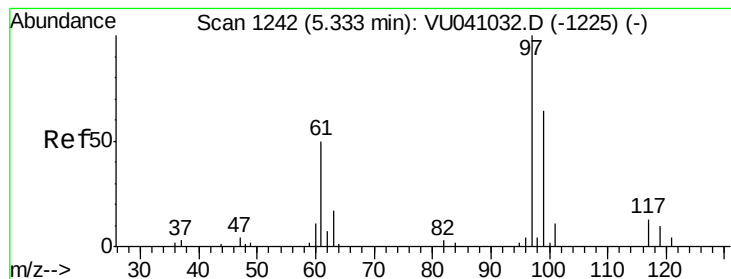
Tot Ion: 83 Resp: 38742
Ion Ratio Lower Upper
83 100
85 65.4 46.1 85.7



#27
1,2-Dichloroethane
Concen: 5.141 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU041042.D
Acq: 02 Nov 2020 10:52

Tgt Ion: 62 Resp: 29769
Ion Ratio Lower Upper
62 100
98 8.4 7.6 11.4





#29

1,1,1-Trichloroethane

Concen: 4.837 ug/L

RT: 5.33 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VU041042.D

Acq: 02 Nov 2020 10:52

Instrument :

MSVOA_U

ClientSampleId :

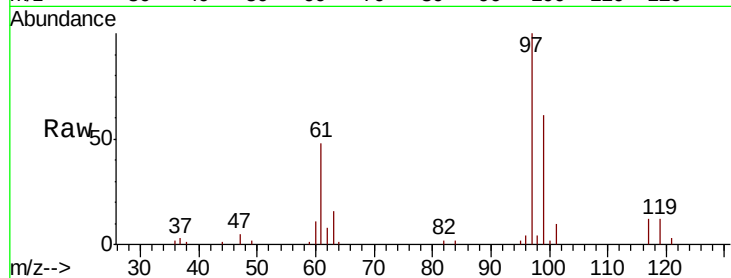
Tot Ion: 97 Resp: 32256

Ion Ratio Lower Upper

97 100

99 64.2 53.4 80.0

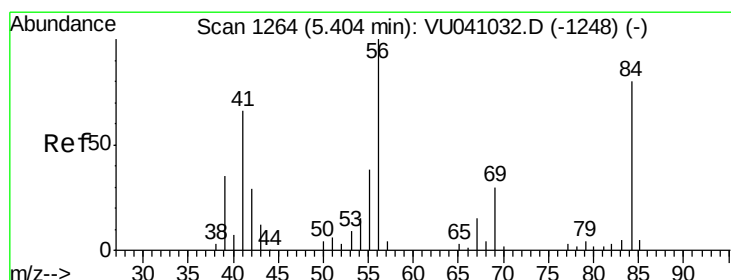
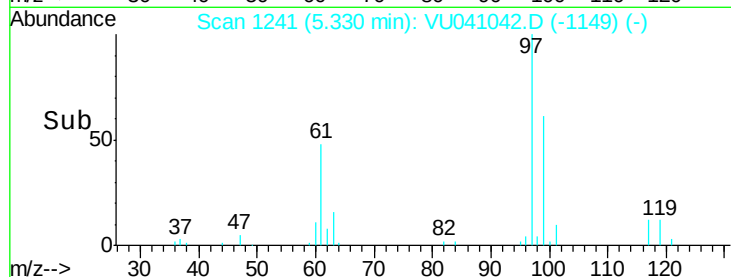
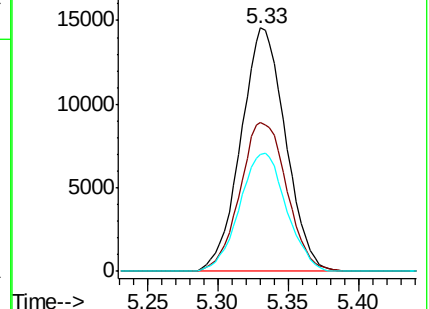
61 50.7 41.6 62.4



Abundance Ion 96.95 (96.65 to 97.65): VU041042.D (-1149) (-)

Ion 99.05 (98.75 to 99.75): VU041042.D (-1149) (-)

Ion 61.05 (60.75 to 61.75): VU041042.D (-1149) (-)



#30

Cyclohexane

Concen: 4.727 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VU041042.D

Acq: 02 Nov 2020 10:52

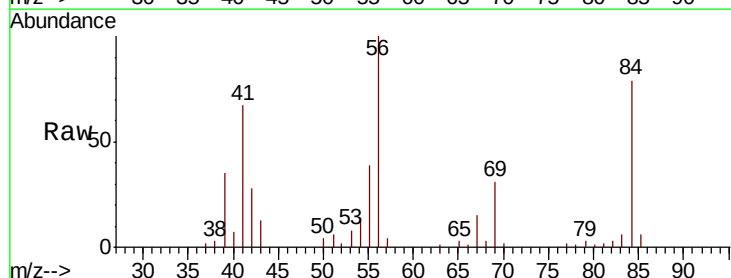
Tgt Ion: 56 Resp: 31060

Ion Ratio Lower Upper

56 100

69 29.1 22.8 34.2

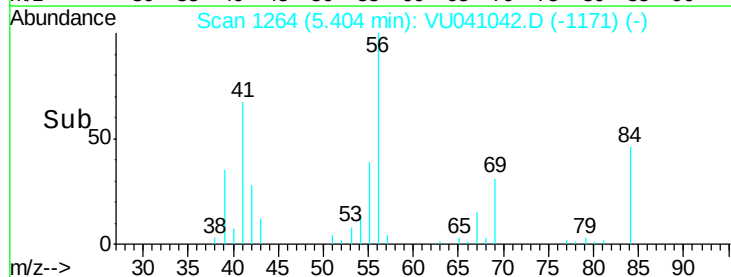
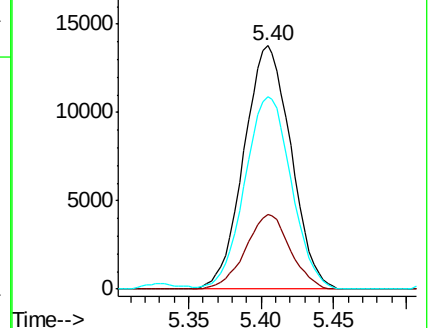
84 78.3 63.6 95.4

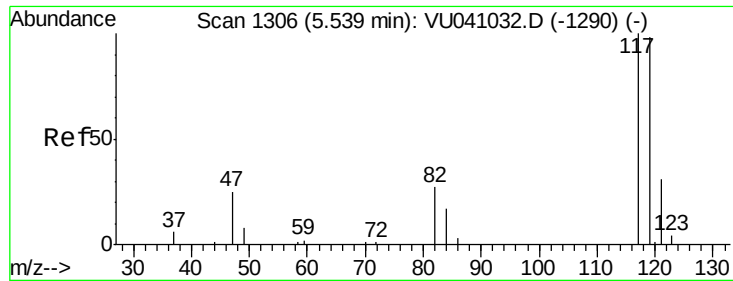


Abundance Ion 56.10 (55.80 to 56.80): VU041042.D (-1171) (-)

Ion 69.15 (68.85 to 69.85): VU041042.D (-1171) (-)

Ion 84.15 (83.85 to 84.85): VU041042.D (-1171) (-)

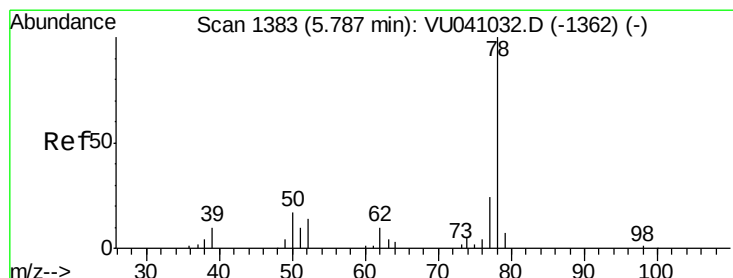
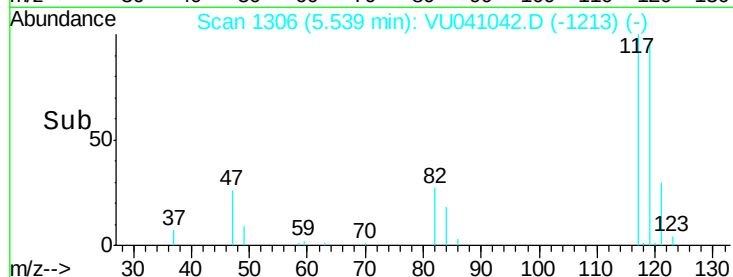
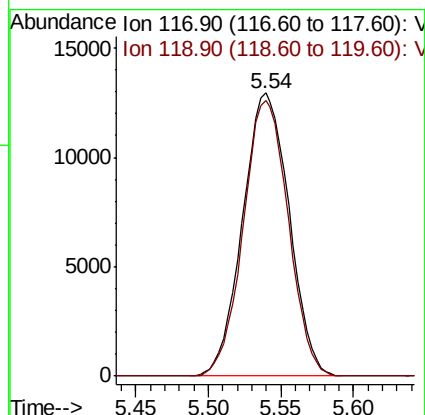
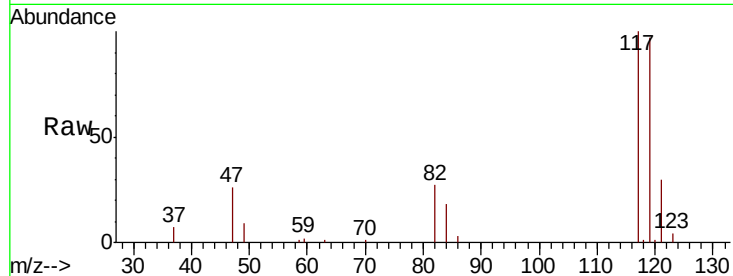




#31
Carbon tetrachloride
Concen: 4.898 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VU041042.D
Acq: 02 Nov 2020 10:52

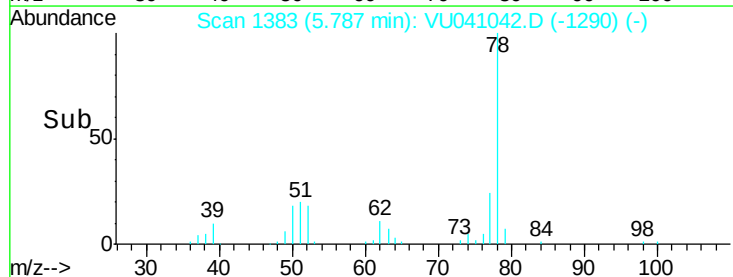
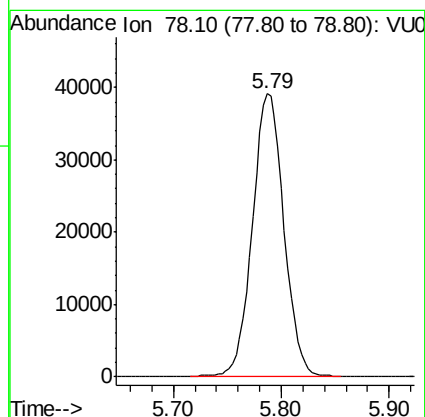
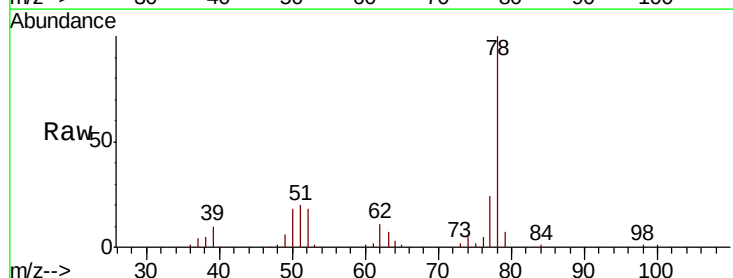
Instrument :
MSVOA_U
ClientSampleId :

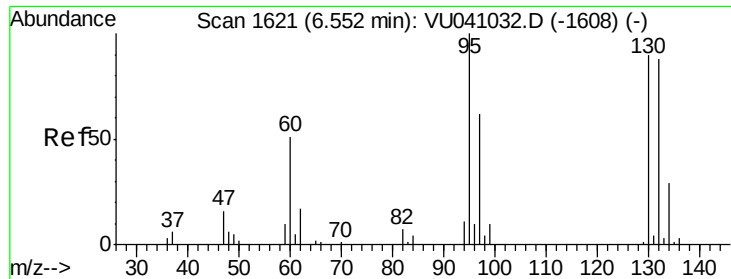
Tot Ion:117 Resp: 28923
Ion Ratio Lower Upper
117 100
119 94.1 76.1 114.1



#33
Benzene
Concen: 4.871 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VU041042.D
Acq: 02 Nov 2020 10:52

Tgt Ion: 78 Resp: 79360

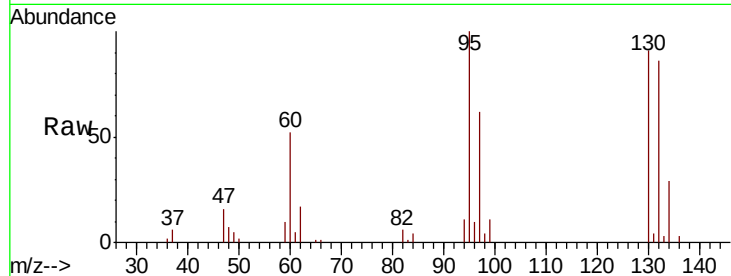




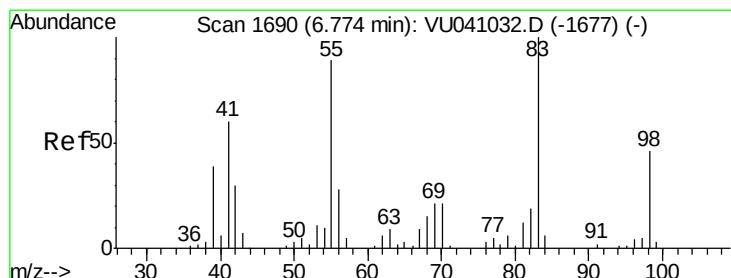
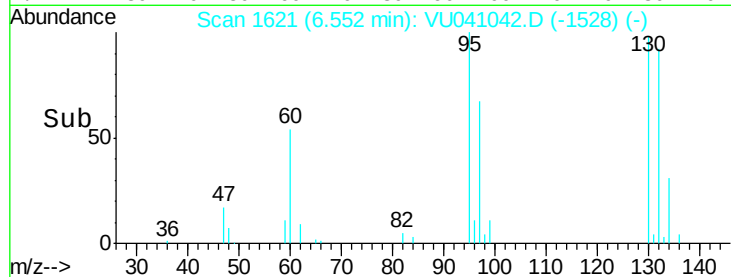
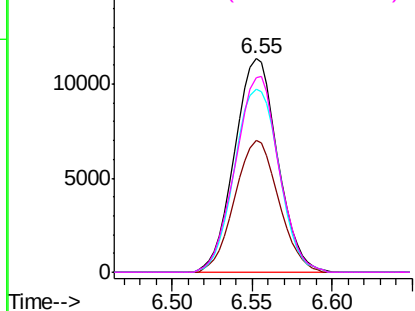
#34
 Trichloroethene
 Concen: 5.039 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041042.D
 Acq: 02 Nov 2020 10:52

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 20893
 Ion Ratio Lower Upper
 95 100
 97 61.9 45.6 84.6
 132 85.5 64.8 120.4
 130 91.4 64.8 120.4

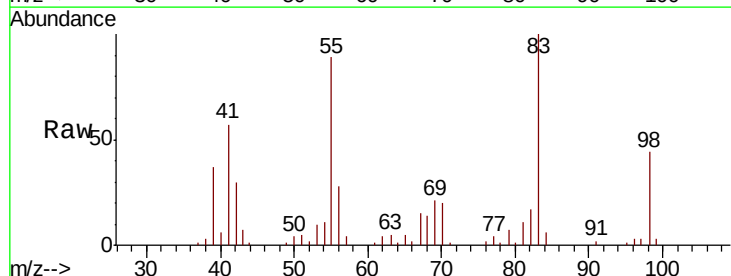


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

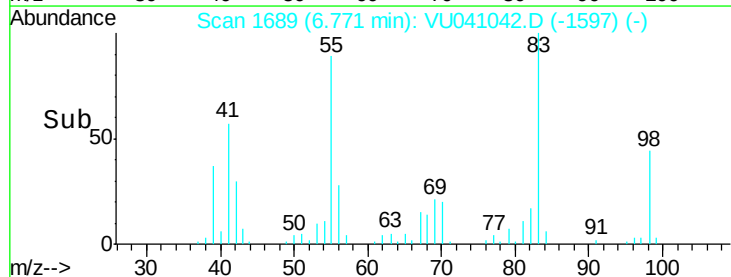
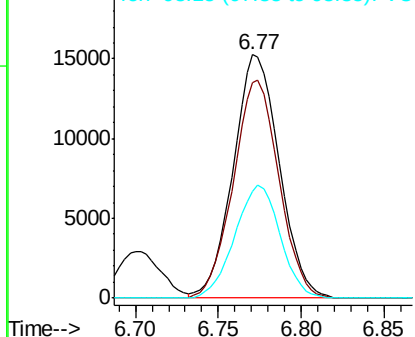


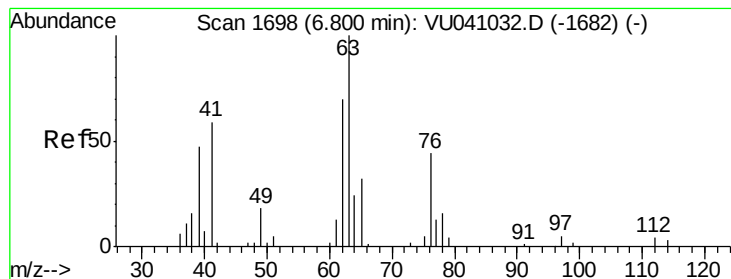
#35
 Methylcyclohexane
 Concen: 4.766 ug/L
 RT: 6.77 min Scan# 1689
 Delta R.T. -0.00 min
 Lab File: VU041042.D
 Acq: 02 Nov 2020 10:52

Tgt Ion: 83 Resp: 29474
 Ion Ratio Lower Upper
 83 100
 55 88.6 72.0 108.0
 98 45.8 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: 5.031 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VU041042.D

Acq: 02 Nov 2020 10:52

Instrument :

MSVOA_U

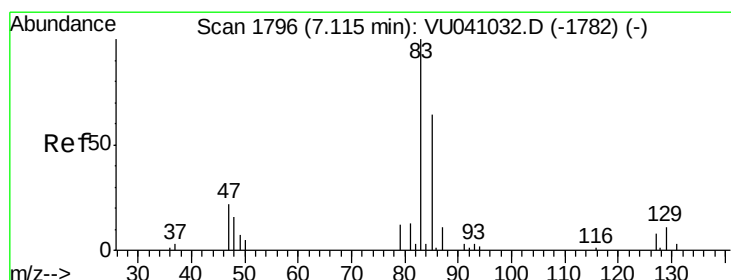
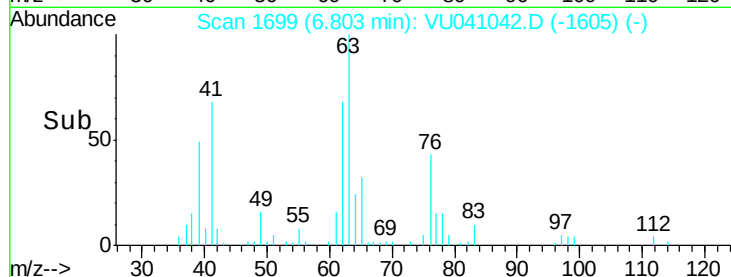
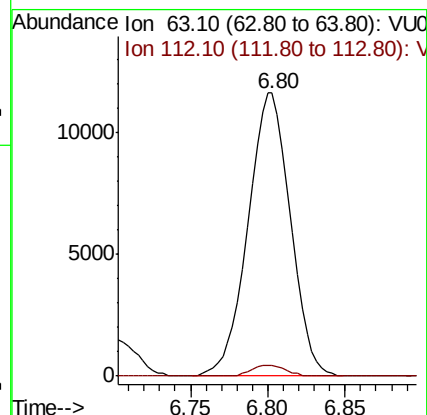
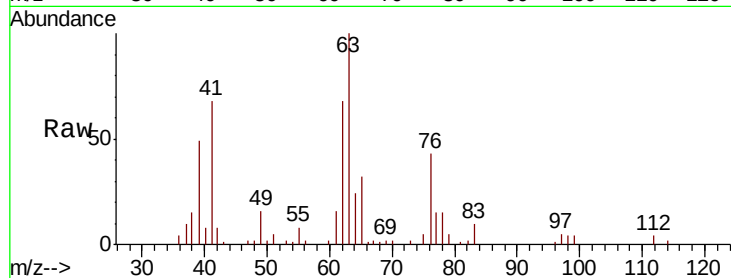
ClientSampled :

Tot Ion: 63 Resp: 22176

Ion Ratio Lower Upper

63 100

112 3.1 3.6 5.4#



#38

Bromodichloromethane

Concen: 4.882 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VU041042.D

Acq: 02 Nov 2020 10:52

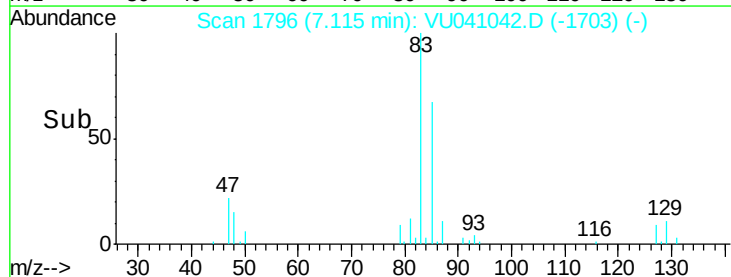
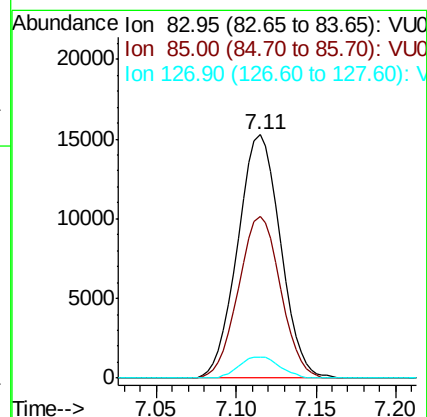
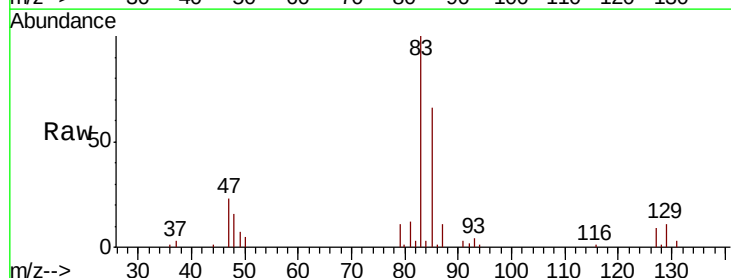
Tgt Ion: 83 Resp: 27916

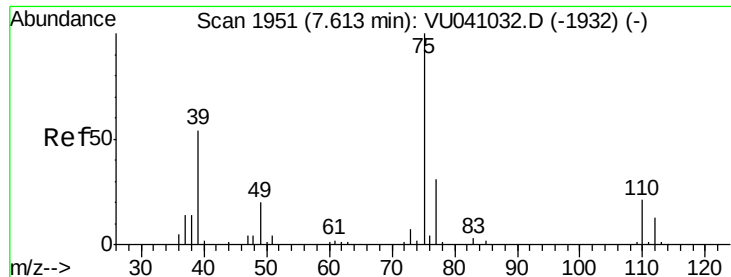
Ion Ratio Lower Upper

83 100

85 66.2 43.3 80.3

127 8.8 5.9 8.9

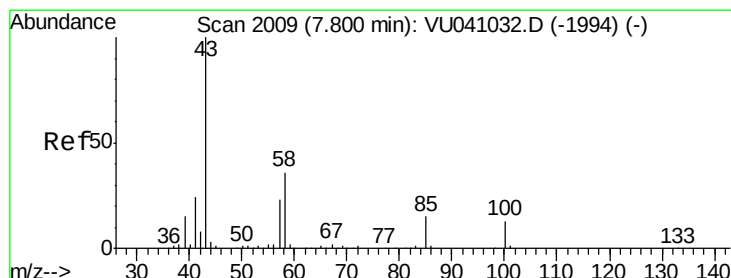
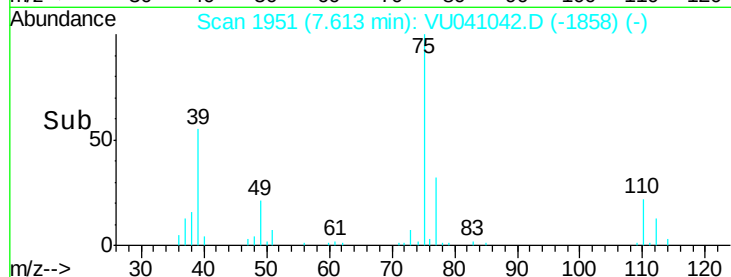
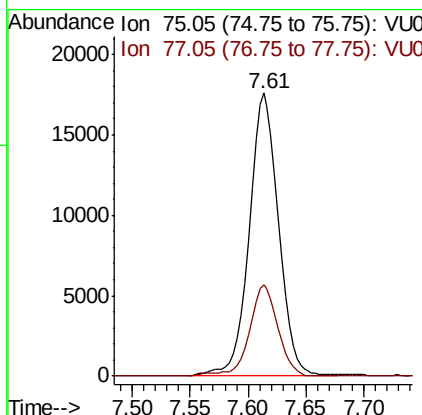
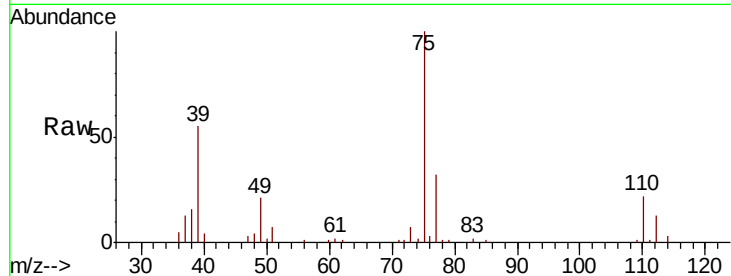




#39
 cis-1,3-Dichloropropene
 Concen: 5.158 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041042.D
 Acq: 02 Nov 2020 10:52

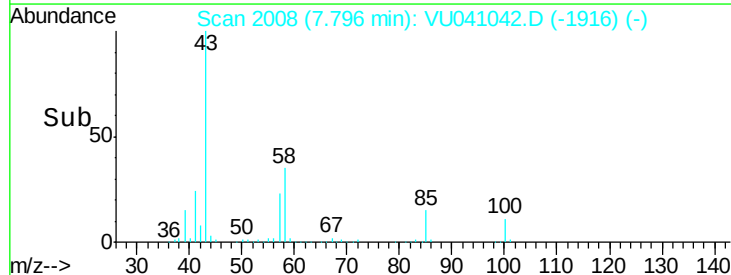
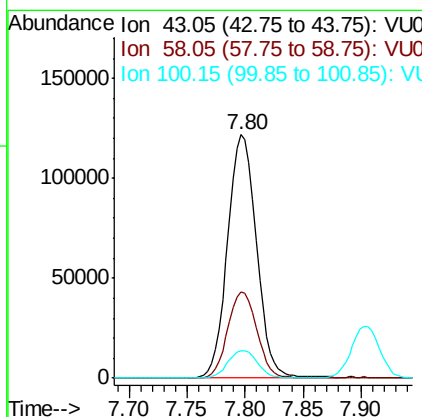
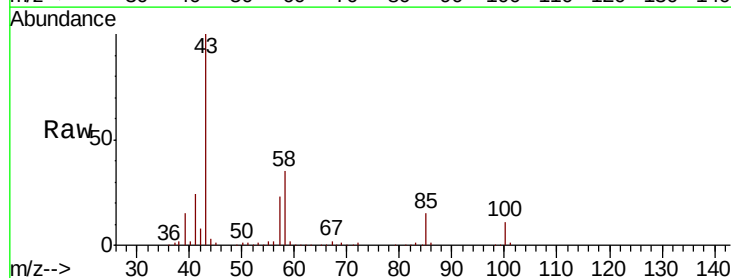
Instrument :
 MSVOA_U
 ClientSampleId :

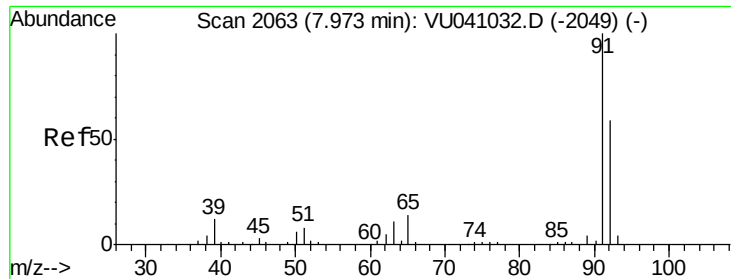
Tot Ion: 75 Resp: 31305
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 60.143 ug/L
 RT: 7.80 min Scan# 2008
 Delta R.T. -0.00 min
 Lab File: VU041042.D
 Acq: 02 Nov 2020 10:52

Tgt Ion: 43 Resp: 211393
 Ion Ratio Lower Upper
 43 100
 58 35.6 29.8 44.6
 100 11.7 10.5 15.7





#42

Toluene

Concen: 5.047 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041042.D

Acq: 02 Nov 2020 10:52

Instrument :

MSVOA_U

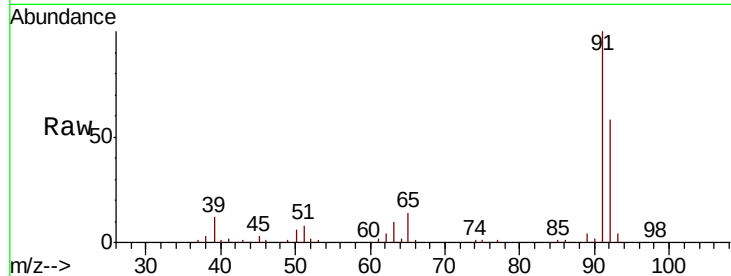
ClientSampled :

Tot Ion: 91 Resp: 83376

Ion Ratio Lower Upper

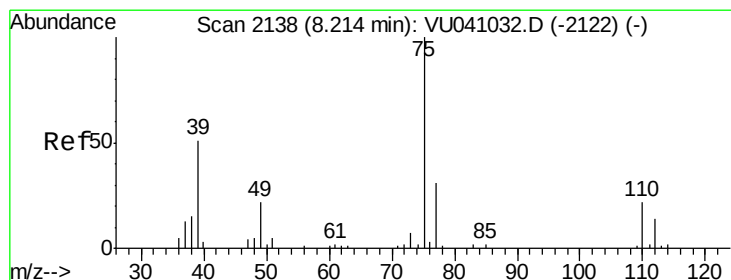
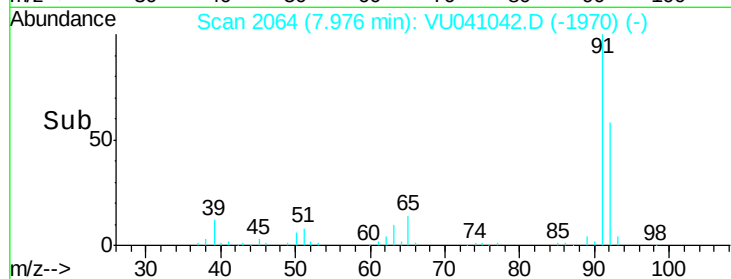
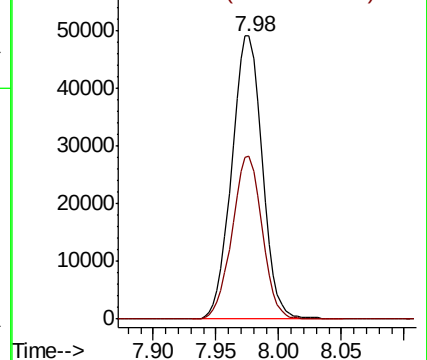
91 100

92 57.5 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: 5.335 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041042.D

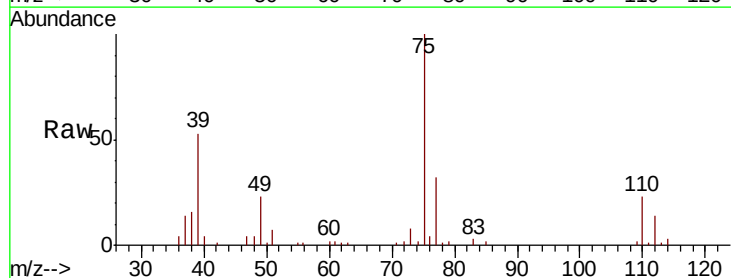
Acq: 02 Nov 2020 10:52

Tgt Ion: 75 Resp: 30302

Ion Ratio Lower Upper

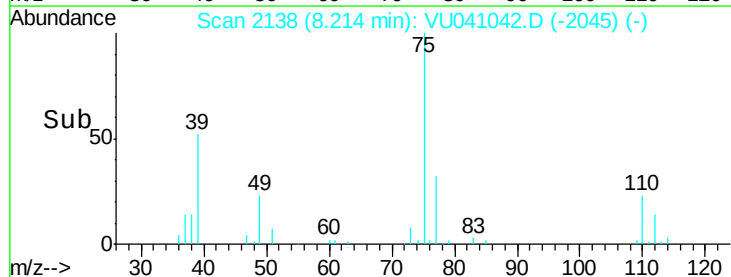
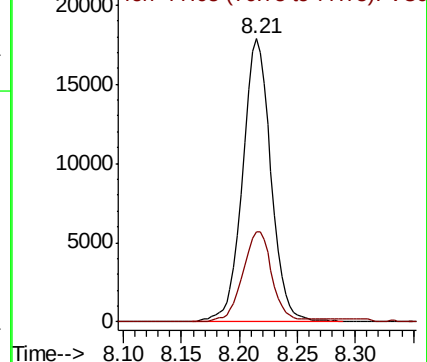
75 100

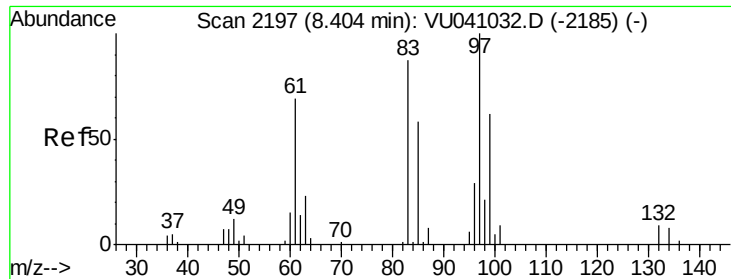
77 31.9 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

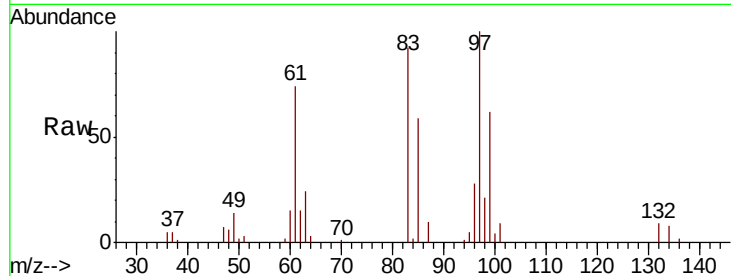




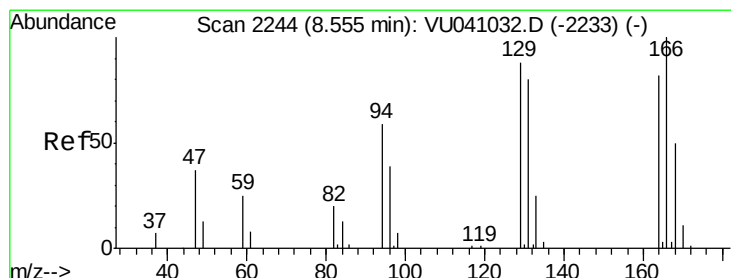
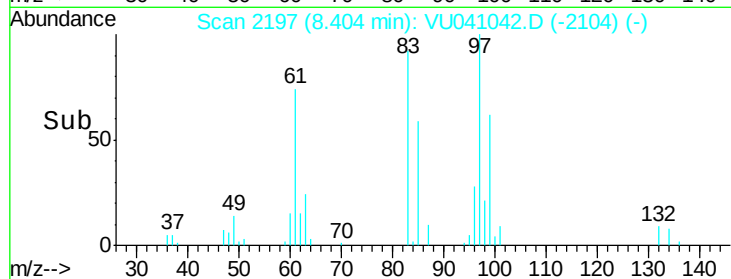
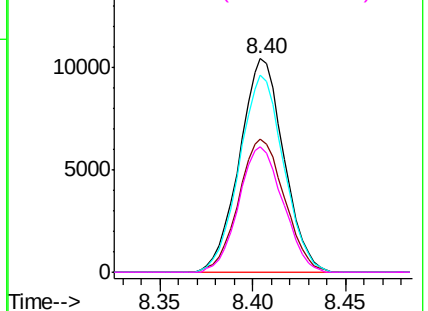
#45
1,1,2-Trichloroethane
Concen: 5.261 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VU041042.D
Acq: 02 Nov 2020 10:52

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	17265
Ion	Ratio	Lower	Upper
97	100		
99	62.0	45.8	85.2
83	92.3	67.9	126.1
85	58.8	42.8	79.6

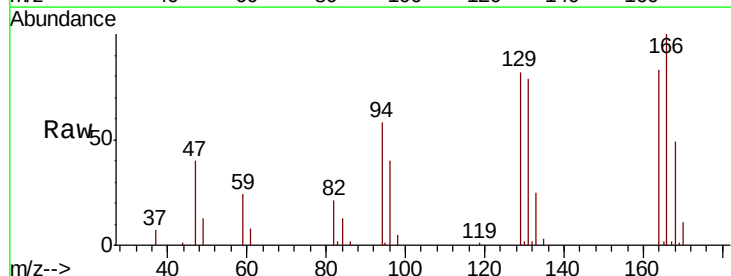


Abundance Ion 96.95 (96.65 to 97.65): VU041042.D (-2104) (-)
Ion 99.05 (98.75 to 99.75): VU041042.D (-2104) (-)
Ion 82.95 (82.65 to 83.65): VU041042.D (-2104) (-)
Ion 85.00 (84.70 to 85.70): VU041042.D (-2104) (-)

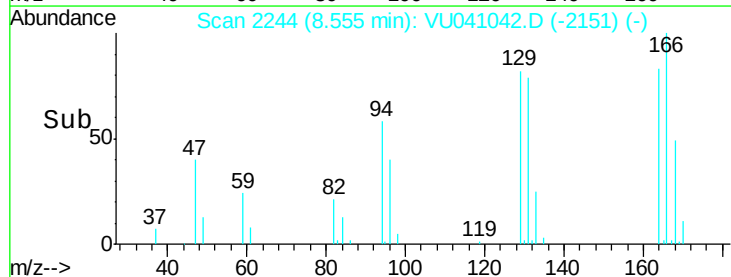
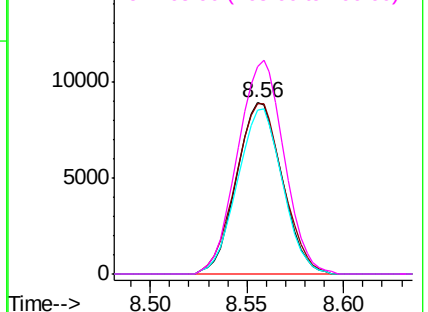


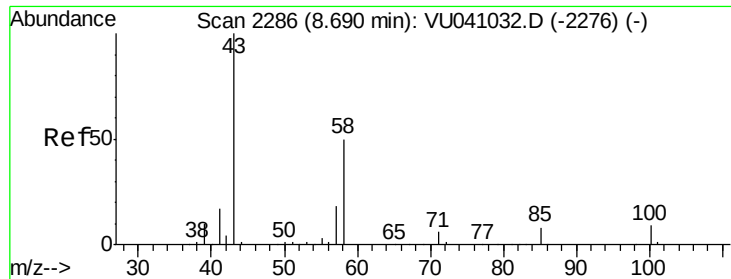
#47
Tetrachloroethene
Concen: 4.755 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VU041042.D
Acq: 02 Nov 2020 10:52

Tgt Ion:	164	Resp:	14495
Ion	Ratio	Lower	Upper
164	100		
129	99.4	70.3	130.7
131	95.9	70.8	131.4
166	120.8	92.0	170.8



Abundance Ion 163.90 (163.60 to 164.60): VU041042.D (-2151) (-)
Ion 128.95 (128.65 to 129.65): VU041042.D (-2151) (-)
Ion 130.95 (130.65 to 131.65): VU041042.D (-2151) (-)
Ion 165.90 (165.60 to 166.60): VU041042.D (-2151) (-)

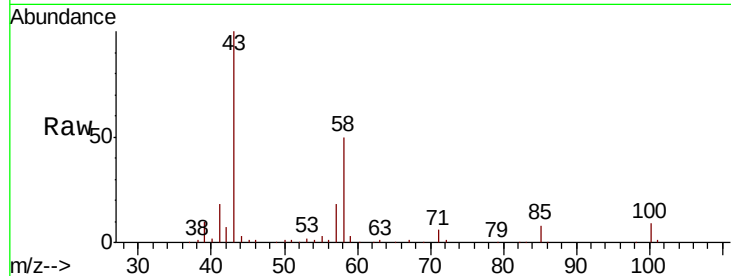




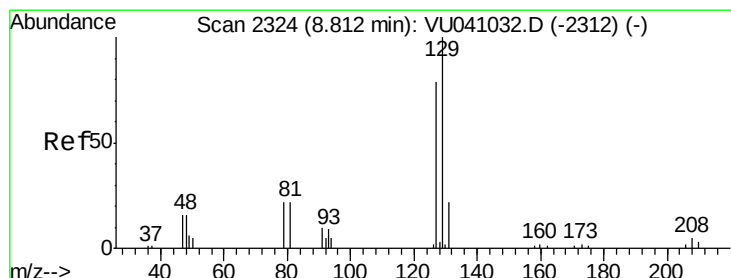
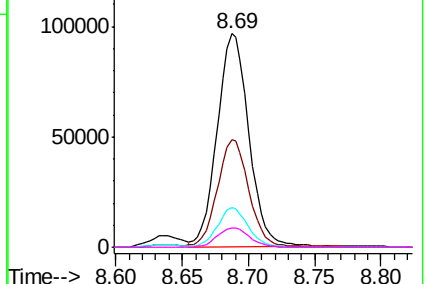
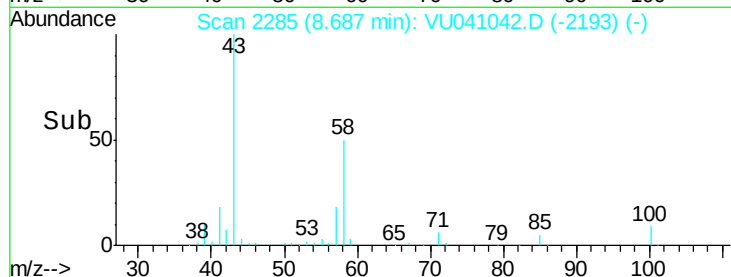
#48
2-Hexanone
Concen: 60.395 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VU041042.D
Acq: 02 Nov 2020 10:52

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	43	Resp:	159841
Ion	Ratio	Lower	Upper
43	100		
58	49.8	41.4	62.2
57	18.0	14.6	21.8
100	9.2	8.3	12.5

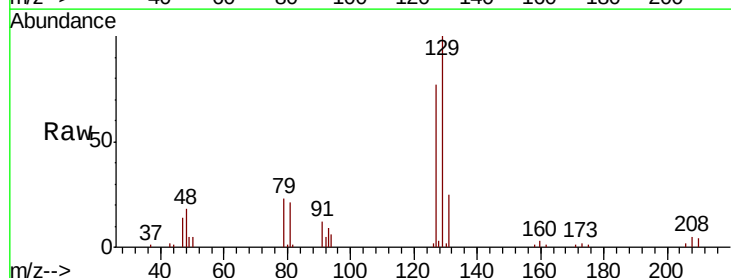


Abundance Ion 43.05 (42.75 to 43.75): VU041042.D (-2193) (-)
Ion 58.05 (57.75 to 58.75): VU041042.D (-2193) (-)
Ion 57.20 (56.90 to 57.90): VU041042.D (-2193) (-)
Ion 100.15 (99.85 to 100.85): VU041042.D (-2193) (-)

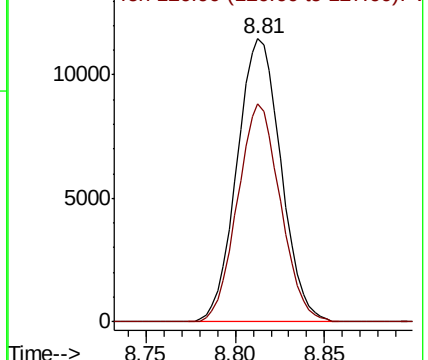
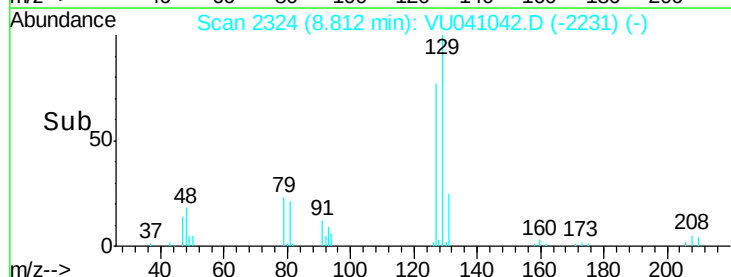


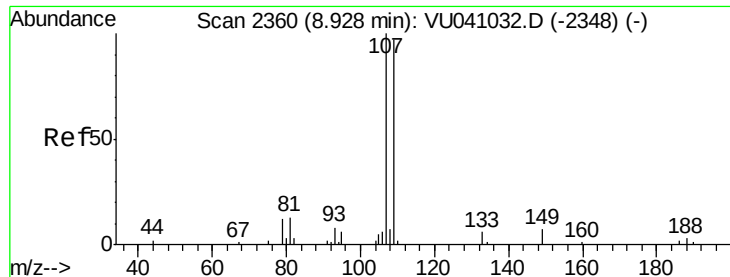
#49
Dibromochloromethane
Concen: 5.191 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU041042.D
Acq: 02 Nov 2020 10:52

Tgt Ion:	129	Resp:	19782
Ion	Ratio	Lower	Upper
129	100		
127	77.1	53.4	99.2



Abundance Ion 128.95 (128.65 to 129.65): VU041042.D (-2231) (-)
Ion 126.90 (126.60 to 127.60): VU041042.D (-2231) (-)





#50

1,2-Dibromoethane

Concen: 5.280 ug/L

RT: 8.93 min Scan# 2359

Delta R.T. -0.00 min

Lab File: VU041042.D

Acq: 02 Nov 2020 10:52

Instrument :

MSVOA_U

ClientSampleId :

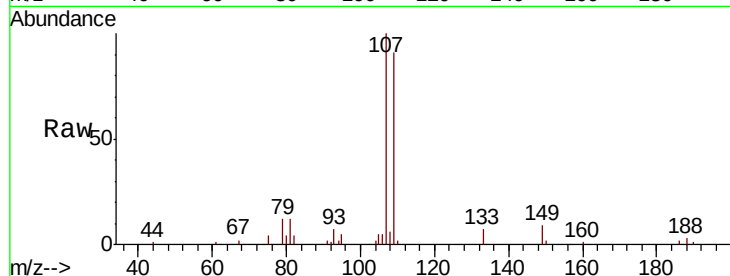
Tot Ion:107 Resp: 16512

Ion Ratio Lower Upper

107 100

109 90.8 65.6 121.8

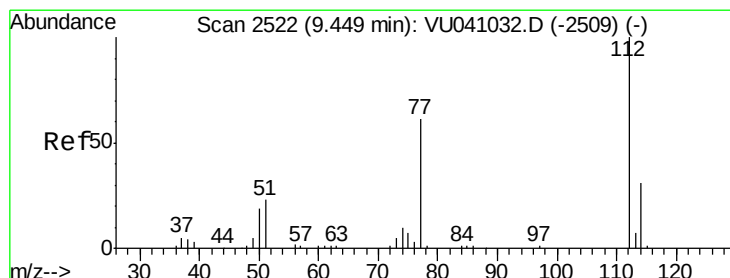
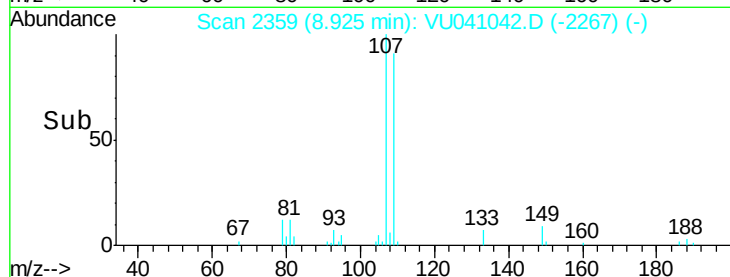
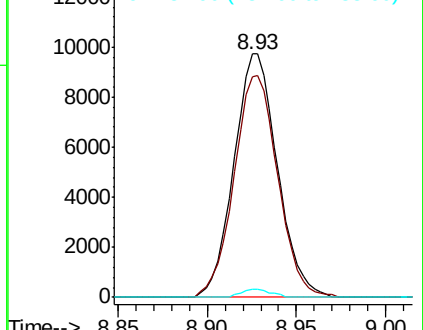
188 3.3 2.9 4.3



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: 4.795 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU041042.D

Acq: 02 Nov 2020 10:52

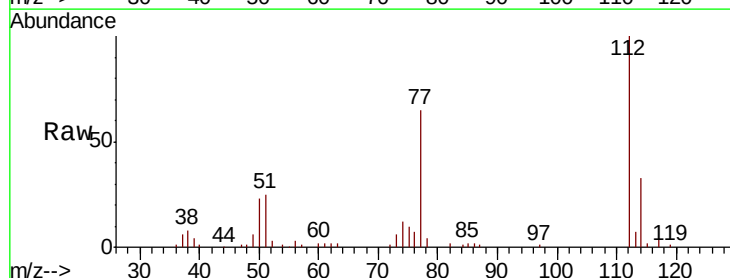
Tgt Ion:112 Resp: 50230

Ion Ratio Lower Upper

112 100

114 32.6 22.4 41.6

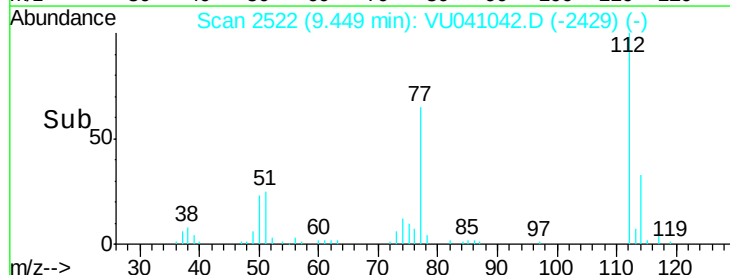
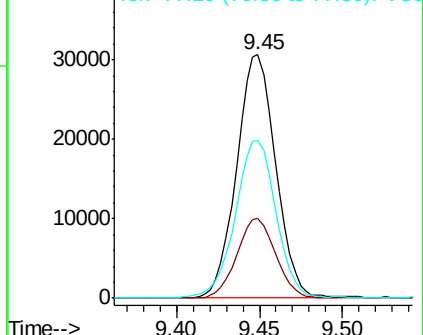
77 64.9 51.2 76.8

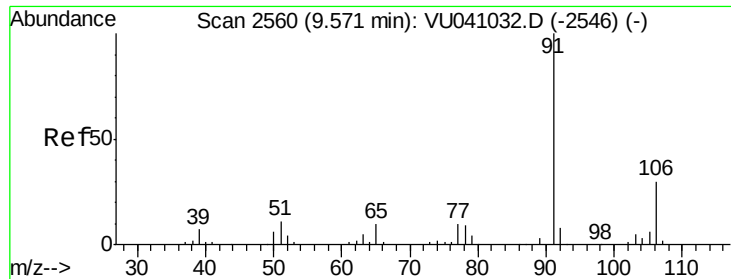


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0





#52

Ethylbenzene

Concen: 5.039 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041042.D

Acq: 02 Nov 2020 10:52

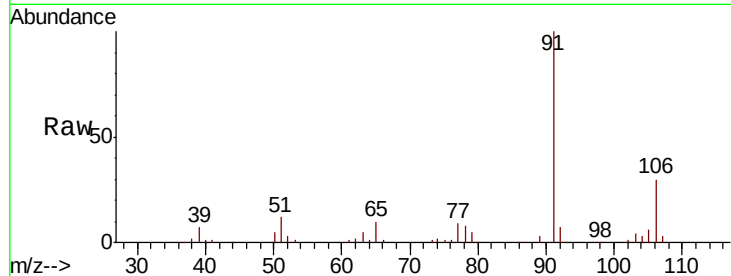
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 87616

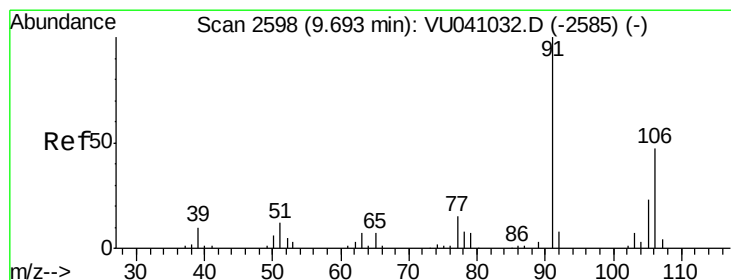
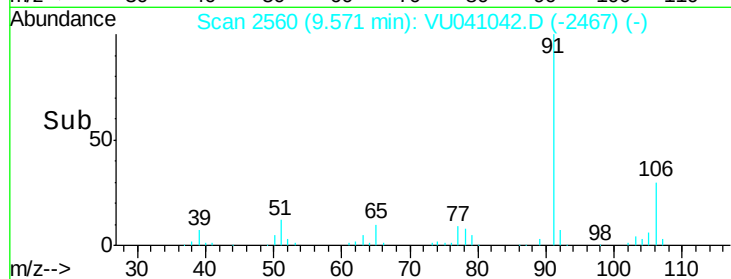
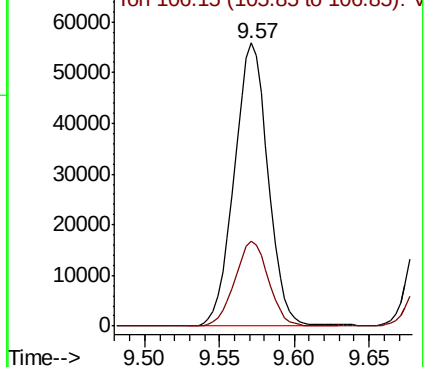
Ion Ratio Lower Upper

91 100

106 29.8 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU041032.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.152 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041042.D

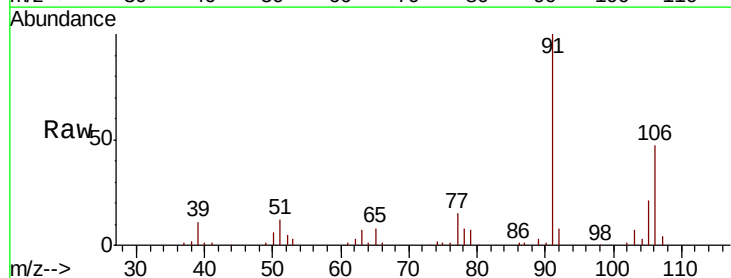
Acq: 02 Nov 2020 10:52

Tgt Ion: 106 Resp: 32671

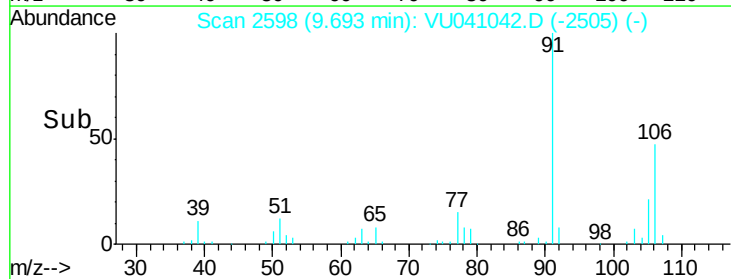
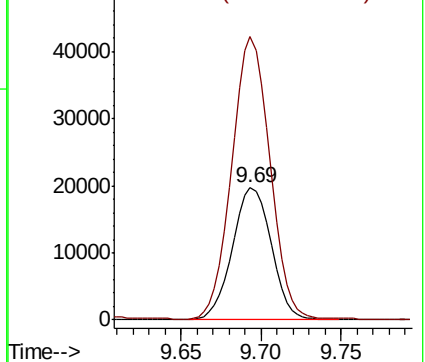
Ion Ratio Lower Upper

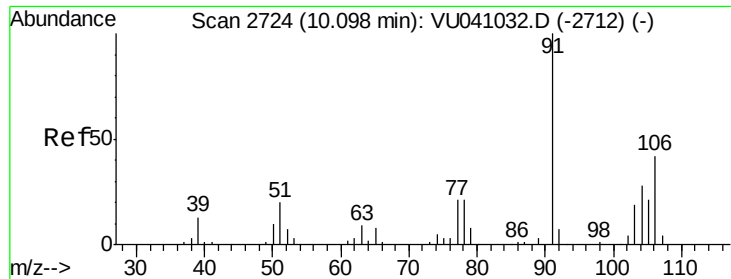
106 100

91 214.9 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): VU041032.D (-2585) (-)

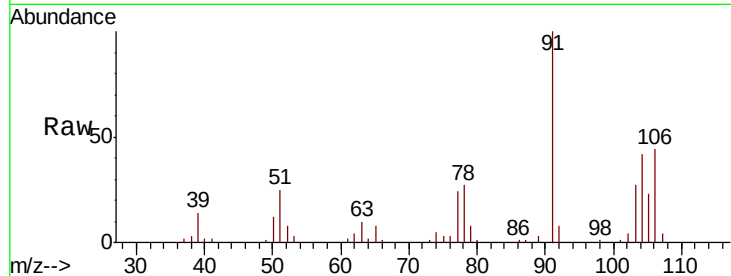




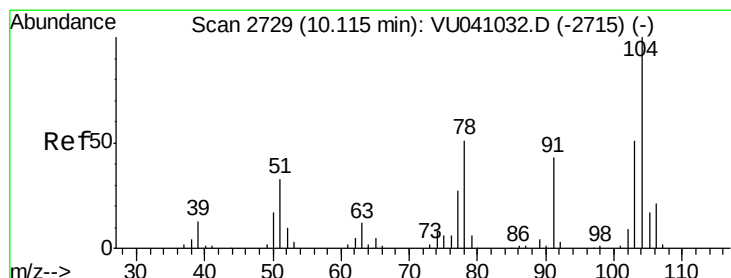
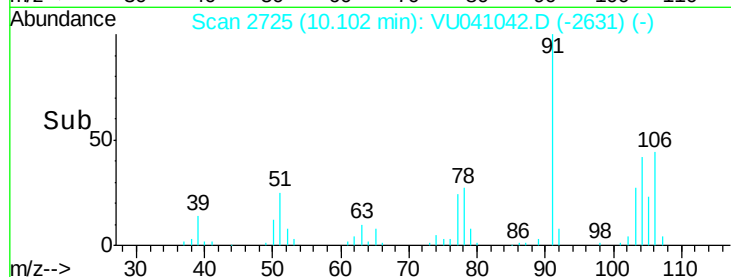
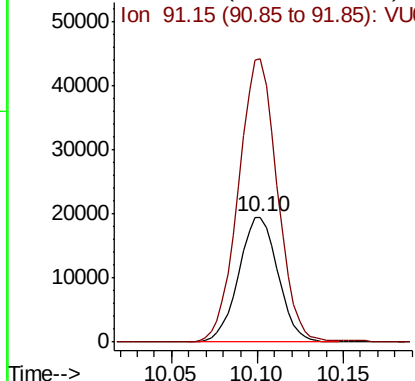
#54
o-Xylene
Concen: 5.236 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU041042.D
Acq: 02 Nov 2020 10:52

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 30924
Ion Ratio Lower Upper
106 100
91 226.8 154.3 286.5

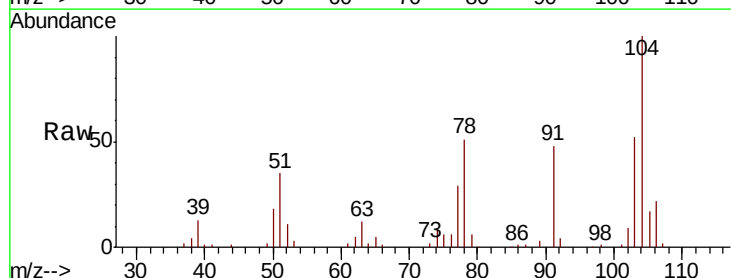


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

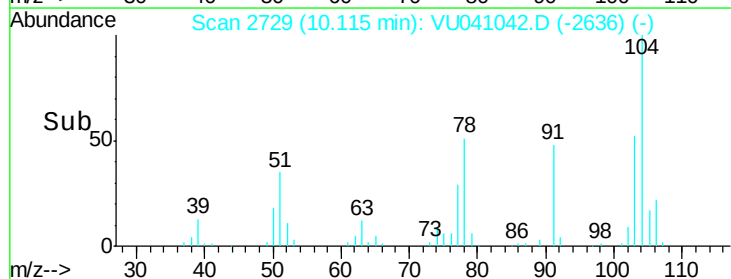
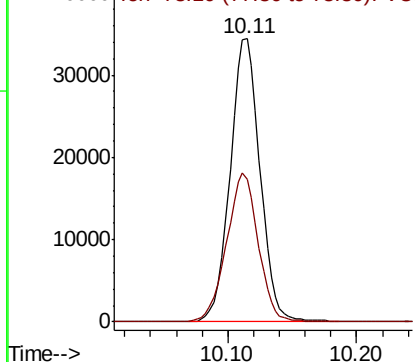


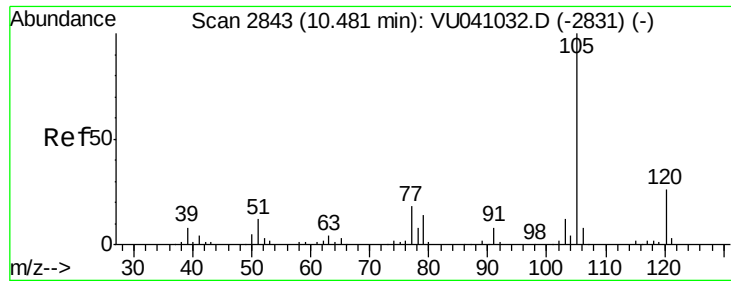
#55
Styrene
Concen: 5.257 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041042.D
Acq: 02 Nov 2020 10:52

Tgt Ion:104 Resp: 55320
Ion Ratio Lower Upper
104 100
78 50.6 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: 5.337 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU041042.D

Acq: 02 Nov 2020 10:52

Instrument :

MSVOA_U

ClientSampleId :

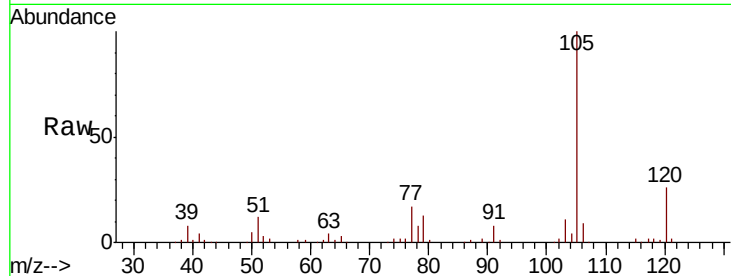
Tot Ion:105 Resp: 84770

Ion Ratio Lower Upper

105 100

120 25.5 20.7 31.1

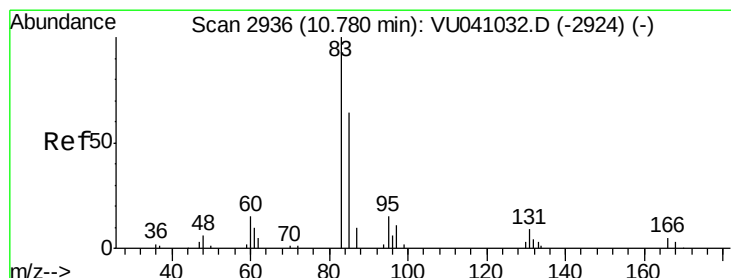
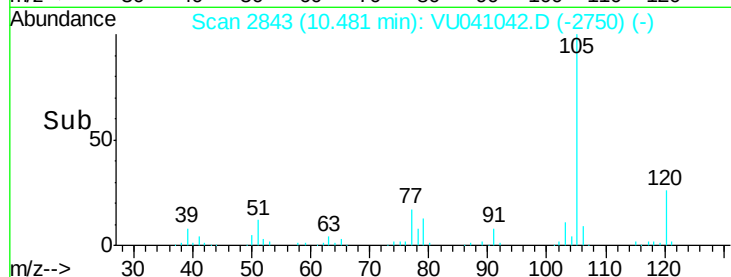
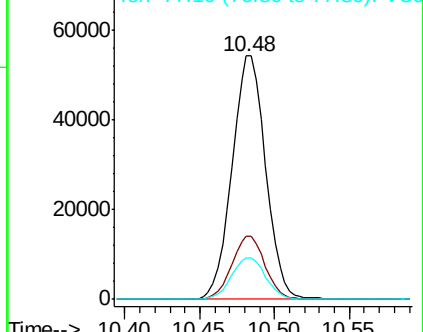
77 17.2 13.8 20.6



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: 5.452 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041042.D

Acq: 02 Nov 2020 10:52

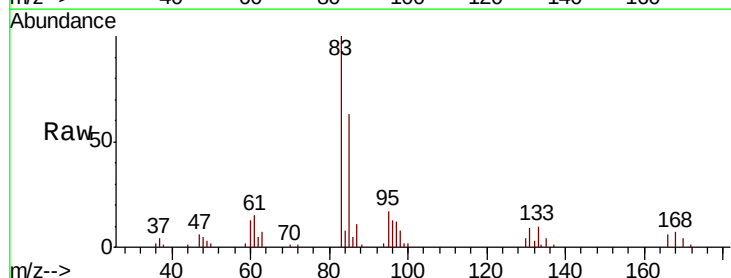
Tgt Ion: 83 Resp: 23497

Ion Ratio Lower Upper

83 100

85 62.9 44.4 82.4

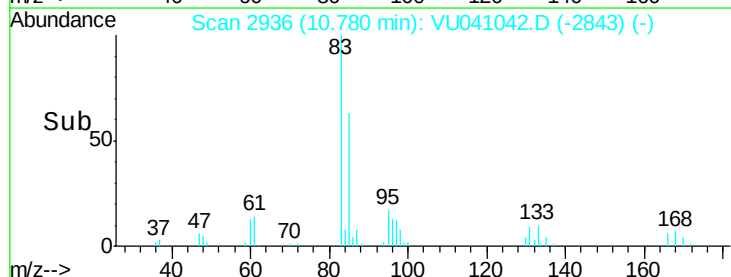
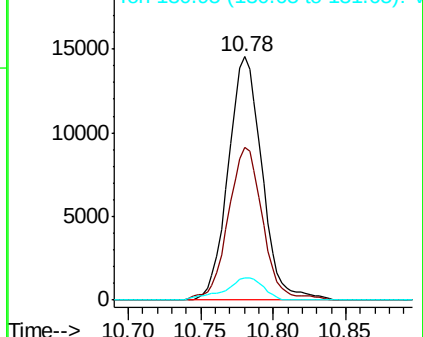
131 9.4 7.7 11.5

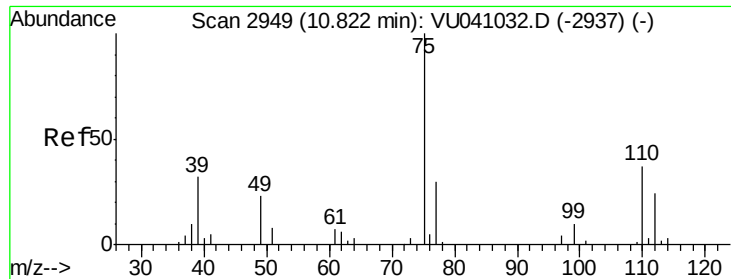


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.832 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU041042.D

Acq: 02 Nov 2020 10:52

Instrument :

MSVOA_U

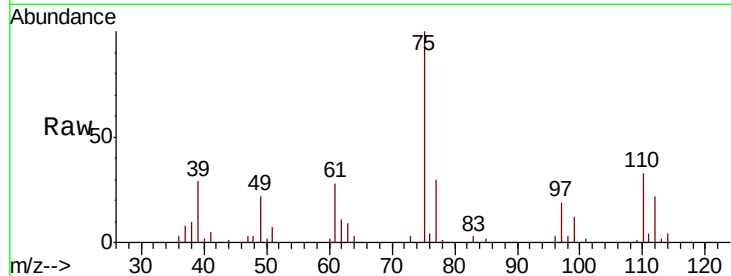
ClientSampleId :

Tot Ion: 75 Resp: 19161

Ion Ratio Lower Upper

75 100

77 29.5 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU041032.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU041032.D (-2937) (-)

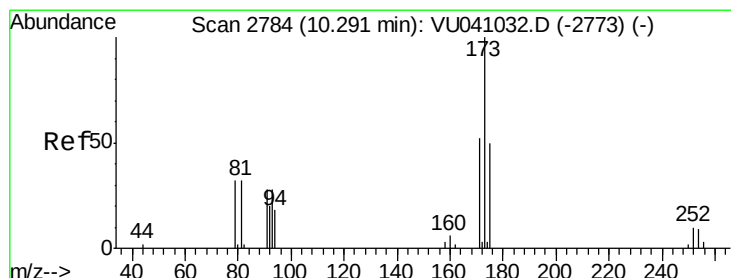
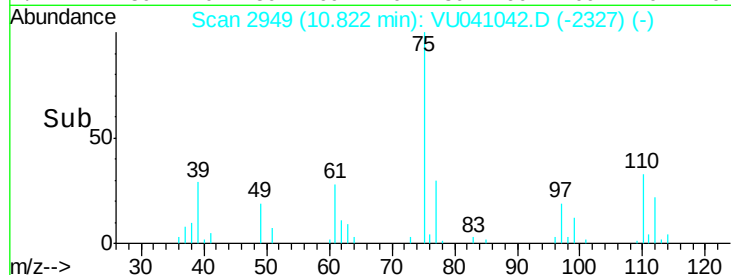
10.82

10000

5000

0

Time-->



#61

Bromoform

Concen: 5.387 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU041042.D

Acq: 02 Nov 2020 10:52

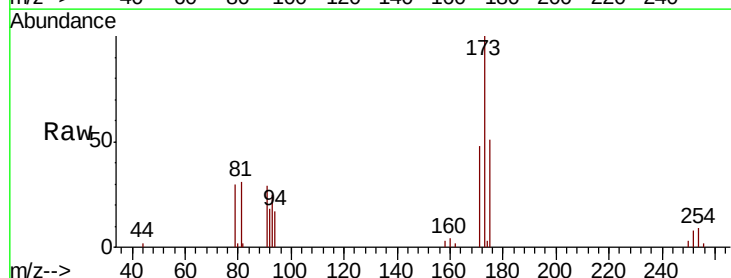
Tgt Ion: 173 Resp: 11651

Ion Ratio Lower Upper

173 100

175 49.6 37.6 56.4

254 7.9 6.6 9.8



Abundance Ion 172.90 (172.60 to 173.60): VU041032.D (-2773) (-)

Ion 174.90 (174.60 to 175.60): VU041032.D (-2773) (-)

Ion 253.75 (253.45 to 254.45): VU041032.D (-2773) (-)

10.29

8000

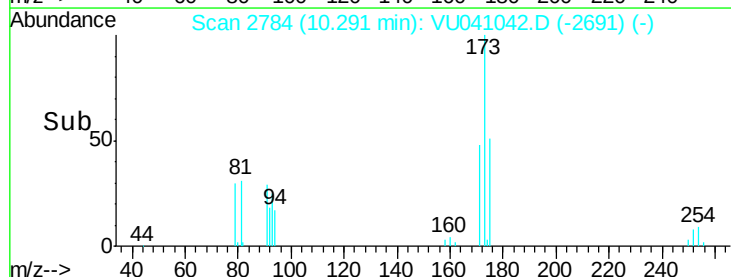
6000

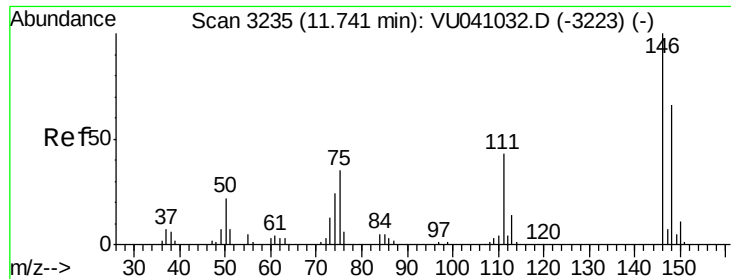
4000

2000

0

Time-->

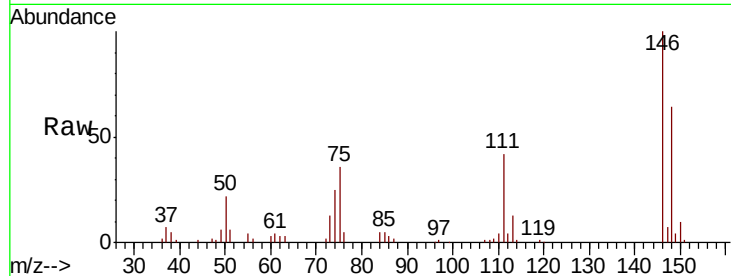




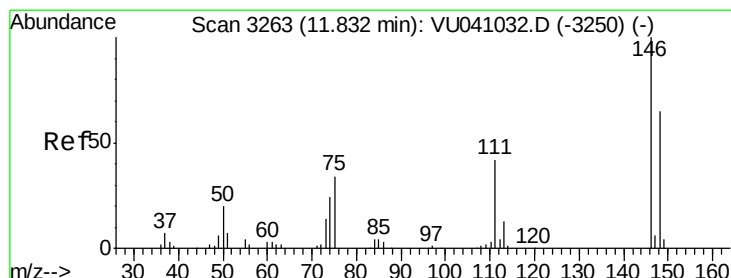
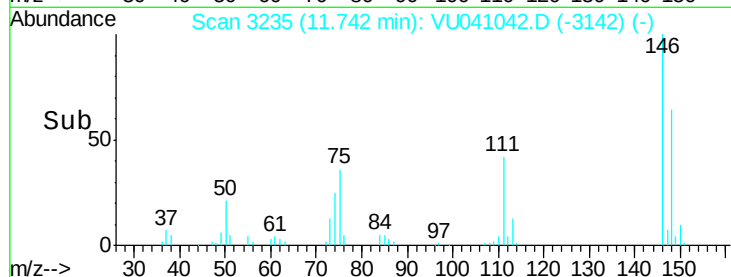
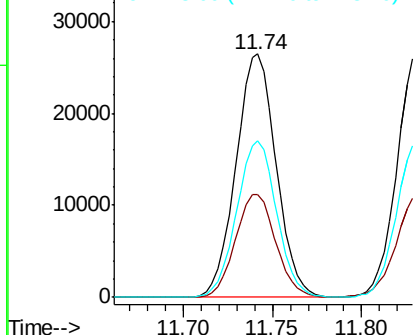
#62
 1,3-Dichlorobenzene
 Concen: 5.140 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041042.D
 Acq: 02 Nov 2020 10:52

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 41638
 Ion Ratio Lower Upper
 146 100
 111 42.3 30.9 57.3
 148 64.2 45.8 85.2

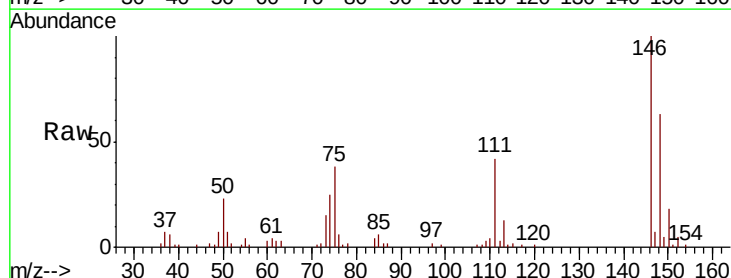


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

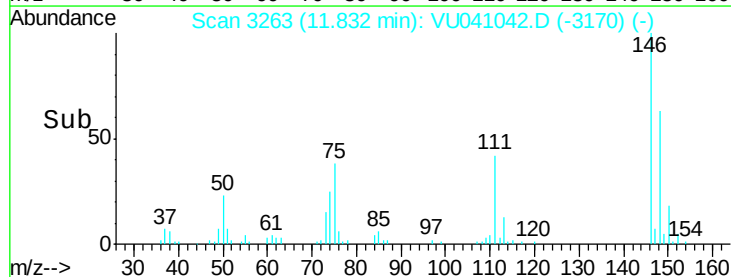
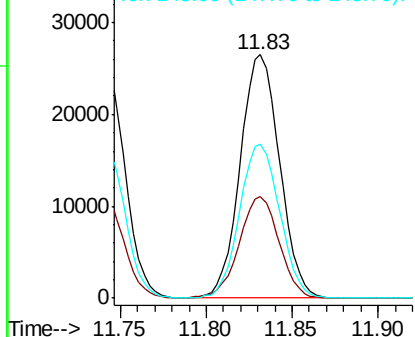


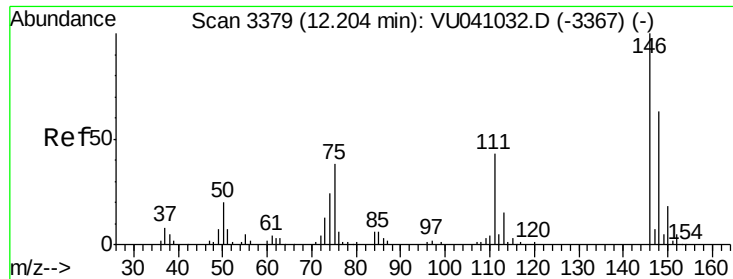
#63
 1,4-Dichlorobenzene
 Concen: 5.048 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041042.D
 Acq: 02 Nov 2020 10:52

Tgt Ion:146 Resp: 42350
 Ion Ratio Lower Upper
 146 100
 111 41.6 28.3 52.7
 148 63.2 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: 5.060 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU041042.D

Acq: 02 Nov 2020 10:52

Instrument :

MSVOA_U

ClientSampleId :

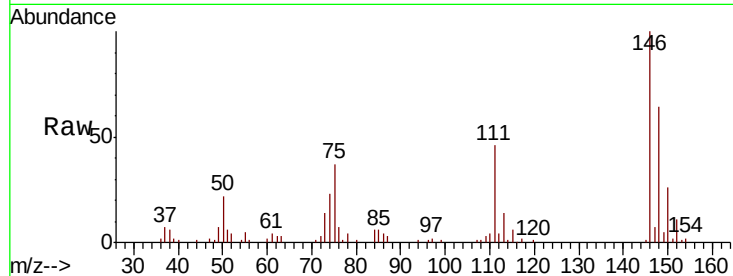
Tot Ion:146 Resp: 40449

Ion Ratio Lower Upper

146 100

111 45.9 35.0 52.6

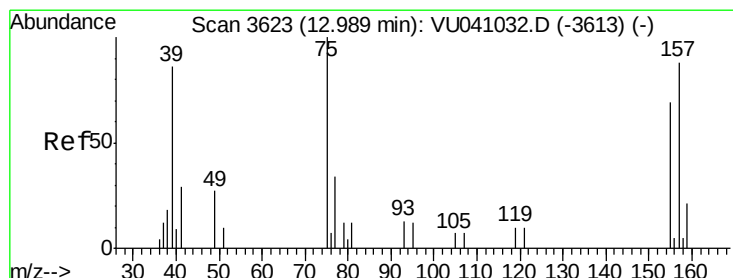
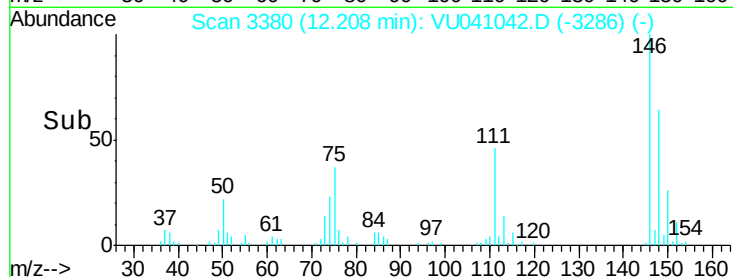
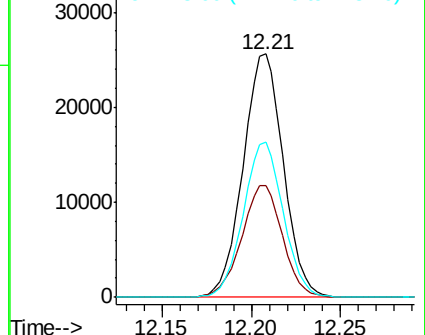
148 63.5 52.0 78.0



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: 5.568 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU041042.D

Acq: 02 Nov 2020 10:52

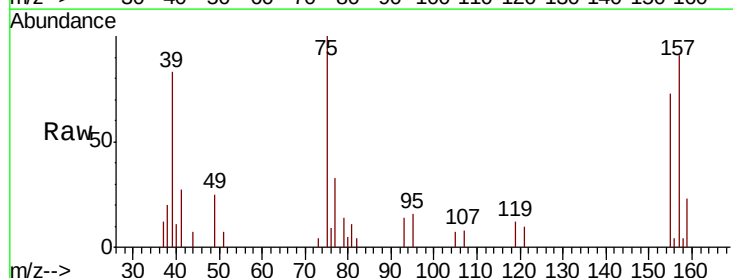
Tgt Ion: 75 Resp: 4362

Ion Ratio Lower Upper

75 100

155 73.1 61.4 92.2

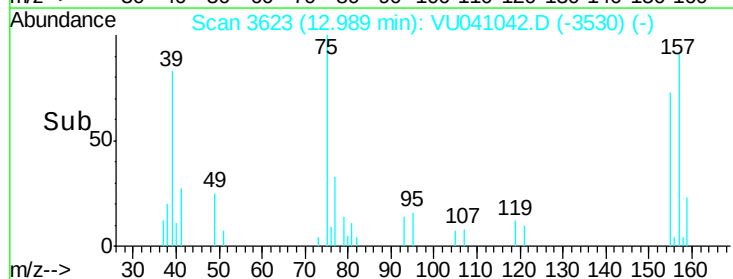
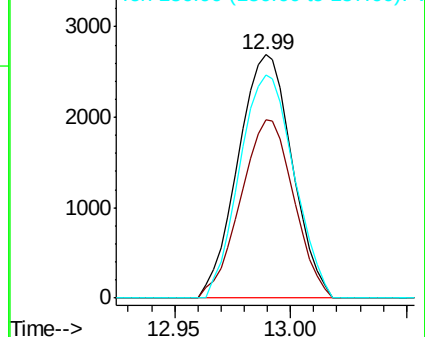
157 91.4 74.2 111.4

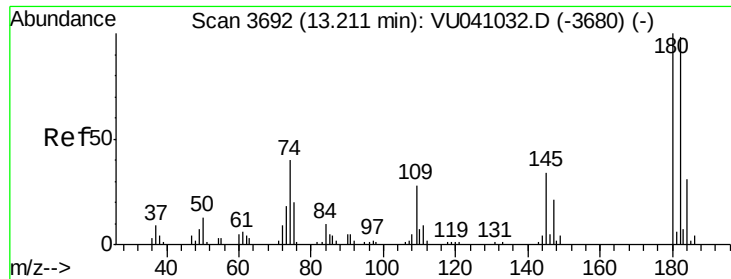


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

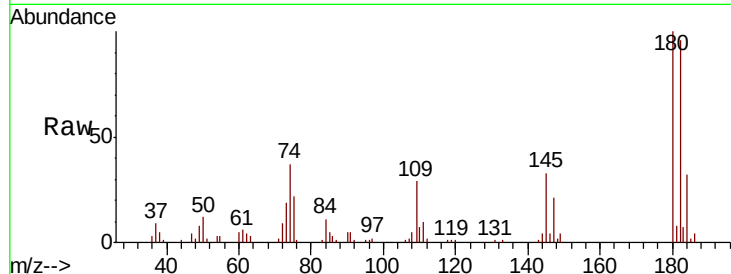




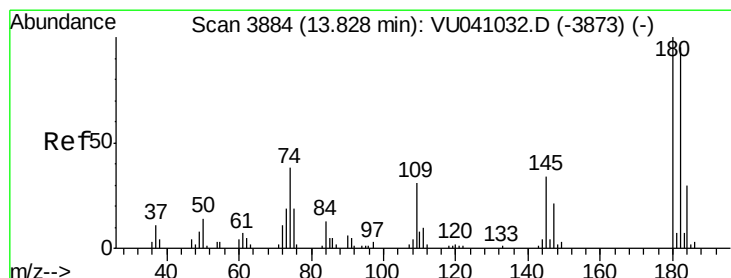
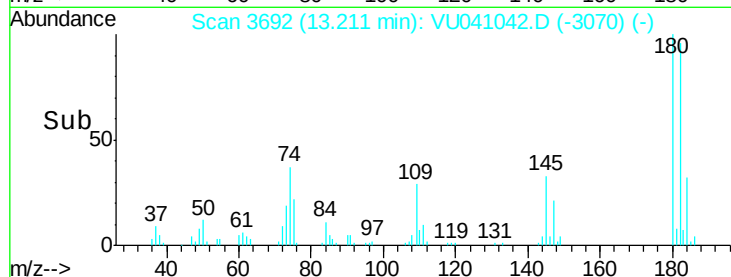
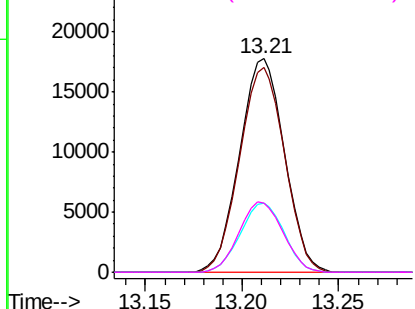
#67
 1,3,5-Trichlorobenzene
 Concen: 5.064 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041042.D
 Acq: 02 Nov 2020 10:52

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 28688
 Ion Ratio Lower Upper
 180 100
 182 95.9 75.7 113.5
 184 31.4 23.7 35.5
 145 32.2 26.1 39.1

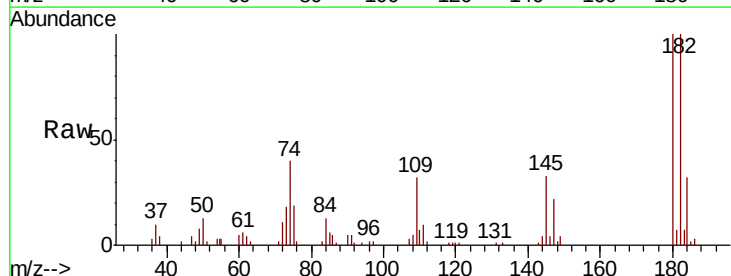


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

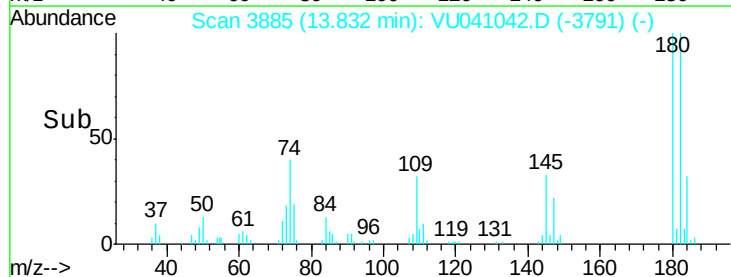
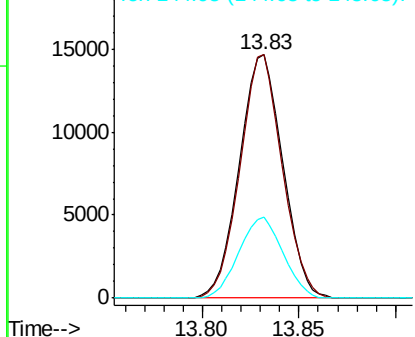


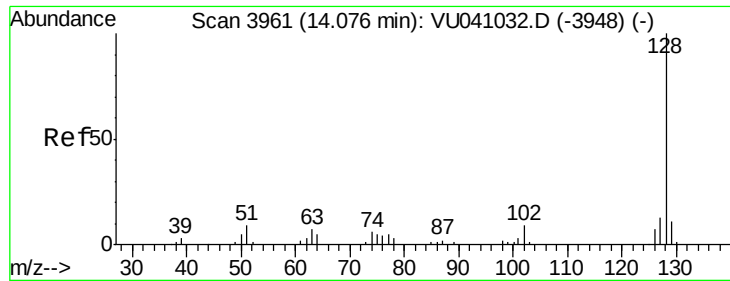
#68
 1,2,4-trichlorobenzene
 Concen: 4.867 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU041042.D
 Acq: 02 Nov 2020 10:52

Tgt Ion:180 Resp: 22842
 Ion Ratio Lower Upper
 180 100
 182 97.3 73.5 110.3
 145 33.8 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: 5.071 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU041042.D

Acq: 02 Nov 2020 10:52

Instrument :

MSVOA_U

ClientSampleId :

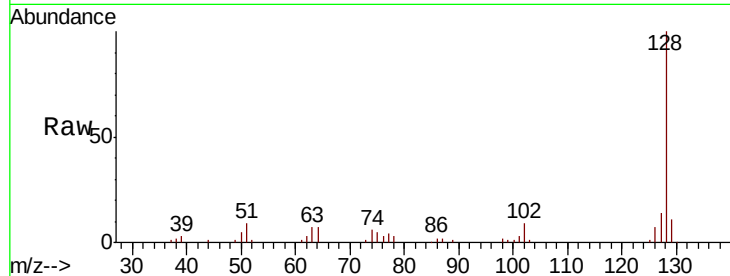
Tot Ion:128 Resp: 42558

Ion Ratio Lower Upper

128 100

129 10.4 8.7 13.1

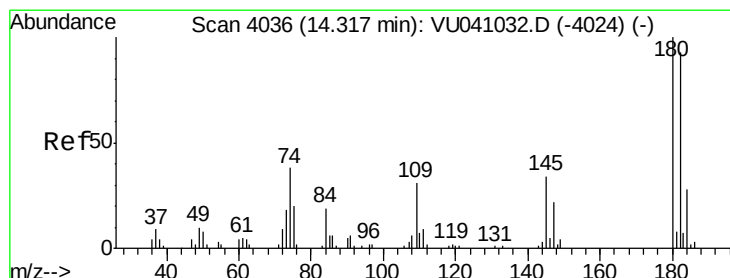
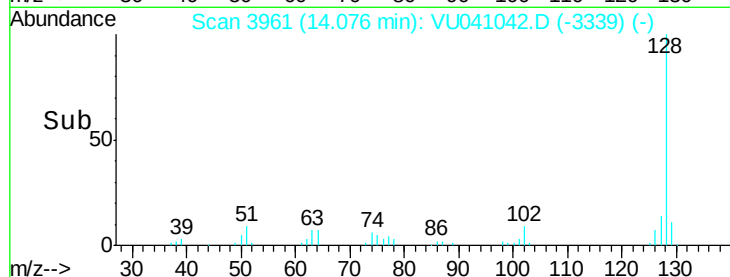
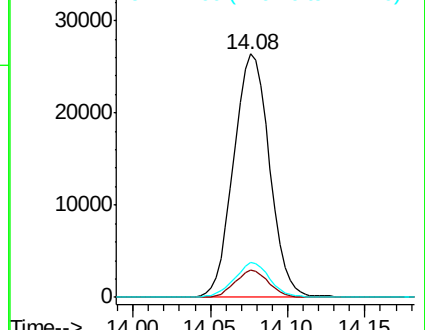
127 13.8 10.8 16.2



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: 5.119 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU041042.D

Acq: 02 Nov 2020 10:52

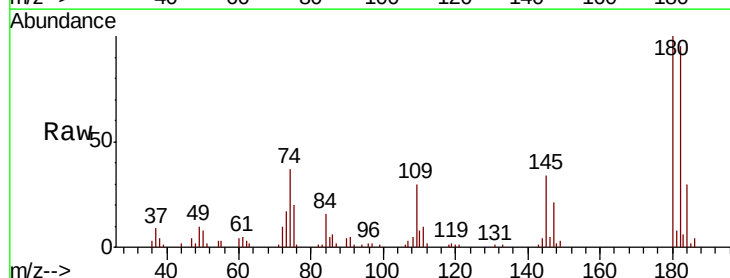
Tgt Ion:180 Resp: 22141

Ion Ratio Lower Upper

180 100

182 94.9 77.7 116.5

145 34.8 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

