

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010921\
 Data File : VU041880.D
 Acq On : 07 Jan 2021 18:17
 Operator : SY/MD
 Sample : M1026-11
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 08 05:01:01 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	133462	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	130856	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	57125	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	42878	4.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.20%
7) Chloroethane-d5	1.92	69	45248	5.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	112.00%
11) 1,1-Dichloroethene-d2	2.58	63	63018	3.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.60%
20) 2-Butanone-d5	4.65	46	175261	58.48	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.96%
24) Chloroform-d	5.08	84	102585	5.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.80%
26) 1,2-Dichloroethane-d4	5.72	65	57262	5.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.00%
32) Benzene-d6	5.74	84	191564	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
36) 1,2-Dichloropropane-d6	6.70	67	60285	5.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.60%
41) Toluene-d8	7.90	98	148793	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.00%
43) trans-1,3-Dichloropropene-	8.19	79	23051	4.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.20%
46) 2-Hexanone-d5	8.64	63	135994	47.09	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.18%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	54353	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	57132	5.62	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	78567	6.949 ug/L	100
3) Chloromethane	1.52	50	1900	0.173 ug/L	93
9) Trichlorofluoromethane	2.15	101	8143	0.530 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	887	0.097 ug/L #	33
12) 1,1-Dichloroethene	2.58	96	538	0.059 ug/L #	1
13) Acetone	2.66	43	2729	1.431 ug/L	89
16) Methylene chloride	3.06	84	2026	0.187 ug/L	82
17) Methyl tert-butyl Ether	3.38	73	13619	0.564 ug/L	98
19) 1,1-Dichloroethane	3.88	63	9369	0.535 ug/L	98
25) Chloroform	5.11	83	5212	0.296 ug/L	84
29) 1,1,1-Trichloroethane	5.33	97	1896	0.126 ug/L	93
34) Trichloroethene	6.55	95	15262	1.451 ug/L	93
35) Methylcyclohexane	6.71	83	14009	0.824 ug/L #	19
37) 1,2-Dichloropropane	6.70	63	6534	0.610 ug/L #	88
39) cis-1,3-Dichloropropene	7.58	75	1326	0.084 ug/L #	54
44) trans-1,3-Dichloropropene	8.18	75	1116	0.079 ug/L	86
47) Tetrachloroethene	8.56	164	3598	0.489 ug/L	88

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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

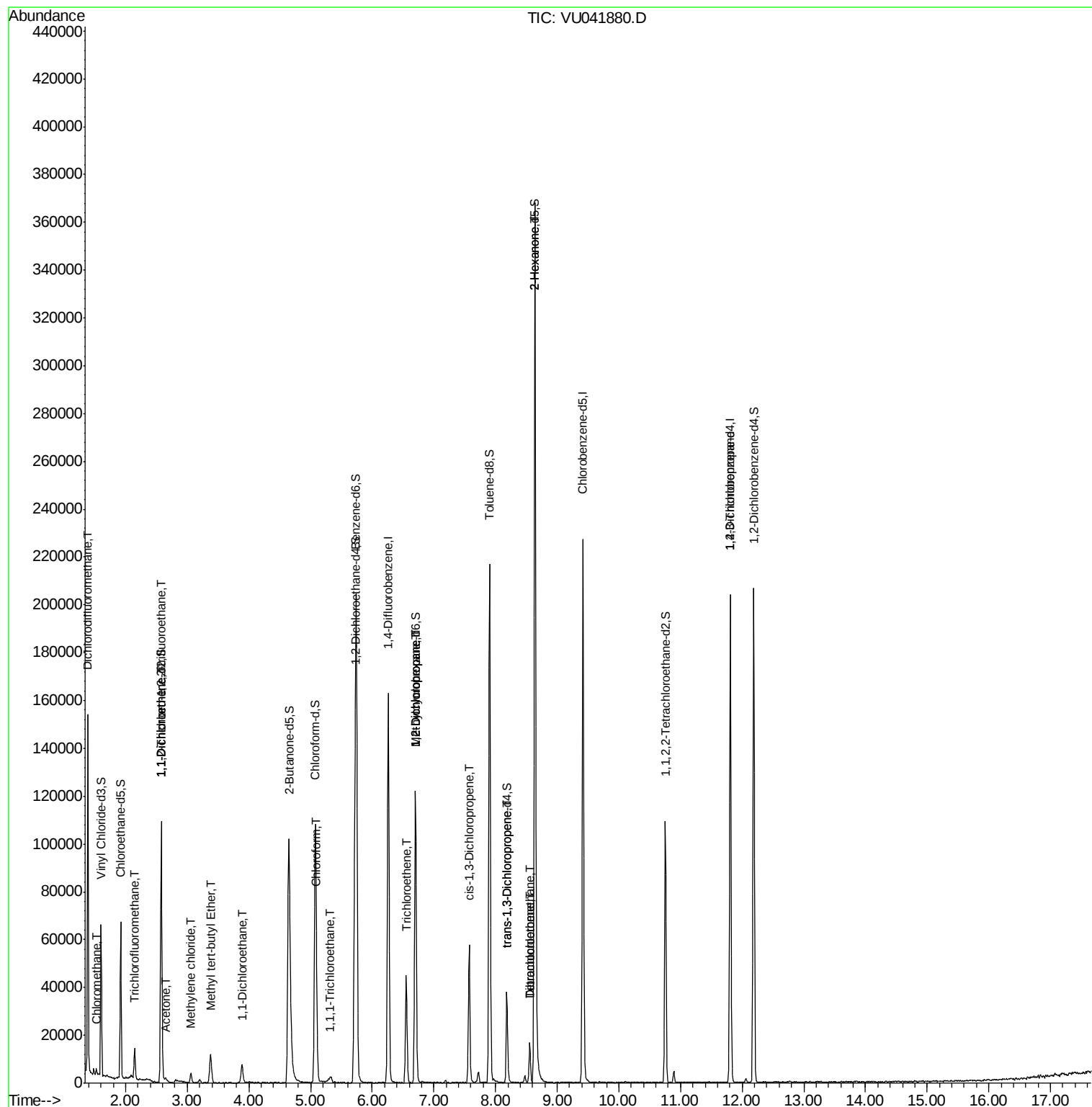
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	8.64	43	14165	2.555	ug/L #	67
49) Dibromochloromethane	8.56	129	3467	0.381	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	5922	0.737	ug/L	96

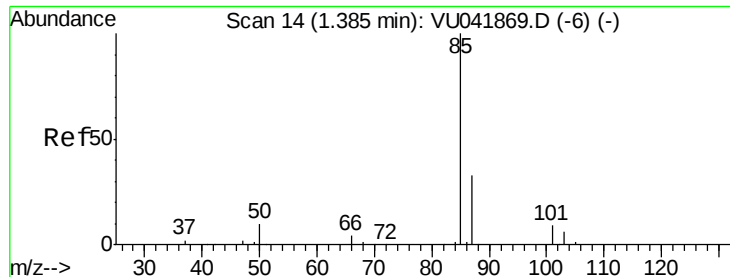
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 6.949 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041880.D

Acq: 07 Jan 2021 18:17

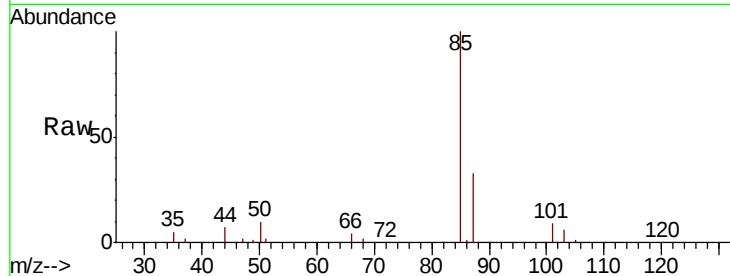
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 78567

Ion Ratio Lower Upper

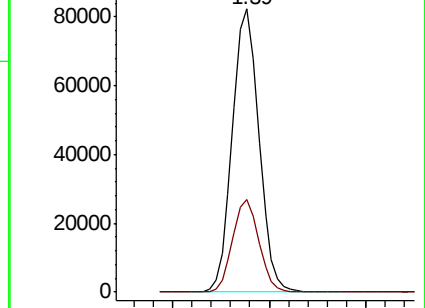
85 100

87 32.3 25.8 38.6

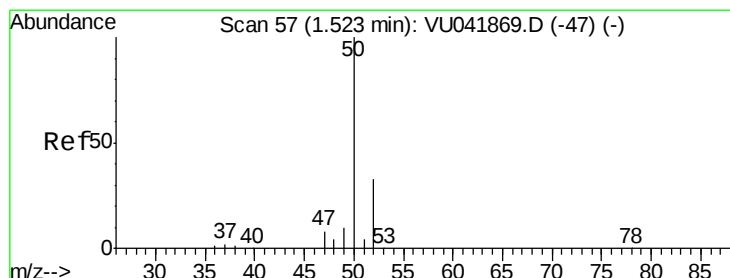
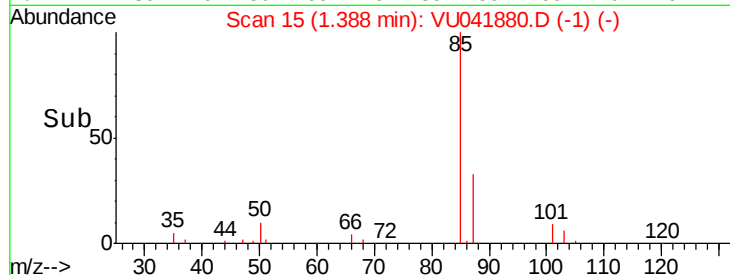


Abundance Ion 85.00 (84.70 to 85.70): VU041869.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VU041869.D (-6) (-)



Time-->



#3

Chloromethane

Concen: 0.173 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041880.D

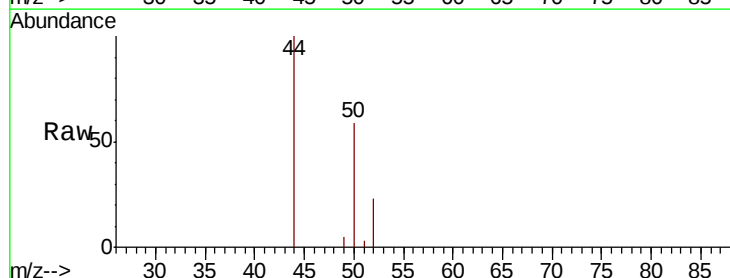
Acq: 07 Jan 2021 18:17

Tgt Ion: 50 Resp: 1900

Ion Ratio Lower Upper

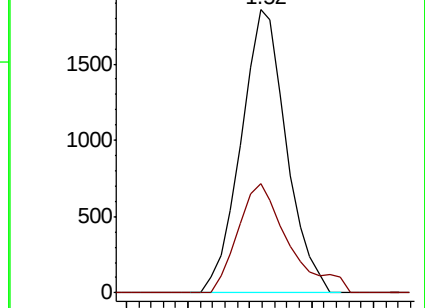
50 100

52 38.5 24.1 44.8

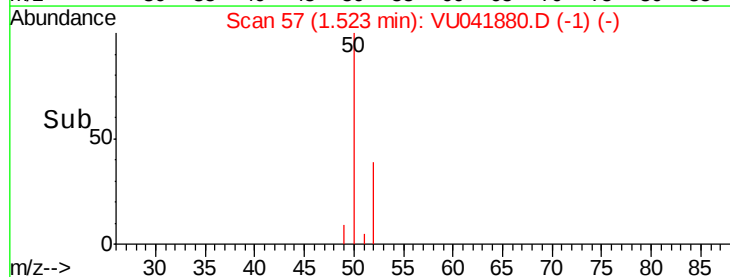


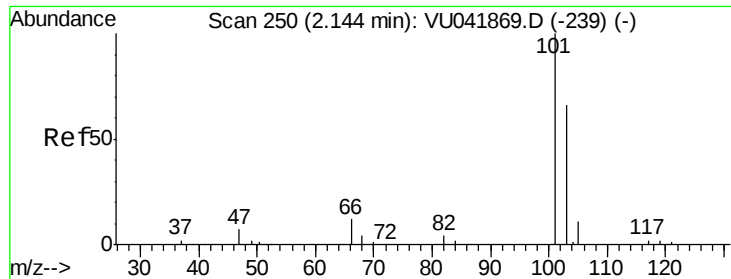
Abundance Ion 50.05 (49.75 to 50.75): VU041869.D (-47) (-)

Ion 52.05 (51.75 to 52.75): VU041869.D (-47) (-)



Time-->



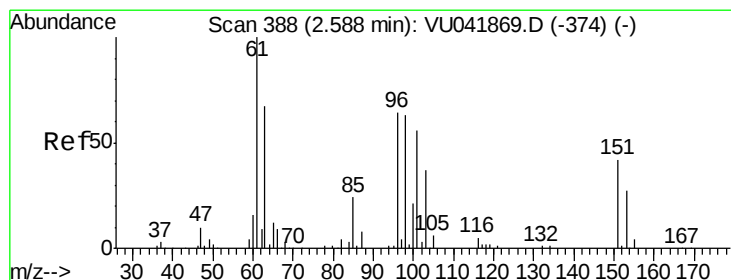
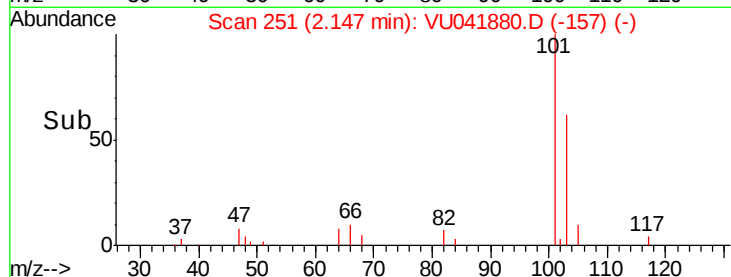
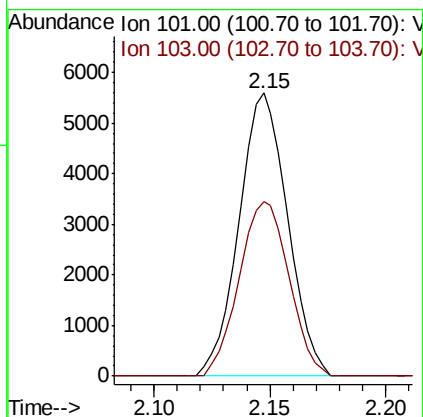
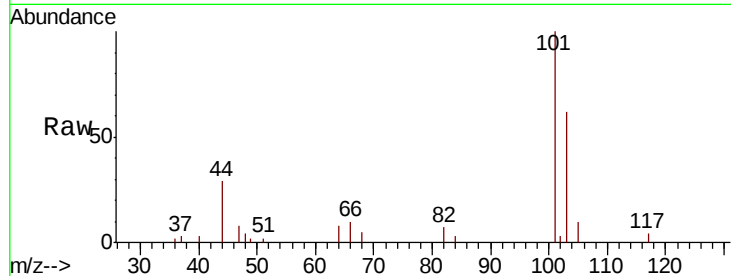


#9

Trichlorofluoromethane
Concen: 0.530 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU041880.D
Acq: 07 Jan 2021 18:17

Instrument :
MSVOA_U
ClientSampleId :

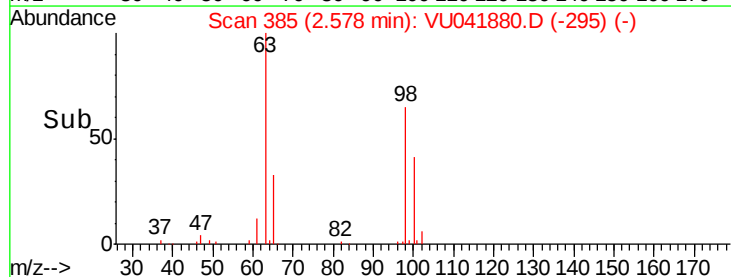
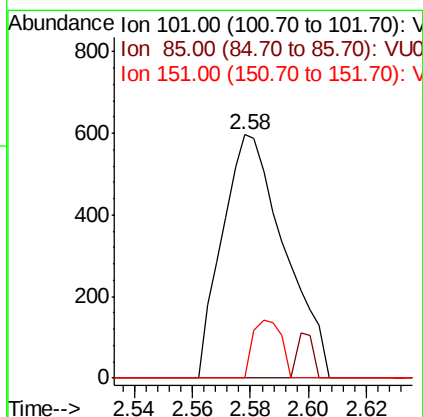
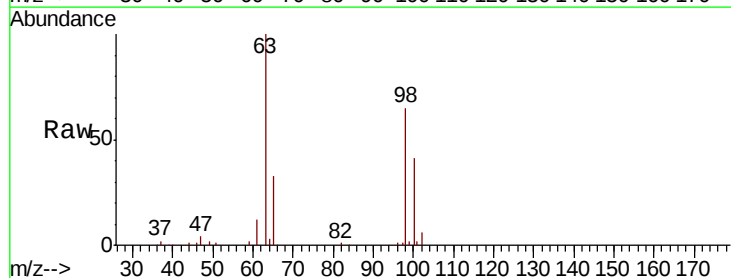
Tot Ion:101 Resp: 8143
Ion Ratio Lower Upper
101 100
103 63.2 51.1 76.7

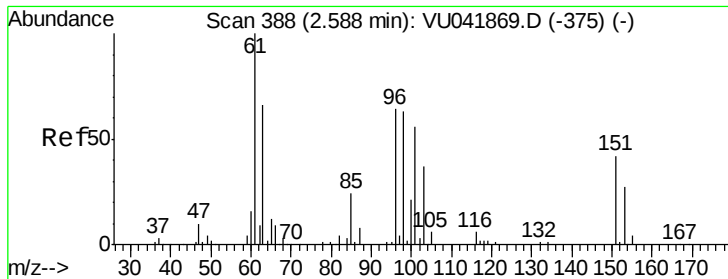


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.097 ug/L
RT: 2.58 min Scan# 385
Delta R.T. -0.01 min
Lab File: VU041880.D
Acq: 07 Jan 2021 18:17

Tgt Ion:101 Resp: 887
Ion Ratio Lower Upper
101 100
85 4.7 33.6 50.4#
151 10.8 56.2 84.4#

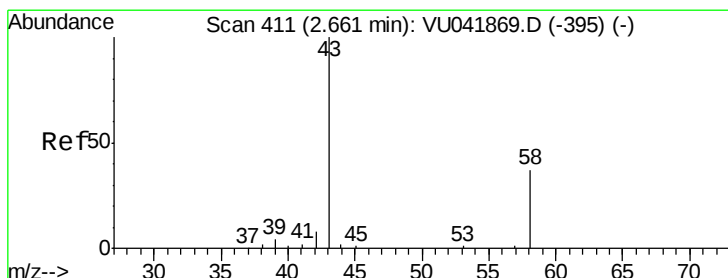
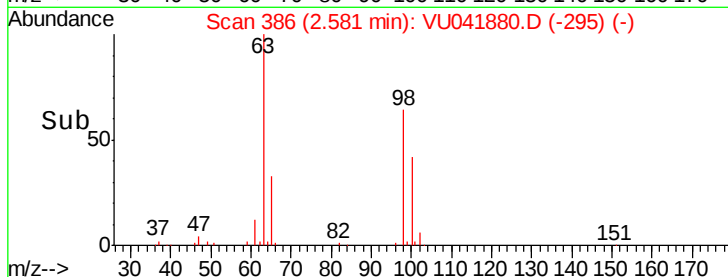
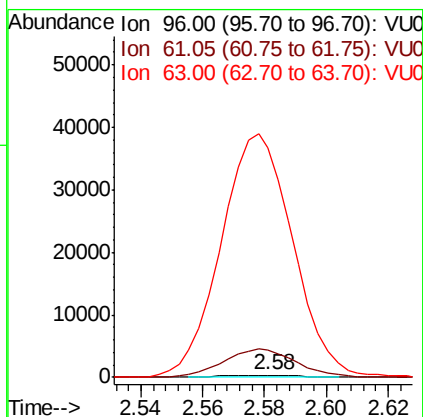
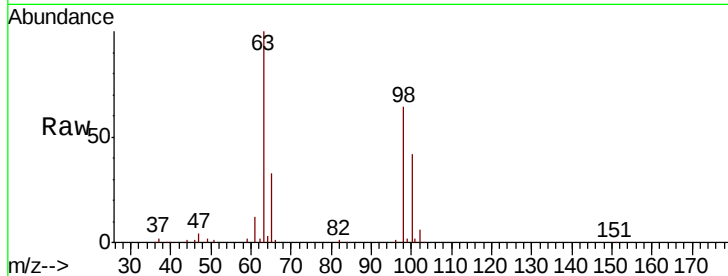




#12
 1,1-Dichloroethene
 Concen: 0.059 ug/L
 RT: 2.58 min Scan# 386
 Delta R.T. -0.01 min
 Lab File: VU041880.D
 Acq: 07 Jan 2021 18:17

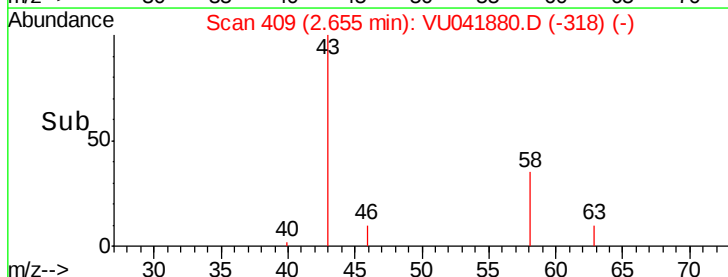
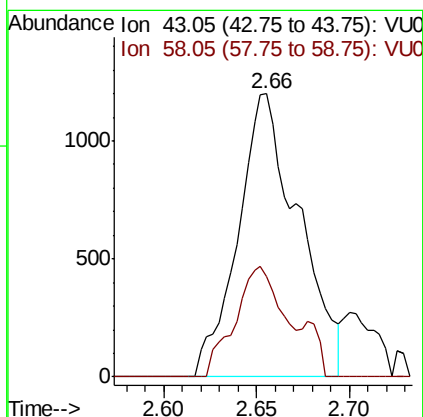
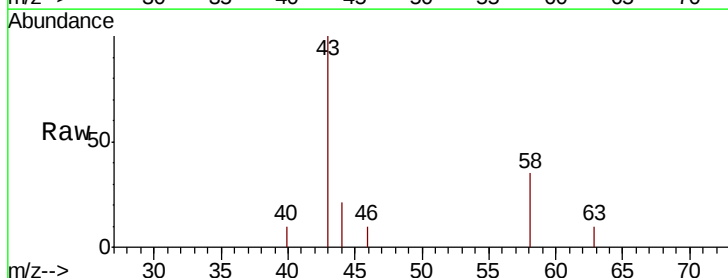
Instrument :
 MSVOA_U
 ClientSampleId :

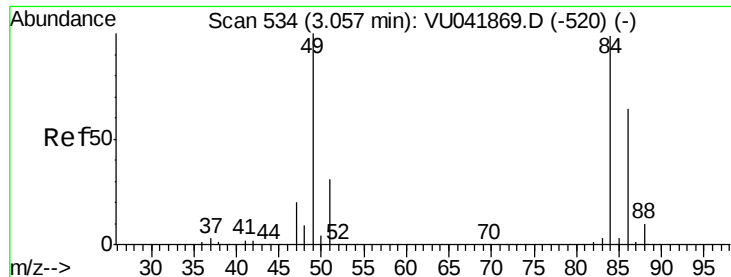
Tot Ion: 96 Resp: 538
 Ion Ratio Lower Upper
 96 100
 61 1201.9 123.8 230.0#
 63 9971.7 81.0 150.4#



#13
 Acetone
 Concen: 1.431 ug/L
 RT: 2.66 min Scan# 409
 Delta R.T. -0.01 min
 Lab File: VU041880.D
 Acq: 07 Jan 2021 18:17

Tgt Ion: 43 Resp: 2729
 Ion Ratio Lower Upper
 43 100
 58 30.2 0.0 73.2

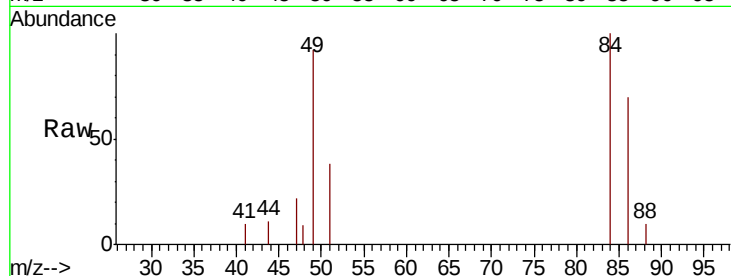




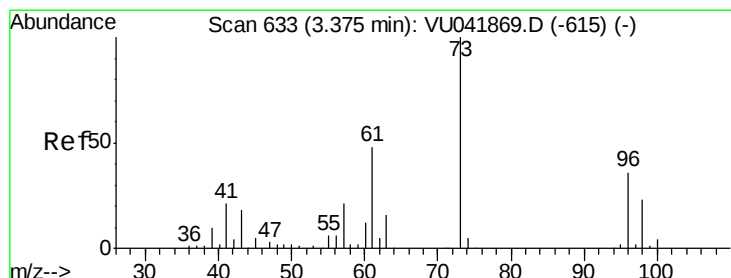
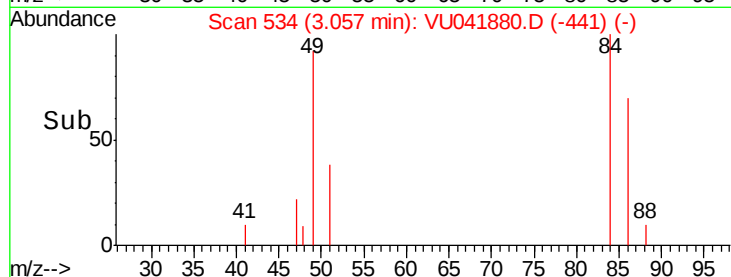
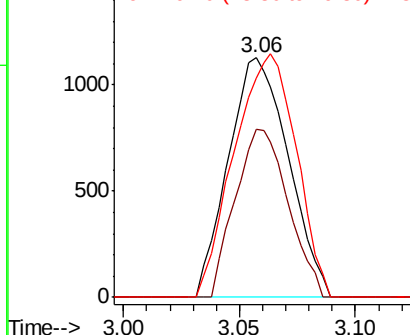
#16
Methvlene chloride
Concen: 0.187 ug/L
RT: 3.06 min Scan# 534
Delta R.T. 0.00 min
Lab File: VU041880.D
Acq: 07 Jan 2021 18:17

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 84 Resp: 2026
Ion Ratio Lower Upper
84 100
86 70.2 45.1 83.7
49 91.7 83.1 154.3

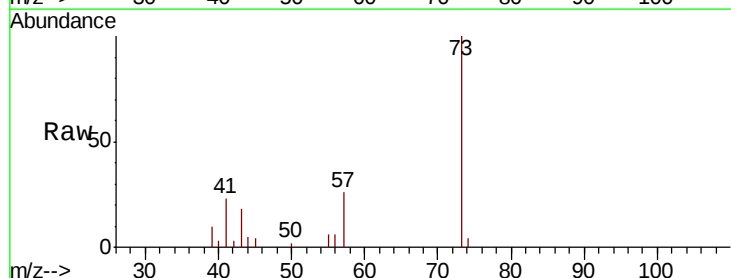


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

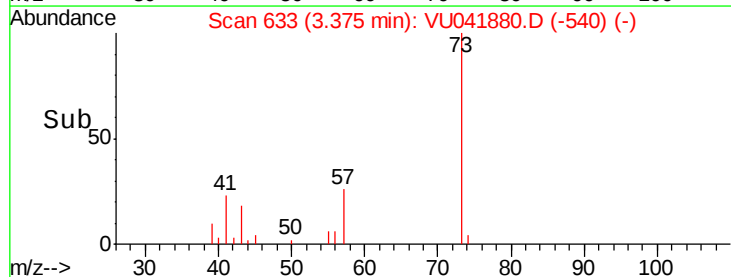
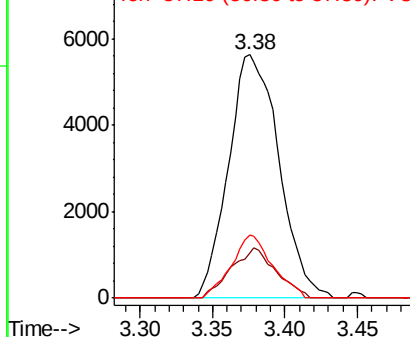


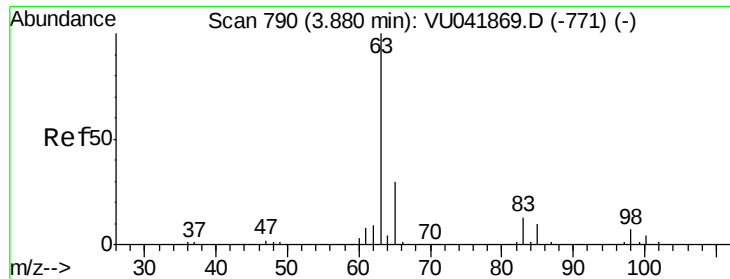
#17
Methyl tert-butyl Ether
Concen: 0.564 ug/L
RT: 3.38 min Scan# 633
Delta R.T. 0.00 min
Lab File: VU041880.D
Acq: 07 Jan 2021 18:17

Tgt Ion: 73 Resp: 13619
Ion Ratio Lower Upper
73 100
43 18.3 14.7 22.1
57 21.1 18.2 27.4



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

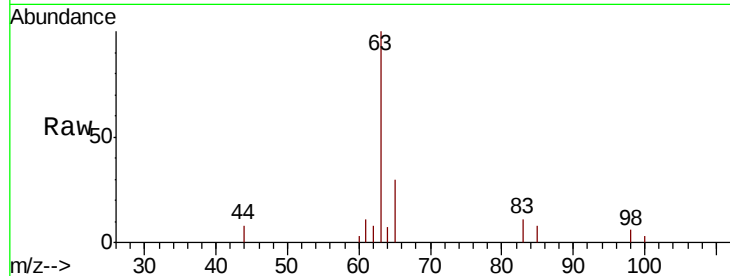




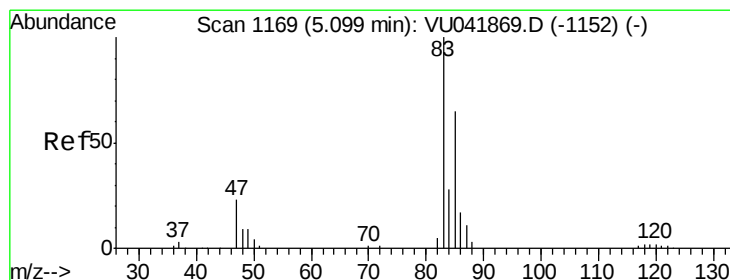
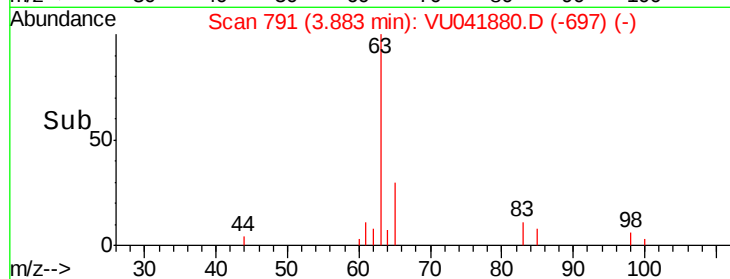
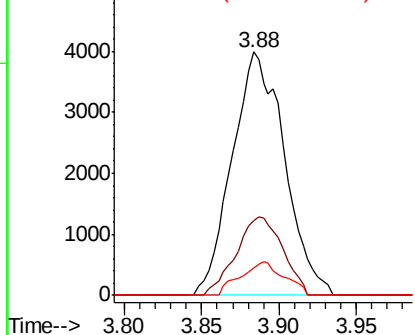
#19
 1,1-Dichloroethane
 Concen: 0.535 ug/L
 RT: 3.88 min Scan# 791
 Delta R.T. 0.00 min
 Lab File: VU041880.D
 Acq: 07 Jan 2021 18:17

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 9369
 Ion Ratio Lower Upper
 63 100
 65 30.5 21.3 39.6
 83 11.1 9.3 17.3

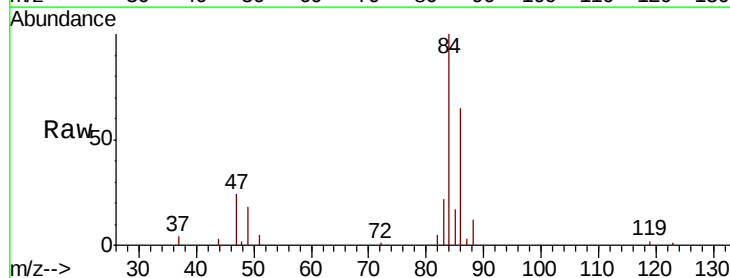


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

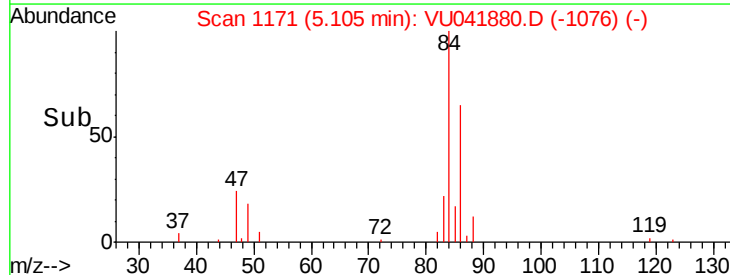
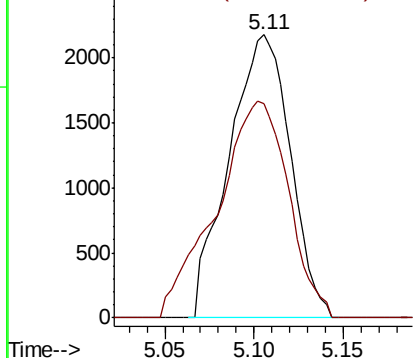


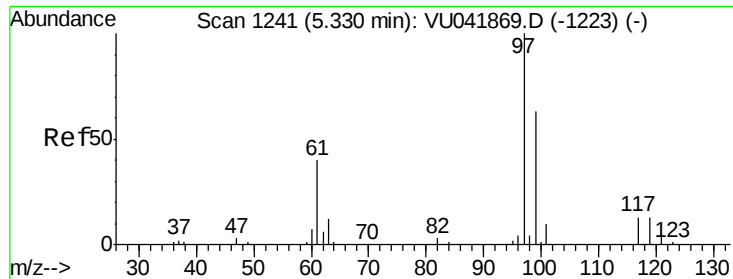
#25
 Chloroform
 Concen: 0.296 ug/L
 RT: 5.11 min Scan# 1171
 Delta R.T. 0.01 min
 Lab File: VU041880.D
 Acq: 07 Jan 2021 18:17

Tgt Ion: 83 Resp: 5212
 Ion Ratio Lower Upper
 83 100
 85 75.8 44.2 82.0



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

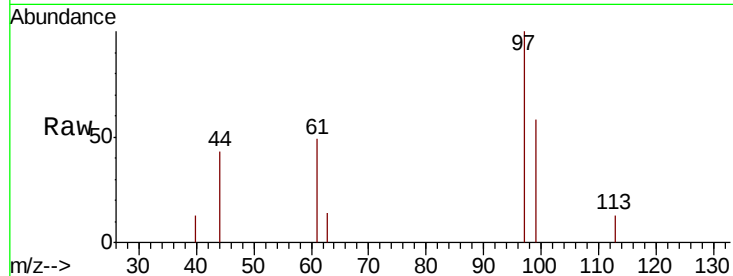




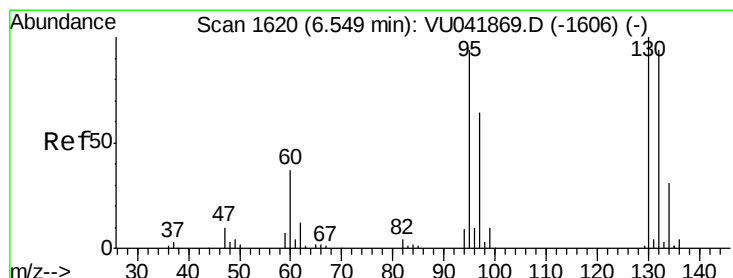
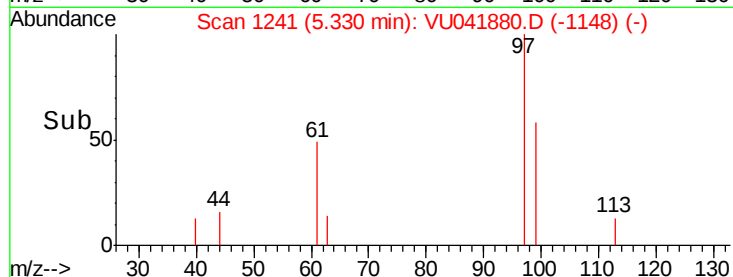
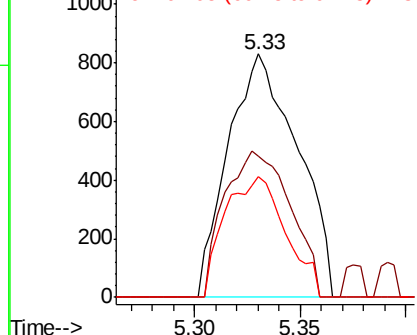
#29
1,1,1-Trichloroethane
Concen: 0.126 ug/L
RT: 5.33 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VU041880.D
Acq: 07 Jan 2021 18:17

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 97 Resp: 1896
Ion Ratio Lower Upper
97 100
99 57.0 51.3 76.9
61 43.3 36.5 54.7

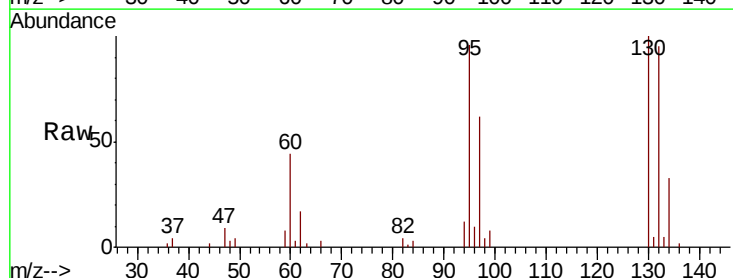


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

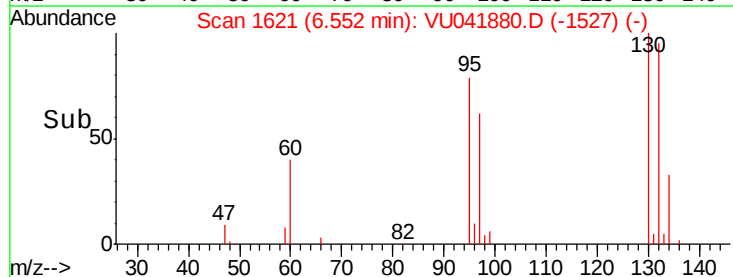
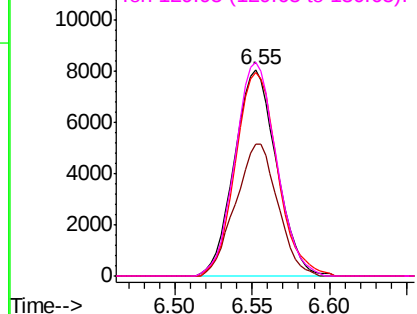


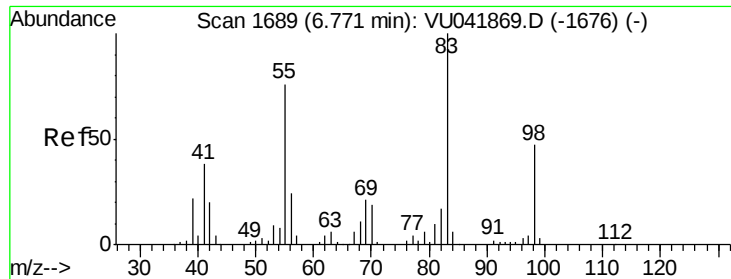
#34
Trichloroethene
Concen: 1.451 ug/L
RT: 6.55 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VU041880.D
Acq: 07 Jan 2021 18:17

Tgt Ion: 95 Resp: 15262
Ion Ratio Lower Upper
95 100
97 64.2 43.9 81.5
132 98.6 63.1 117.3
130 103.6 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

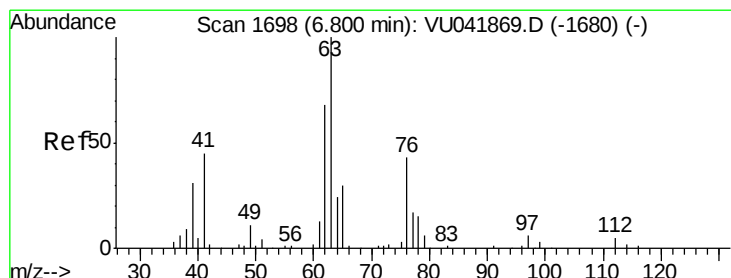
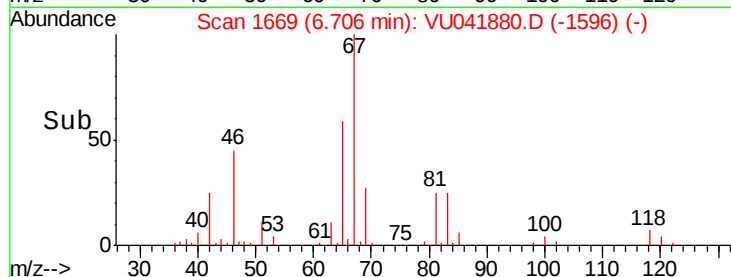
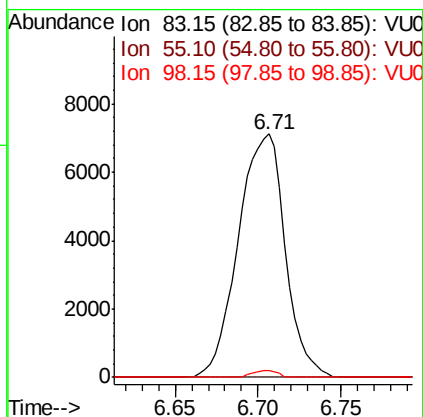
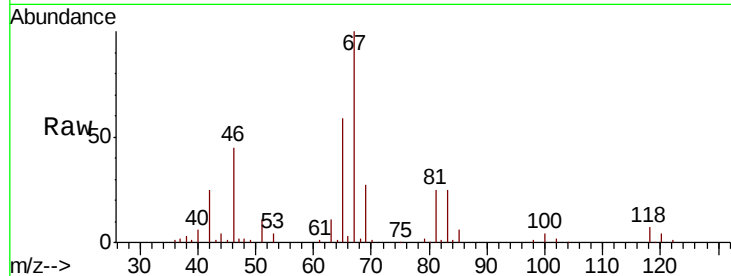




#35
Methvlcvclohexane
Concen: 0.824 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.06 min
Lab File: VU041880.D
Acq: 07 Jan 2021 18:17

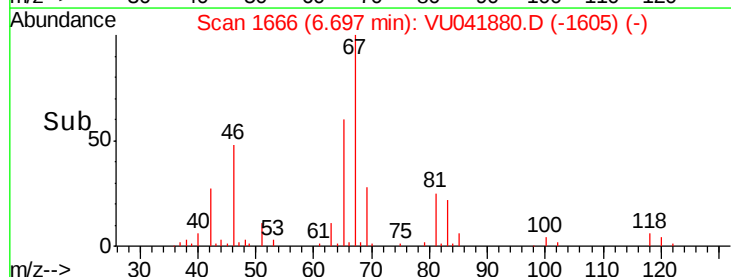
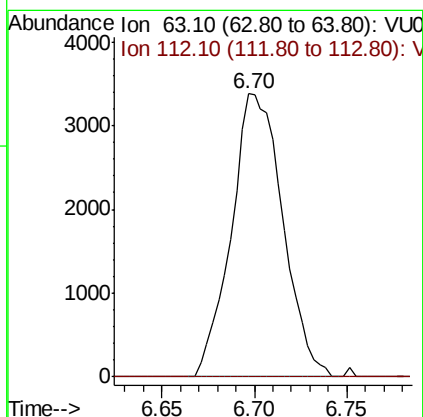
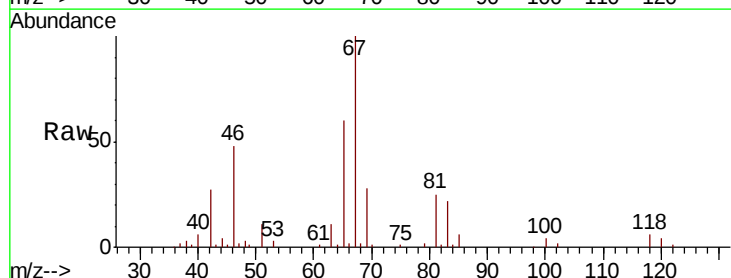
Instrument :
MSVOA_U
ClientSampleId :

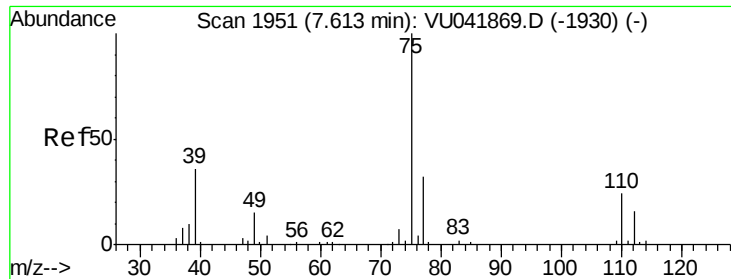
Tot Ion: 83 Resp: 14009
Ion Ratio Lower Upper
83 100
55 0.0 61.2 91.8#
98 1.5 36.6 54.8#



#37
1,2-Dichloropropane
Concen: 0.610 ug/L
RT: 6.70 min Scan# 1666
Delta R.T. -0.10 min
Lab File: VU041880.D
Acq: 07 Jan 2021 18:17

Tgt Ion: 63 Resp: 6534
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#

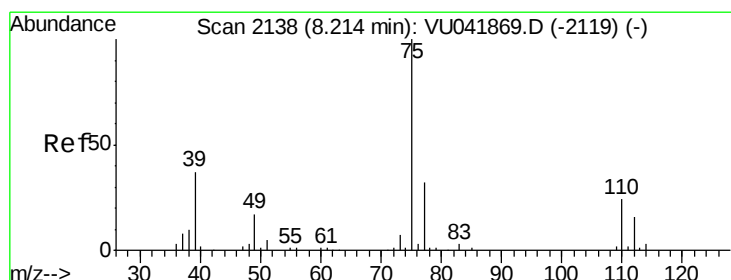
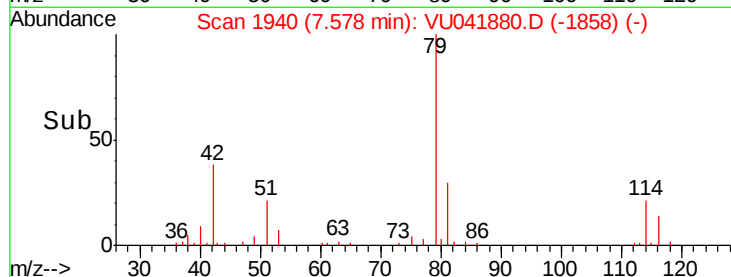
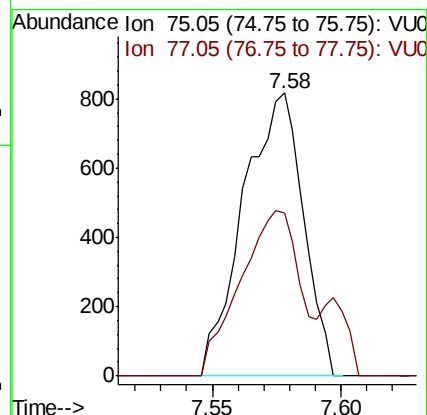
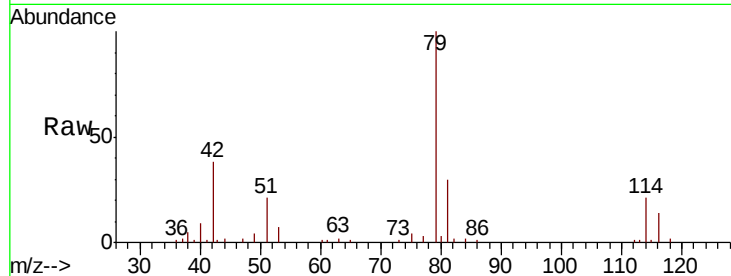




#39
 cis-1,3-Dichloropropene
 Concen: 0.084 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU041880.D
 Acq: 07 Jan 2021 18:17

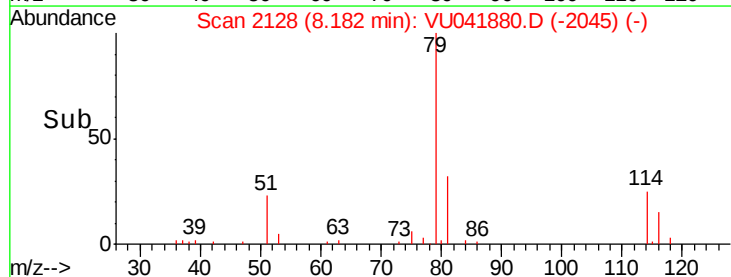
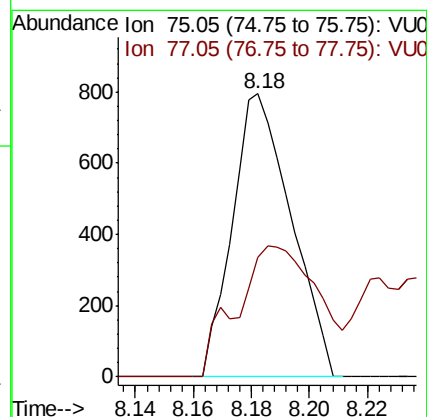
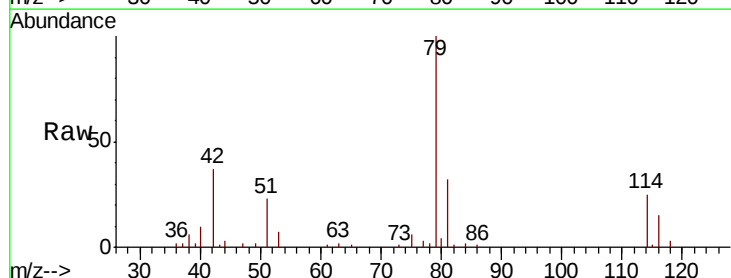
Instrument :
 MSVOA_U
 ClientSampleId :

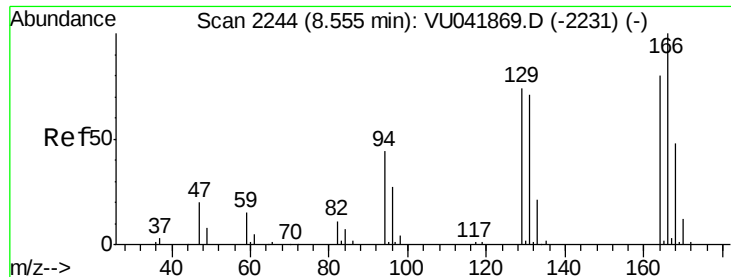
Tot Ion: 75 Resp: 1326
 Ion Ratio Lower Upper
 75 100
 77 57.5 22.3 41.3#



#44
 trans-1,3-Dichloropropene
 Concen: 0.079 ug/L
 RT: 8.18 min Scan# 2128
 Delta R.T. -0.03 min
 Lab File: VU041880.D
 Acq: 07 Jan 2021 18:17

Tgt Ion: 75 Resp: 1116
 Ion Ratio Lower Upper
 75 100
 77 42.1 23.8 44.2

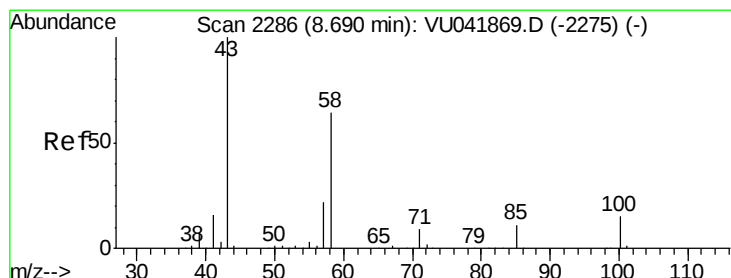
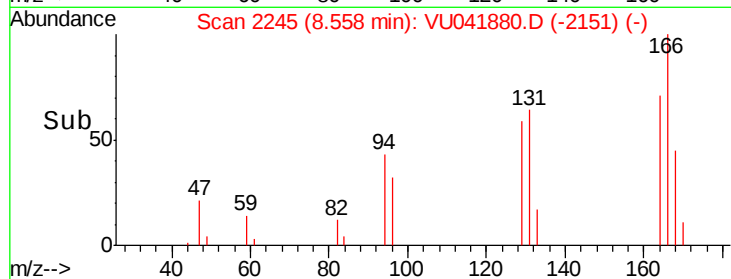
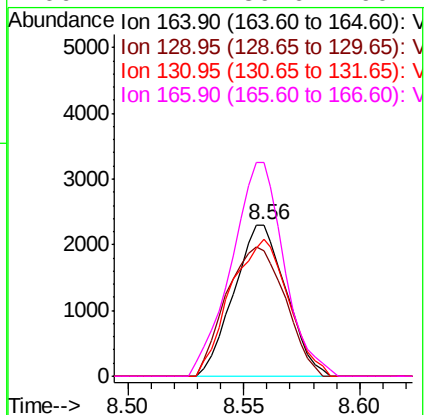
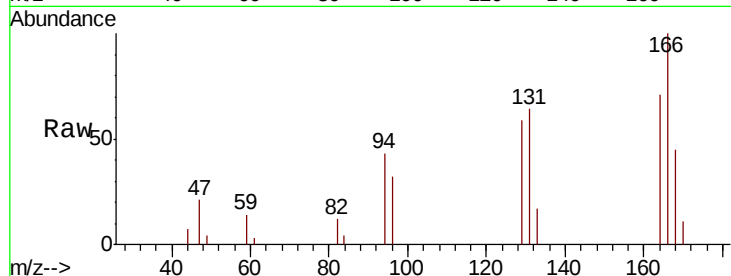




#47
Tetrachloroethene
Concen: 0.489 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU041880.D
Acq: 07 Jan 2021 18:17

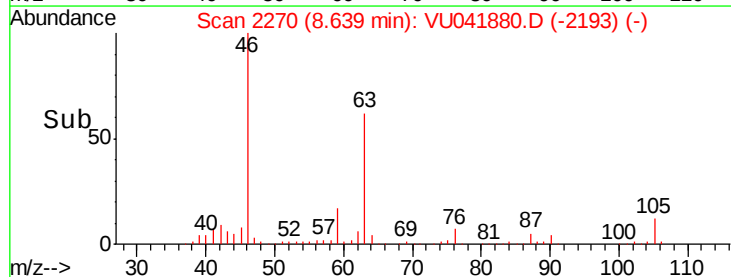
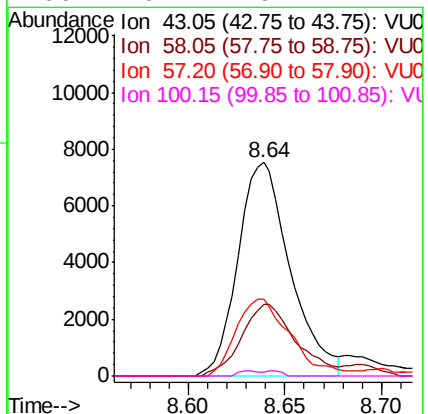
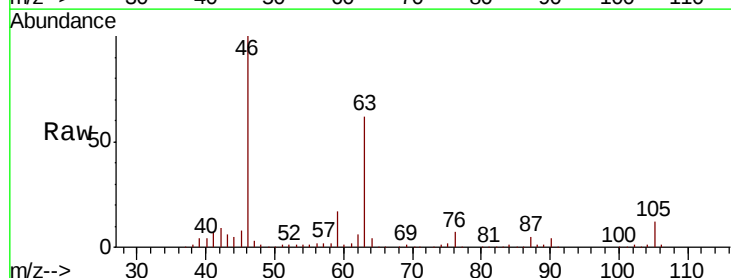
Instrument :
MSVOA_U
ClientSampleId :

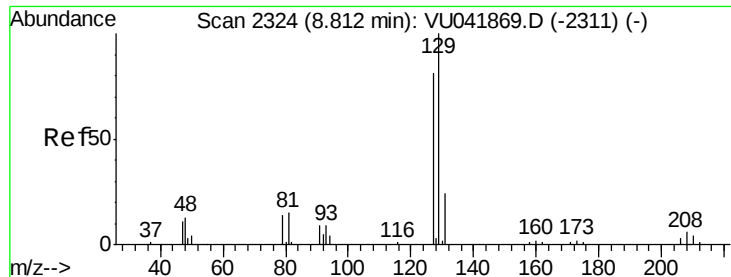
Tot Ion:164 Resp: 3598
Ion Ratio Lower Upper
164 100
129 83.2 72.2 134.0
131 90.1 66.9 124.3
166 141.1 89.6 166.4



#48
2-Hexanone
Concen: 2.555 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041880.D
Acq: 07 Jan 2021 18:17

Tgt Ion: 43 Resp: 14165
Ion Ratio Lower Upper
43 100
58 34.8 47.9 71.9#
57 37.8 16.5 24.7#
100 0.7 9.4 14.2#

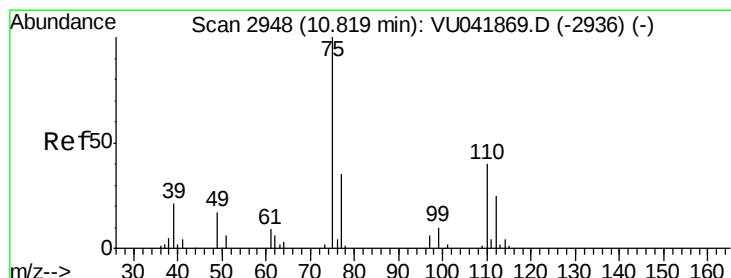
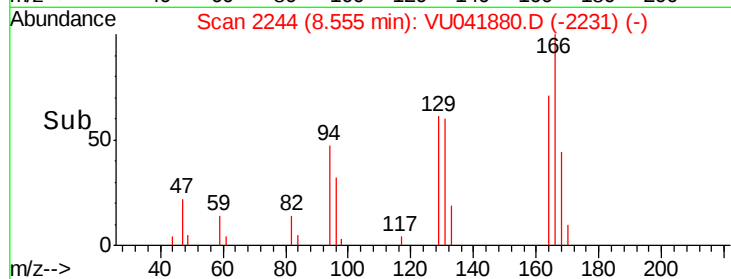
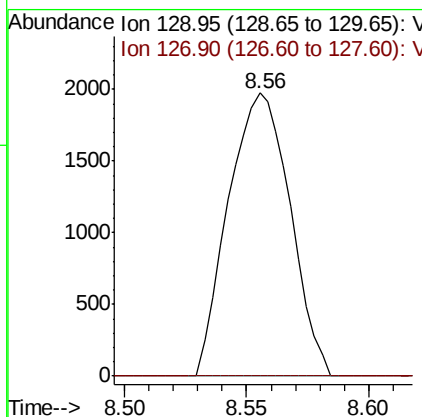
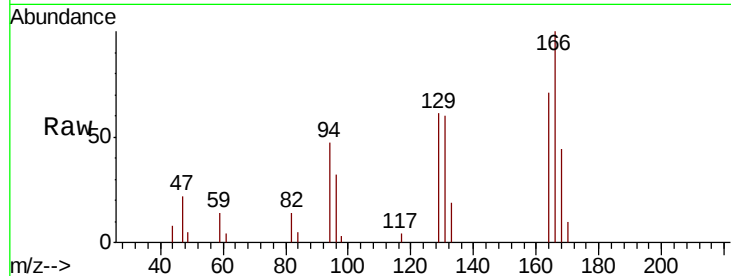




#49
 Dibromochloromethane
 Concen: 0.381 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.26 min
 Lab File: VU041880.D
 Acq: 07 Jan 2021 18:17

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:129 Resp: 3467
 Ion Ratio Lower Upper
 129 100
 127 0.0 54.7 101.7#



#59
 1,2,3-Trichloropropane
 Concen: 0.737 ug/L
 RT: 11.81 min Scan# 3256
 Delta R.T. 0.99 min
 Lab File: VU041880.D
 Acq: 07 Jan 2021 18:17

Tgt Ion: 75 Resp: 5922
 Ion Ratio Lower Upper
 75 100
 77 30.6 26.2 39.2

