

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010921\
 Data File : VU041899.D
 Acq On : 08 Jan 2021 12:50
 Operator : SY/MD
 Sample : M1027-06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 09 01:34:01 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jan 09 01:31:59 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	137160	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	133290	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	61216	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	36893	3.44	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.80%
7) Chloroethane-d5	1.92	69	39510	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.20%
11) 1,1-Dichloroethene-d2	2.58	63	59345	3.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.20%
20) 2-Butanone-d5	4.65	46	157320	51.07	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.14%
24) Chloroform-d	5.08	84	93768	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
26) 1,2-Dichloroethane-d4	5.71	65	52899	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
32) Benzene-d6	5.74	84	179889	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
36) 1,2-Dichloropropane-d6	6.70	67	58815	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.20%
41) Toluene-d8	7.91	98	143386	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.20%
43) trans-1,3-Dichloropropene-	8.19	79	20693	3.85	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.00%
46) 2-Hexanone-d5	8.64	63	132537	45.06	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.12%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	54835	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	56093	5.15	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.00%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	1852	0.164	ug/L 89
9) Trichlorofluoromethane	2.15	101	530	0.034	ug/L # 69
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	678	0.072	ug/L # 29
12) 1,1-Dichloroethene	2.58	96	561	0.060	ug/L # 1
17) Methyl tert-butyl Ether	3.38	73	1504	0.061	ug/L # 65
22) cis-1,2-Dichloroethene	4.69	96	1710	0.161	ug/L 84
25) Chloroform	5.10	83	1102	0.061	ug/L # 58
27) 1,2-Dichloroethane	5.74	62	774	0.063	ug/L # 73
29) 1,1,1-Trichloroethane	5.34	97	1492	0.097	ug/L # 92
34) Trichloroethene	6.55	95	19276	1.800	ug/L 95
35) Methylcyclohexane	6.70	83	13483	0.779	ug/L # 19
37) 1,2-Dichloropropane	6.71	63	6183	0.567	ug/L # 88
39) cis-1,3-Dichloropropene	7.57	75	1353	0.084	ug/L # 28
44) trans-1,3-Dichloropropene	8.18	75	848	0.059	ug/L 88
47) Tetrachloroethene	8.56	164	3986	0.532	ug/L 92
48) 2-Hexanone	8.64	43	16133	2.857	ug/L # 65
49) Dibromochloromethane	8.56	129	3807	0.411	ug/L # 10

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ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jan 09 01:34:01 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jan 09 01:31:59 2021
Response via : Initial Calibration

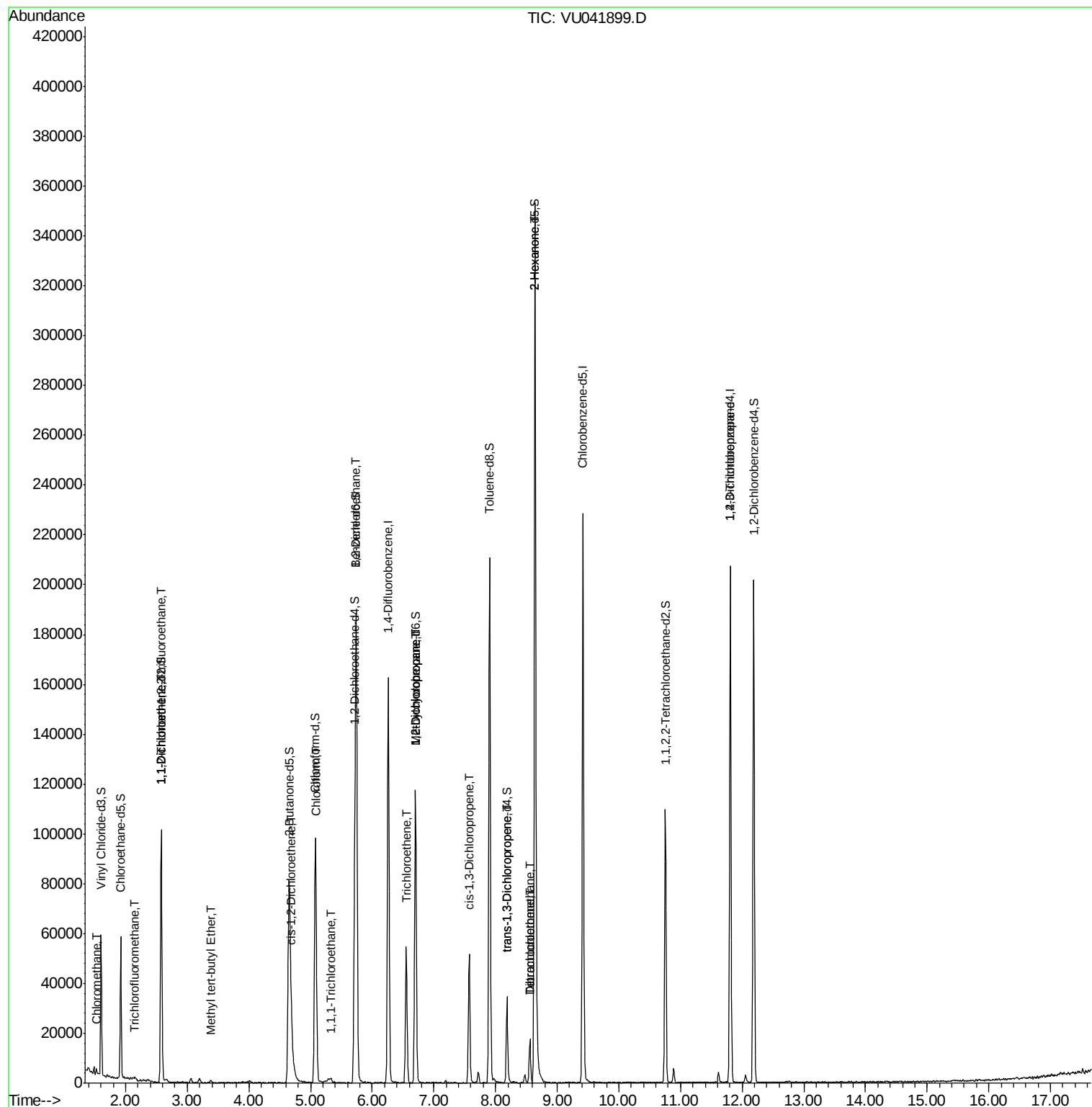
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.81	75	6590	0.805	ug/L	100

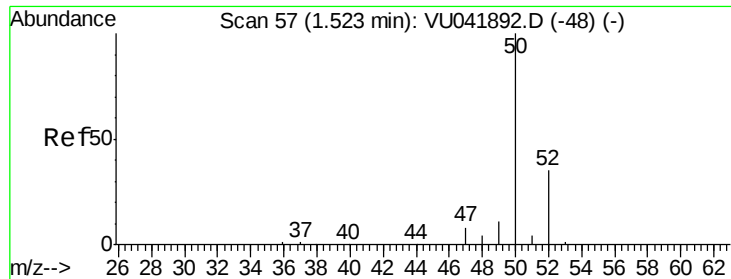
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 08 Jan 2021 12:50
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Quant Time: Jan 09 01:34:01 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jan 09 01:31:59 2021
Response via : Initial Calibration

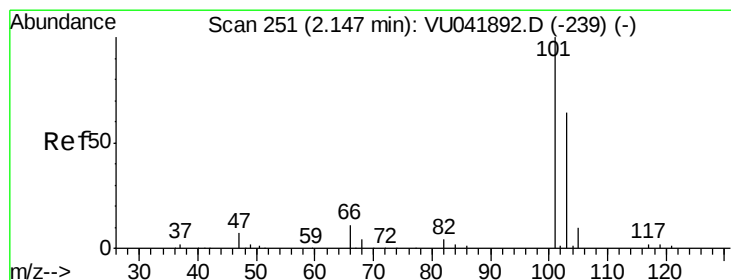
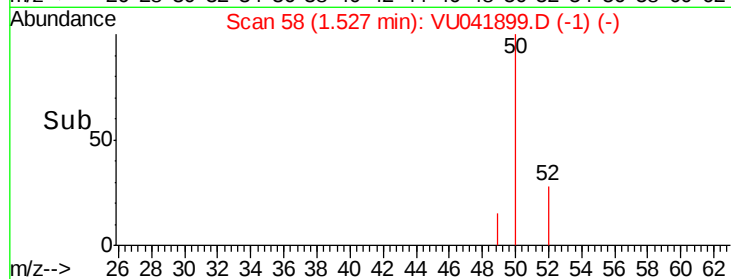
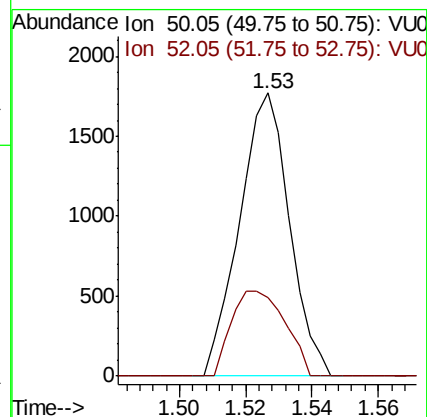
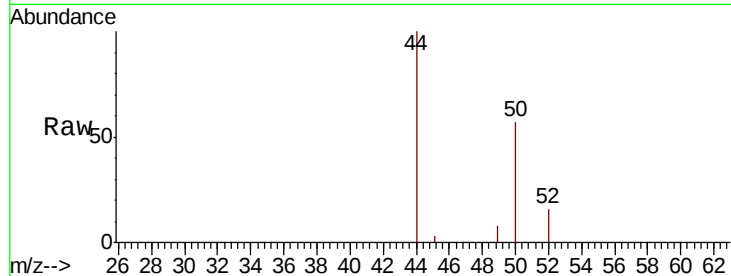




#3
Chloromethane
Concen: 0.164 ug/L
RT: 1.53 min Scan# 58
Delta R.T. 0.00 min
Lab File: VU041899.D
Acq: 08 Jan 2021 12:50

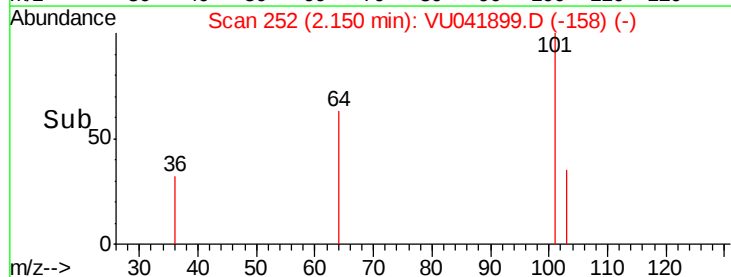
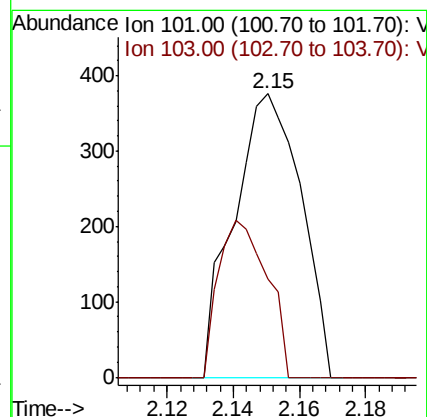
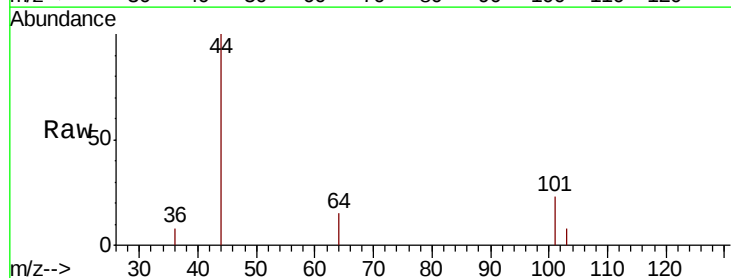
Instrument :
MSVOA_U
ClientSampleId :

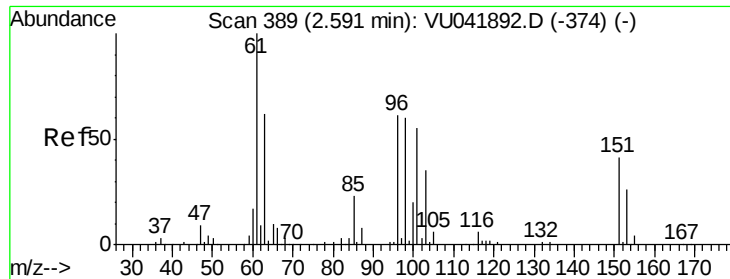
Tot Ion: 50 Resp: 1852
Ion Ratio Lower Upper
50 100
52 28.0 24.1 44.8



#9
Trichlorofluoromethane
Concen: 0.034 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU041899.D
Acq: 08 Jan 2021 12:50

Tgt Ion: 101 Resp: 530
Ion Ratio Lower Upper
101 100
103 40.0 51.1 76.7#





#10

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

Concen: 0.072 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU041899.D

Acq: 08 Jan 2021 12:50

Instrument :

MSVOA_U

ClientSampled :

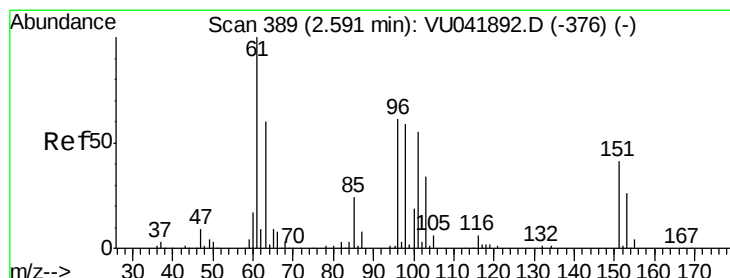
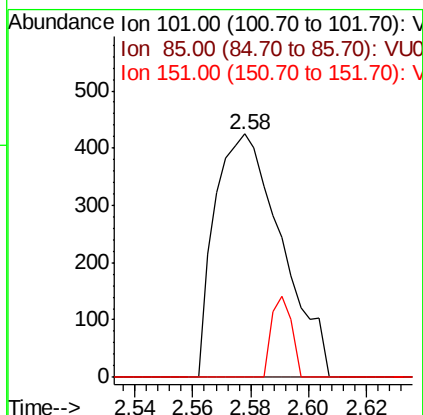
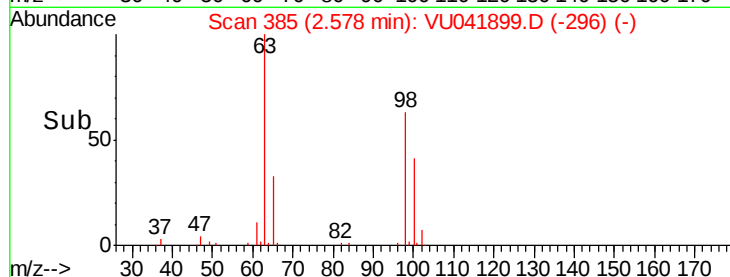
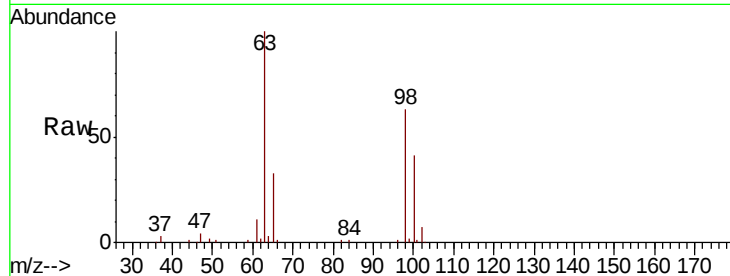
Tot Ion:101 Resp: 678

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

151 10.2 56.2 84.4#



#12

1,1-Dichloroethene

Concen: 0.060 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041899.D

Acq: 08 Jan 2021 12:50

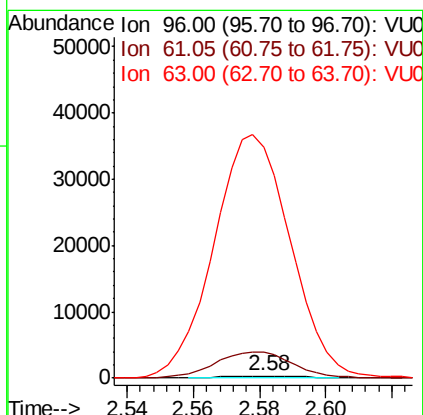
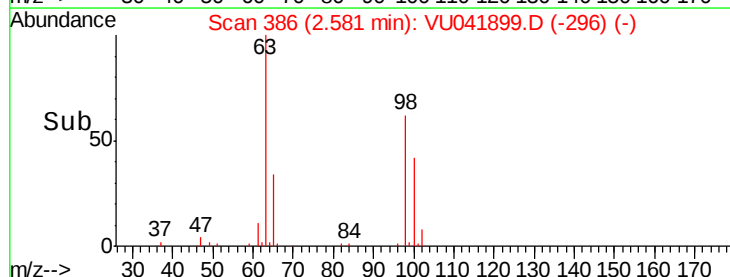
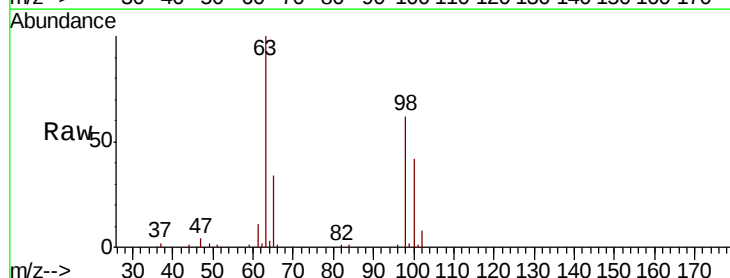
Tgt Ion: 96 Resp: 561

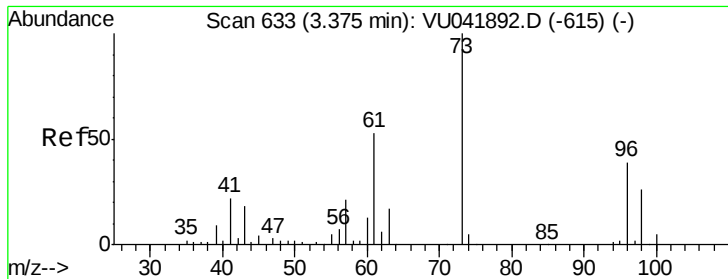
Ion Ratio Lower Upper

96 100

61 1100.9 123.8 230.0#

63 10029.9 81.0 150.4#

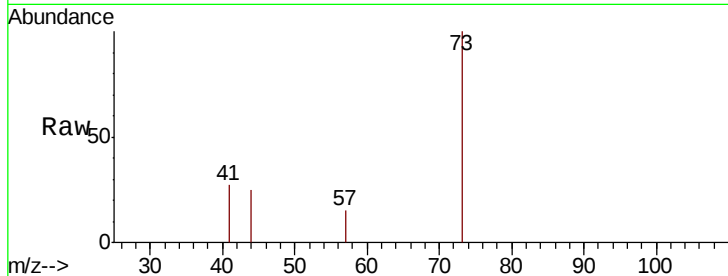




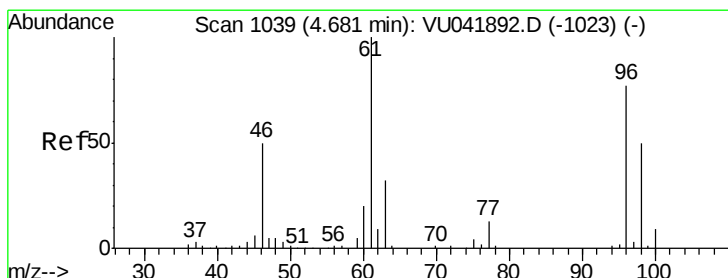
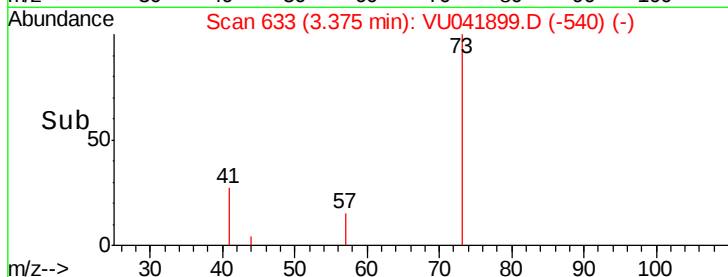
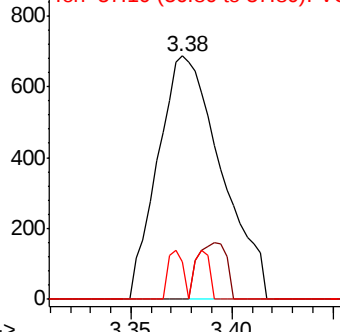
#17
Methvl tert-butvl Ether
Concen: 0.061 ug/L
RT: 3.38 min Scan# 633
Delta R.T. -0.00 min
Lab File: VU041899.D
Acq: 08 Jan 2021 12:50

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 1504
Ion Ratio Lower Upper
73 100
43 4.3 14.7 22.1#
57 4.7 18.2 27.4#

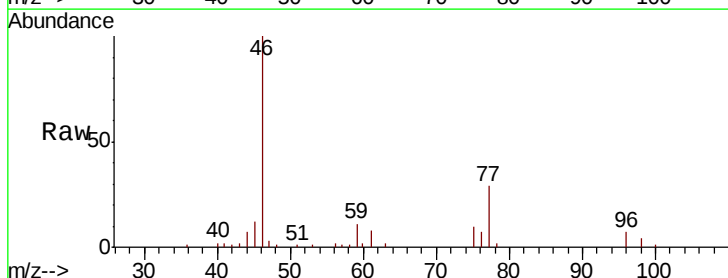


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

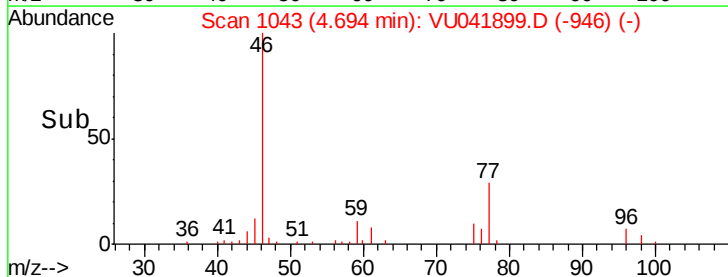
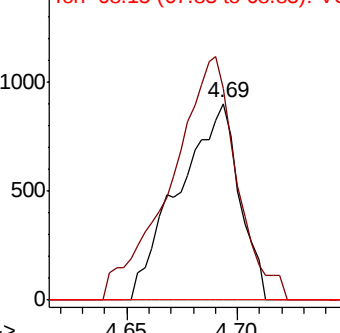


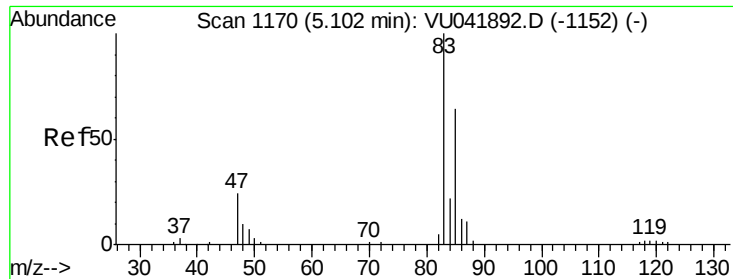
#22
cis-1,2-Dichloroethene
Concen: 0.161 ug/L
RT: 4.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VU041899.D
Acq: 08 Jan 2021 12:50

Tgt Ion: 96 Resp: 1710
Ion Ratio Lower Upper
96 100
61 108.1 88.8 165.0
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

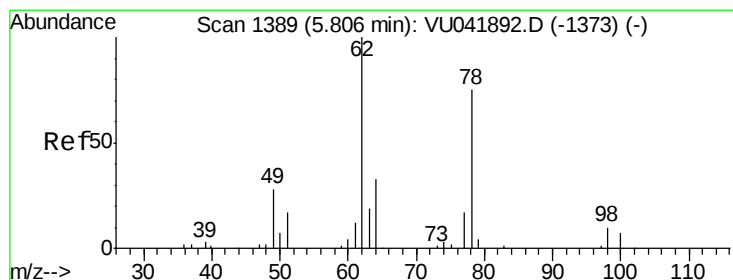
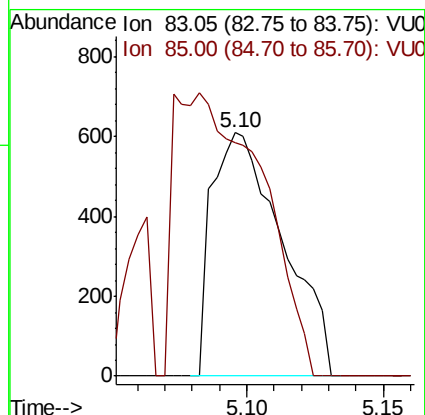
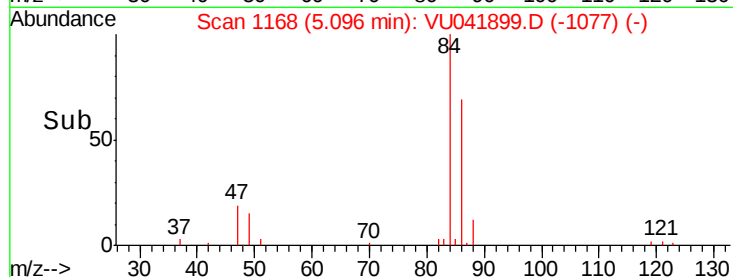
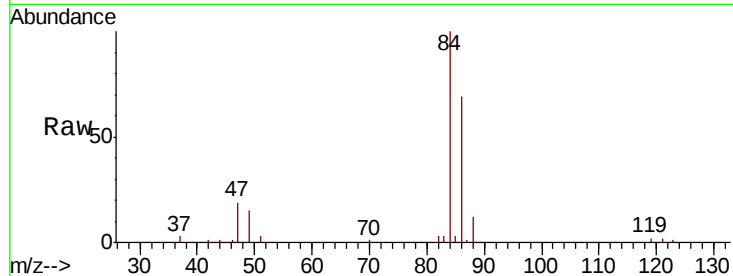




#25
Chloroform
Concen: 0.061 ug/L
RT: 5.10 min Scan# 1168
Delta R.T. -0.01 min
Lab File: VU041899.D
Acq: 08 Jan 2021 12:50

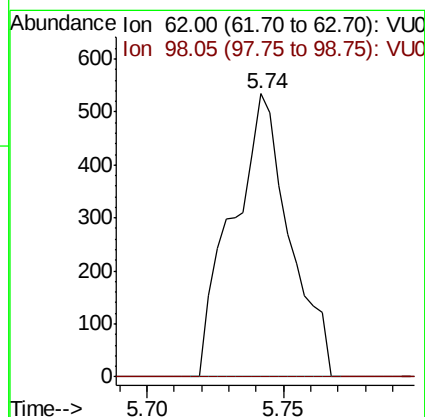
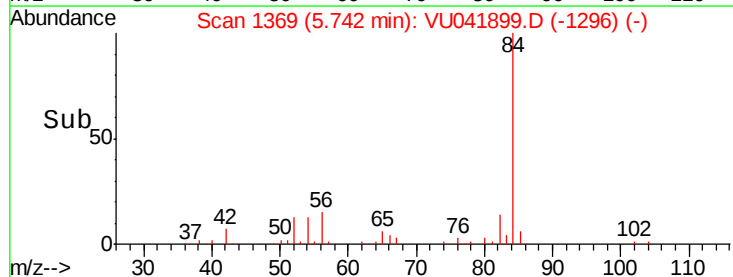
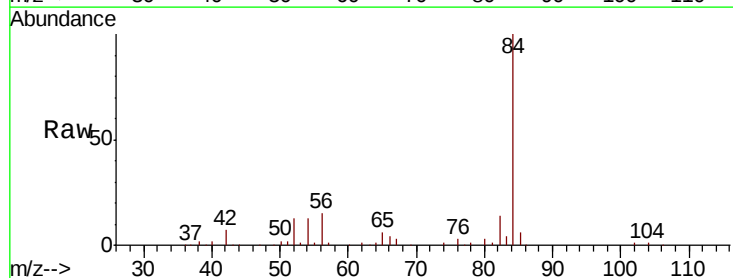
Instrument :
MSVOA_U
ClientSampled :

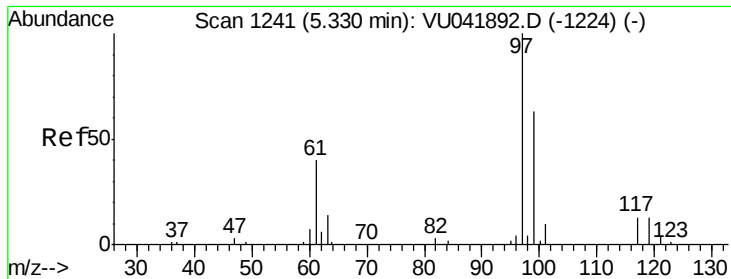
Tot Ion: 83 Resp: 1102
Ion Ratio Lower Upper
83 100
85 95.9 44.2 82.0#



#27
1,2-Dichloroethane
Concen: 0.063 ug/L
RT: 5.74 min Scan# 1369
Delta R.T. -0.06 min
Lab File: VU041899.D
Acq: 08 Jan 2021 12:50

Tgt Ion: 62 Resp: 774
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.2#

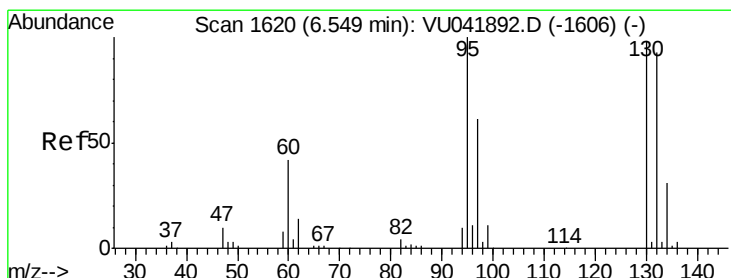
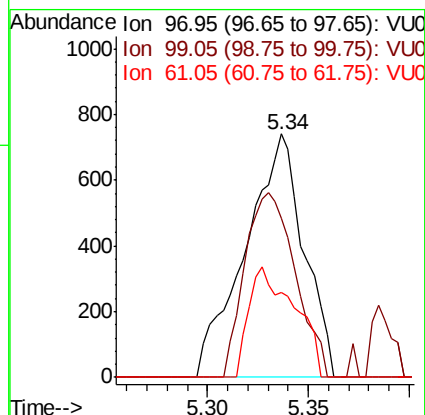
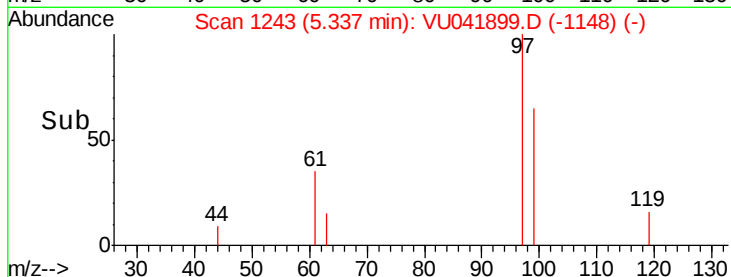
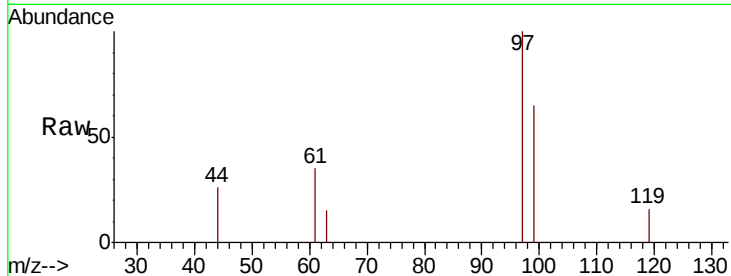




#29
1,1,1-Trichloroethane
Concen: 0.097 ug/L
RT: 5.34 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VU041899.D
Acq: 08 Jan 2021 12:50

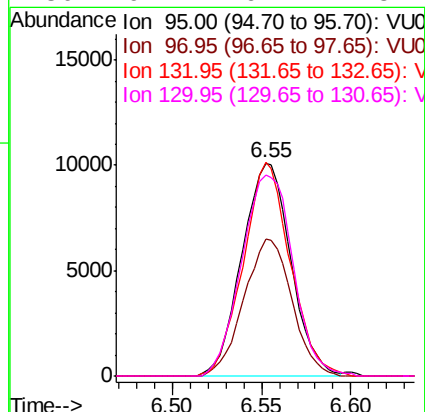
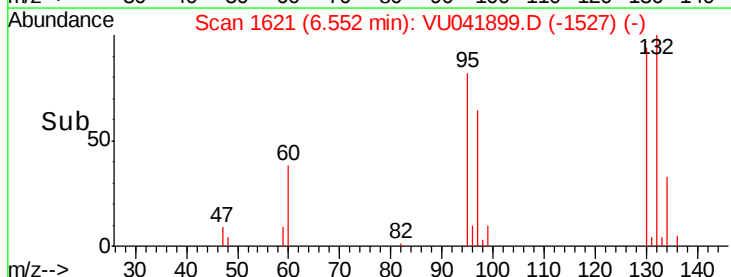
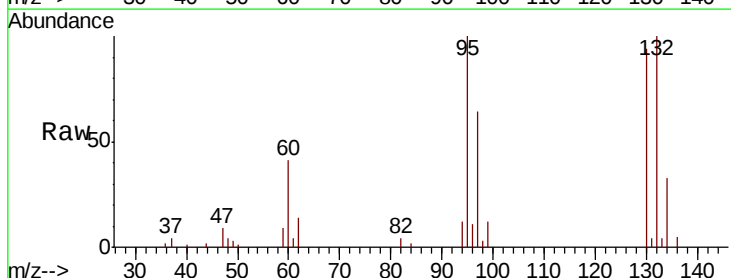
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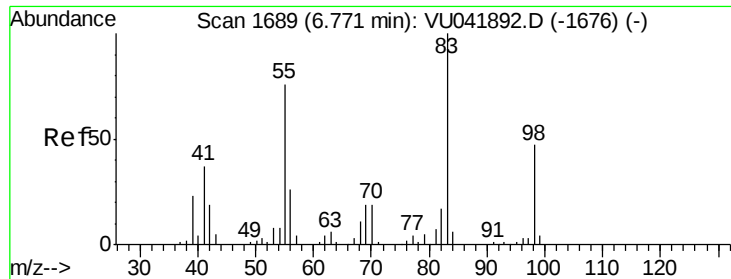
Tot Ion: 97 Resp: 1492
Ion Ratio Lower Upper
97 100
99 65.8 51.3 76.9
61 35.5 36.5 54.7#



#34
Trichloroethene
Concen: 1.800 ug/L
RT: 6.55 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VU041899.D
Acq: 08 Jan 2021 12:50

Tgt Ion: 95 Resp: 19276
Ion Ratio Lower Upper
95 100
97 64.0 43.9 81.5
132 100.2 63.1 117.3
130 94.1 67.4 125.2

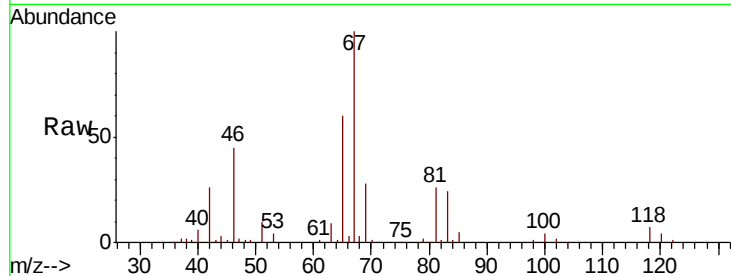




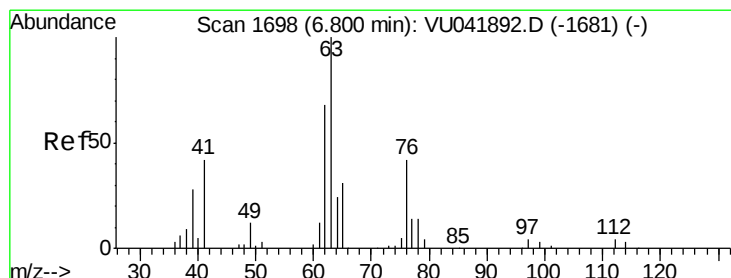
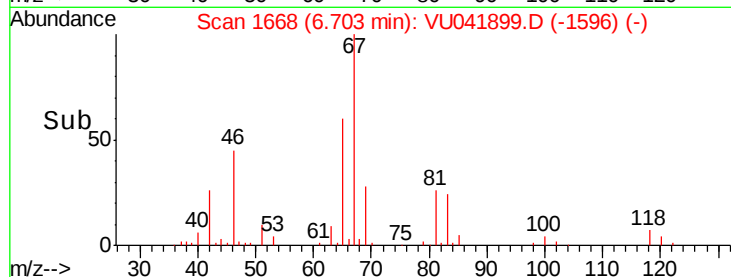
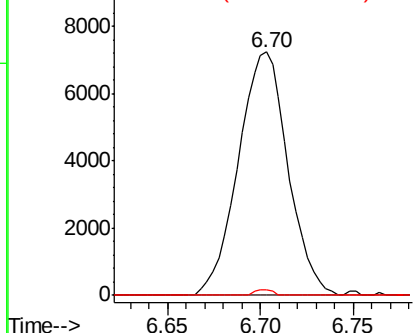
#35
Methvlcvclohexane
Concen: 0.779 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041899.D
Acq: 08 Jan 2021 12:50

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 13483
Ion Ratio Lower Upper
83 100
55 0.0 61.2 91.8#
98 0.8 36.6 54.8#

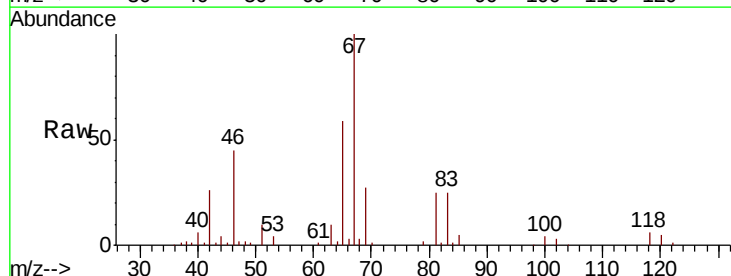


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

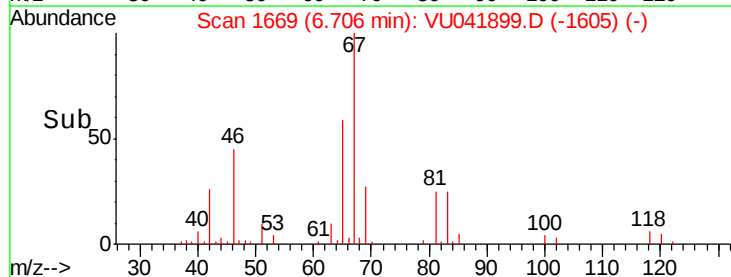
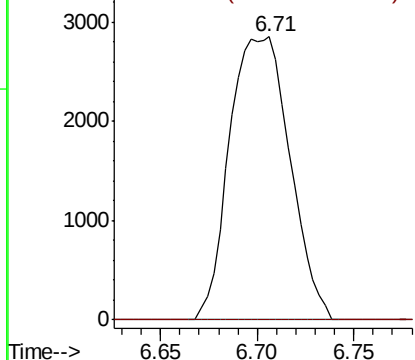


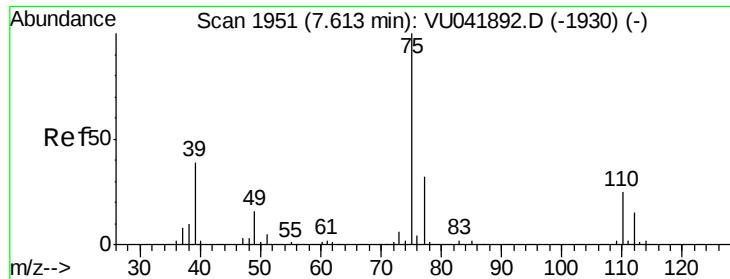
#37
1,2-Dichloropropane
Concen: 0.567 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.09 min
Lab File: VU041899.D
Acq: 08 Jan 2021 12:50

Tgt Ion: 63 Resp: 6183
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

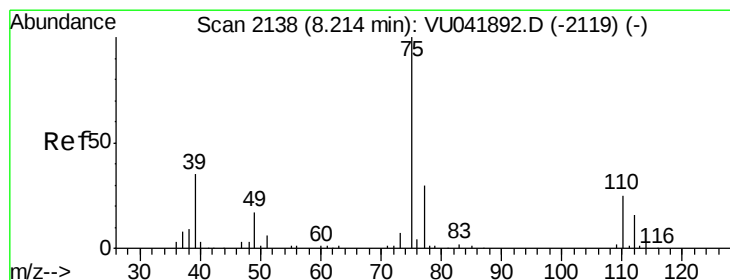
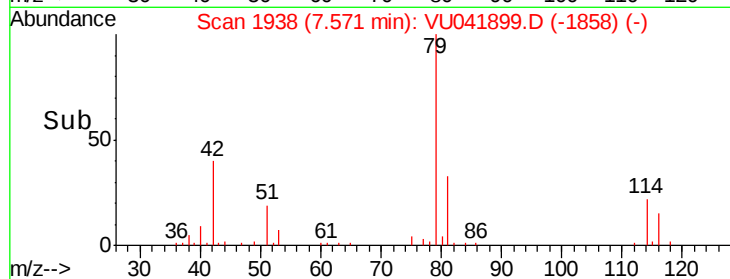
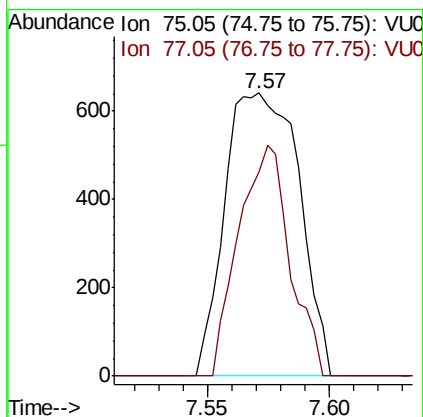
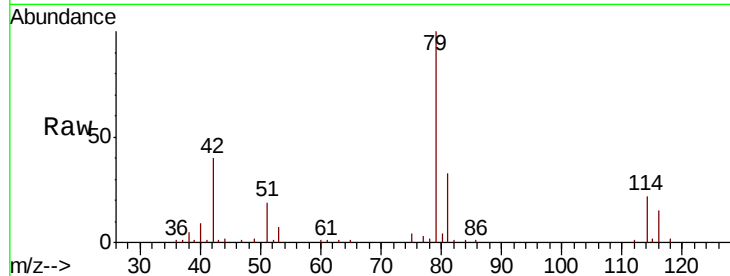




#39
 cis-1,3-Dichloropropene
 Concen: 0.084 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041899.D
 Acq: 08 Jan 2021 12:50

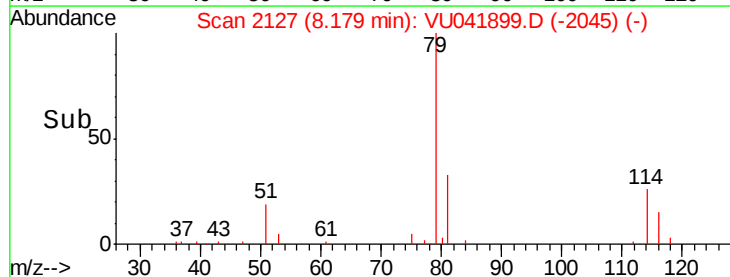
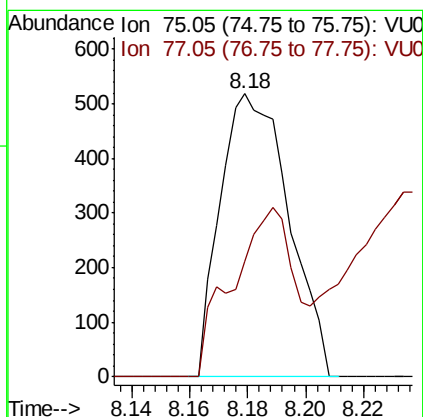
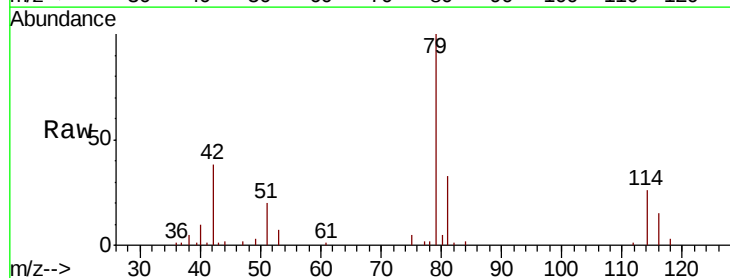
Instrument :
 MSVOA_U
 ClientSampleId :

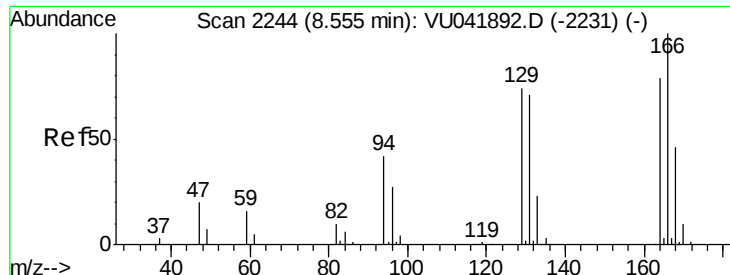
Tot Ion: 75 Resp: 1353
 Ion Ratio Lower Upper
 75 100
 77 72.1 22.3 41.3#



#44
 trans-1,3-Dichloropropene
 Concen: 0.059 ug/L
 RT: 8.18 min Scan# 2127
 Delta R.T. -0.04 min
 Lab File: VU041899.D
 Acq: 08 Jan 2021 12:50

Tgt Ion: 75 Resp: 848
 Ion Ratio Lower Upper
 75 100
 77 40.9 23.8 44.2





#47

Tetrachloroethene

Concen: 0.532 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041899.D

Acq: 08 Jan 2021 12:50

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 3986

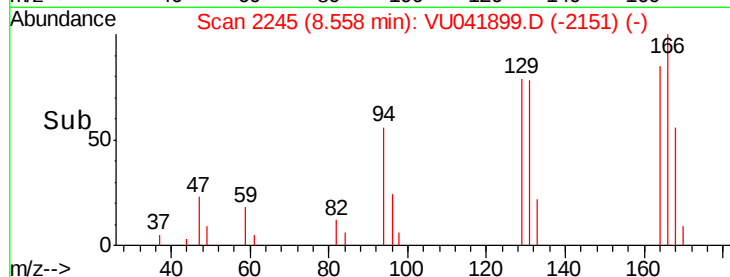
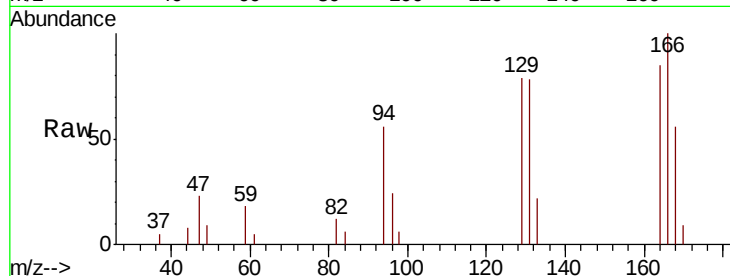
Ion Ratio Lower Upper

164 100

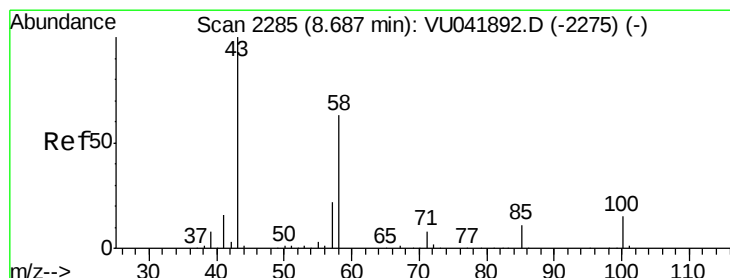
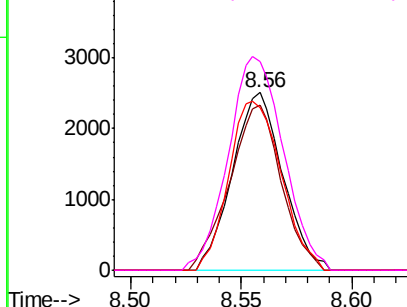
129 92.8 72.2 134.0

131 91.3 66.9 124.3

166 117.0 89.6 166.4



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 2.857 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU041899.D

Acq: 08 Jan 2021 12:50

Tgt Ion: 43 Resp: 16133

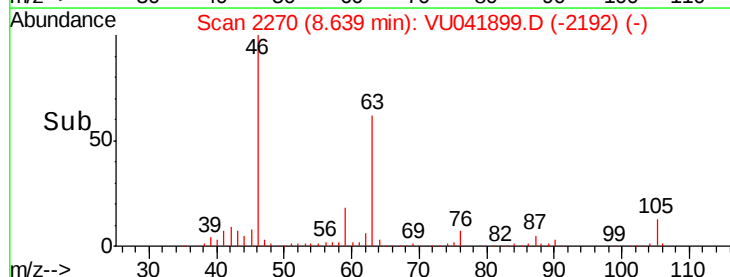
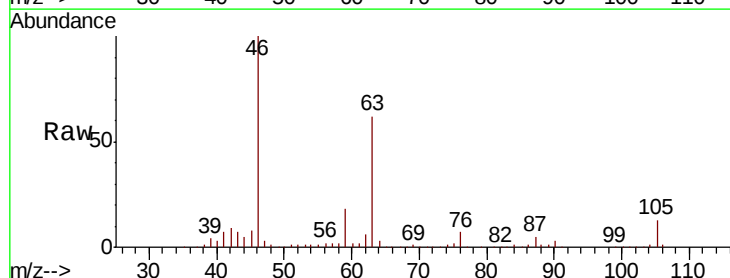
Ion Ratio Lower Upper

43 100

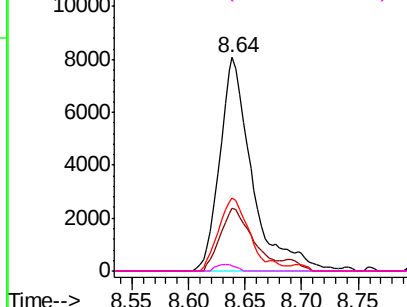
58 29.9 47.9 71.9#

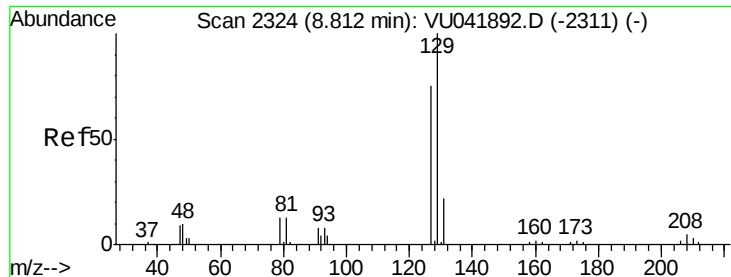
57 33.1 16.5 24.7#

100 1.9 9.4 14.2#



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: 0.411 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU041899.D

Acq: 08 Jan 2021 12:50

Instrument :

MSVOA_U

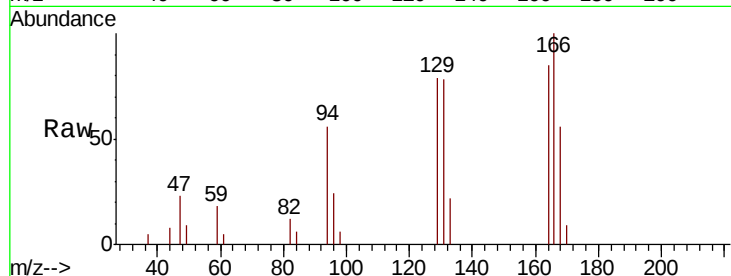
ClientSampleId :

Tot Ion:129 Resp: 3807

Ion Ratio Lower Upper

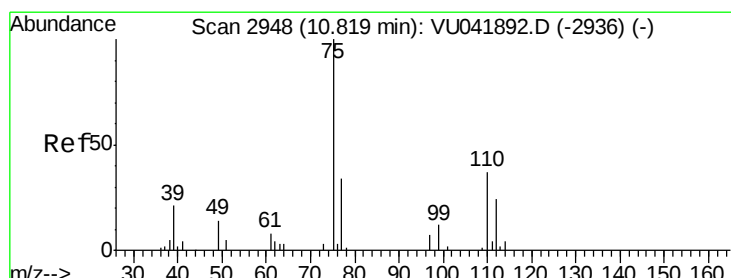
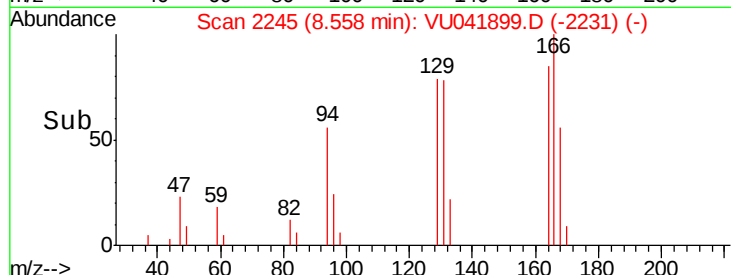
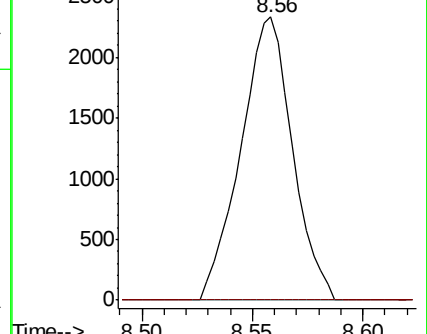
129 100

127 0.0 54.7 101.7#



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: 0.805 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041899.D

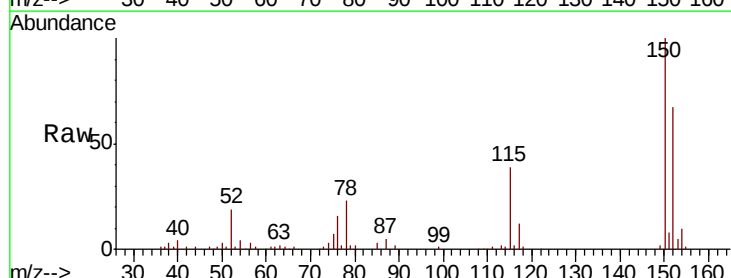
Acq: 08 Jan 2021 12:50

Tgt Ion: 75 Resp: 6590

Ion Ratio Lower Upper

75 100

77 32.9 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

