

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010921\
 Data File : VU041884.D
 Acq On : 07 Jan 2021 19:52
 Operator : SY/MD
 Sample : M1026-15
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 08 05:01:42 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jan 08 04:58:19 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	138799	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	133793	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	58343	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	41578	3.83	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.60%
7) Chloroethane-d5	1.92	69	43935	5.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.60%
11) 1,1-Dichloroethene-d2	2.58	63	63923	3.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.00%
20) 2-Butanone-d5	4.65	46	172409	55.31	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.62%
24) Chloroform-d	5.08	84	99853	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.40%
26) 1,2-Dichloroethane-d4	5.72	65	56251	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.60%
32) Benzene-d6	5.74	84	188030	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	6.70	67	60685	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.00%
41) Toluene-d8	7.90	98	149308	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
43) trans-1,3-Dichloropropene-	8.19	79	24402	4.52	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.40%
46) 2-Hexanone-d5	8.64	63	146687	49.68	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.36%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	54164	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	59626	5.75	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.00%

Target Compounds

					Ovalue
3) Chloromethane	1.52	50	1039	0.091 ug/L	96
8) Chloroethane	1.93	64	274	0.032 ug/L #	44
9) Trichlorofluoromethane	2.14	101	1414	0.089 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	516	0.054 ug/L #	22
12) 1,1-Dichloroethene	2.59	96	747	0.079 ug/L #	1
13) Acetone	2.65	43	2624	1.323 ug/L	76
19) 1,1-Dichloroethane	3.89	63	1116	0.061 ug/L #	83
25) Chloroform	5.10	83	9702	0.529 ug/L	95
27) 1,2-Dichloroethane	5.74	62	992	0.080 ug/L #	73
29) 1,1,1-Trichloroethane	5.33	97	1295	0.084 ug/L #	60
33) Benzene	5.75	78	1571	0.037 ug/L	100
34) Trichloroethene	6.56	95	6540	0.608 ug/L	95
35) Methylcyclohexane	6.70	83	14519	0.835 ug/L #	19
37) 1,2-Dichloropropane	6.70	63	6427	0.587 ug/L #	88
44) trans-1,3-Dichloropropene	8.18	75	891	0.061 ug/L #	55
47) Tetrachloroethene	8.55	164	1562	0.208 ug/L	94
48) 2-Hexanone	8.64	43	16491	2.910 ug/L #	68

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jan 08 04:58:19 2021
Response via : Initial Calibration

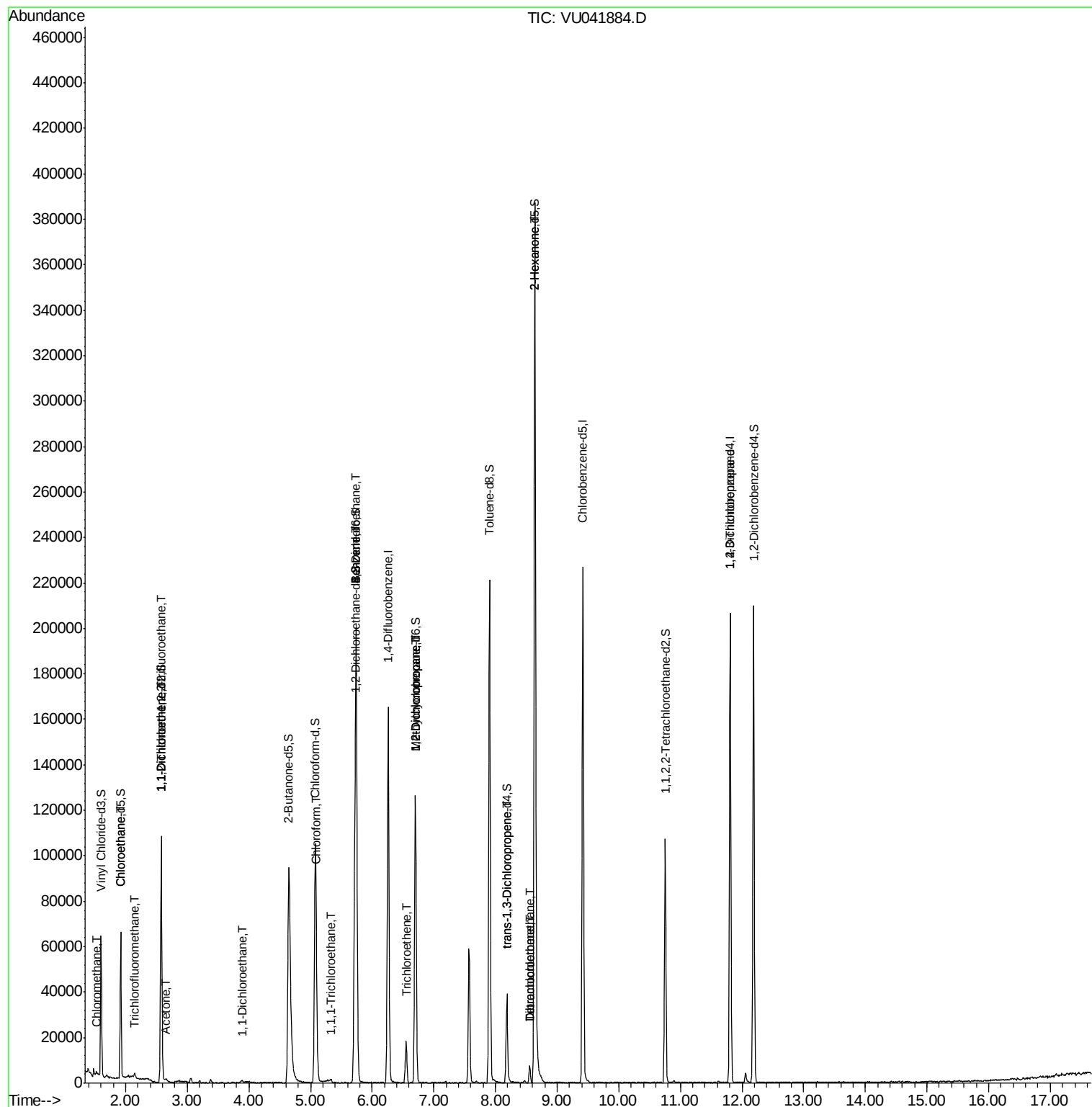
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.55	129	1789	0.192	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	6375	0.776	ug/L	100

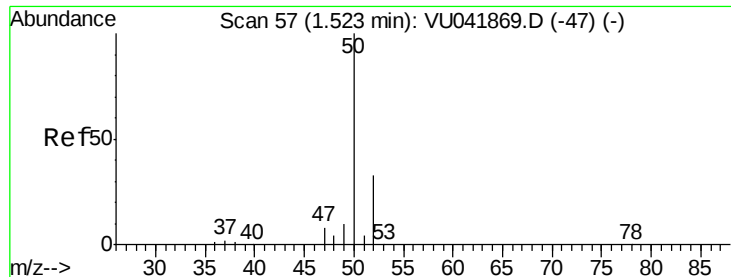
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.091 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041884.D

Acq: 07 Jan 2021 19:52

Instrument :

MSVOA_U

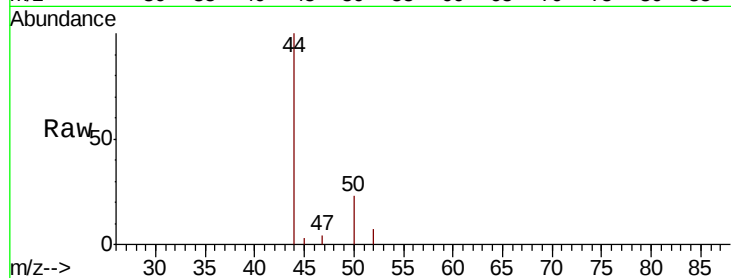
ClientSampleId :

Tot Ion: 50 Resp: 1039

Ion Ratio Lower Upper

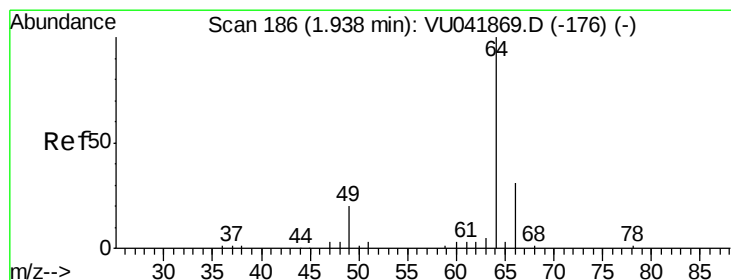
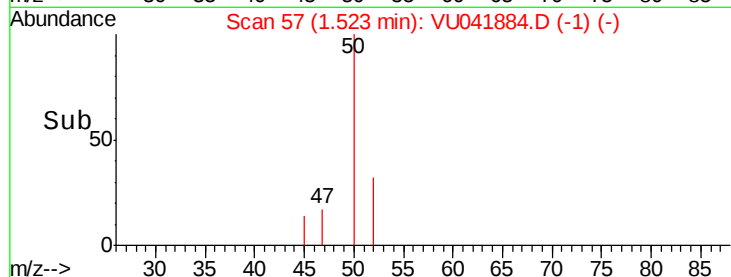
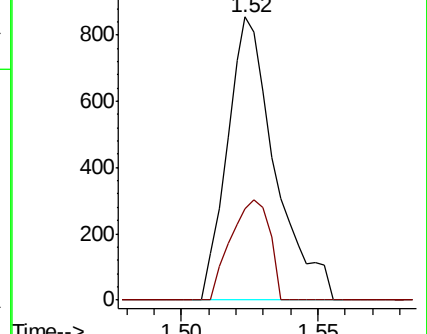
50 100

52 32.1 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#8

Chloroethane

Concen: 0.032 ug/L

RT: 1.93 min Scan# 182

Delta R.T. -0.01 min

Lab File: VU041884.D

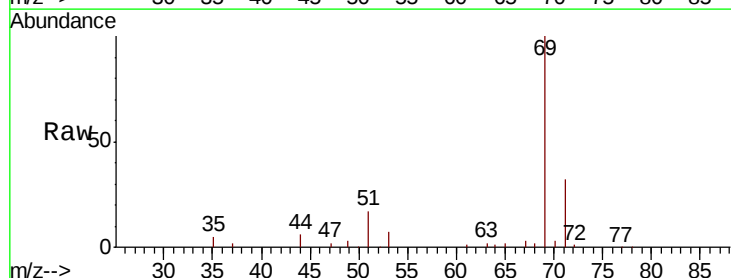
Acq: 07 Jan 2021 19:52

Tgt Ion: 64 Resp: 274

Ion Ratio Lower Upper

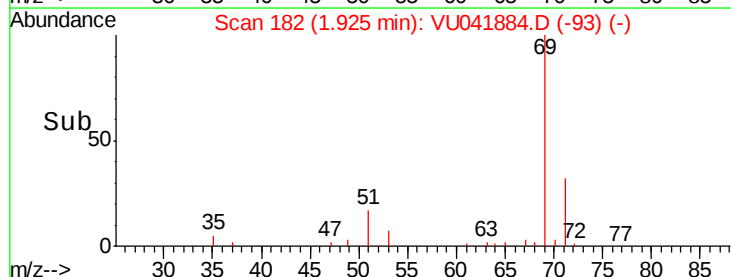
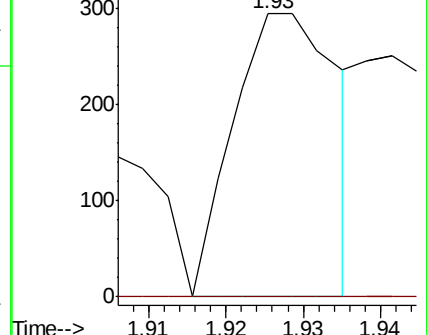
64 100

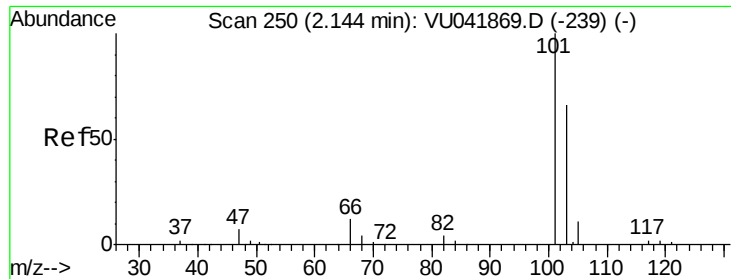
66 0.0 21.6 40.0#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



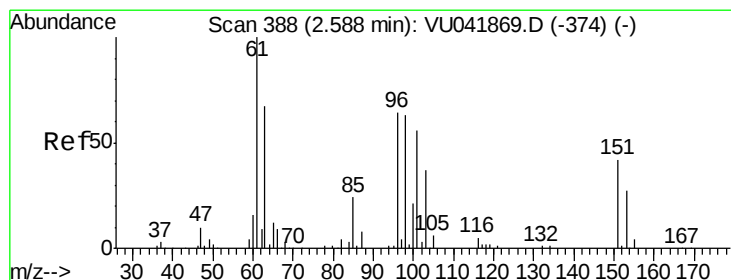
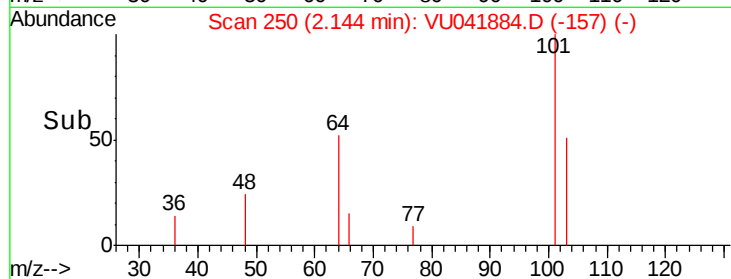
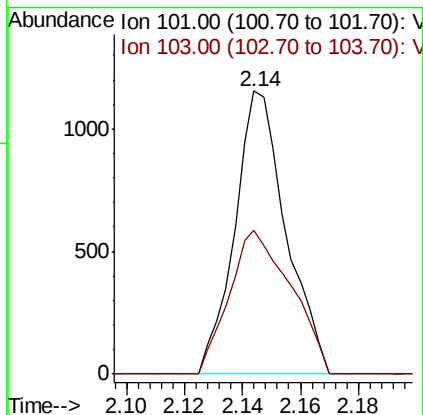
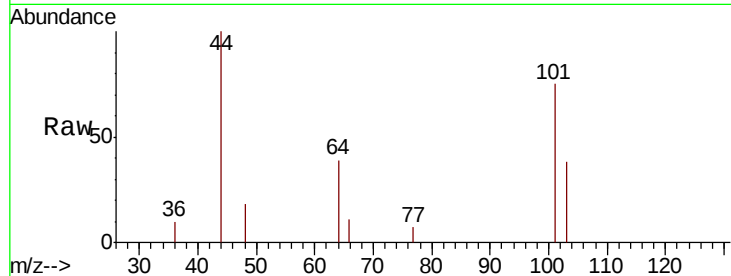


#9

Trichlorofluoromethane
 Concen: 0.089 ug/L
 RT: 2.14 min Scan# 250
 Delta R.T. 0.00 min
 Lab File: VU041884.D
 Acq: 07 Jan 2021 19:52

Instrument :
 MSVOA_U
 ClientSampled :

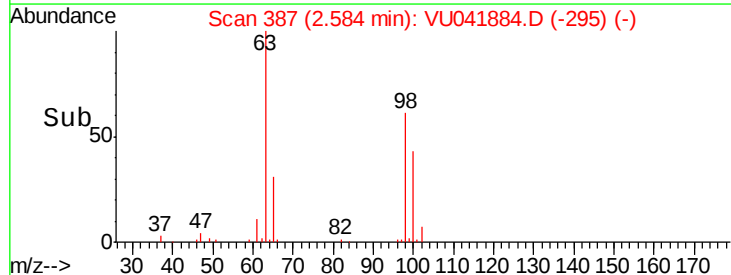
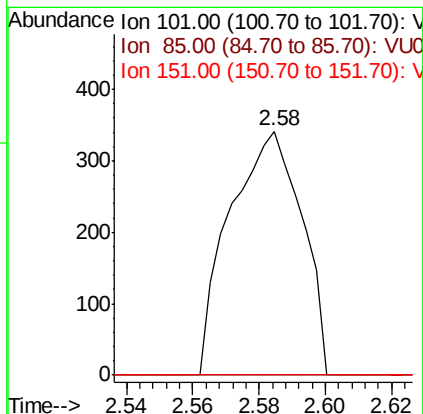
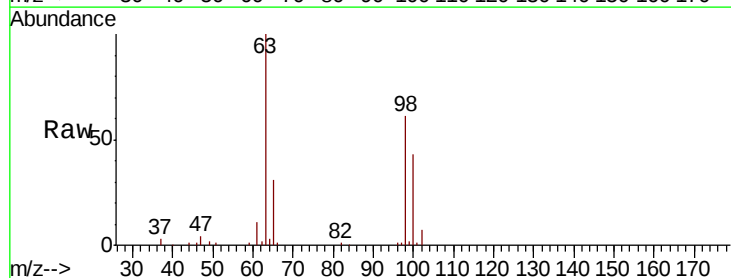
Tot Ion:101 Resp: 1414
 Ion Ratio Lower Upper
 101 100
 103 61.2 51.1 76.7

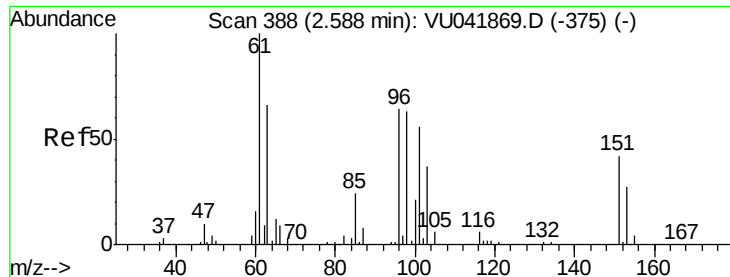


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.054 ug/L
 RT: 2.58 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VU041884.D
 Acq: 07 Jan 2021 19:52

Tgt Ion:101 Resp: 516
 Ion Ratio Lower Upper
 101 100
 85 0.0 33.6 50.4#
 151 0.0 56.2 84.4#

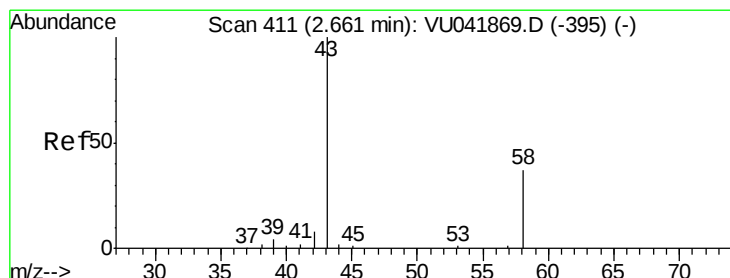
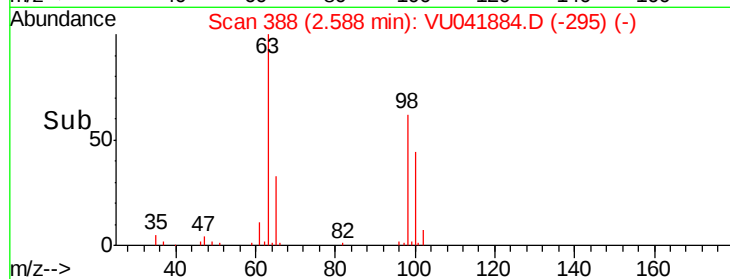
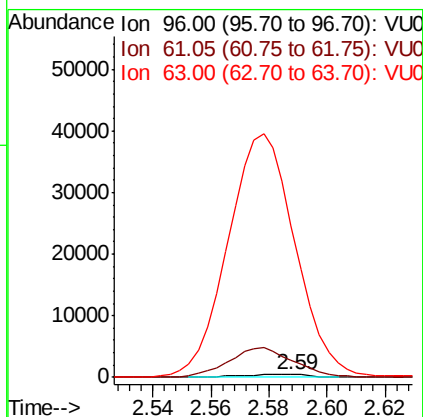
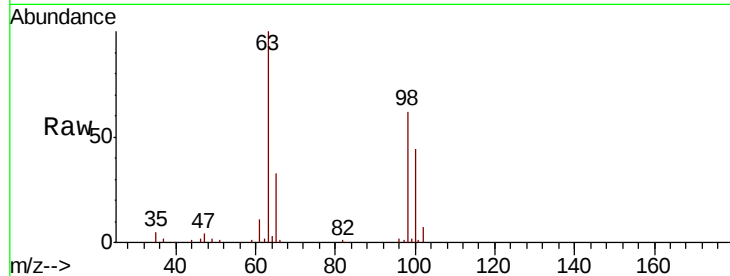




#12
 1,1-Dichloroethene
 Concen: 0.079 ug/L
 RT: 2.59 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VU041884.D
 Acq: 07 Jan 2021 19:52

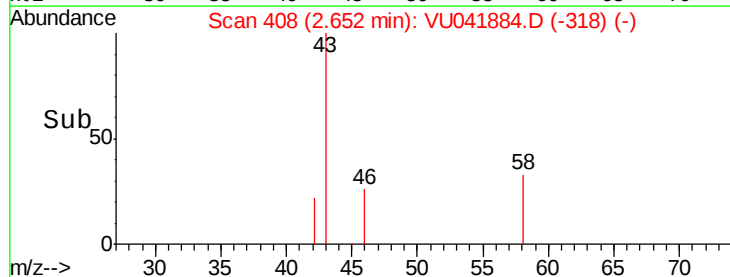
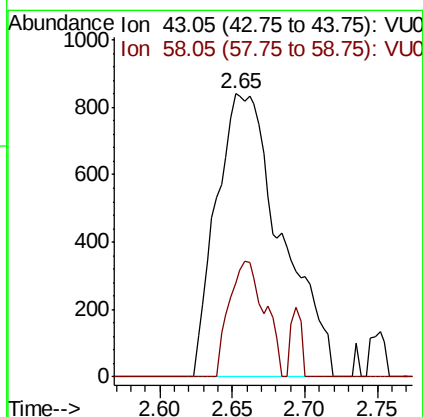
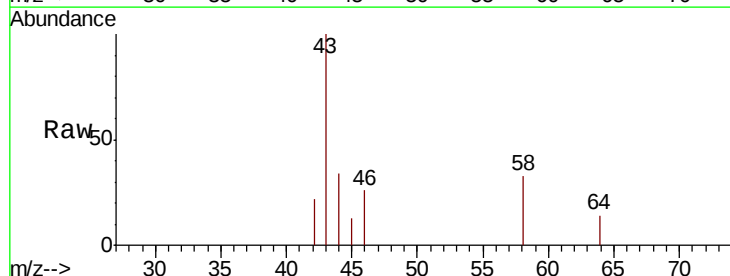
Instrument :
 MSVOA_U
 ClientSampled :

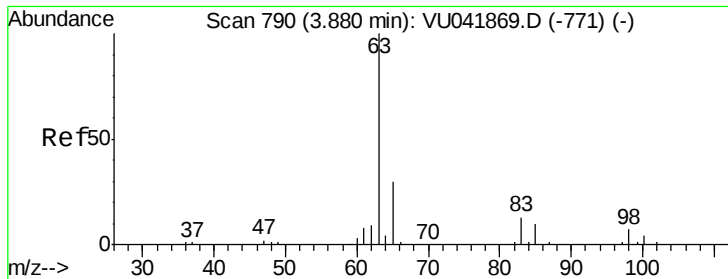
Tot Ion: 96 Resp: 747
 Ion Ratio Lower Upper
 96 100
 61 604.3 123.8 230.0#
 63 5569.2 81.0 150.4#



#13
 Acetone
 Concen: 1.323 ug/L
 RT: 2.65 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VU041884.D
 Acq: 07 Jan 2021 19:52

Tgt Ion: 43 Resp: 2624
 Ion Ratio Lower Upper
 43 100
 58 22.3 0.0 73.2

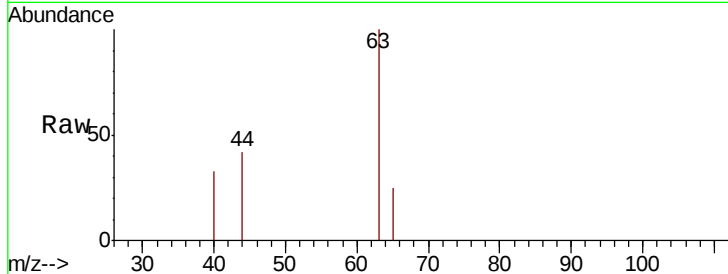




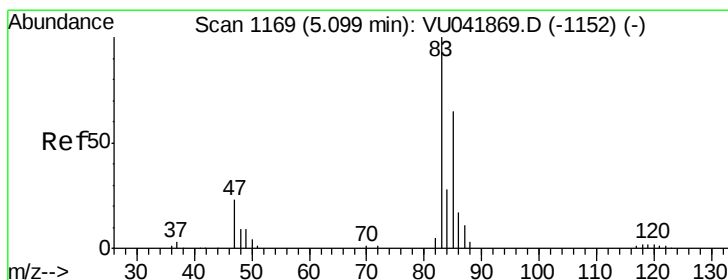
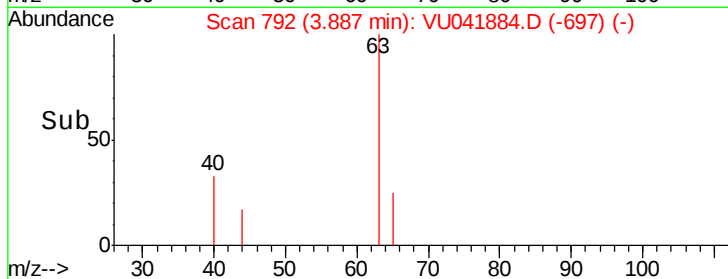
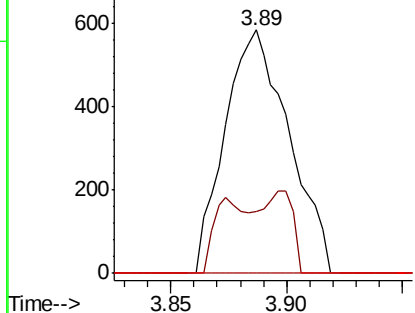
#19
 1,1-Dichloroethane
 Concen: 0.061 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. 0.01 min
 Lab File: VU041884.D
 Acq: 07 Jan 2021 19:52

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 1116
 Ion Ratio Lower Upper
 63 100
 65 25.1 21.3 39.6
 83 0.0 9.3 17.3#

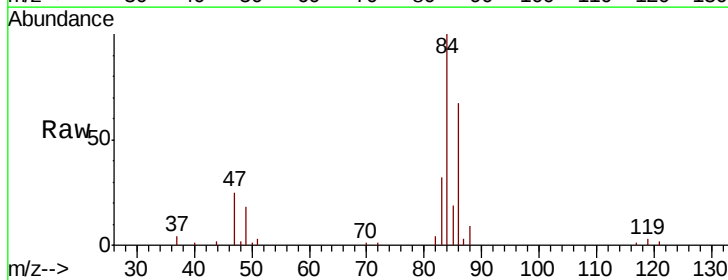


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

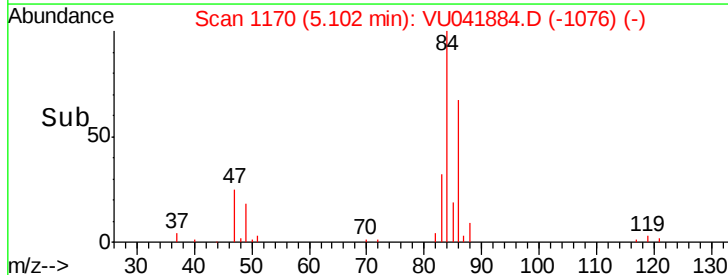
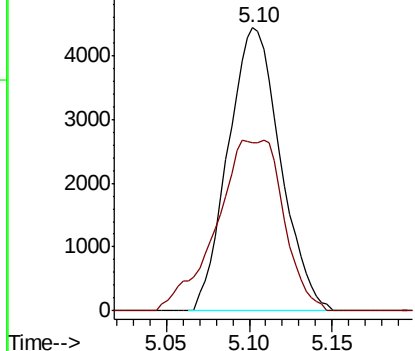


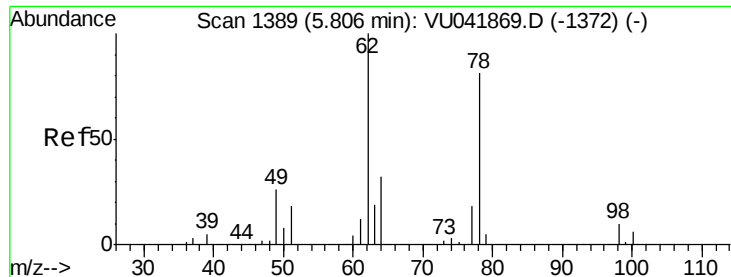
#25
 Chloroform
 Concen: 0.529 ug/L
 RT: 5.10 min Scan# 1170
 Delta R.T. 0.00 min
 Lab File: VU041884.D
 Acq: 07 Jan 2021 19:52

Tgt Ion: 83 Resp: 9702
 Ion Ratio Lower Upper
 83 100
 85 59.4 44.2 82.0



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

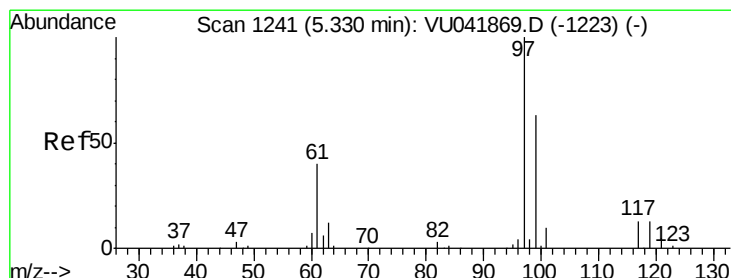
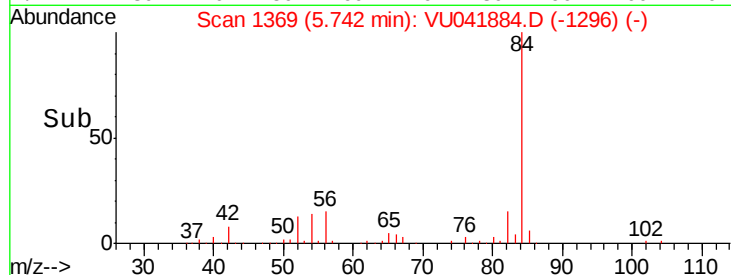
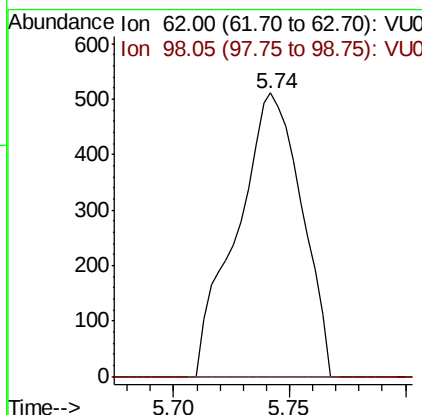
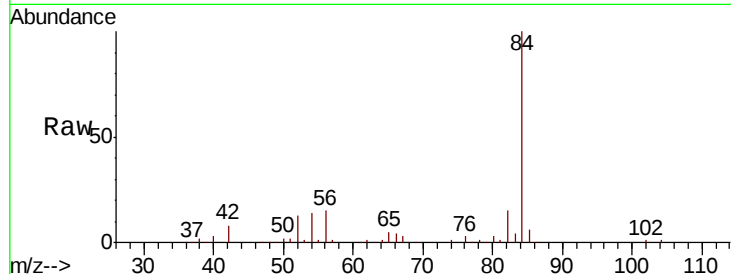




#27
 1,2-Dichloroethane
 Concen: 0.080 ug/L
 RT: 5.74 min Scan# 1369
 Delta R.T. -0.06 min
 Lab File: VU041884.D
 Acq: 07 Jan 2021 19:52

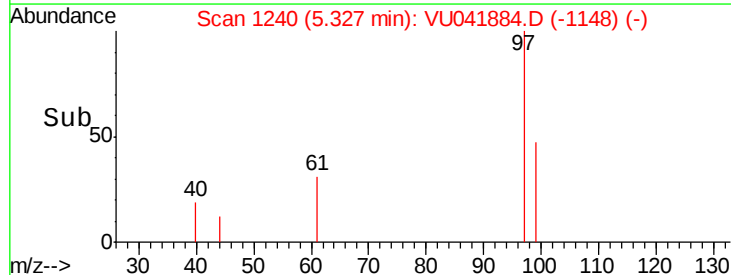
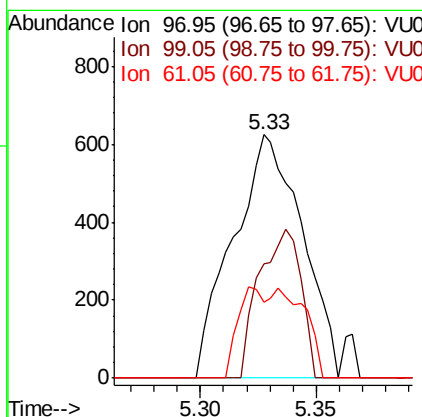
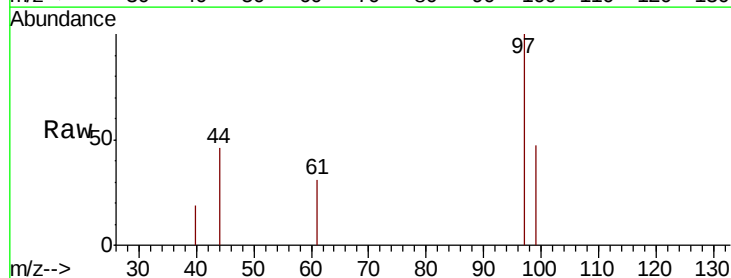
Instrument :
 MSVOA_U
 ClientSampleId :

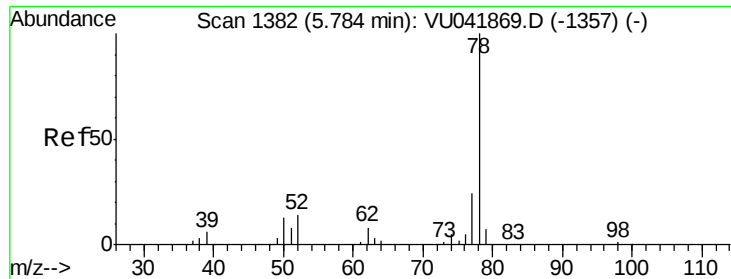
Tot Ion: 62 Resp: 992
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.2 12.2#



#29
 1,1,1-Trichloroethane
 Concen: 0.084 ug/L
 RT: 5.33 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VU041884.D
 Acq: 07 Jan 2021 19:52

Tgt Ion: 97 Resp: 1295
 Ion Ratio Lower Upper
 97 100
 99 37.1 51.3 76.9#
 61 14.1 36.5 54.7#





#33

Benzene

Concen: 0.037 ug/L

RT: 5.75 min Scan# 1370

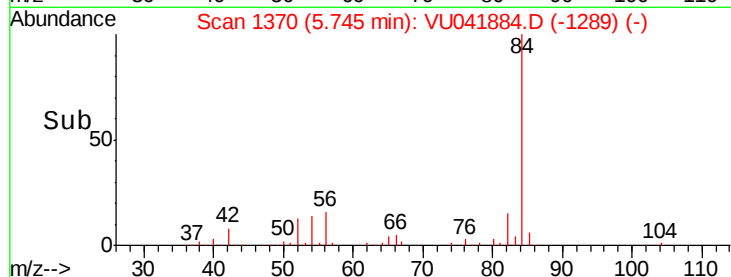
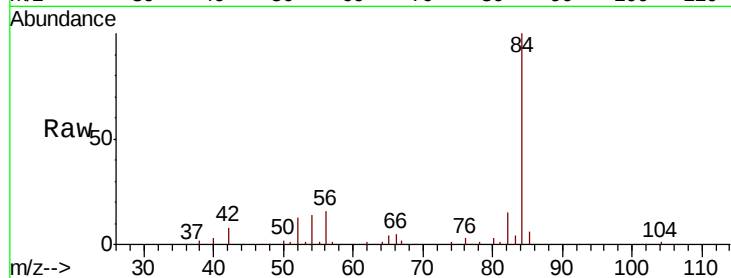
Delta R.T. -0.04 min

Lab File: VU041884.D

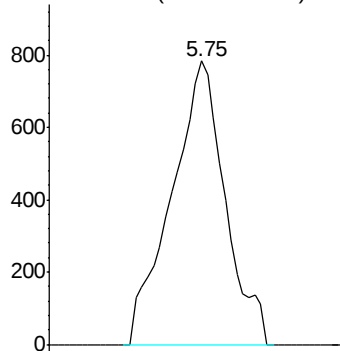
Acq: 07 Jan 2021 19:52

Instrument :
MSVOA_U
ClientSampled :

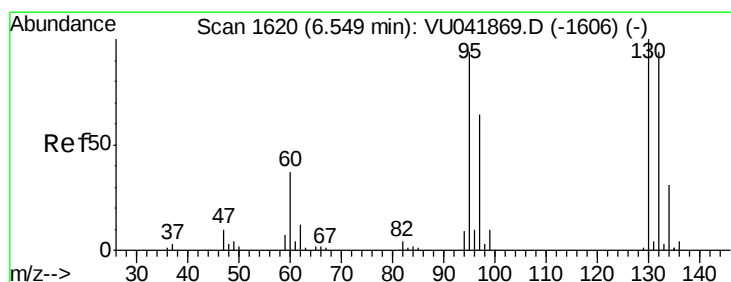
Tgt Ion: 78 Resp: 1571



Abundance Ion 78.10 (77.80 to 78.80): VU0



Time-->



#34

Trichloroethene

Concen: 0.608 ug/L

RT: 6.56 min Scan# 1622

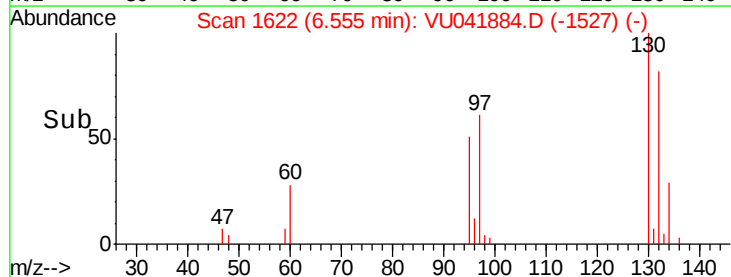
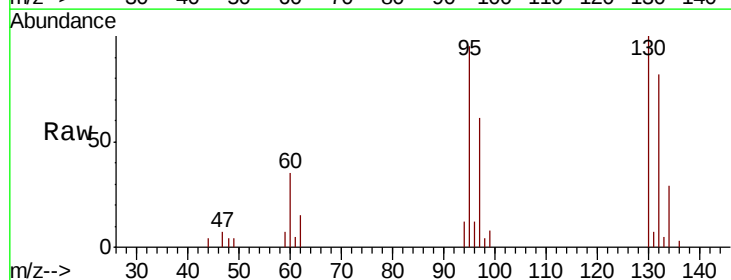
Delta R.T. 0.01 min

Lab File: VU041884.D

Acq: 07 Jan 2021 19:52

Tgt Ion: 95 Resp: 6540

Ion	Ratio	Lower	Upper
95	100		
97	63.9	43.9	81.5
132	86.8	63.1	117.3
130	105.2	67.4	125.2

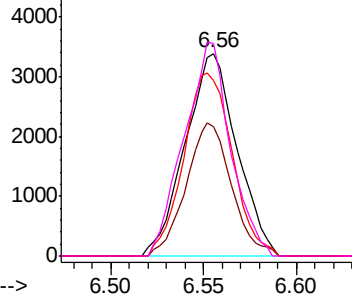


Abundance Ion 95.00 (94.70 to 95.70): VU0

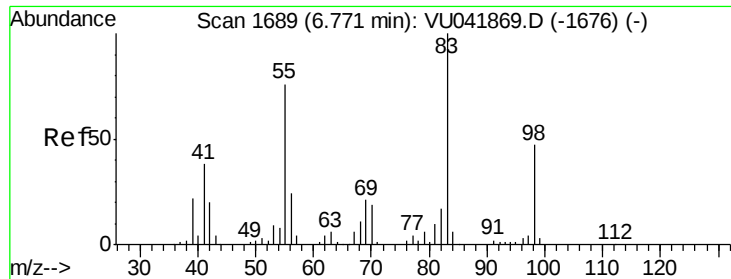
Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



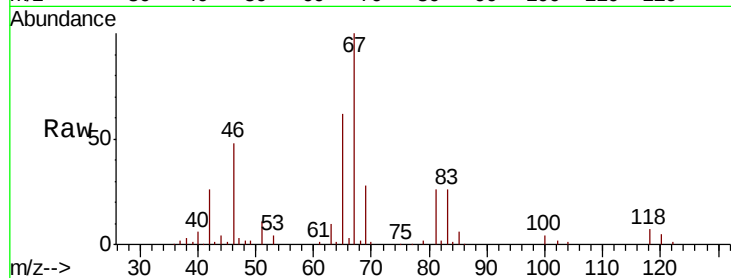
Time-->



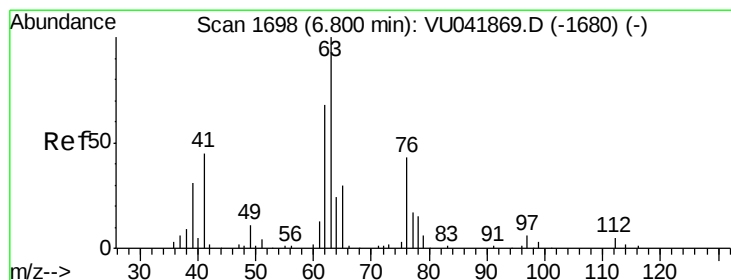
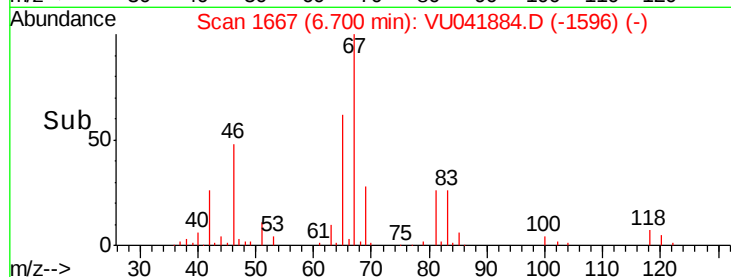
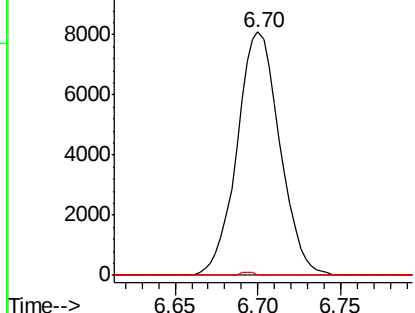
#35
Methvlcvclohexane
Concen: 0.835 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041884.D
Acq: 07 Jan 2021 19:52

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 14519
Ion Ratio Lower Upper
83 100
55 0.0 61.2 91.8#
98 0.4 36.6 54.8#

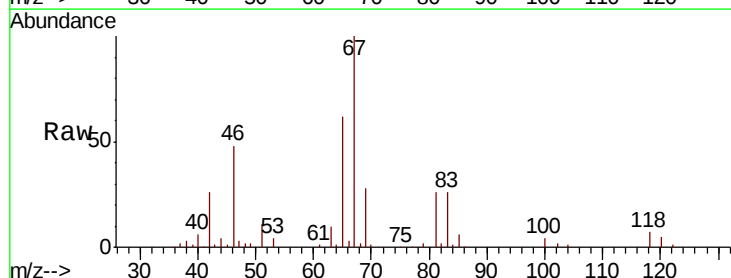


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

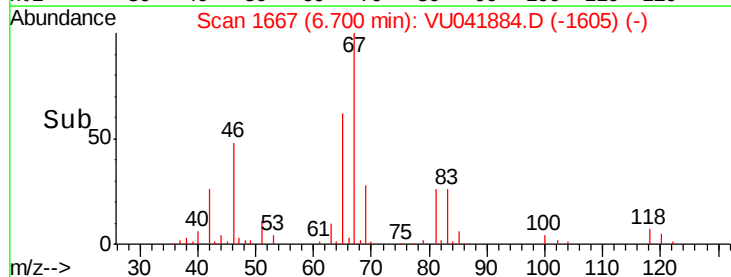
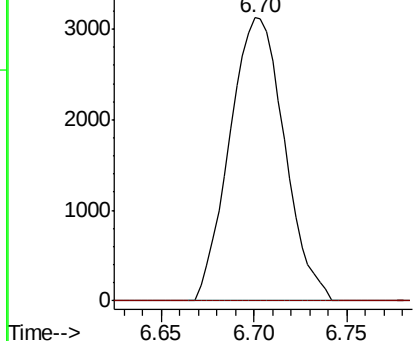


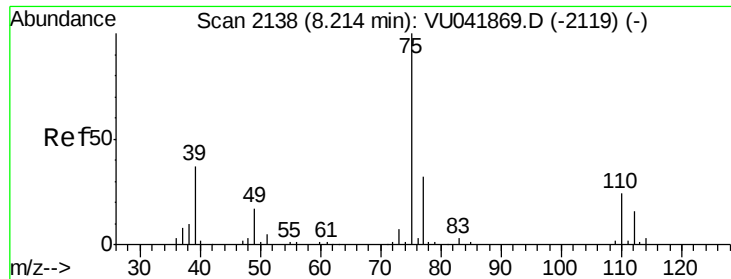
#37
1,2-Dichloropropane
Concen: 0.587 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041884.D
Acq: 07 Jan 2021 19:52

Tgt Ion: 63 Resp: 6427
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

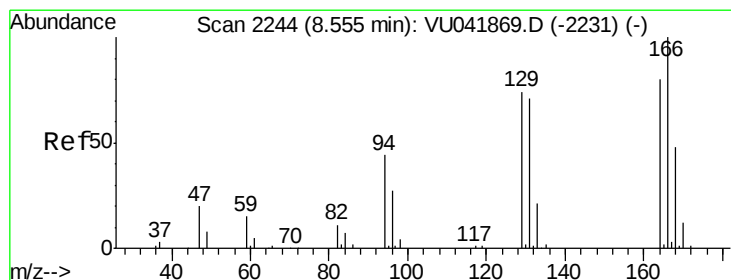
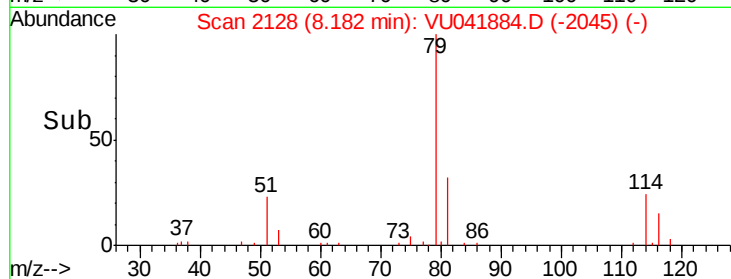
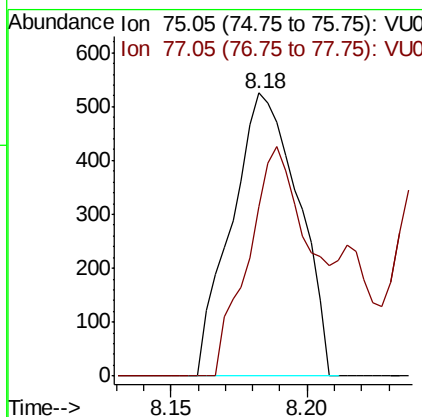
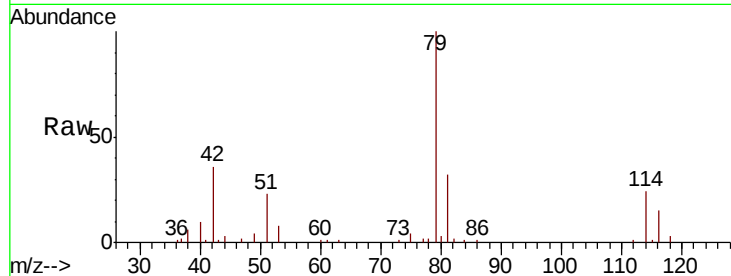




#44
trans-1,3-Dichloropropene
Concen: 0.061 ug/L
RT: 8.18 min Scan# 2128
Delta R.T. -0.03 min
Lab File: VU041884.D
Acq: 07 Jan 2021 19:52

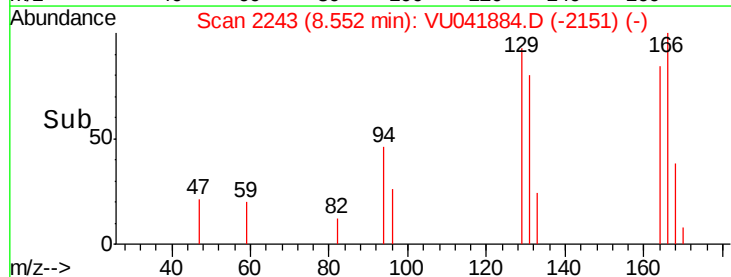
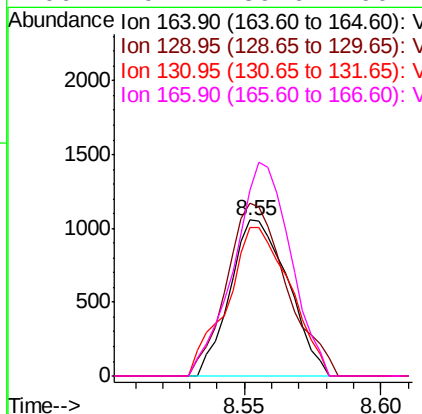
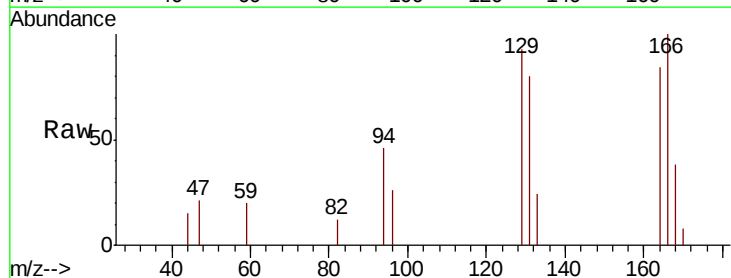
Instrument :
MSVOA_U
ClientSampleId :

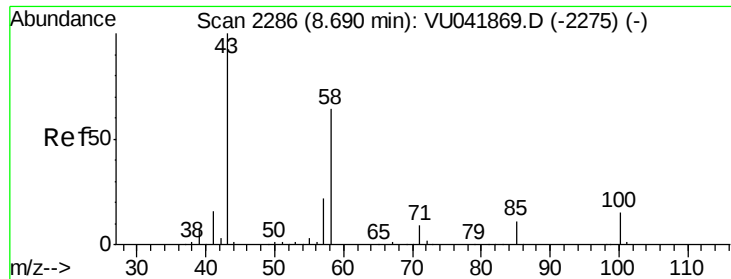
Tot Ion: 75 Resp: 891
Ion Ratio Lower Upper
75 100
77 60.0 23.8 44.2#



#47
Tetrachloroethene
Concen: 0.208 ug/L
RT: 8.55 min Scan# 2243
Delta R.T. -0.00 min
Lab File: VU041884.D
Acq: 07 Jan 2021 19:52

Tgt Ion:164 Resp: 1562
Ion Ratio Lower Upper
164 100
129 111.2 72.2 134.0
131 95.2 66.9 124.3
166 119.2 89.6 166.4

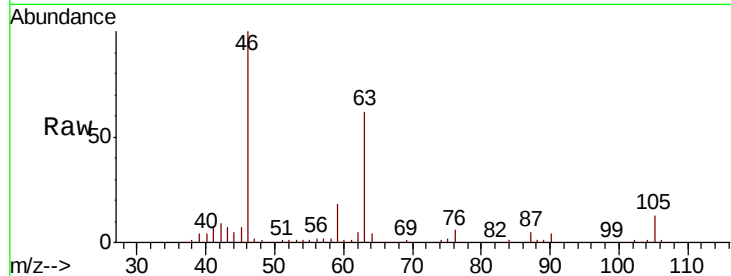




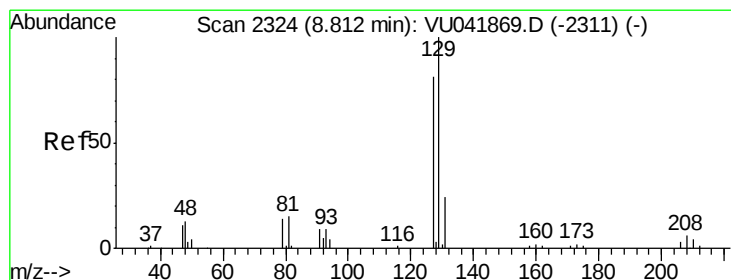
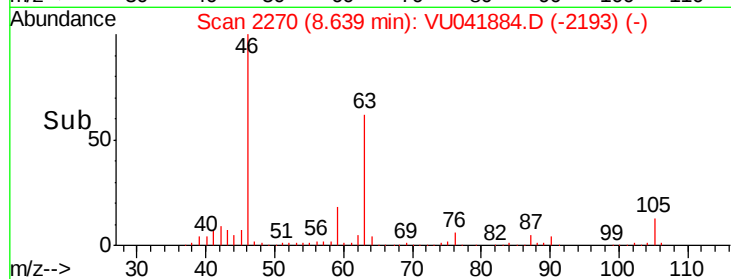
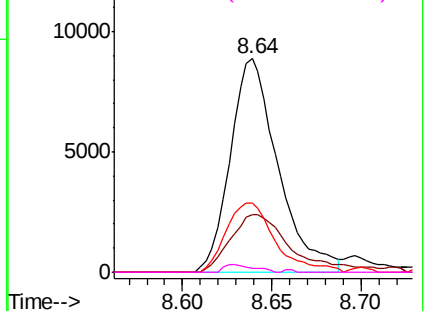
#48
2-Hexanone
Concen: 2.910 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041884.D
Acq: 07 Jan 2021 19:52

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
58	33.6	47.9	71.9#
57	33.3	16.5	24.7#
100	2.3	9.4	14.2#

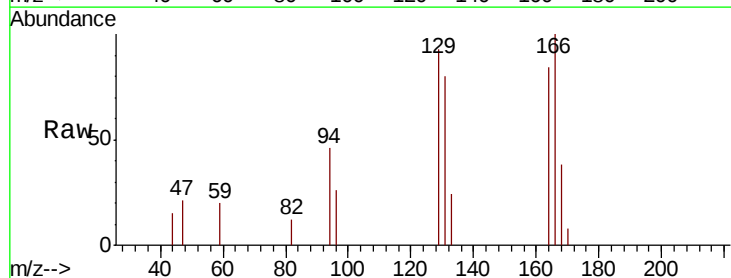


Abundance Ion 43.05 (42.75 to 43.75): VU041869.D (-2275) (-)

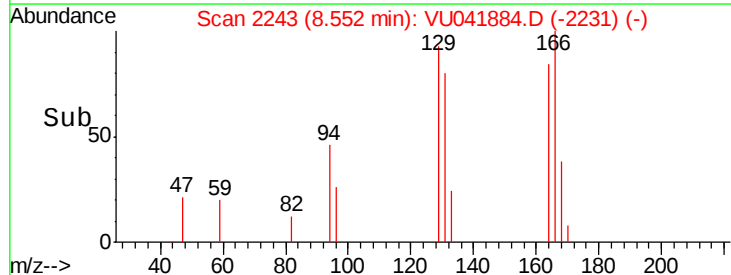
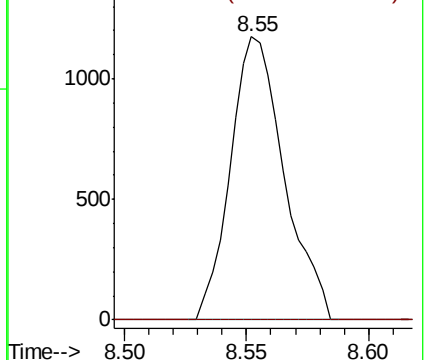


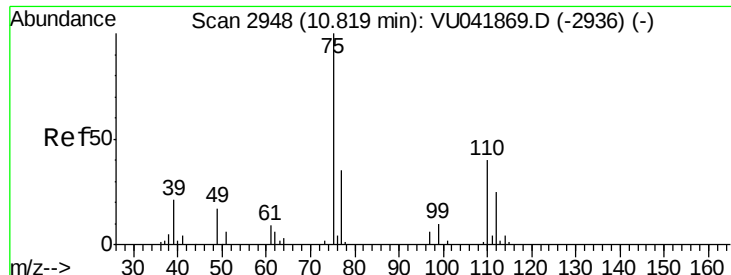
#49
Dibromochloromethane
Concen: 0.192 ug/L
RT: 8.55 min Scan# 2243
Delta R.T. -0.26 min
Lab File: VU041884.D
Acq: 07 Jan 2021 19:52

Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.7	101.7#



Abundance Ion 128.95 (128.65 to 129.65): VU041869.D (-2311) (-)





#59

1,2,3-Trichloropropane

Concen: 0.776 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041884.D

Acq: 07 Jan 2021 19:52

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 6375

Ion Ratio Lower Upper

75 100

77 32.6 26.2 39.2

