

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110420\
 Data File : VU041096.D
 Acq On : 04 Nov 2020 12:18
 Operator : SY/MD
 Sample : L4575-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 05 00:51:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 05 00:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	53884	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	56812	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	24172	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	15622	3.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.00%
7) Chloroethane-d5	1.92	69	12841	3.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.80%
11) 1,1-Dichloroethene-d2	2.58	63	22909	2.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	51.60%#
20) 2-Butanone-d5	4.65	46	78588	52.72	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.44%
24) Chloroform-d	5.08	84	32675	4.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.80%
26) 1,2-Dichloroethane-d4	5.72	65	21695	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
32) Benzene-d6	5.74	84	58839	3.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.40%
36) 1,2-Dichloropropane-d6	6.70	67	20775	4.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.00%
41) Toluene-d8	7.91	98	45287	3.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	65.80%#
43) trans-1,3-Dichloropropene-	8.19	79	8304	3.87	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.40%
46) 2-Hexanone-d5	8.64	63	56893	49.28	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.56%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	20147	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	18674	4.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.00%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	327	0.064	ug/L 97
8) Chloroethane	1.95	64	136	0.042	ug/L # 43
9) Trichlorofluoromethane	2.15	101	53721	7.810	ug/L 98
13) Acetone	2.66	43	1971	1.934	ug/L 100
22) cis-1,2-Dichloroethene	4.68	96	681	0.171	ug/L 96
25) Chloroform	5.11	83	1615	0.208	ug/L 93
27) 1,2-Dichloroethane	5.74	62	369	0.064	ug/L # 74
31) Carbon tetrachloride	5.55	117	1263	0.205	ug/L 98
34) Trichloroethene	6.56	95	3654	0.846	ug/L 96
35) Methylcyclohexane	6.70	83	4790	0.743	ug/L # 15
37) 1,2-Dichloropropane	6.70	63	2364	0.515	ug/L # 86
39) cis-1,3-Dichloropropene	7.57	75	587	0.093	ug/L # 77
40) 4-Methyl-2-pentanone	7.72	43	3640	0.994	ug/L # 45
44) trans-1,3-Dichloropropene	8.19	75	364	0.062	ug/L # 50
45) 1,1,2-Trichloroethane	8.40	97	284	0.083	ug/L # 56
47) Tetrachloroethene	8.56	164	127298	40.074	ug/L 97
48) 2-Hexanone	8.64	43	8174	2.964	ug/L # 70

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 05 00:43:32 2020
Response via : Initial Calibration

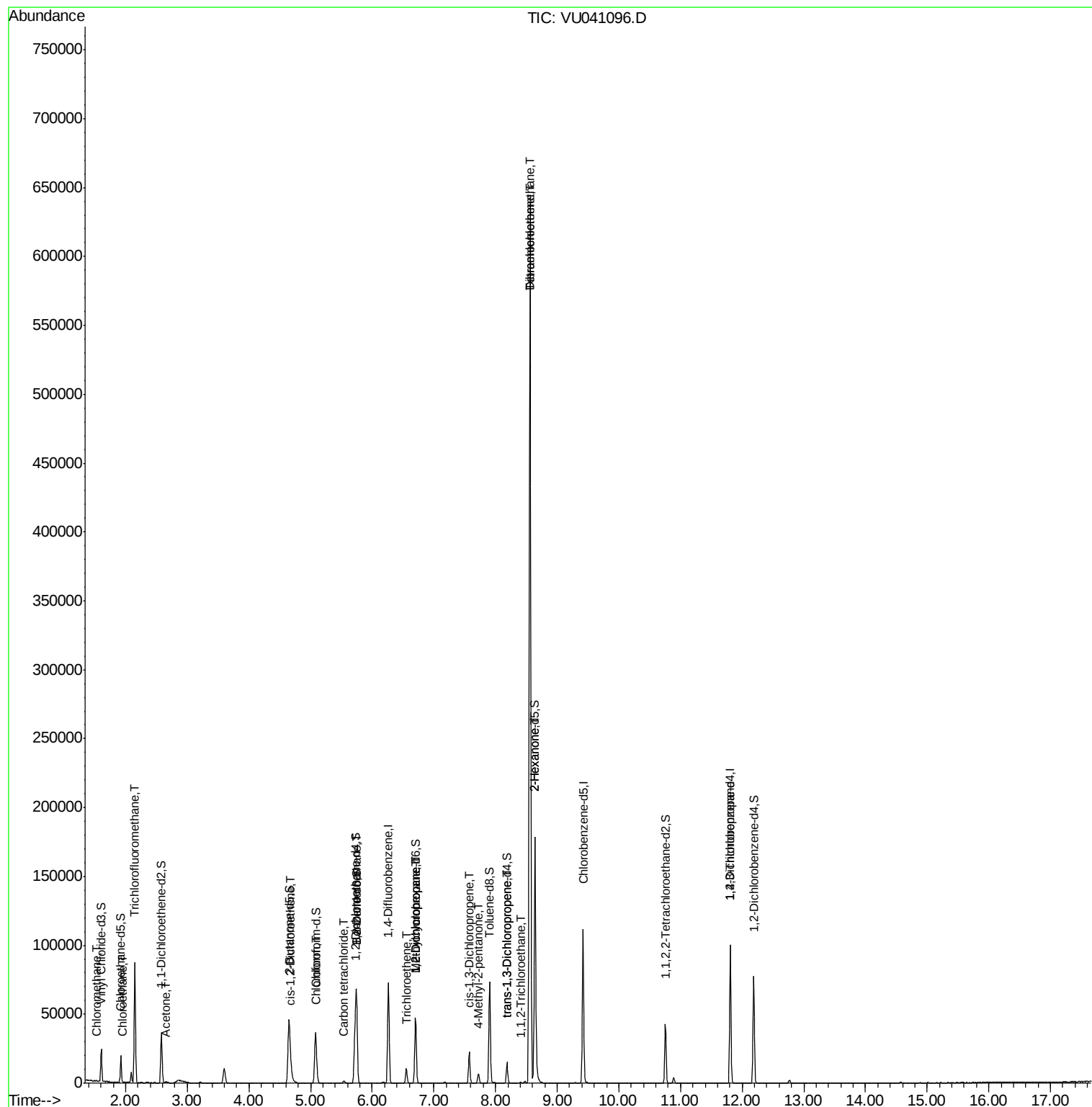
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.56	129	129797	32.687	ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	3238	0.946	ug/L	91

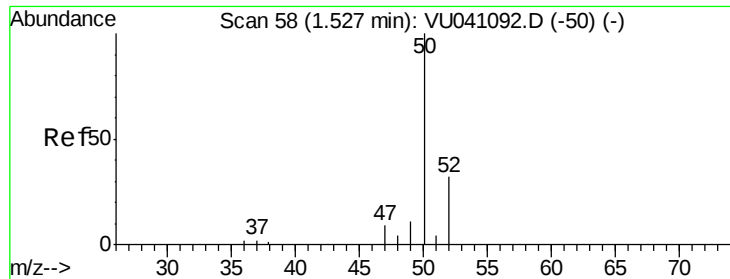
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.064 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041096.D

Acq: 04 Nov 2020 12:18

Instrument :

MSVOA_U

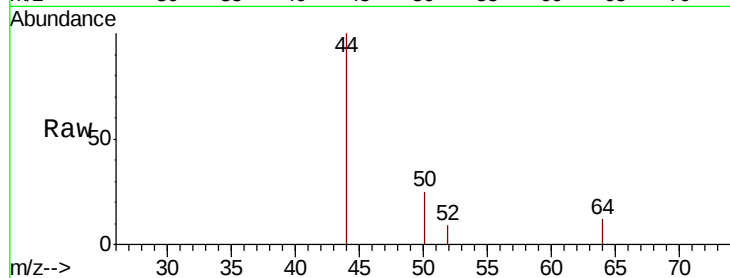
ClientSampleId :

Tot Ion: 50 Resp: 327

Ion Ratio Lower Upper

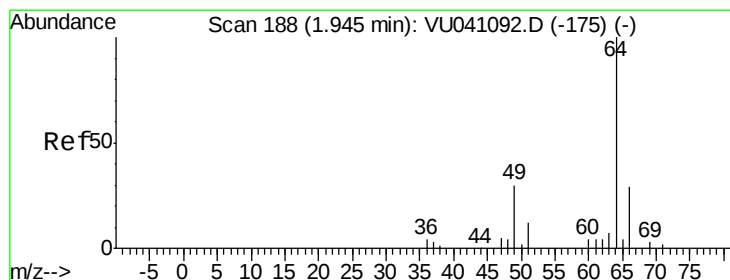
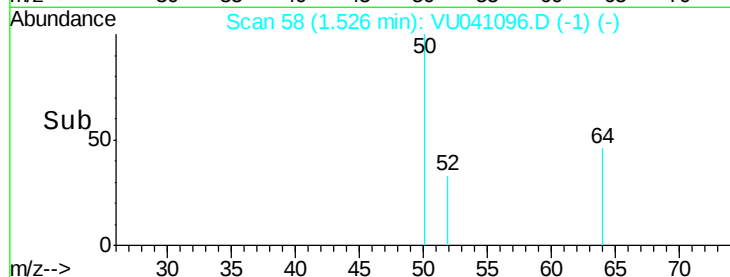
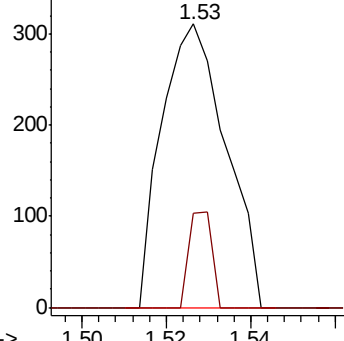
50 100

52 33.4 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#8

Chloroethane

Concen: 0.042 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.01 min

Lab File: VU041096.D

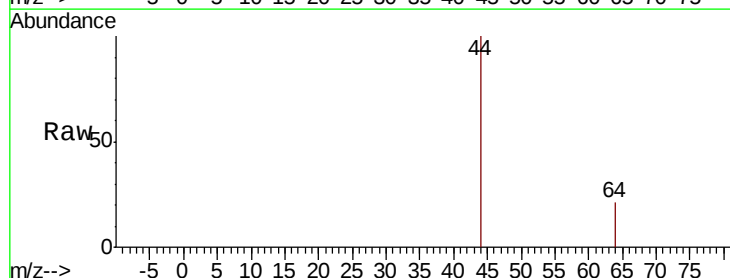
Acq: 04 Nov 2020 12:18

Tgt Ion: 64 Resp: 136

Ion Ratio Lower Upper

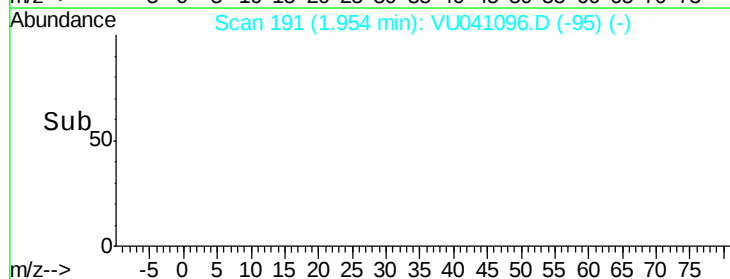
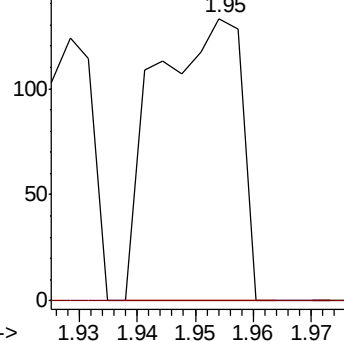
64 100

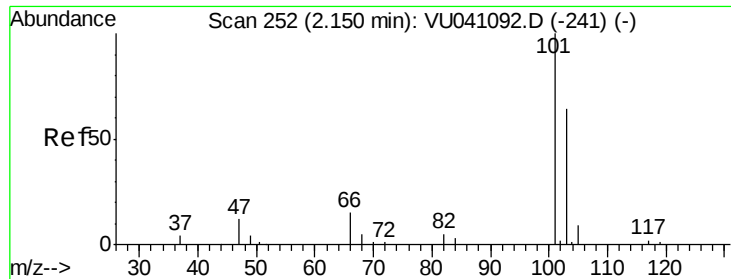
66 0.0 22.3 41.5#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



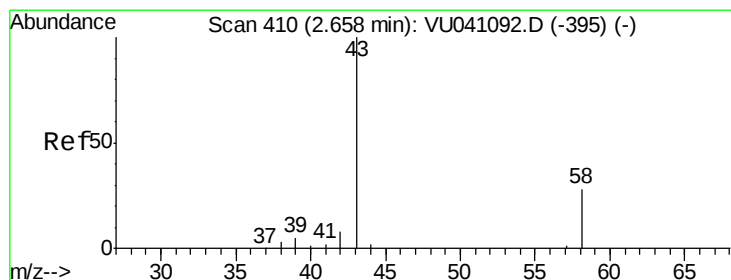
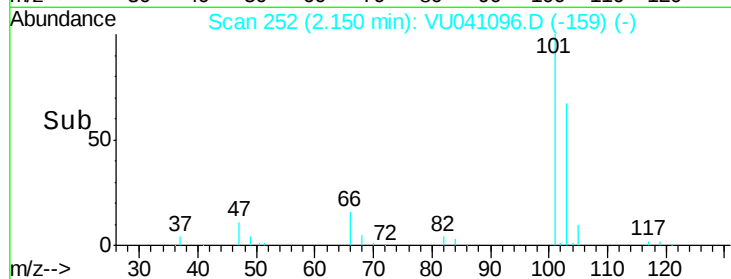
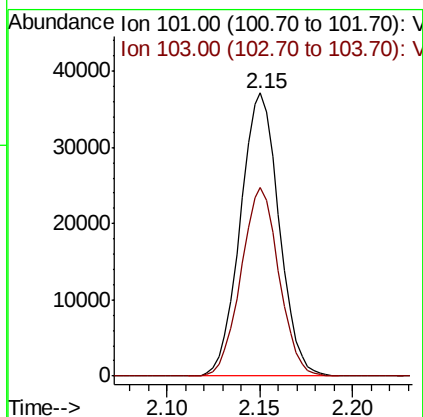
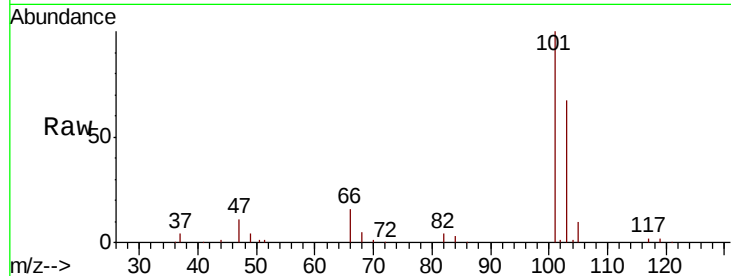


#9

Trichlorofluoromethane
 Concen: 7.810 ug/L
 RT: 2.15 min Scan# 252
 Delta R.T. -0.00 min
 Lab File: VU041096.D
 Acq: 04 Nov 2020 12:18

Instrument :
 MSVOA_U
 ClientSampleId :

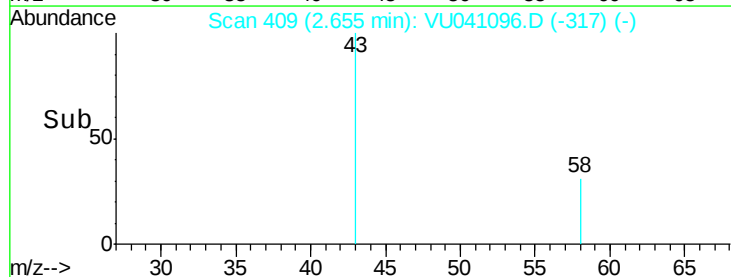
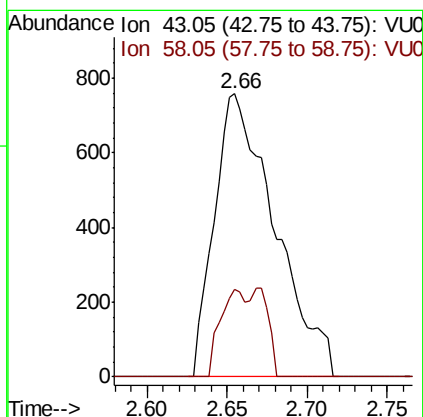
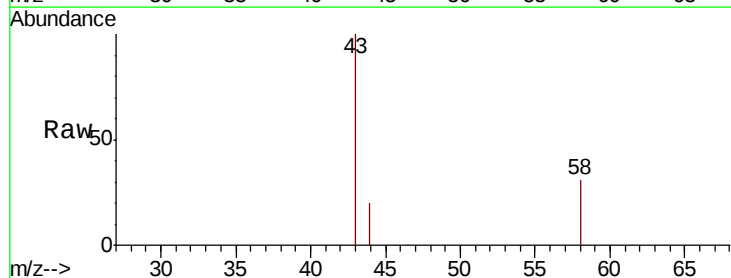
Tot Ion:101 Resp: 53721
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.0 76.4

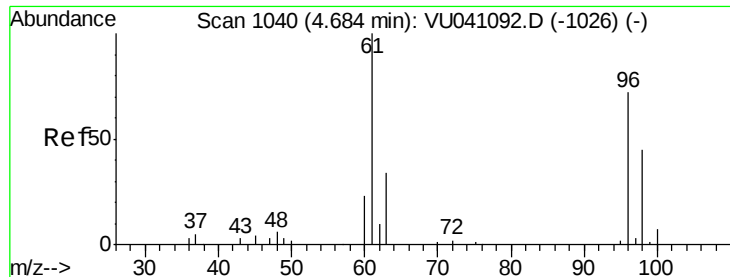


#13

Acetone
 Concen: 1.934 ug/L
 RT: 2.66 min Scan# 409
 Delta R.T. -0.00 min
 Lab File: VU041096.D
 Acq: 04 Nov 2020 12:18

Tgt Ion: 43 Resp: 1971
 Ion Ratio Lower Upper
 43 100
 58 12.8 0.0 25.4

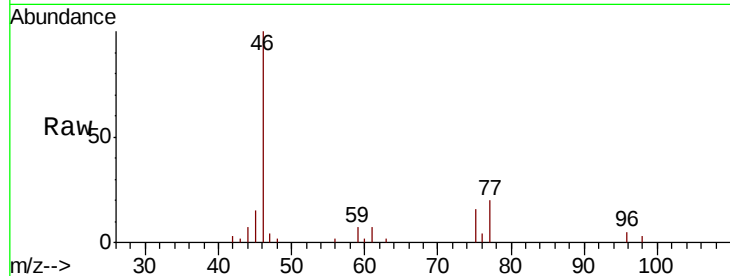




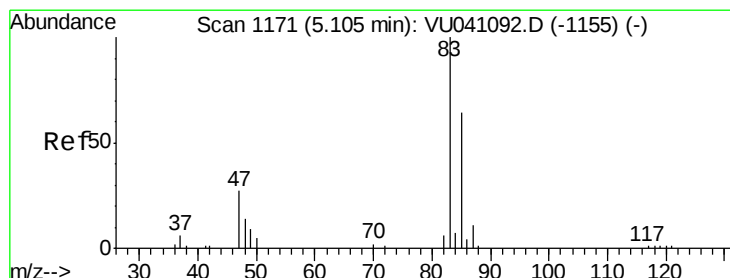
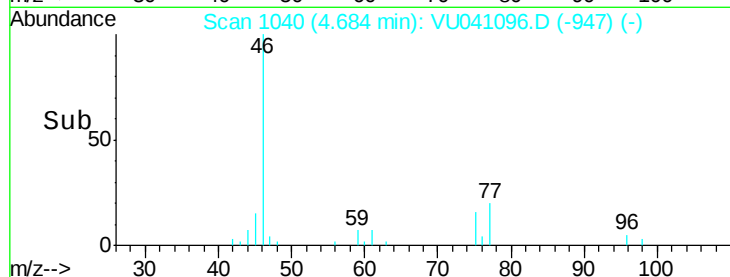
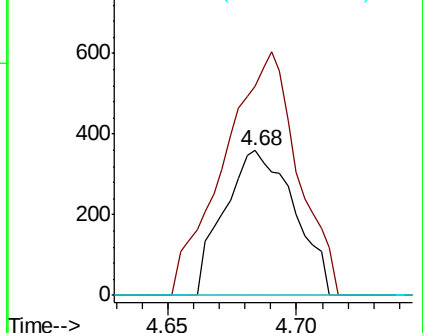
#22
 cis-1,2-Dichloroethene
 Concen: 0.171 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VU041096.D
 Acq: 04 Nov 2020 12:18

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 96 Resp: 681
 Ion Ratio Lower Upper
 96 100
 61 144.2 97.2 180.4
 68 0.0 0.0 0.0

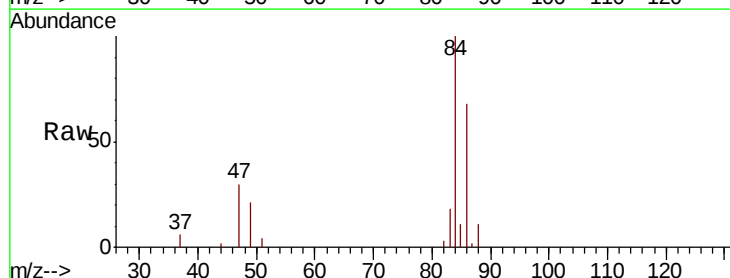


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

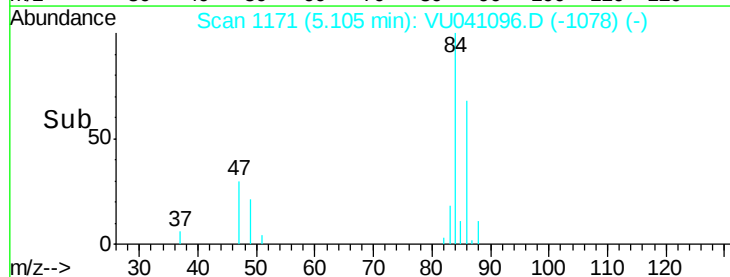
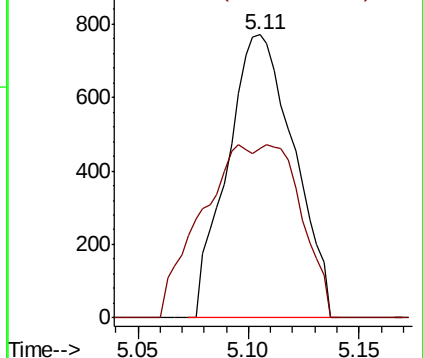


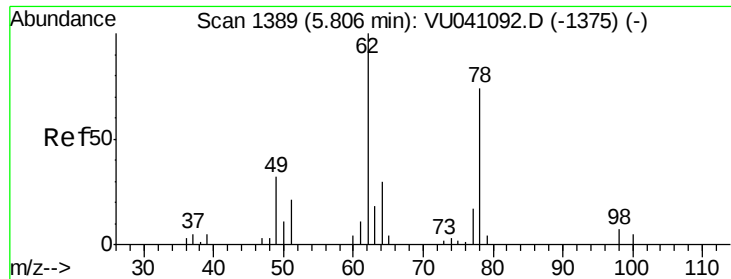
#25
 Chloroform
 Concen: 0.208 ug/L
 RT: 5.11 min Scan# 1171
 Delta R.T. -0.00 min
 Lab File: VU041096.D
 Acq: 04 Nov 2020 12:18

Tgt Ion: 83 Resp: 1615
 Ion Ratio Lower Upper
 83 100
 85 60.0 46.1 85.7



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0

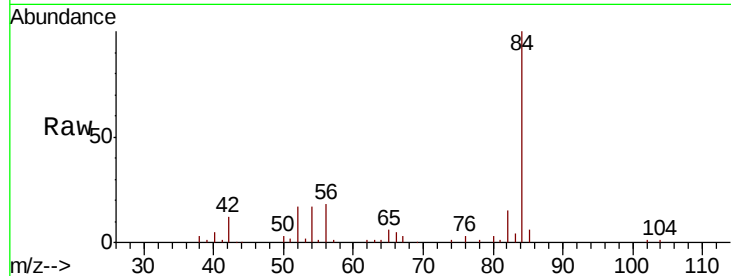




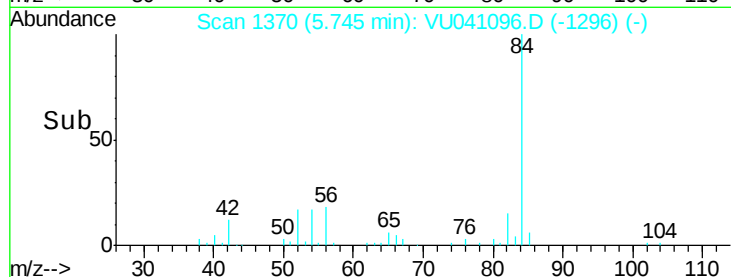
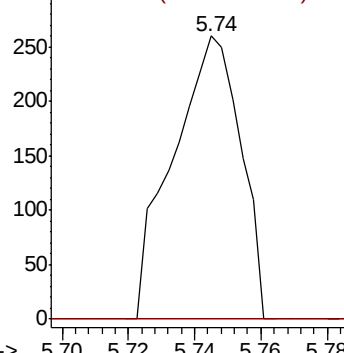
#27
 1,2-Dichloroethane
 Concen: 0.064 ug/L
 RT: 5.74 min Scan# 1370
 Delta R.T. -0.06 min
 Lab File: VU041096.D
 Acq: 04 Nov 2020 12:18

Instrument :
 MSVOA_U
 ClientSampleId :

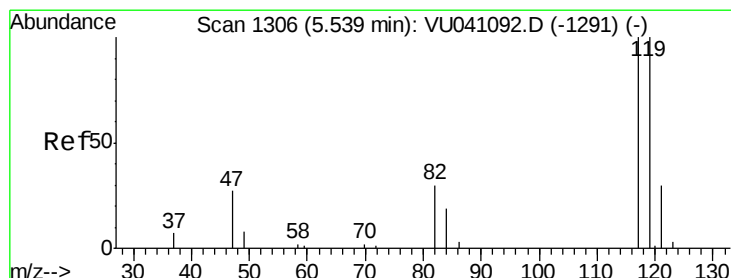
Tot Ion: 62 Resp: 369
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#



Abundance Ion 62.00 (61.70 to 62.70): VU041092.D (-1375) (-)
 Ion 98.05 (97.75 to 98.75): VU041092.D (-1375) (-)

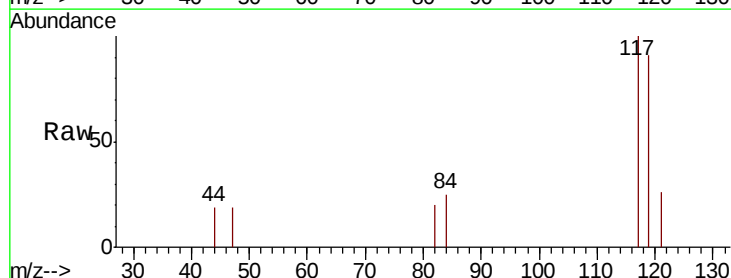


Time-->

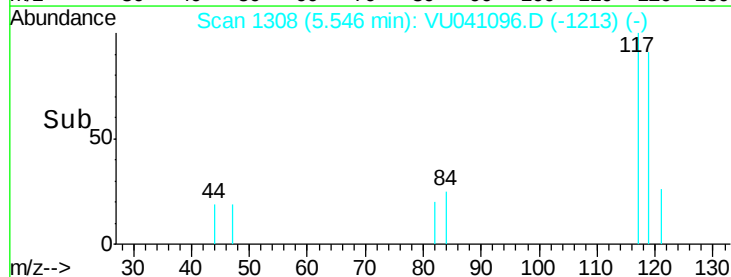
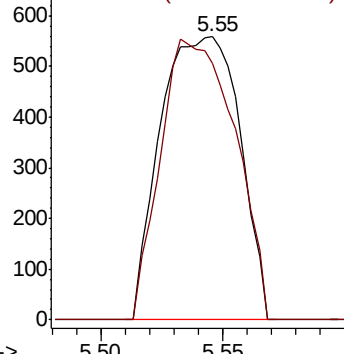


#31
 Carbon tetrachloride
 Concen: 0.205 ug/L
 RT: 5.55 min Scan# 1308
 Delta R.T. 0.01 min
 Lab File: VU041096.D
 Acq: 04 Nov 2020 12:18

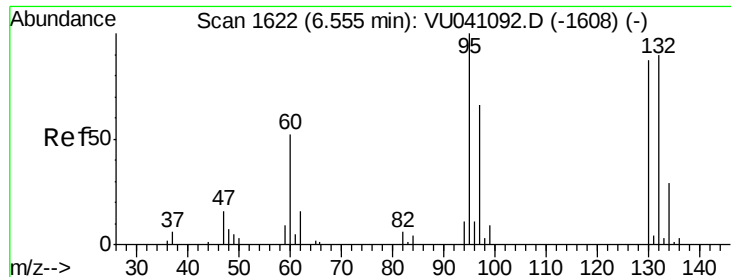
Tgt Ion: 117 Resp: 1263
 Ion Ratio Lower Upper
 117 100
 119 92.7 76.1 114.1



Abundance Ion 116.90 (116.60 to 117.60): VU041092.D (-1291) (-)
 Ion 118.90 (118.60 to 119.60): VU041092.D (-1291) (-)



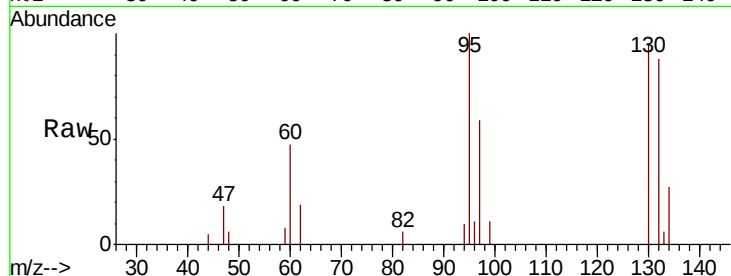
Time-->



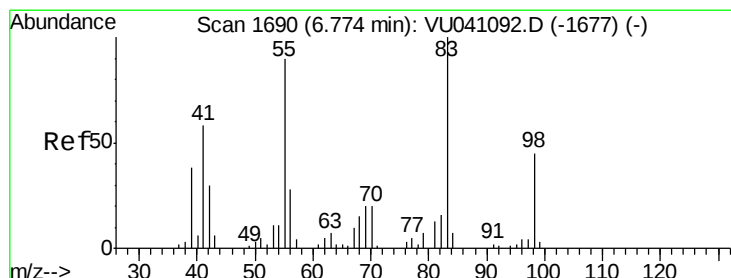
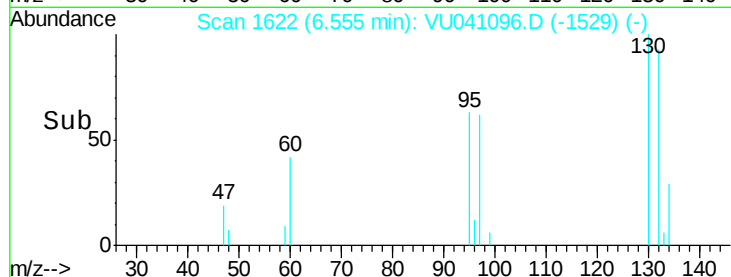
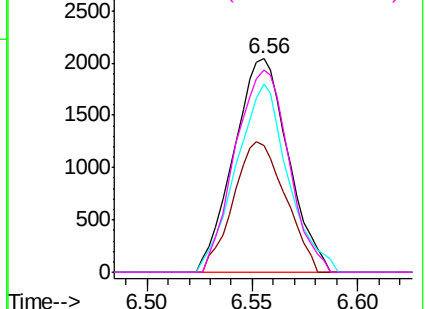
#34
 Trichloroethene
 Concen: 0.846 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. -0.00 min
 Lab File: VU041096.D
 Acq: 04 Nov 2020 12:18

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 3654
 Ion Ratio Lower Upper
 95 100
 97 59.1 45.6 84.6
 132 88.3 64.8 120.4
 130 94.6 64.8 120.4

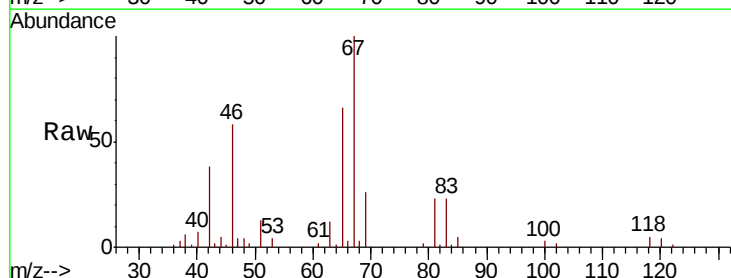


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

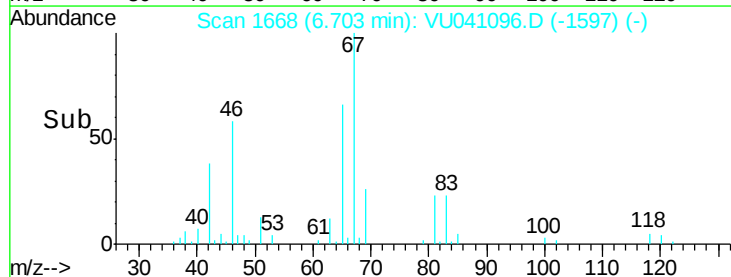
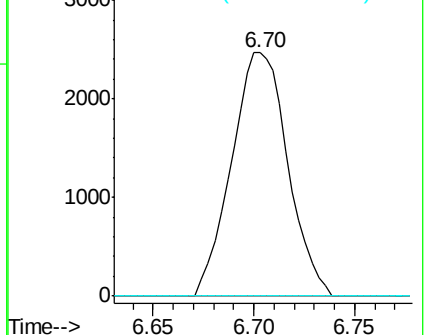


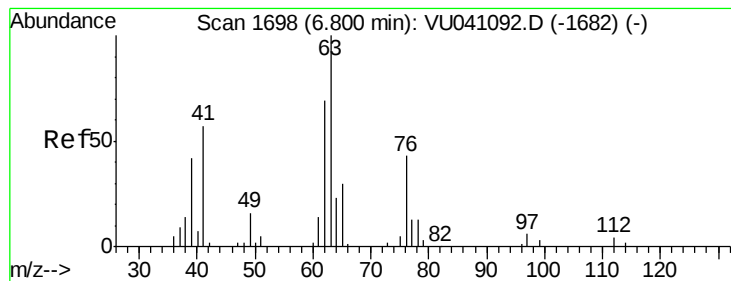
#35
 Methylcyclohexane
 Concen: 0.743 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU041096.D
 Acq: 04 Nov 2020 12:18

Tgt Ion: 83 Resp: 4790
 Ion Ratio Lower Upper
 83 100
 55 0.0 72.0 108.0#
 98 3.0 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: 0.515 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU041096.D

Acq: 04 Nov 2020 12:18

Instrument :

MSVOA_U

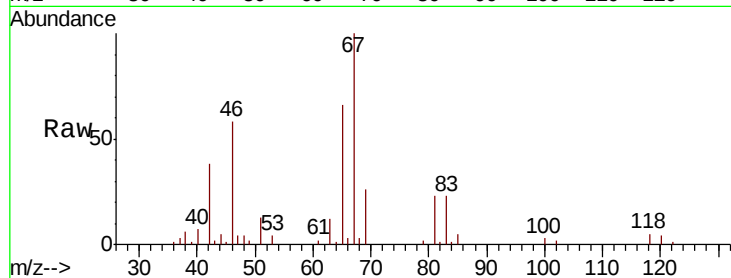
ClientSampleId :

Tot Ion: 63 Resp: 2364

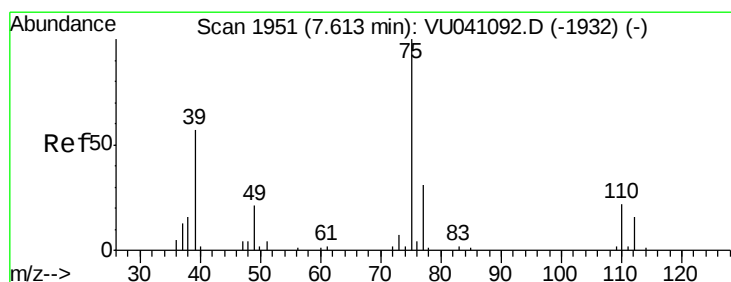
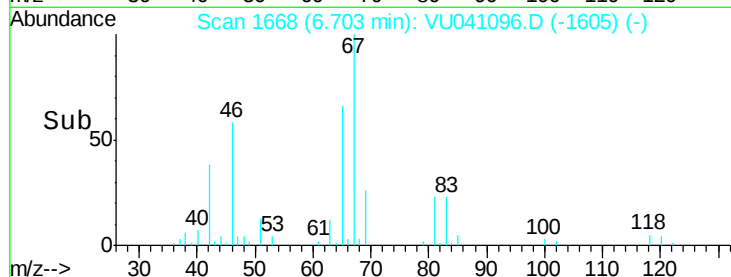
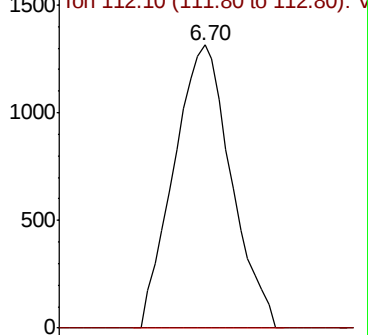
Ion Ratio Lower Upper

63 100

112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU041092.D (-1682) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.093 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU041096.D

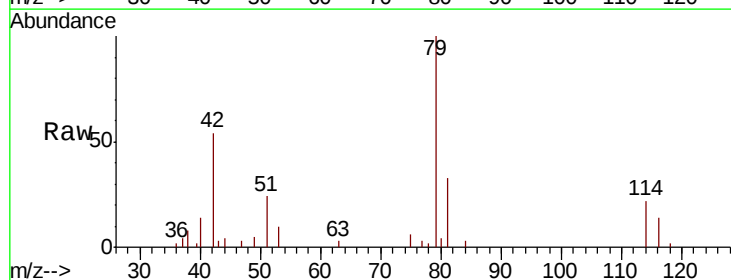
Acq: 04 Nov 2020 12:18

Tgt Ion: 75 Resp: 587

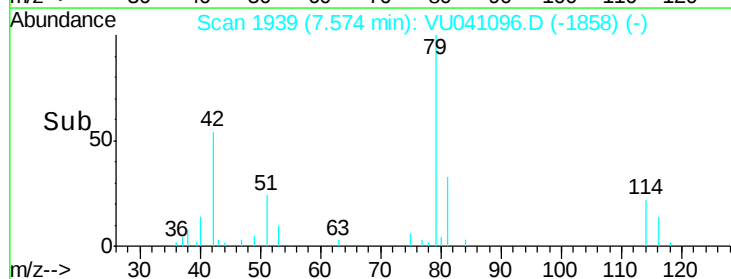
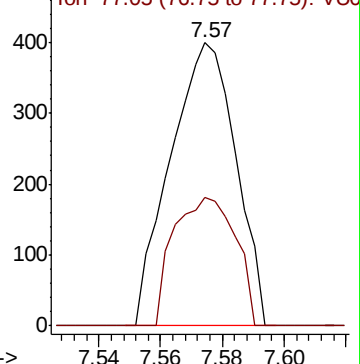
Ion Ratio Lower Upper

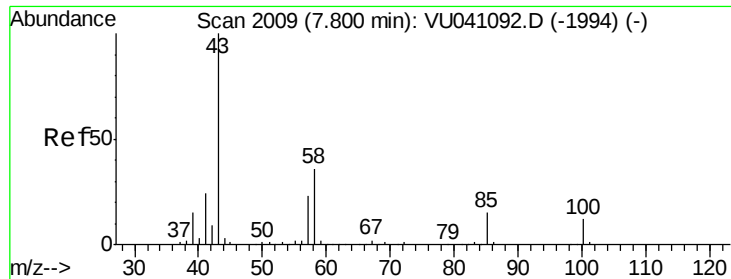
75 100

77 45.4 22.7 42.3#



Abundance Ion 75.05 (74.75 to 75.75): VU041092.D (-1932) (-)

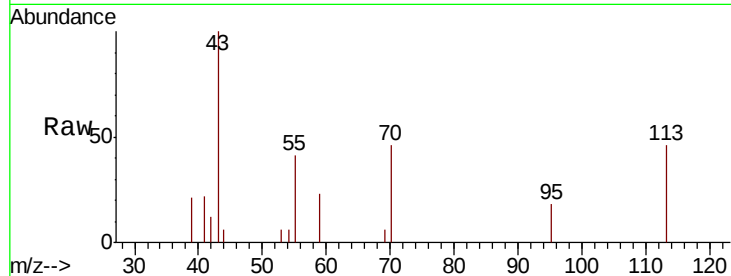




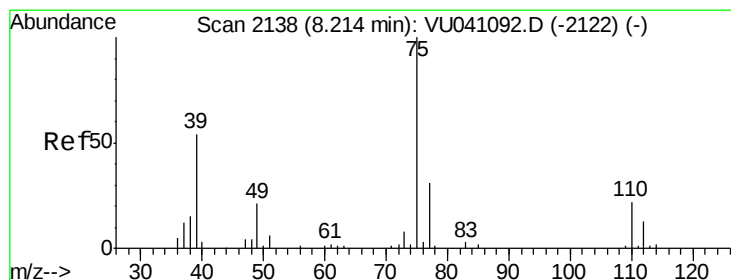
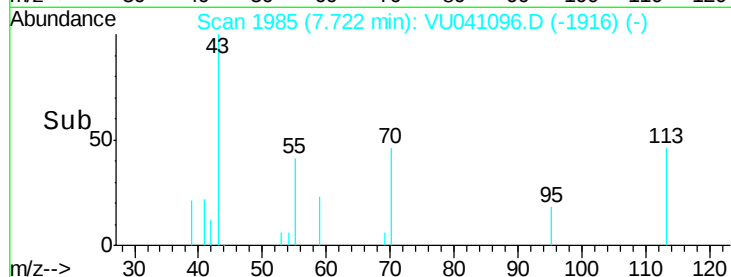
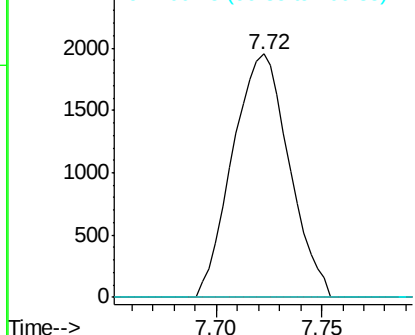
#40
4-Methyl-2-pentanone
Concen: 0.994 ug/L
RT: 7.72 min Scan# 1985
Delta R.T. -0.08 min
Lab File: VU041096.D
Acq: 04 Nov 2020 12:18

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 3640
Ion Ratio Lower Upper
43 100
58 0.0 29.8 44.6#
100 0.0 10.5 15.7#

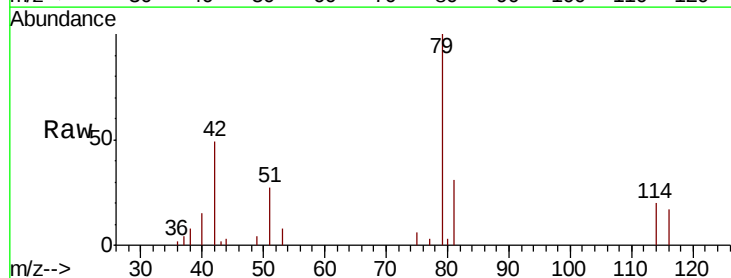


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 100.15 (99.85 to 100.85): VU0

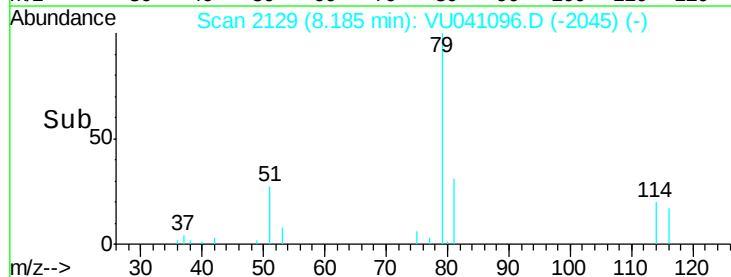
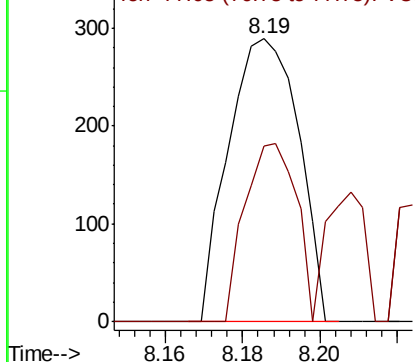


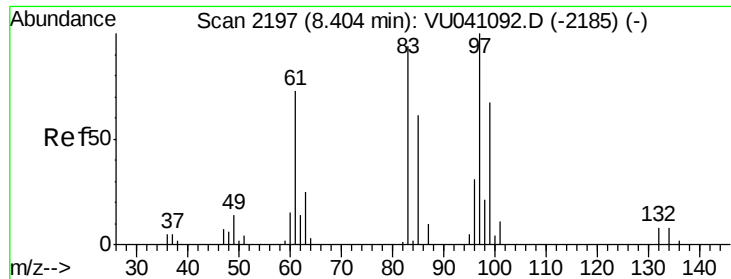
#44
trans-1,3-Dichloropropene
Concen: 0.062 ug/L
RT: 8.19 min Scan# 2129
Delta R.T. -0.03 min
Lab File: VU041096.D
Acq: 04 Nov 2020 12:18

Tgt Ion: 75 Resp: 364
Ion Ratio Lower Upper
75 100
77 61.9 23.3 43.3#



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

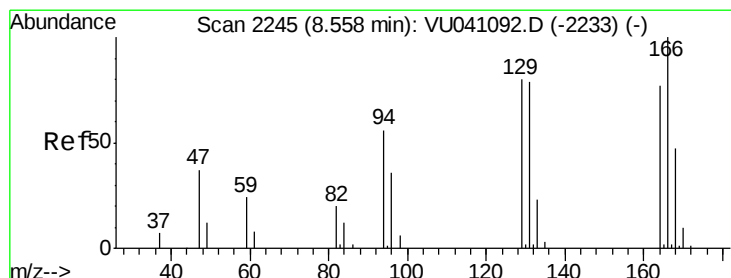
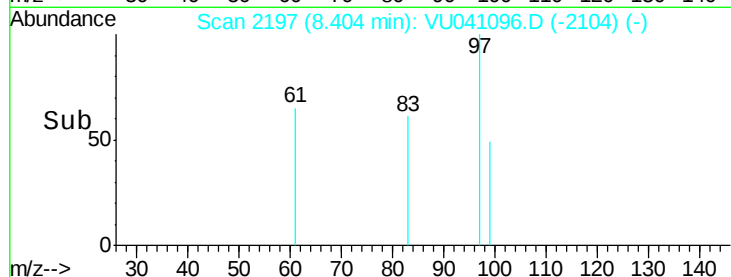
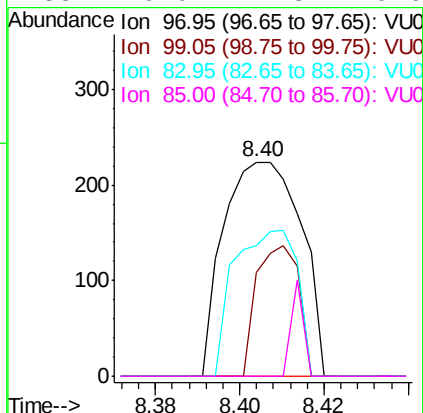
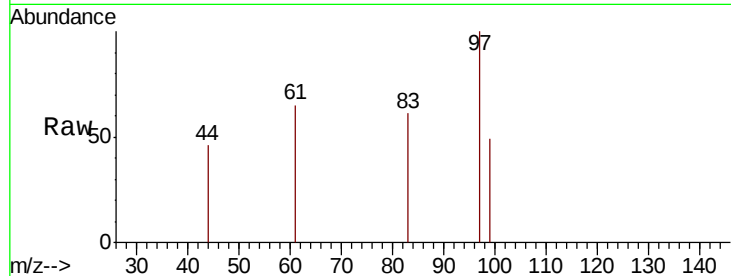




#45
1,1,2-Trichloroethane
Concen: 0.083 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VU041096.D
Acq: 04 Nov 2020 12:18

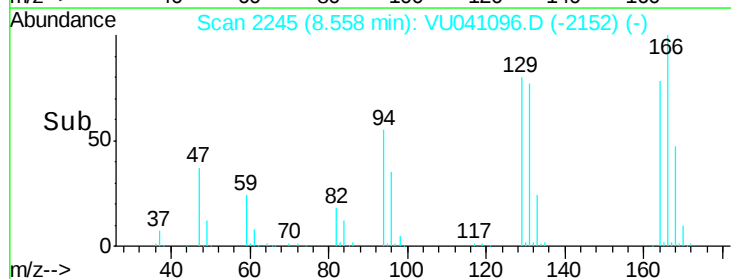
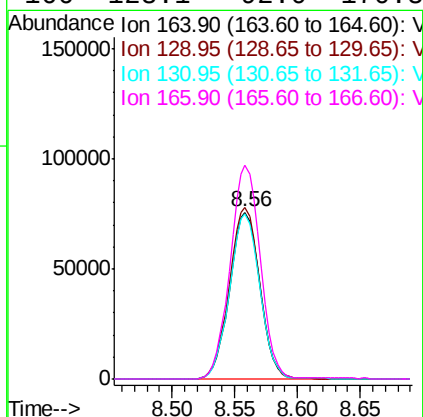
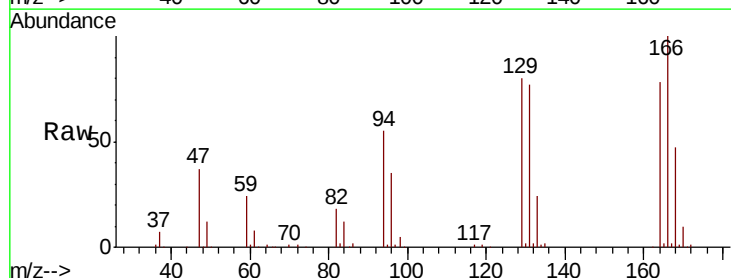
Instrument :
MSVOA_U
ClientSampled :

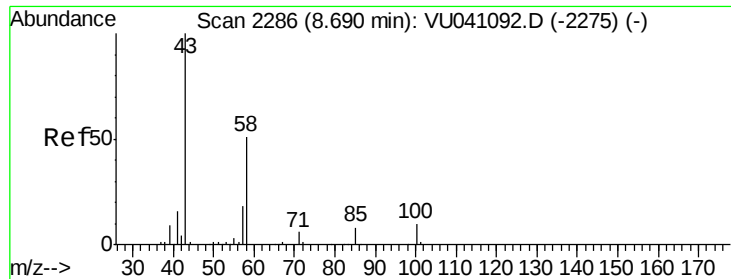
Tot Ion: 97 Resp: 284
Ion Ratio Lower Upper
97 100
99 48.7 45.8 85.2
83 61.2 67.9 126.1#
85 0.0 42.8 79.6#



#47
Tetrachloroethene
Concen: 40.074 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VU041096.D
Acq: 04 Nov 2020 12:18

Tgt Ion: 164 Resp: 127298
Ion Ratio Lower Upper
164 100
129 102.9 70.3 130.7
131 98.8 70.8 131.4
166 128.1 92.0 170.8

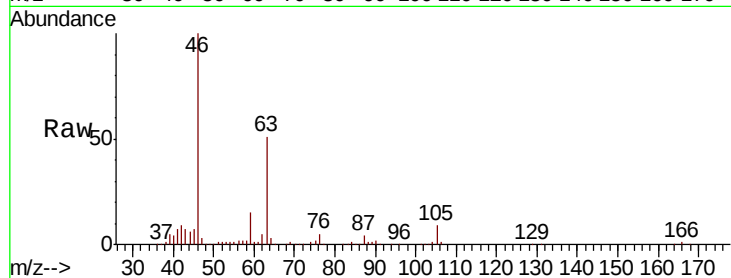




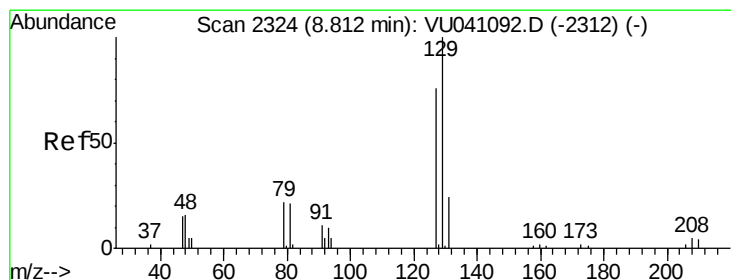
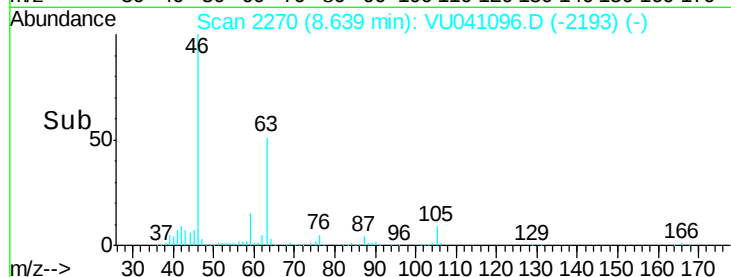
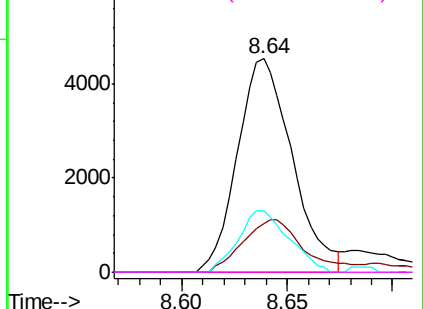
#48
2-Hexanone
Concen: 2.964 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041096.D
Acq: 04 Nov 2020 12:18

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 8174
Ion Ratio Lower Upper
43 100
58 27.7 41.4 62.2#
57 26.8 14.6 21.8#
100 0.0 8.3 12.5#

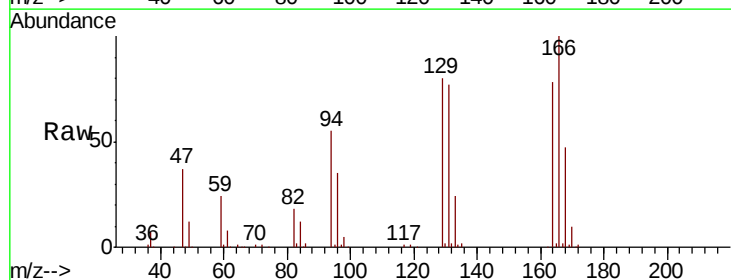


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

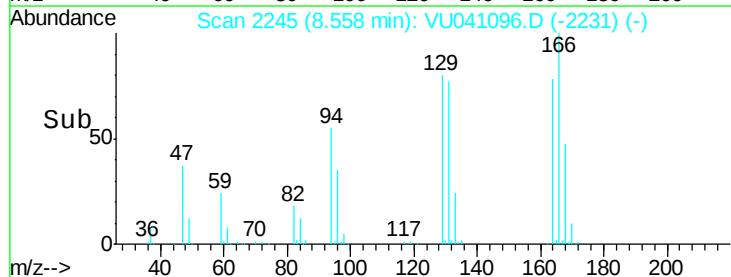
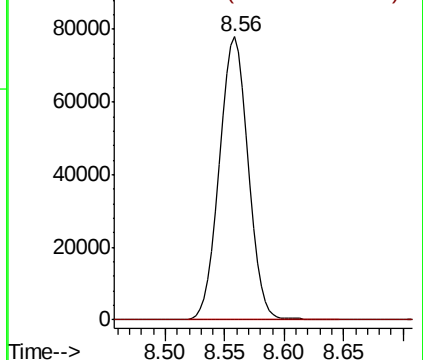


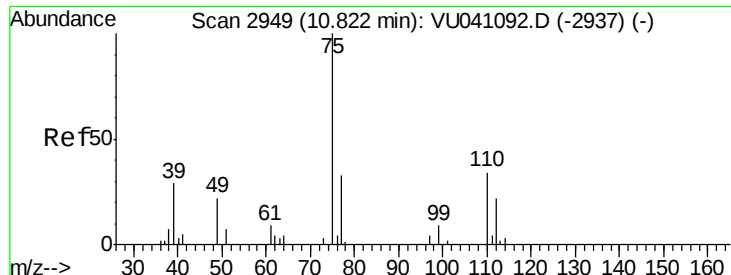
#49
Dibromochloromethane
Concen: 32.687 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.25 min
Lab File: VU041096.D
Acq: 04 Nov 2020 12:18

Tgt Ion: 129 Resp: 129797
Ion Ratio Lower Upper
129 100
127 0.0 53.4 99.2#



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





#59

1,2,3-Trichloropropane

Concen: 0.946 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041096.D

Acq: 04 Nov 2020 12:18

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 3238

Ion Ratio Lower Upper

75 100

77 37.2 25.7 38.5

