

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010921\
 Data File : VU041876.D
 Acq On : 07 Jan 2021 16:41
 Operator : SY/MD
 Sample : M1026-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 08 05:00:12 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	139012	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	139816	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	54980	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	45267	4.17	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.40%
7) Chloroethane-d5	1.92	69	46374	5.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.20%
11) 1,1-Dichloroethene-d2	2.58	63	65766	3.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.80%
20) 2-Butanone-d5	4.65	46	183929	58.92	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.84%
24) Chloroform-d	5.08	84	102901	5.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.60%
26) 1,2-Dichloroethane-d4	5.72	65	58818	5.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.40%
32) Benzene-d6	5.74	84	197705	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
36) 1,2-Dichloropropane-d6	6.70	67	66930	5.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.60%
41) Toluene-d8	7.90	98	161110	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
43) trans-1,3-Dichloropropene-	8.19	79	25904	4.59	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.80%
46) 2-Hexanone-d5	8.64	63	153057	49.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.22%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	56804	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	57100	5.84	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	19850	1.686	ug/L	99
3) Chloromethane	1.52	50	1938	0.169	ug/L	96
9) Trichlorofluoromethane	2.15	101	7728	0.483	ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	839	0.088	ug/L #	37
13) Acetone	2.66	43	2547	1.283	ug/L	81
16) Methylene chloride	3.06	84	2164	0.192	ug/L	95
17) Methyl tert-butyl Ether	3.38	73	16486	0.655	ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	2400	0.149	ug/L #	86
33) Benzene	5.74	78	1636	0.037	ug/L	100
34) Trichloroethene	6.56	95	4945	0.440	ug/L	88
35) Methylcyclohexane	6.70	83	15559	0.857	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	6835	0.598	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1271	0.075	ug/L #	57
44) trans-1,3-Dichloropropene	8.18	75	1132	0.075	ug/L	89
47) Tetrachloroethene	8.56	164	3589	0.456	ug/L	93
48) 2-Hexanone	8.64	43	17948	3.030	ug/L #	67
49) Dibromochloromethane	8.56	129	3822	0.393	ug/L #	10

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ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jan 08 05:00:12 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

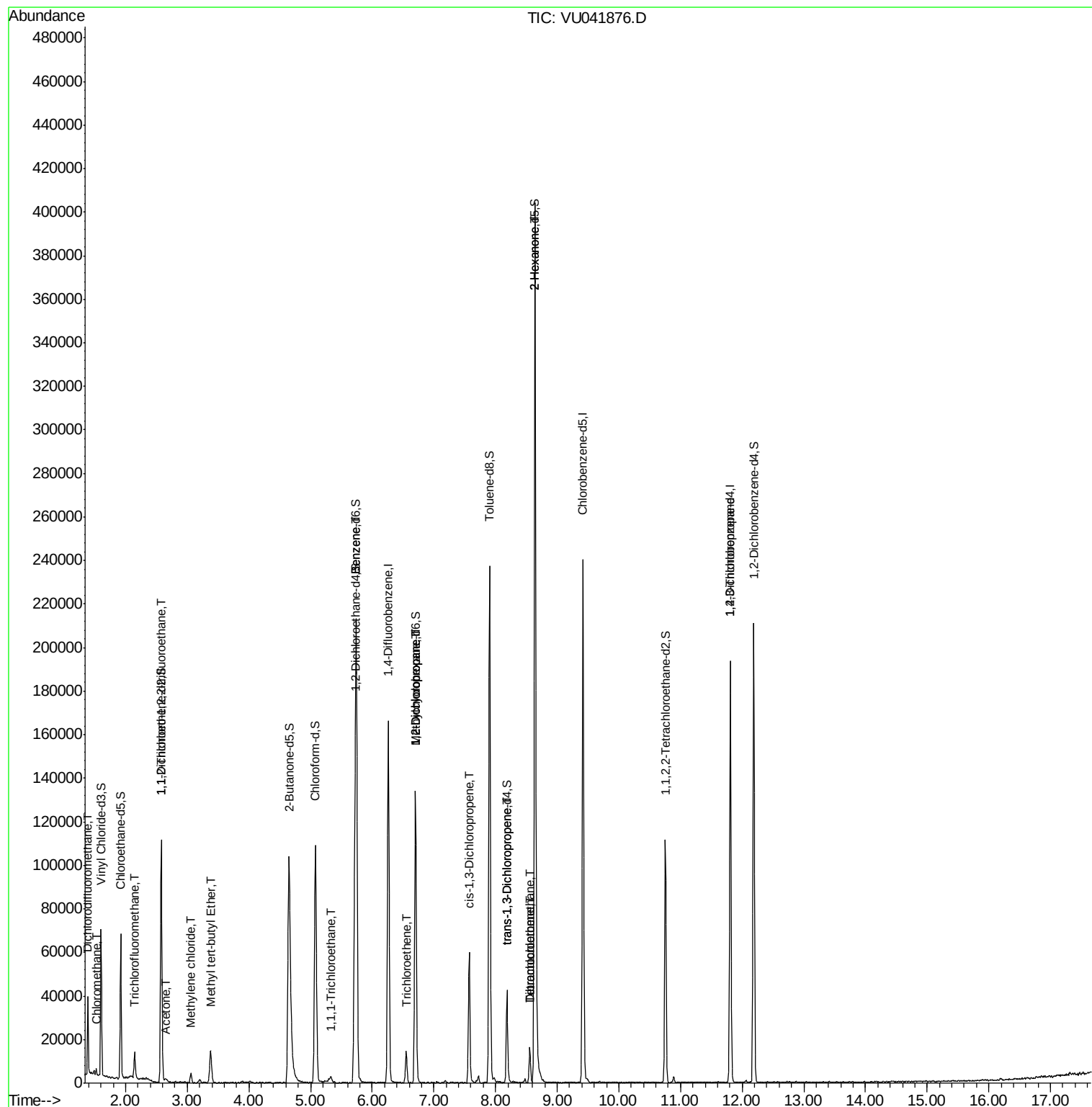
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
59) 1,2,3-Trichloropropane	11.81	75	5591	0.651	ug/L	95
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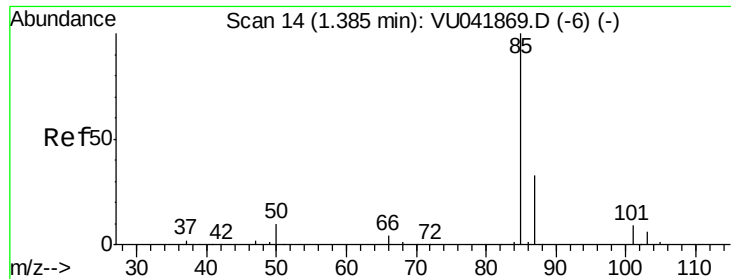
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 08 05:00:12 2021
Quant Method : Z:\V0ASRV\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





#2

Dichlorodifluoromethane

Concen: 1.686 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041876.D

Acq: 07 Jan 2021 16:41

Instrument :

MSVOA_U

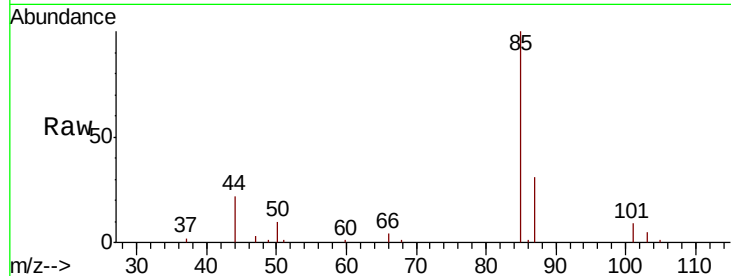
ClientSampleId :

Tot Ion: 85 Resp: 19850

Ion Ratio Lower Upper

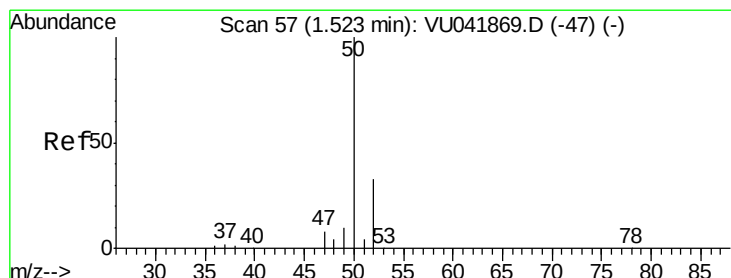
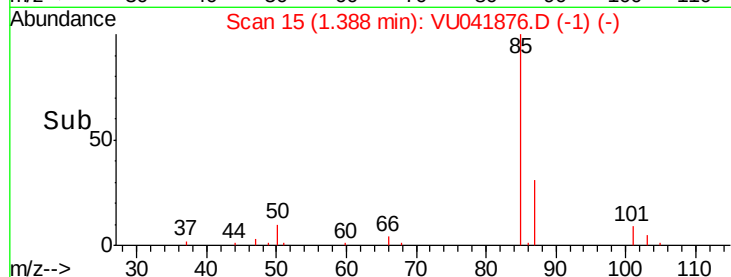
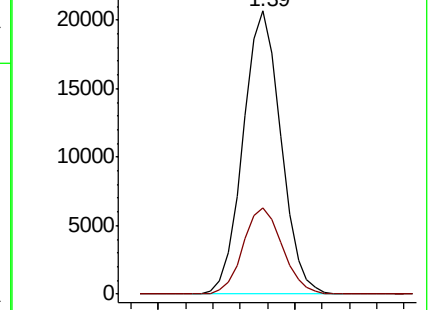
85 100

87 31.6 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU041876.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VU041876.D (-6) (-)



#3

Chloromethane

Concen: 0.169 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041876.D

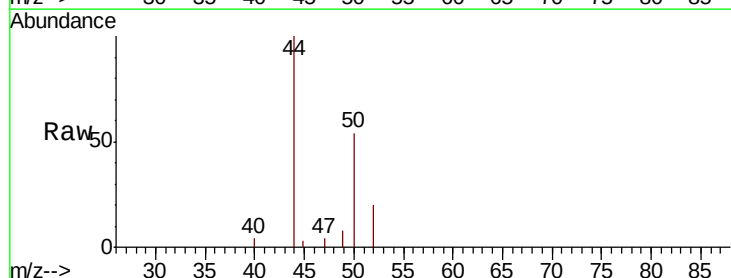
Acq: 07 Jan 2021 16:41

Tgt Ion: 50 Resp: 1938

Ion Ratio Lower Upper

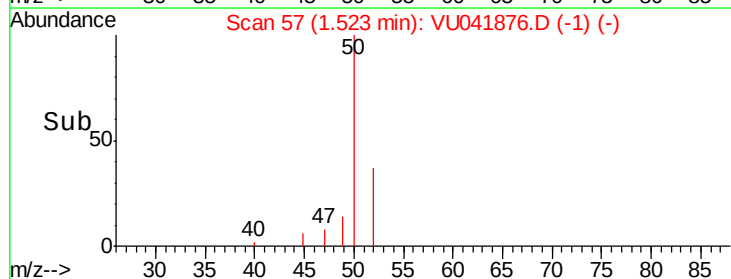
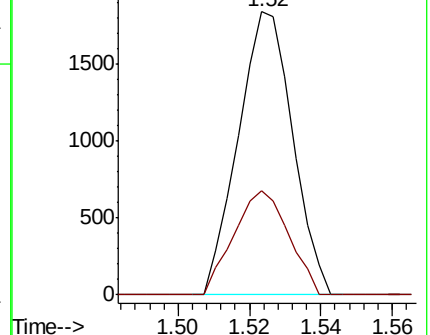
50 100

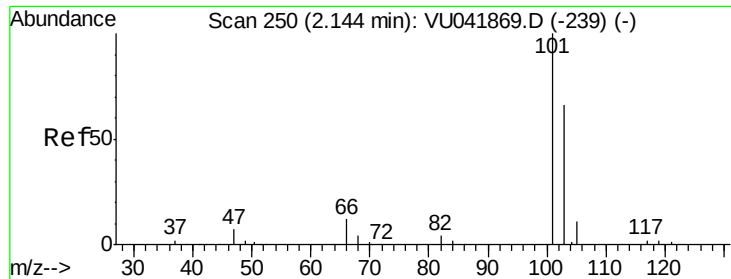
52 36.9 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU041876.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU041876.D (-1) (-)



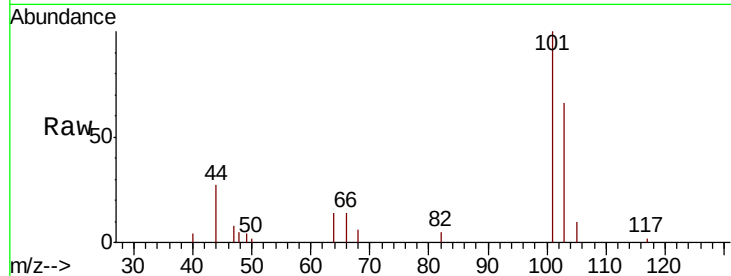


#9

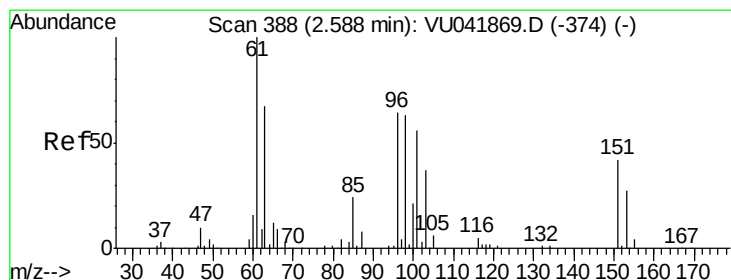
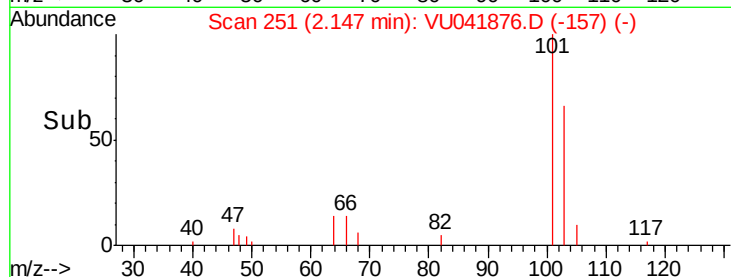
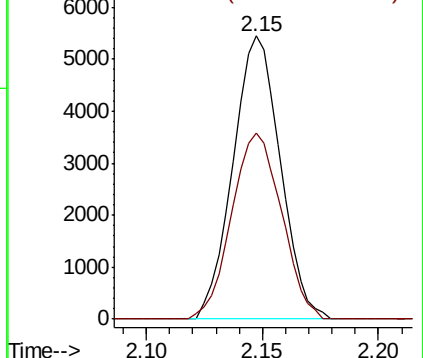
Trichlorofluoromethane
Concen: 0.483 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU041876.D
Acq: 07 Jan 2021 16:41

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:101 Resp: 7728
Ion Ratio Lower Upper
101 100
103 69.1 51.1 76.7



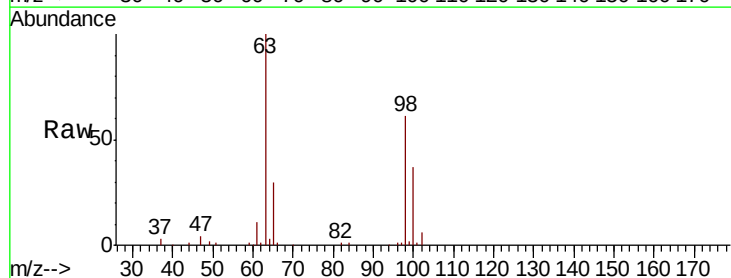
Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



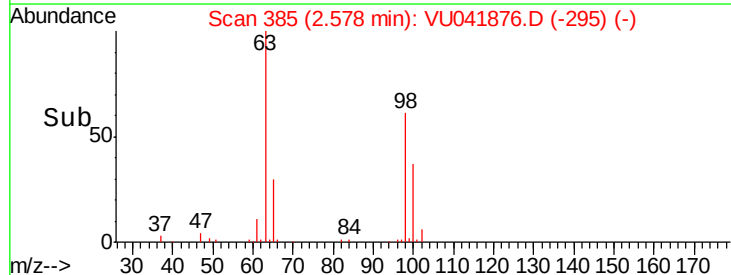
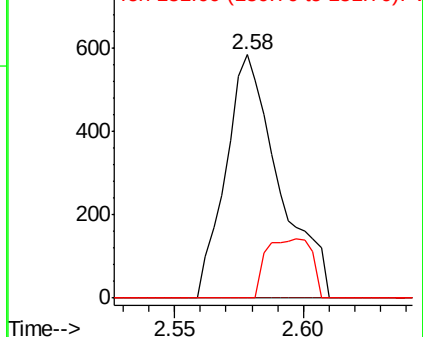
#10

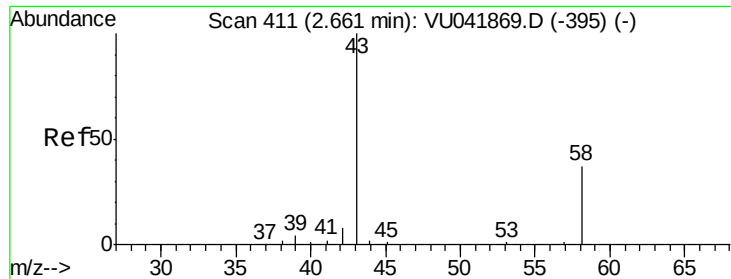
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.088 ug/L
RT: 2.58 min Scan# 385
Delta R.T. -0.01 min
Lab File: VU041876.D
Acq: 07 Jan 2021 16:41

Tgt Ion:101 Resp: 839
Ion Ratio Lower Upper
101 100
85 0.0 33.6 50.4#
151 20.7 56.2 84.4#



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





#13

Acetone

Concen: 1.283 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU041876.D

Acq: 07 Jan 2021 16:41

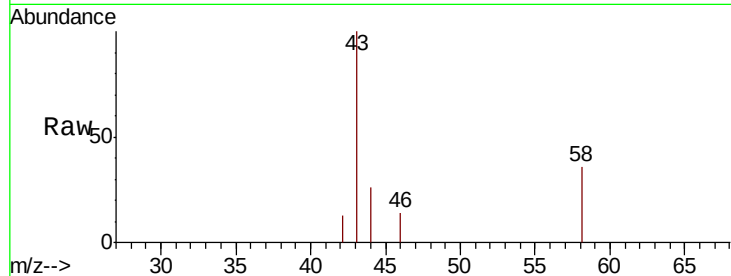
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 2547

Ion Ratio Lower Upper

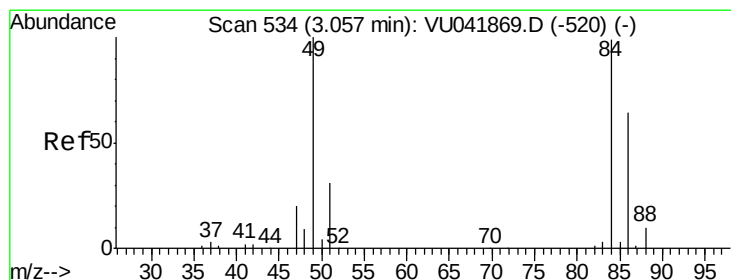
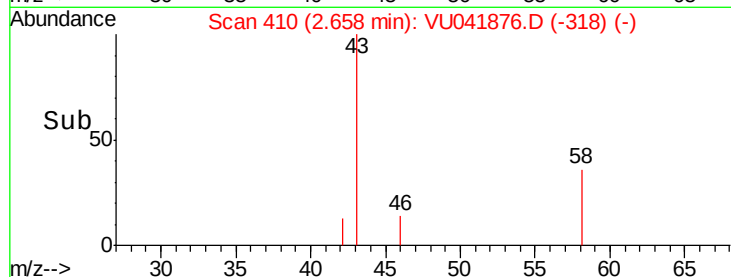
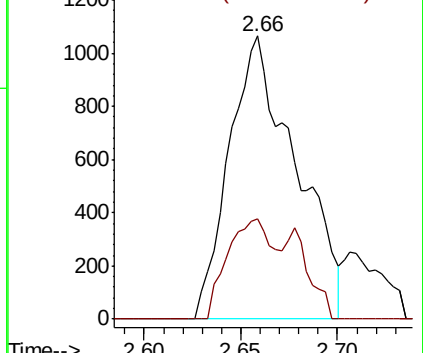
43 100

58 25.4 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU041876.D (-318) (-)

Ion 58.05 (57.75 to 58.75): VU041876.D (-318) (-)



#16

Methylene chloride

Concen: 0.192 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041876.D

Acq: 07 Jan 2021 16:41

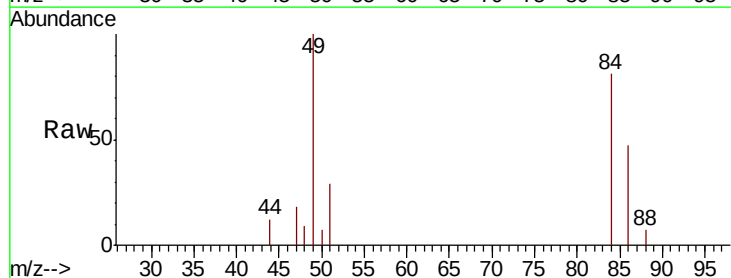
Tgt Ion: 84 Resp: 2164

Ion Ratio Lower Upper

84 100

86 58.3 45.1 83.7

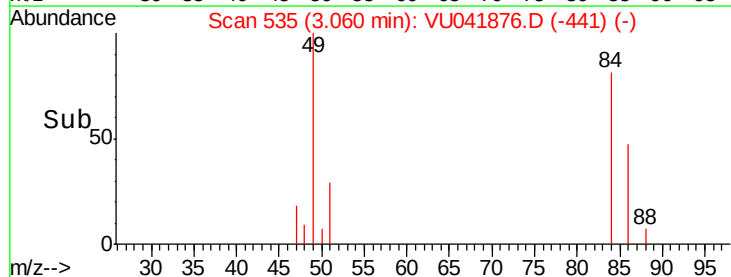
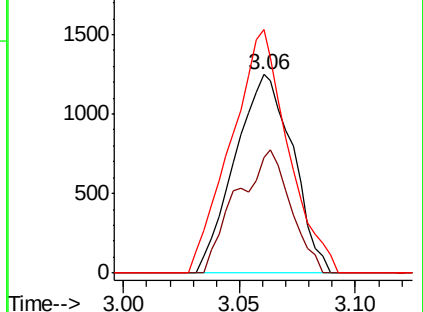
49 122.9 83.1 154.3

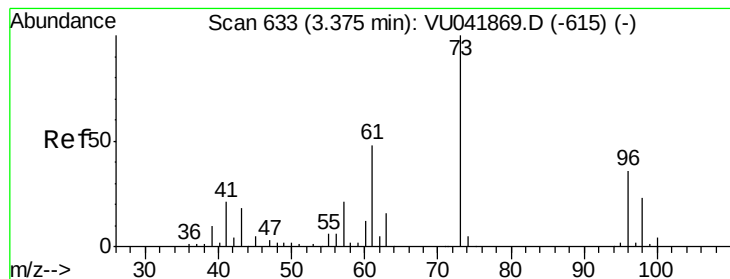


Abundance Ion 84.05 (83.75 to 84.75): VU041876.D (-441) (-)

Ion 86.00 (85.70 to 86.70): VU041876.D (-441) (-)

Ion 49.10 (48.80 to 49.80): VU041876.D (-441) (-)



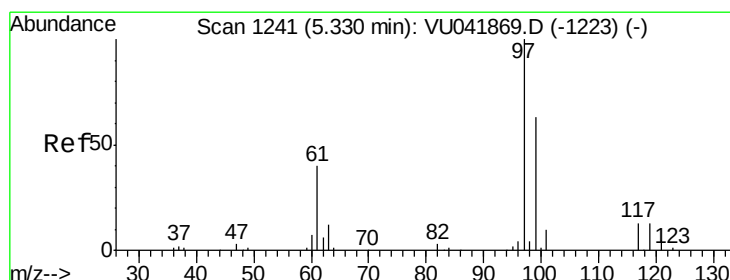
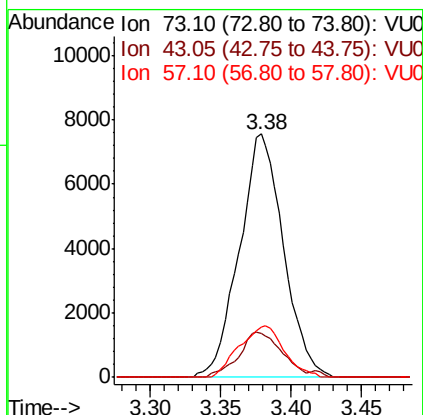
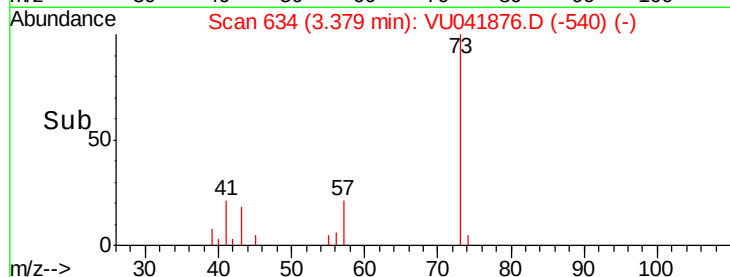
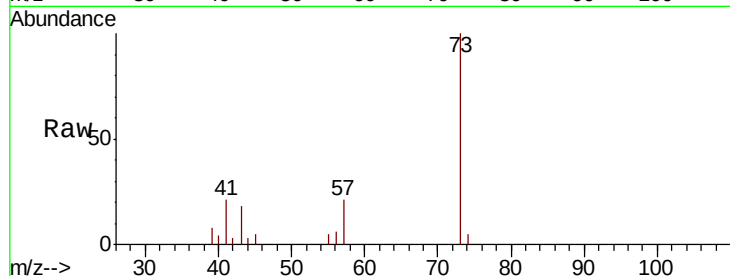


#17

Methyl tert-butyl Ether
 Concen: 0.655 ug/L
 RT: 3.38 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VU041876.D
 Acq: 07 Jan 2021 16:41

Instrument :
 MSVOA_U
 ClientSampleId :

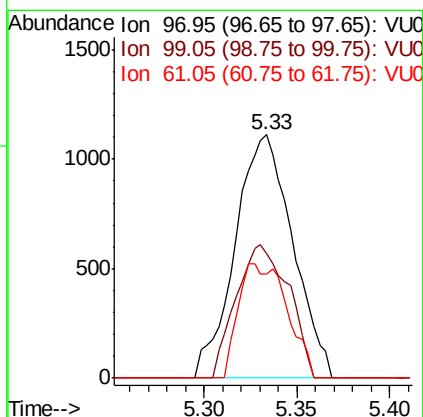
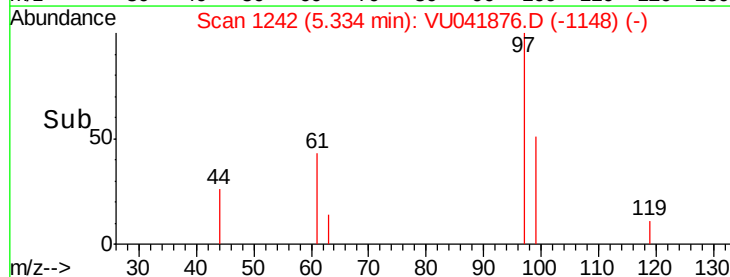
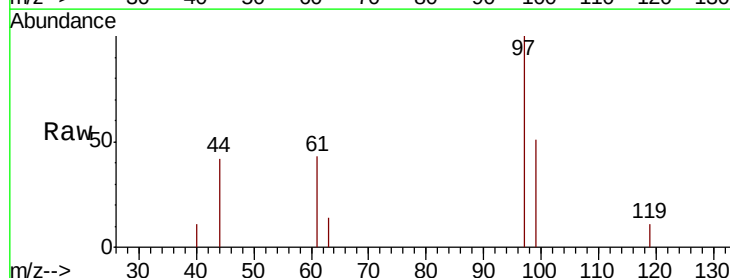
Tot Ion: 73 Resp: 16486
 Ion Ratio Lower Upper
 73 100
 43 18.0 14.7 22.1
 57 21.5 18.2 27.4

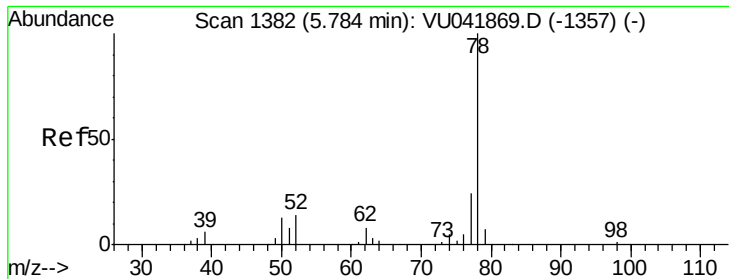


#29

1,1,1-Trichloroethane
 Concen: 0.149 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU041876.D
 Acq: 07 Jan 2021 16:41

Tgt Ion: 97 Resp: 2400
 Ion Ratio Lower Upper
 97 100
 99 50.0 51.3 76.9#
 61 39.7 36.5 54.7

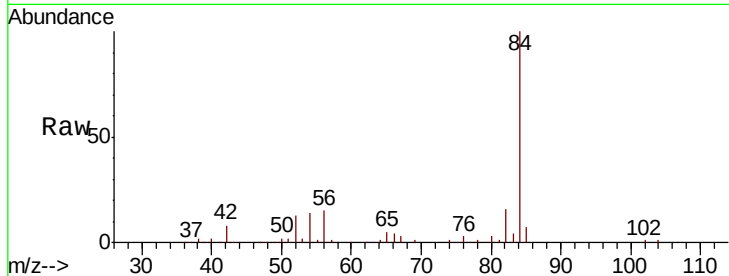




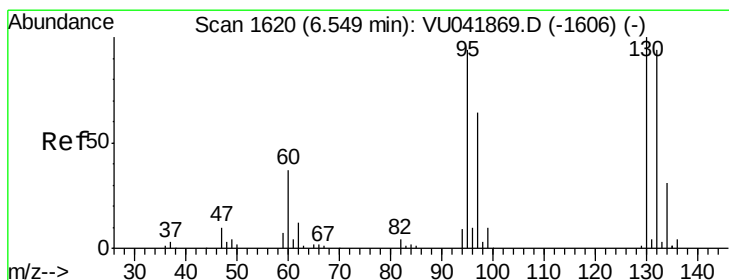
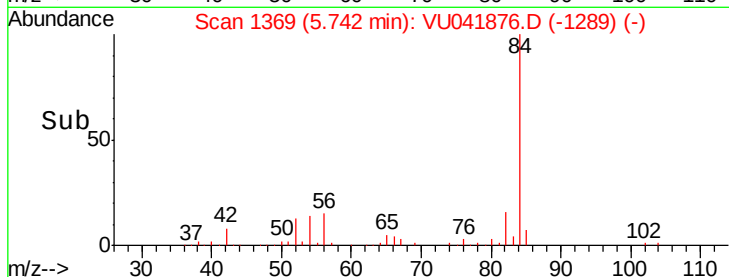
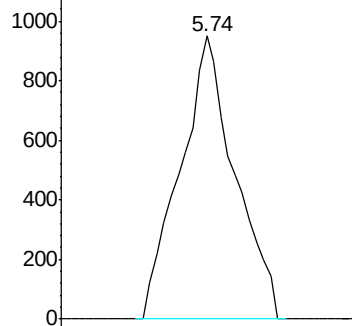
#33
Benzene
Concen: 0.037 ug/L
RT: 5.74 min Scan# 1369
Delta R.T. -0.04 min
Lab File: VU041876.D
Acq: 07 Jan 2021 16:41

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 78 Resp: 1636

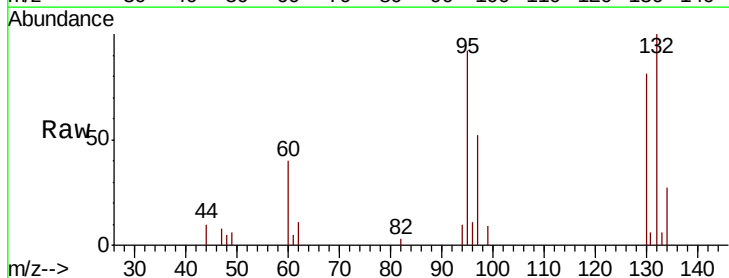


Abundance Ion 78.10 (77.80 to 78.80): VU0



#34
Trichloroethene
Concen: 0.440 ug/L
RT: 6.56 min Scan# 1622
Delta R.T. 0.01 min
Lab File: VU041876.D
Acq: 07 Jan 2021 16:41

Tgt Ion: 95 Resp: 4945
Ion Ratio Lower Upper
95 100
97 56.4 43.9 81.5
132 108.5 63.1 117.3
130 87.9 67.4 125.2

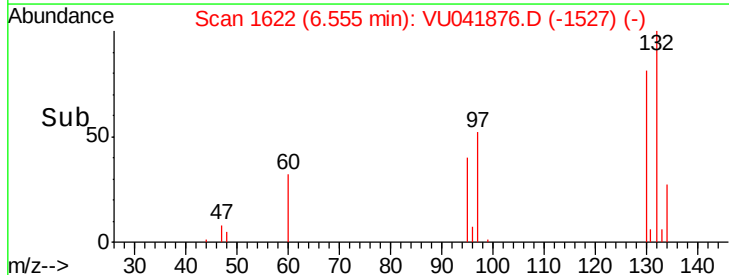
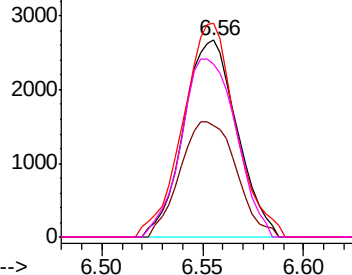


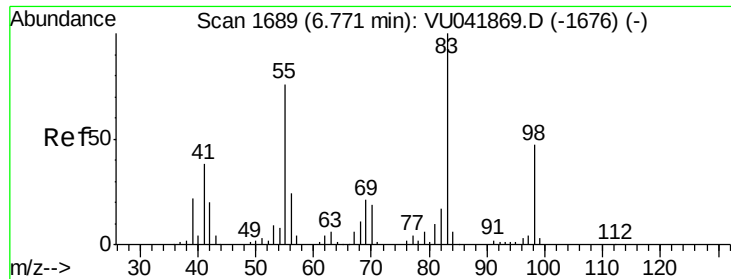
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

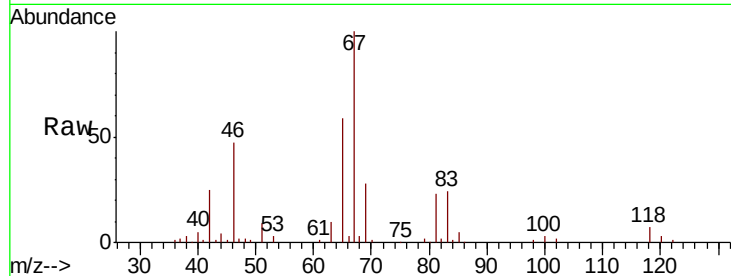




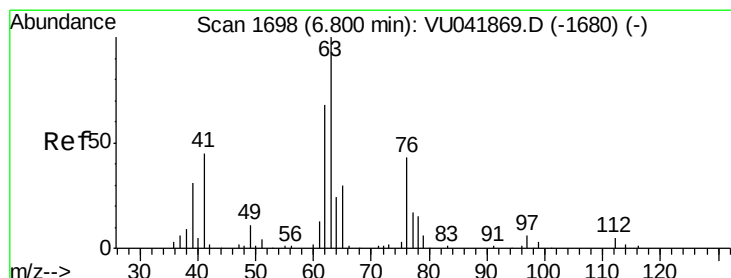
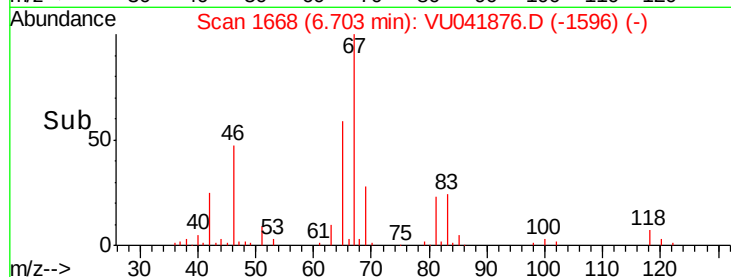
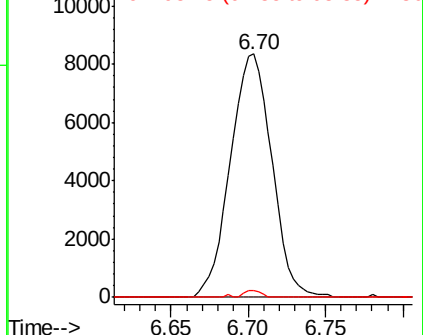
#35
Methylvlcyclohexane
Concen: 0.857 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041876.D
Acq: 07 Jan 2021 16:41

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 15559
Ion Ratio Lower Upper
83 100
55 0.0 61.2 91.8#
98 1.1 36.6 54.8#

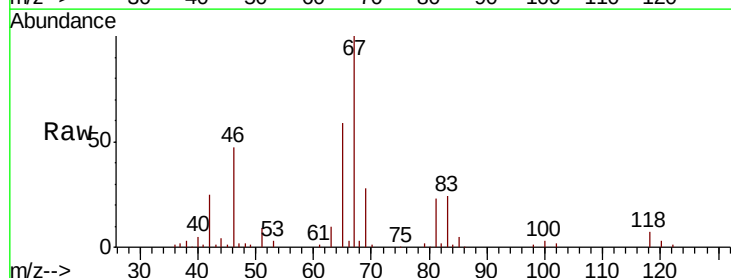


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

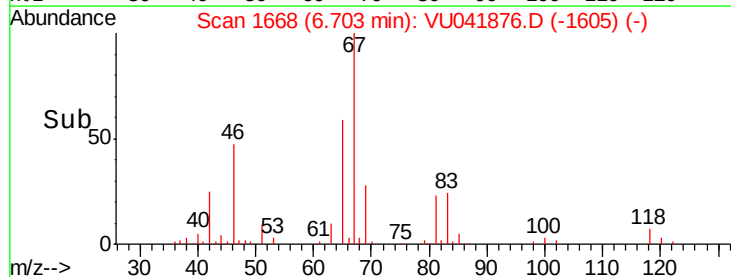
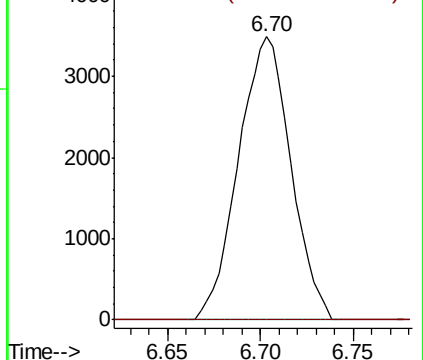


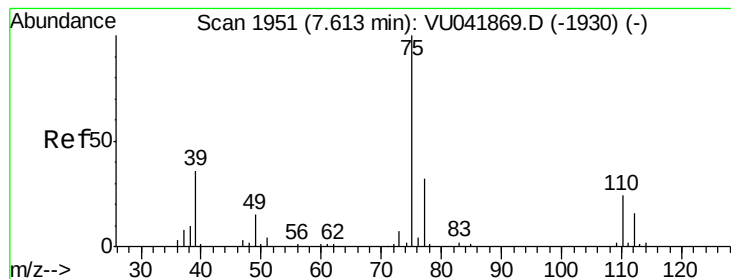
#37
1,2-Dichloropropane
Concen: 0.598 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041876.D
Acq: 07 Jan 2021 16:41

Tgt Ion: 63 Resp: 6835
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



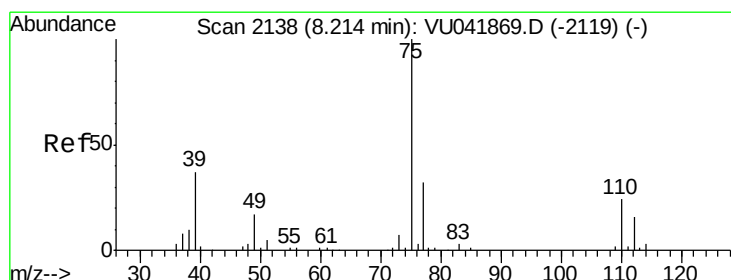
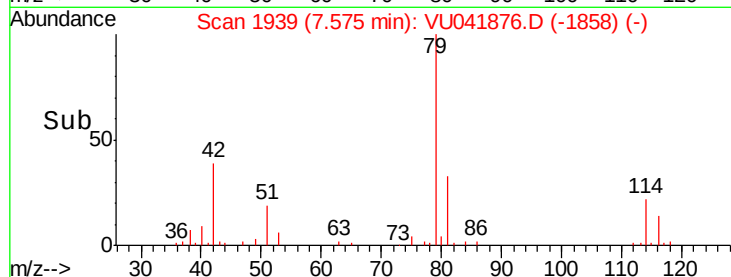
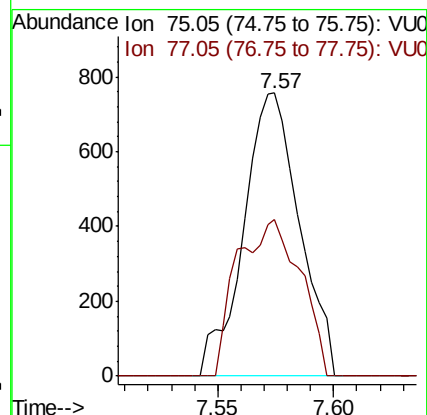
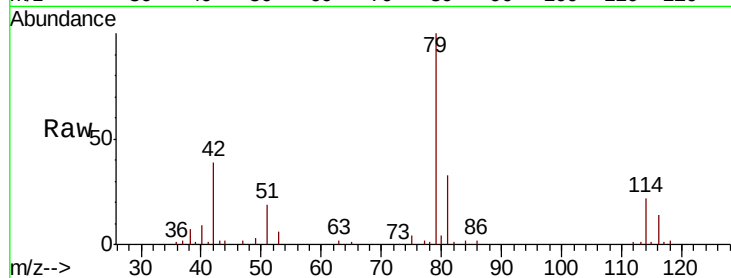


#39

cis-1,3-Dichloropropene
Concen: 0.075 ug/L
RT: 7.57 min Scan# 1939
Delta R.T. -0.04 min
Lab File: VU041876.D
Acq: 07 Jan 2021 16:41

Instrument :
MSVOA_U
ClientSampleId :

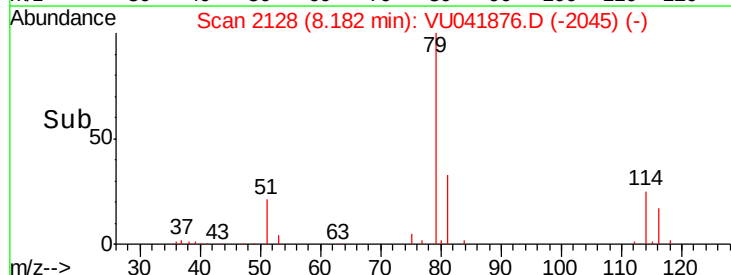
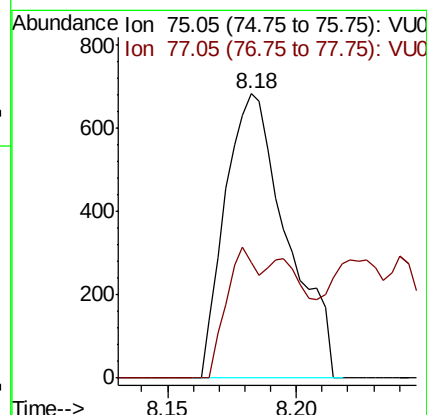
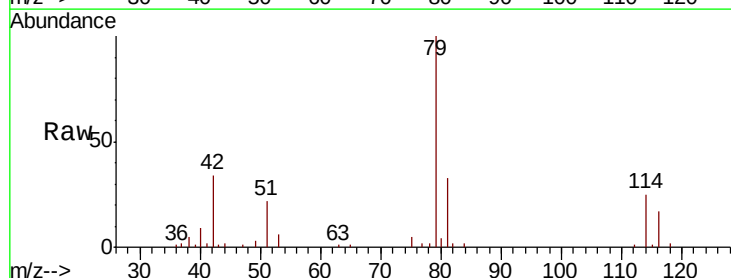
Tot Ion: 75 Resp: 1271
Ion Ratio Lower Upper
75 100
77 55.5 22.3 41.3#

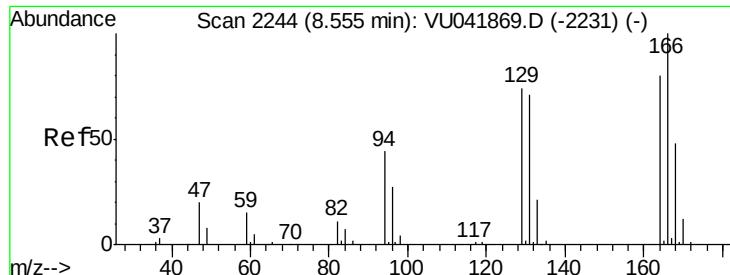


#44

trans-1,3-Dichloropropene
Concen: 0.075 ug/L
RT: 8.18 min Scan# 2128
Delta R.T. -0.03 min
Lab File: VU041876.D
Acq: 07 Jan 2021 16:41

Tgt Ion: 75 Resp: 1132
Ion Ratio Lower Upper
75 100
77 40.2 23.8 44.2





#47

Tetrachloroethene

Concen: 0.456 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU041876.D

Acq: 07 Jan 2021 16:41

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:164 Resp: 3589

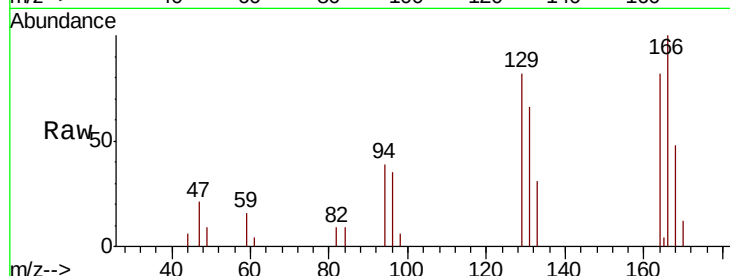
Ion Ratio Lower Upper

164 100

129 100.4 72.2 134.0

131 80.2 66.9 124.3

166 122.4 89.6 166.4

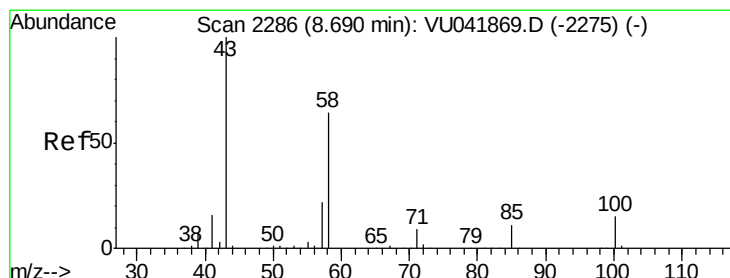
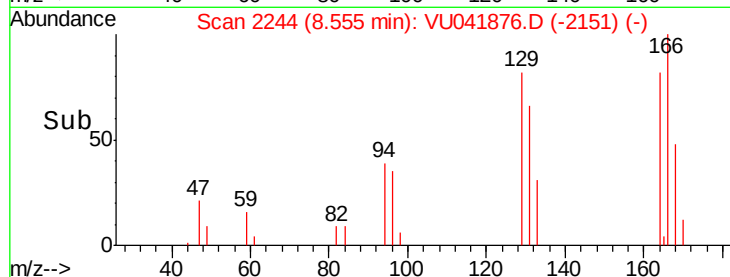
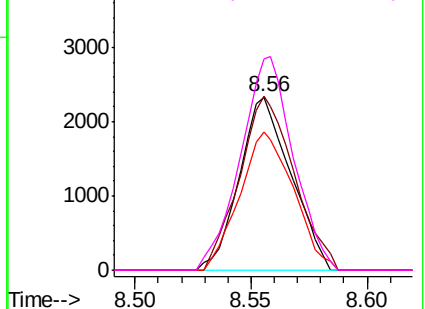


Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.030 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU041876.D

Acq: 07 Jan 2021 16:41

Tgt Ion: 43 Resp: 17948

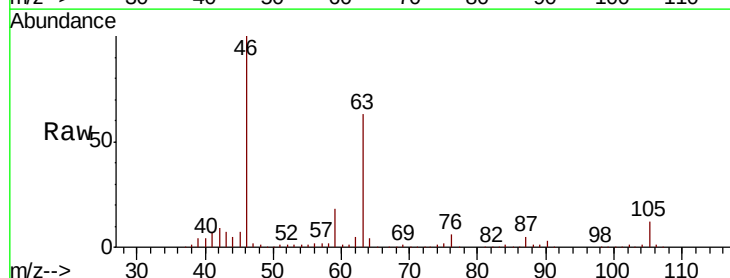
Ion Ratio Lower Upper

43 100

58 30.1 47.9 71.9#

57 29.8 16.5 24.7#

100 2.5 9.4 14.2#

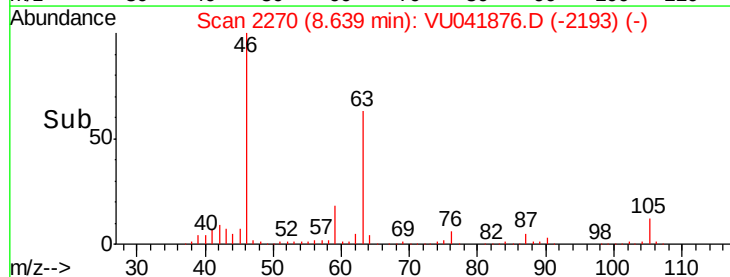
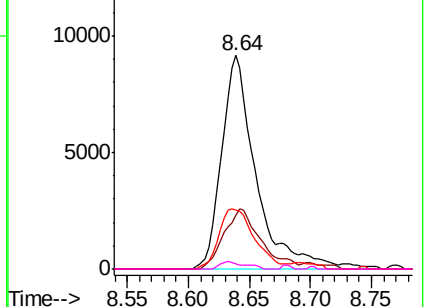


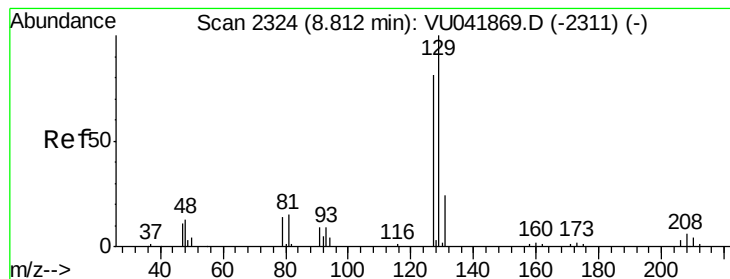
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 0.393 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU041876.D

Acq: 07 Jan 2021 16:41

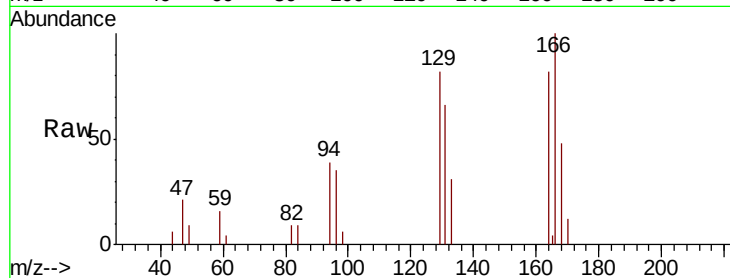
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:129 Resp: 3822

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

8.56

2500

2000

1500

1000

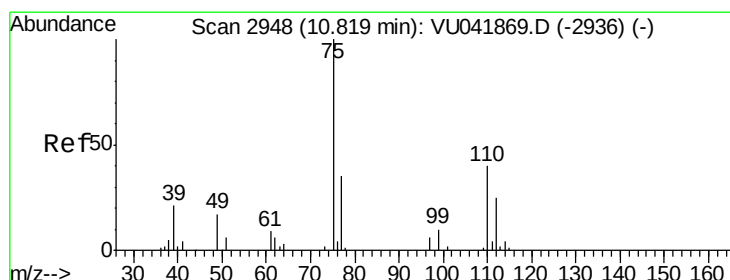
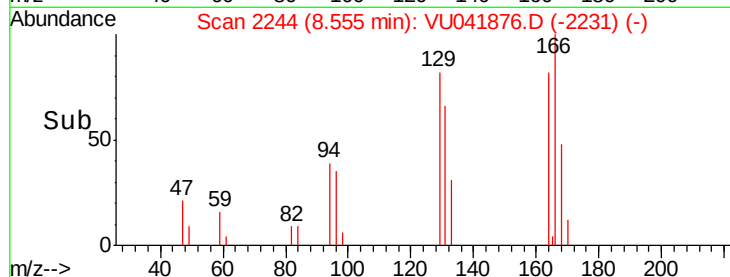
500

0

Time--> 8.50

8.55

8.60



#59

1,2,3-Trichloropropane

Concen: 0.651 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041876.D

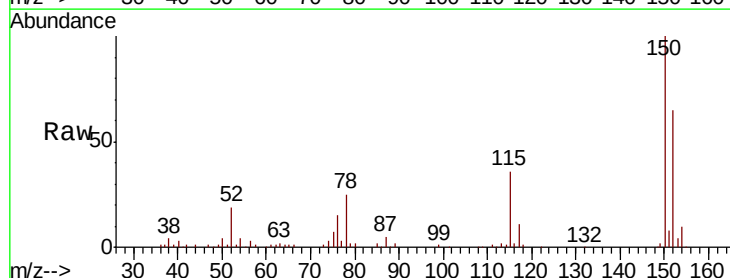
Acq: 07 Jan 2021 16:41

Tgt Ion: 75 Resp: 5591

Ion Ratio Lower Upper

75 100

77 35.4 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.81

4000

3000

2000

1000

0

Time--> 11.75

11.80

11.85

