

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
 Data File : VU041944.D
 Acq On : 12 Jan 2021 01:00
 Operator : SY/MD
 Sample : M1049-02DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AQ4DL

Quant Time: Jan 12 05:52:01 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011121WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jan 12 05:50:11 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	100918	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	98802	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	41505	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	42894	5.04	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.80%
7) Chloroethane-d5	1.92	69	42235	5.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.20%
11) 1,1-Dichloroethene-d2	2.58	63	61683	3.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.40%
20) 2-Butanone-d5	4.66	46	138232	58.48	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.96%
24) Chloroform-d	5.08	84	78848	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
26) 1,2-Dichloroethane-d4	5.72	65	47416	5.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.00%
32) Benzene-d6	5.74	84	149280	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
36) 1,2-Dichloropropane-d6	6.70	67	49994	5.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.00%
41) Toluene-d8	7.90	98	125932	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
43) trans-1,3-Dichloropropene-	8.19	79	19168	5.01	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.20%
46) 2-Hexanone-d5	8.64	63	119266	61.59	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.18%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	46058	5.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	45412	5.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.52	50	663	0.062	ug/L	89
9) Trichlorofluoromethane	2.15	101	35345	2.376	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	535	0.066	ug/L #	20
12) 1,1-Dichloroethene	2.58	96	450	0.057	ug/L #	1
16) Methylene chloride	3.06	84	10839	1.095	ug/L	96
25) Chloroform	5.11	83	1174	0.078	ug/L	86
27) 1,2-Dichloroethane	5.74	62	858	0.089	ug/L #	73
34) Trichloroethene	6.55	95	9704	1.161	ug/L	92
35) Methylcyclohexane	6.70	83	11590	0.943	ug/L #	17
37) 1,2-Dichloropropane	6.70	63	5268	0.663	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1106	0.094	ug/L #	78
44) trans-1,3-Dichloropropene	8.18	75	790	0.076	ug/L	84
47) Tetrachloroethene	8.56	164	59004	10.144	ug/L	97
49) Dibromochloromethane	8.56	129	57722	7.791	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	4461	0.769	ug/L	95

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jan 12 05:50:11 2021
Response via : Initial Calibration

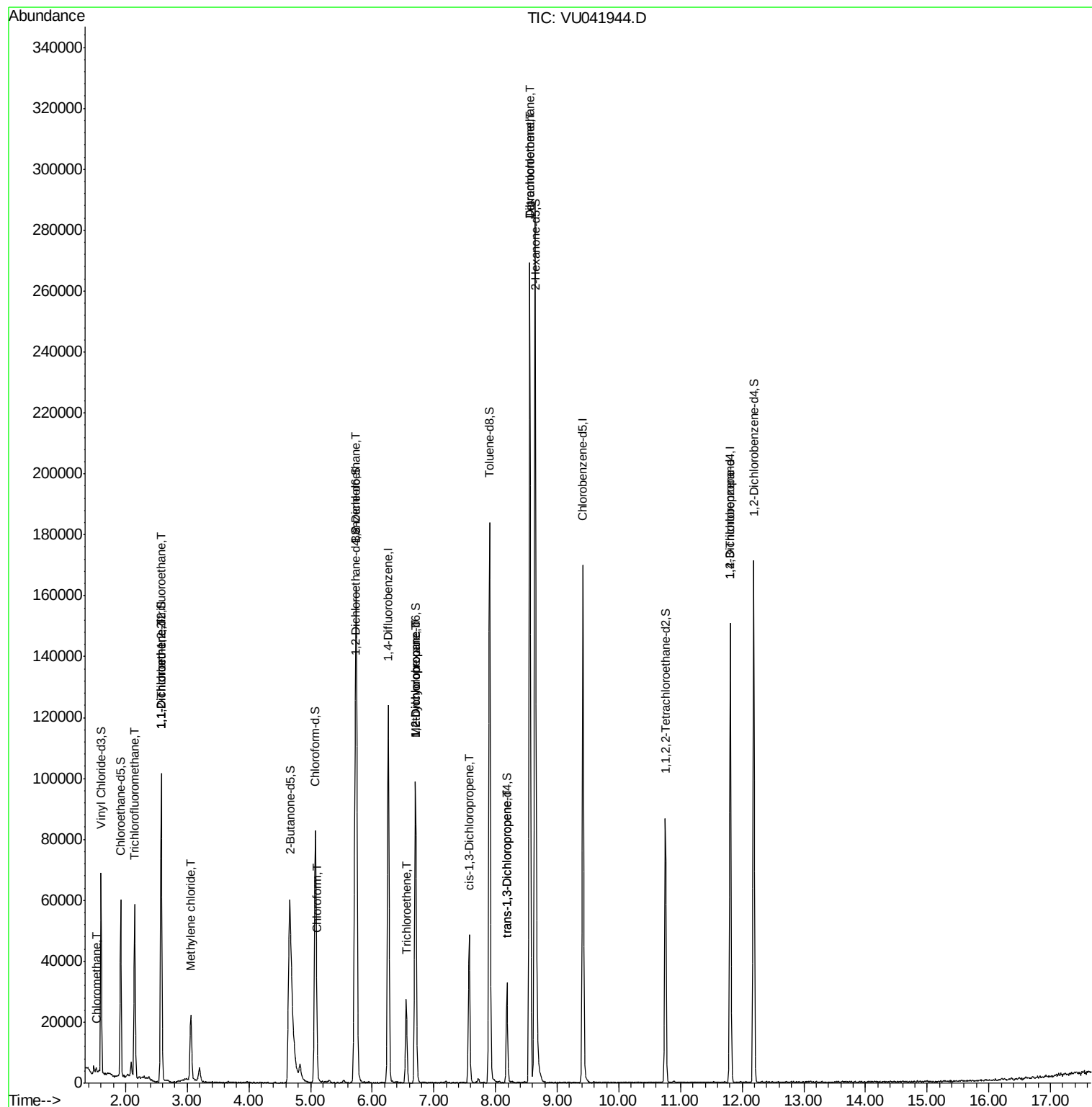
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

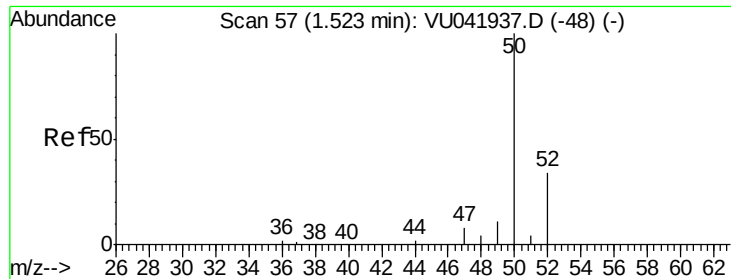
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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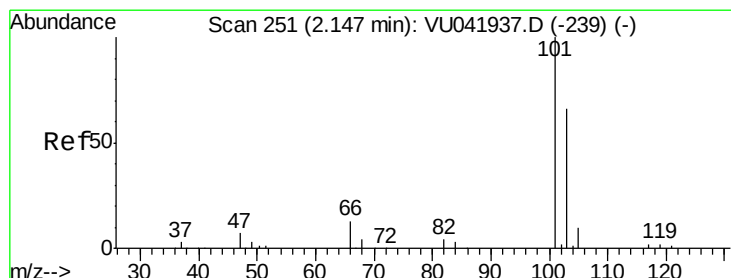
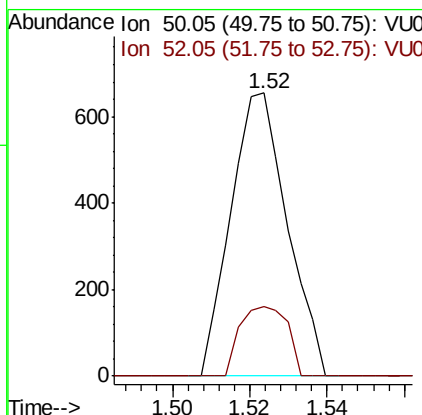
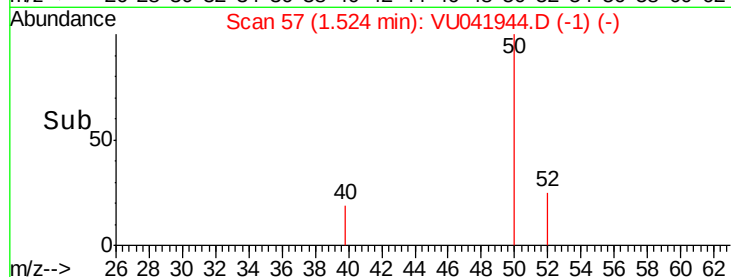
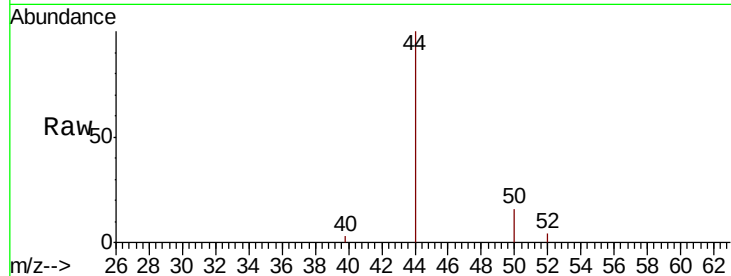




#3
 Chloromethane
 Concen: 0.062 ug/L
 RT: 1.52 min Scan# 57
 Delta R.T. 0.00 min
 Lab File: VU041944.D
 Acq: 12 Jan 2021 01:00

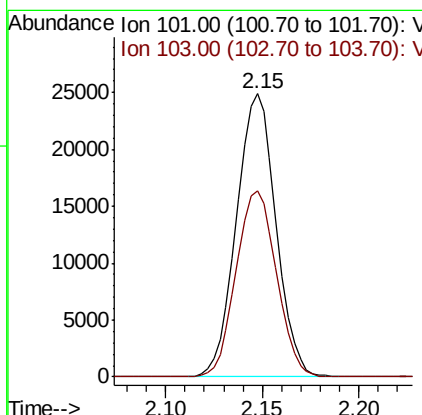
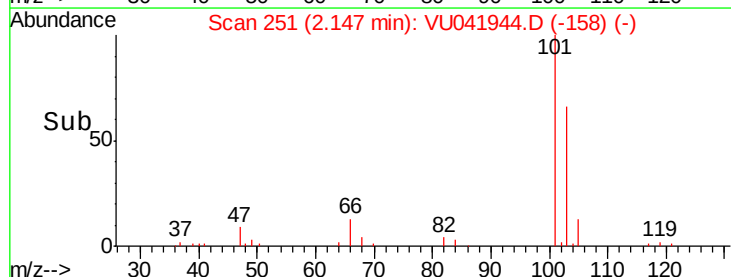
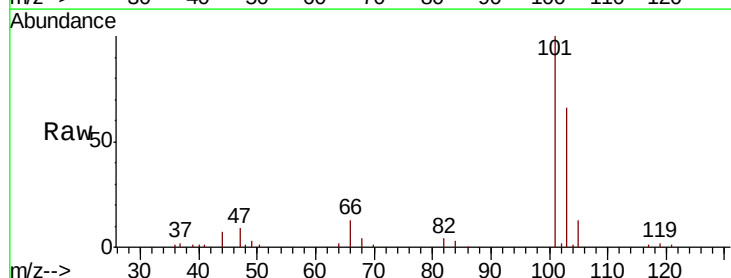
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AQ4DL

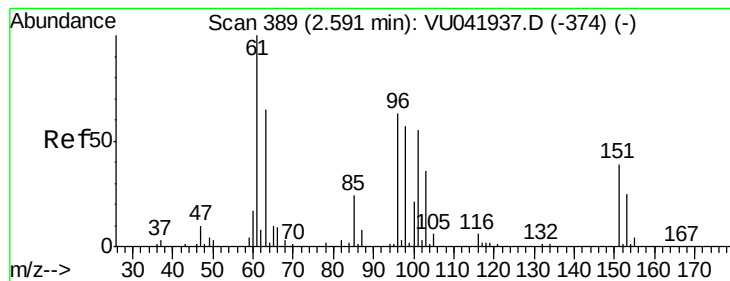
Tot Ion: 50 Resp: 663
 Ion Ratio Lower Upper
 50 100
 52 24.8 21.4 39.8



#9
 Trichlorofluoromethane
 Concen: 2.376 ug/L
 RT: 2.15 min Scan# 251
 Delta R.T. 0.00 min
 Lab File: VU041944.D
 Acq: 12 Jan 2021 01:00

Tgt Ion:101 Resp: 35345
 Ion Ratio Lower Upper
 101 100
 103 67.1 51.3 76.9





#10

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

Concen: 0.066 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU041944.D

Acq: 12 Jan 2021 01:00

Instrument :

MSVOA_U

ClientSampleId :

C0AQ4DL

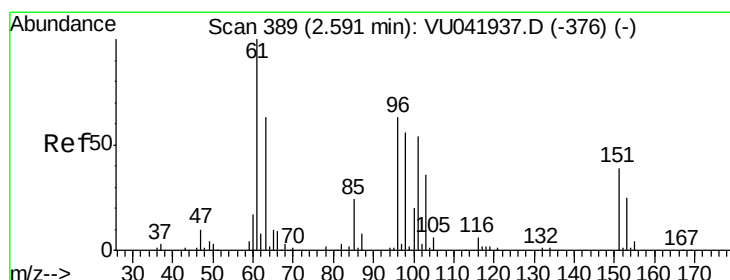
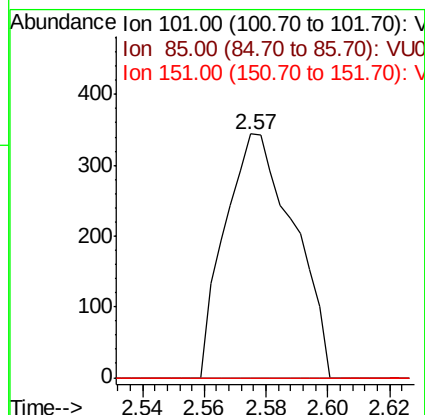
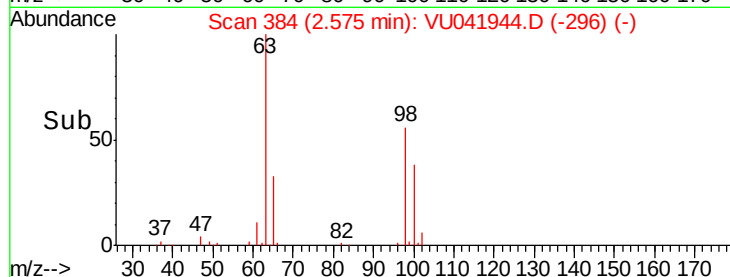
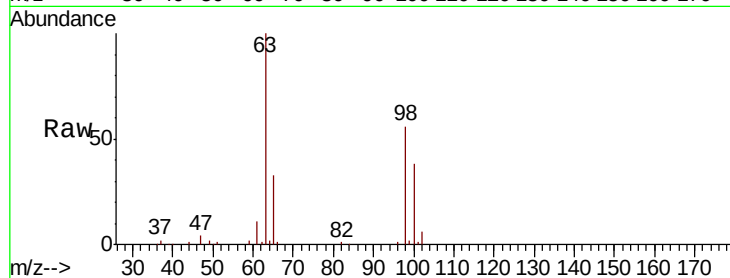
Tot Ion:101 Resp: 535

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

151 0.0 58.2 87.2#



#12

1,1-Dichloroethene

Concen: 0.057 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU041944.D

Acq: 12 Jan 2021 01:00

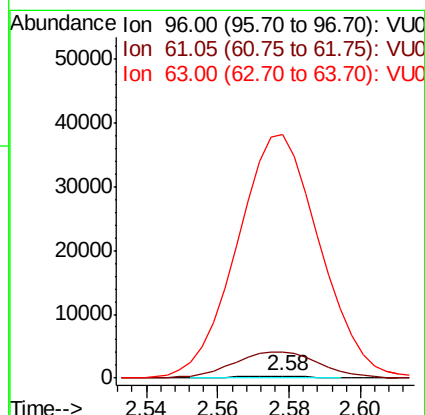
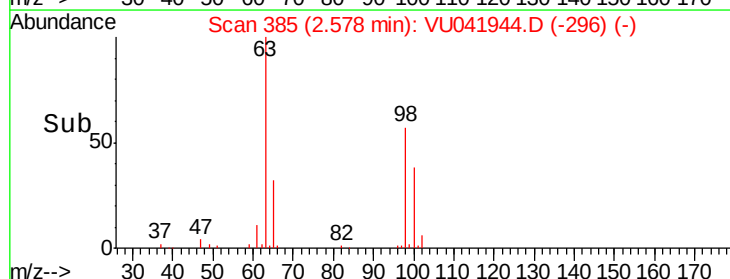
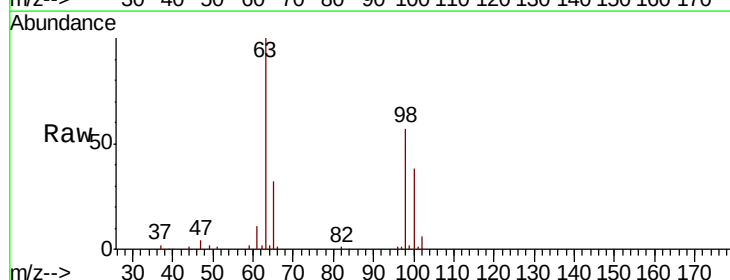
Tgt Ion: 96 Resp: 450

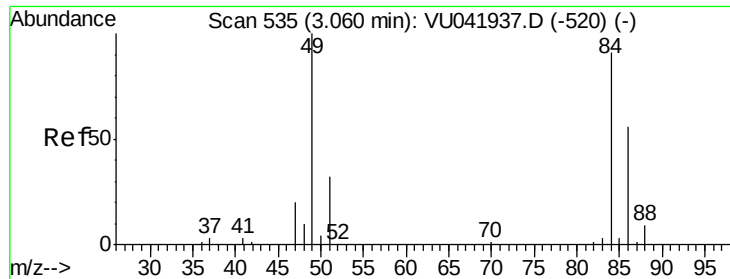
Ion Ratio Lower Upper

96 100

61 1123.1 123.5 229.4#

63 10487.9 93.5 173.7#

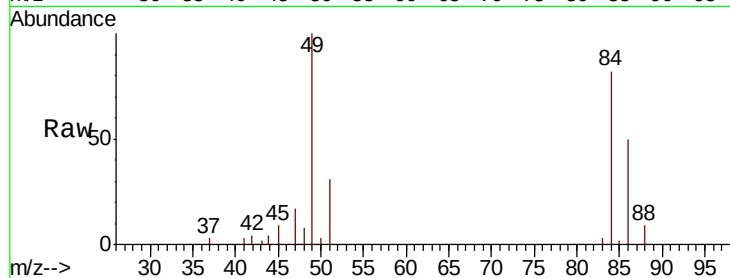




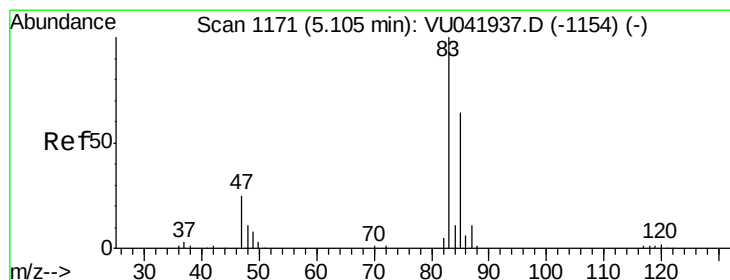
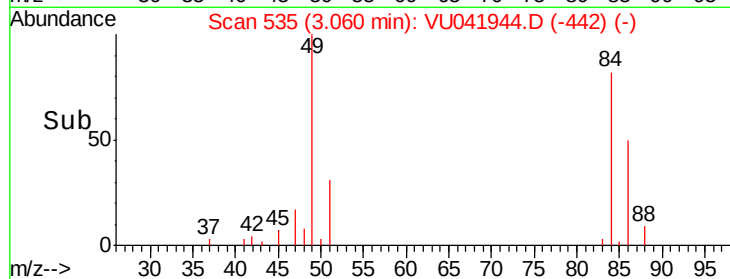
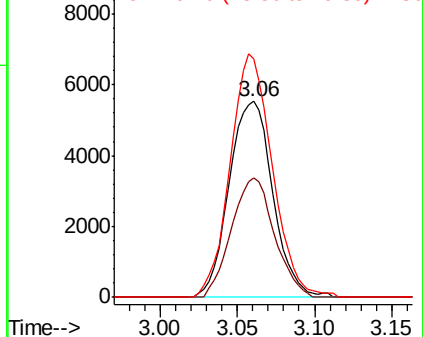
#16
Methvlene chloride
Concen: 1.095 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041944.D
Acq: 12 Jan 2021 01:00

Instrument :
MSVOA_U
ClientSampleId :
C0AQ4DL

Tot Ion: 84 Resp: 10839
Ion Ratio Lower Upper
84 100
86 61.1 43.5 80.7
49 122.0 81.8 151.8

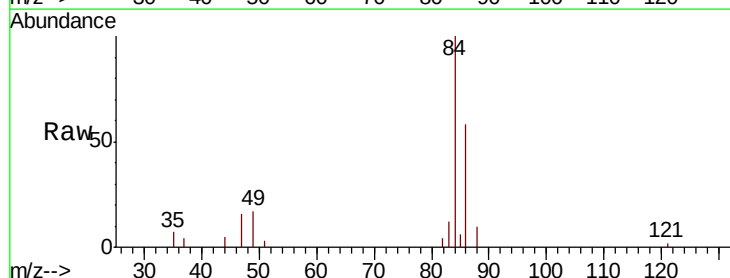


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

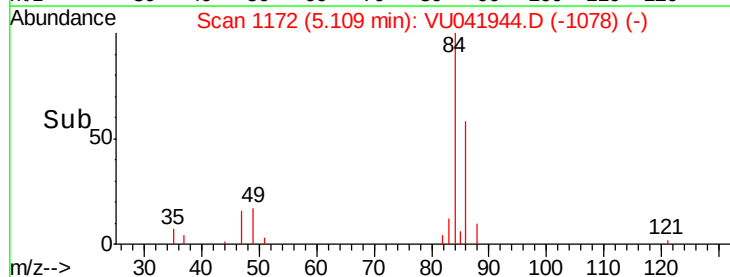
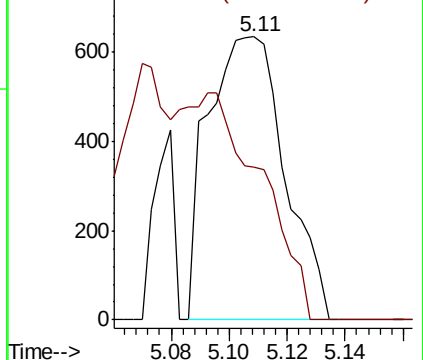


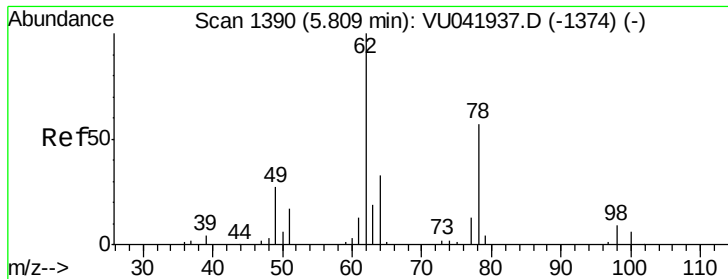
#25
Chloroform
Concen: 0.078 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU041944.D
Acq: 12 Jan 2021 01:00

Tgt Ion: 83 Resp: 1174
Ion Ratio Lower Upper
83 100
85 53.8 45.1 83.9



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

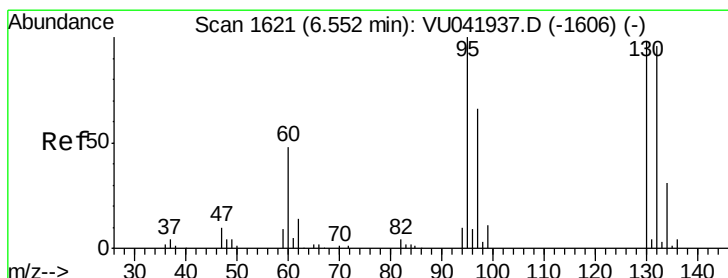
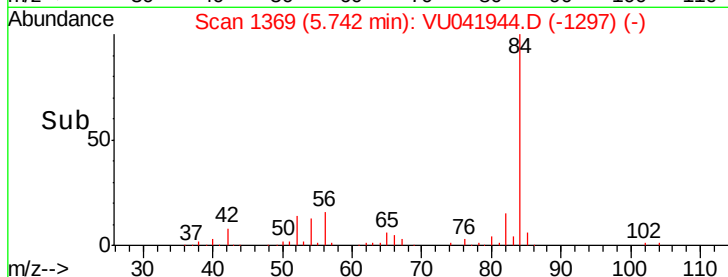
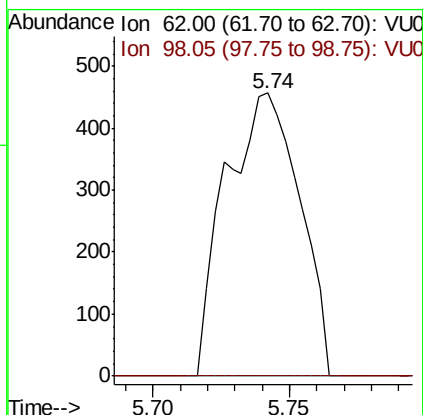
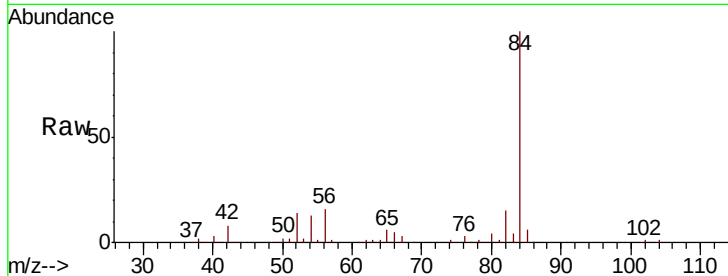




#27
 1,2-Dichloroethane
 Concen: 0.089 ug/L
 RT: 5.74 min Scan# 1369
 Delta R.T. -0.07 min
 Lab File: VU041944.D
 Acq: 12 Jan 2021 01:00

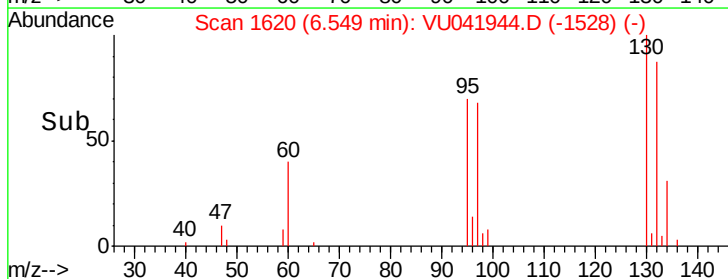
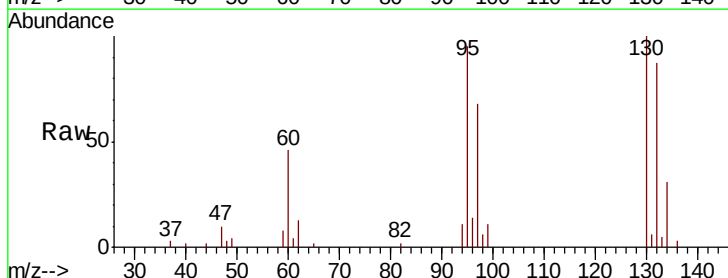
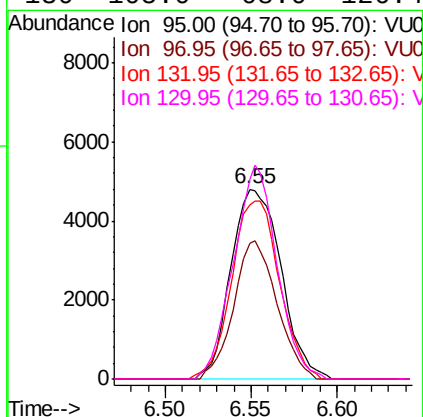
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AQ4DL

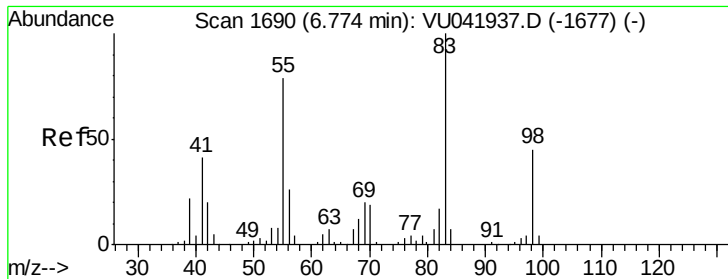
Tot Ion: 62 Resp: 858
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.8 11.8#



#34
 Trichloroethene
 Concen: 1.161 ug/L
 RT: 6.55 min Scan# 1620
 Delta R.T. -0.00 min
 Lab File: VU041944.D
 Acq: 12 Jan 2021 01:00

Tgt Ion: 95 Resp: 9704
 Ion Ratio Lower Upper
 95 100
 97 71.7 45.2 84.0
 132 91.8 68.7 127.5
 130 105.0 68.0 126.4

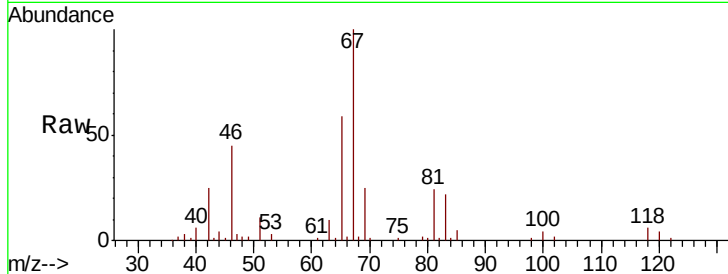




#35
Methylcyclohexane
Concen: 0.943 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041944.D
Acq: 12 Jan 2021 01:00

Instrument :
MSVOA_U
ClientSampleId :
C0AQ4DL

Tot Ion	83	Resp	11590
Ion Ratio	100		
Lower	64.3		
Upper	96.5#		
55	0.0		
98	0.8		
	36.6		
	54.8#		

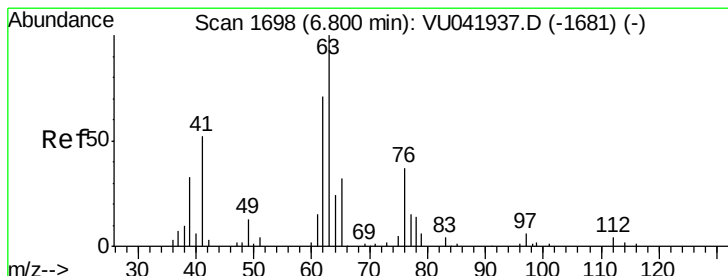
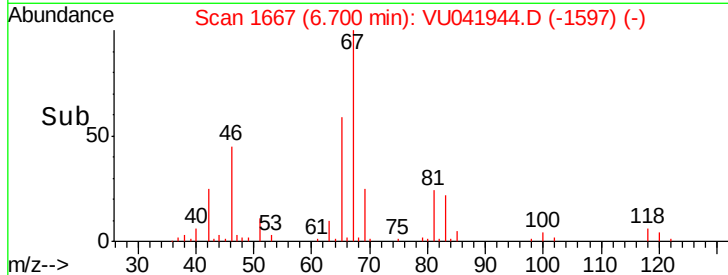
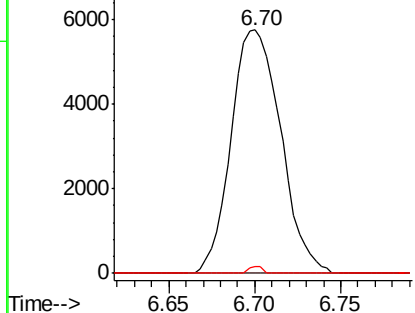


Abundance

Ion 83.15 (82.85 to 83.85): VU0

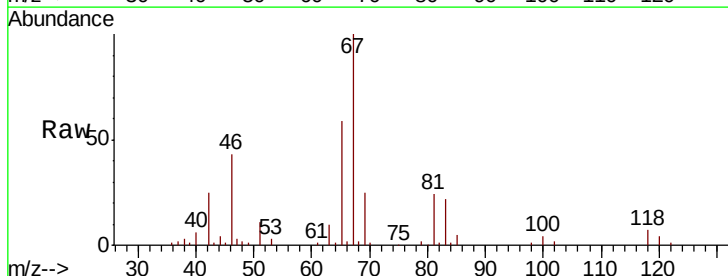
Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0



#37
1,2-Dichloropropane
Concen: 0.663 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041944.D
Acq: 12 Jan 2021 01:00

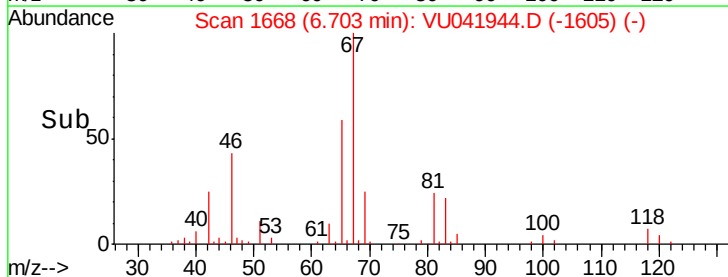
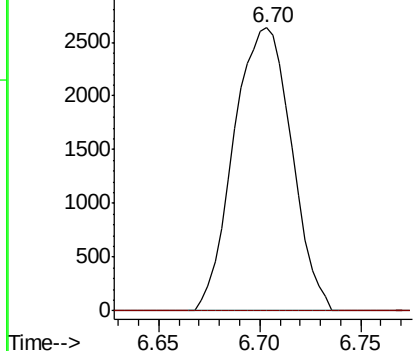
Tgt Ion	63	Resp	5268
Ion Ratio	100		
Lower	3.3		
Upper	4.9#		
112	0.0		

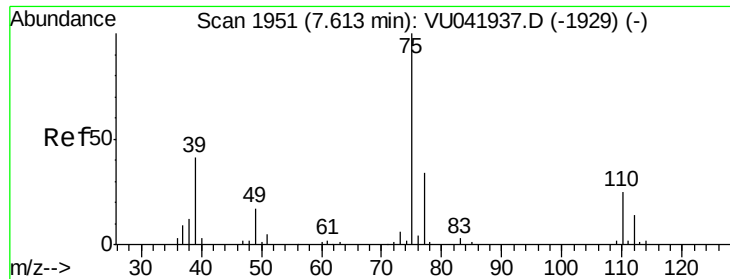


Abundance

Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V





#39

cis-1,3-Dichloropropene

Concen: 0.094 ug/L

RT: 7.57 min Scan# 1938

Delta R.T. -0.04 min

Lab File: VU041944.D

Acq: 12 Jan 2021 01:00

Instrument :

MSVOA_U

ClientSampleId :

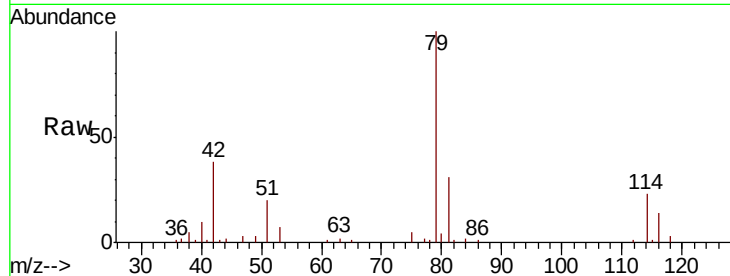
C0AQ4DL

Tot Ion: 75 Resp: 1106

Ion Ratio Lower Upper

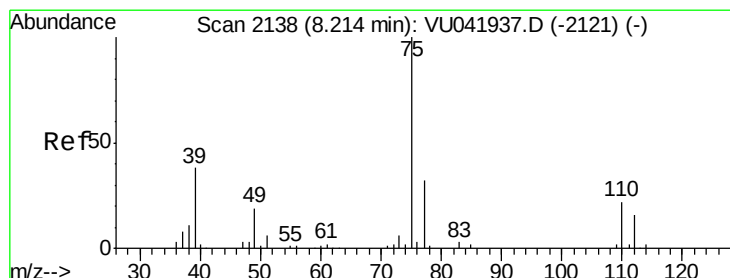
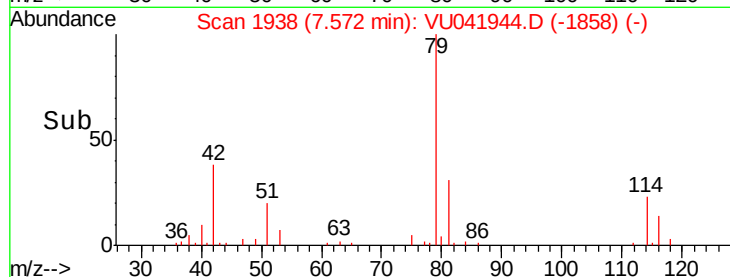
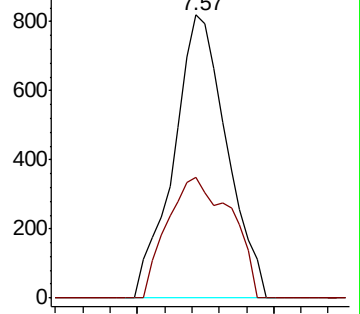
75 100

77 42.6 21.5 39.9#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.076 ug/L

RT: 8.18 min Scan# 2127

Delta R.T. -0.04 min

Lab File: VU041944.D

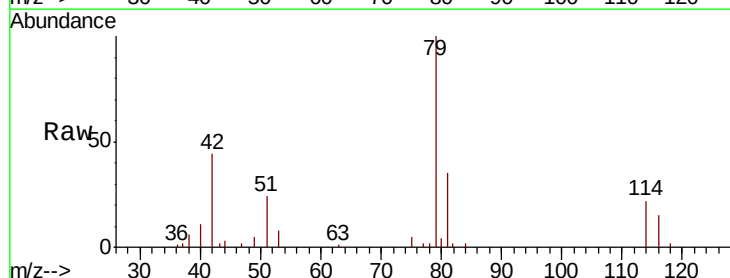
Acq: 12 Jan 2021 01:00

Tgt Ion: 75 Resp: 790

Ion Ratio Lower Upper

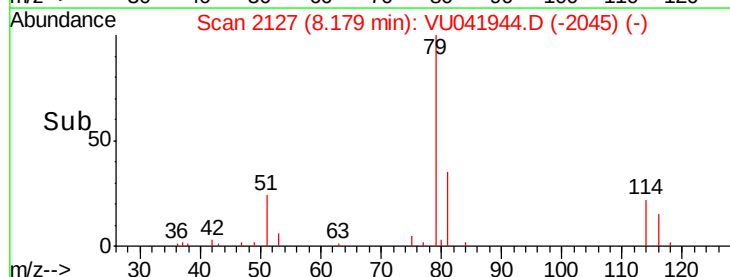
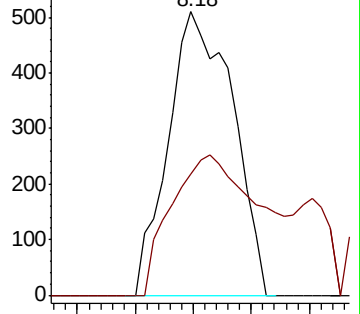
75 100

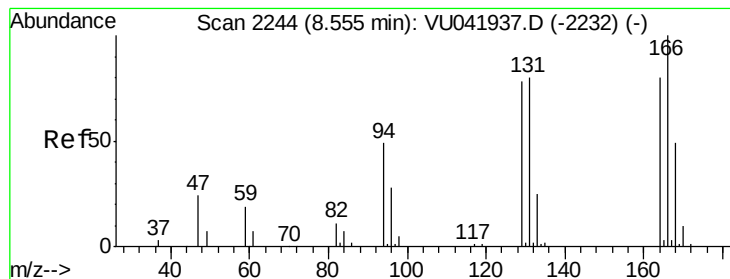
77 42.9 23.7 44.1



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#47

Tetrachloroethene

Concen: 10.144 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU041944.D

Acq: 12 Jan 2021 01:00

Instrument :

MSVOA_U

ClientSampleId :

C0AQ4DL

Tot Ion:164 Resp: 59004

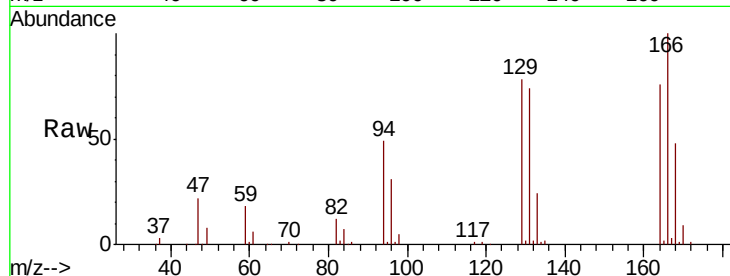
Ion Ratio Lower Upper

164 100

129 102.3 69.2 128.6

131 97.5 69.7 129.5

166 131.1 89.2 165.8

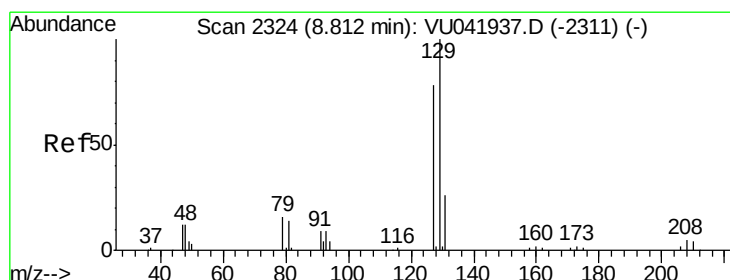
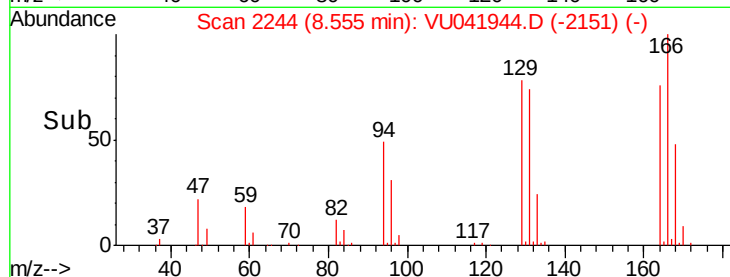
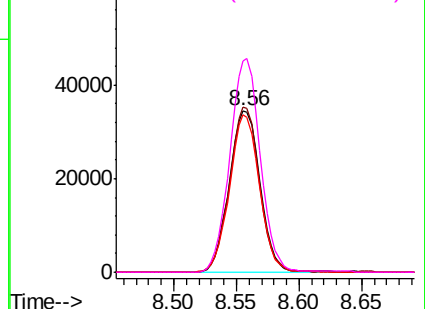


Abundance Ion 163.90 (163.60 to 164.60): V

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



#49

Dibromochloromethane

Concen: 7.791 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU041944.D

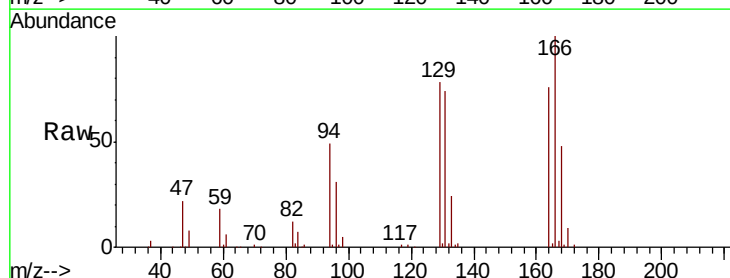
Acq: 12 Jan 2021 01:00

Tgt Ion:129 Resp: 57722

Ion Ratio Lower Upper

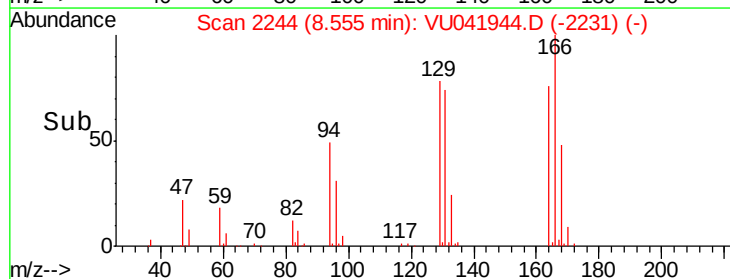
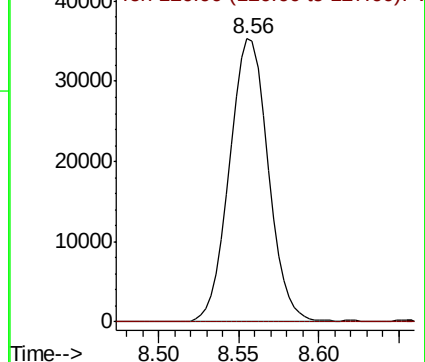
129 100

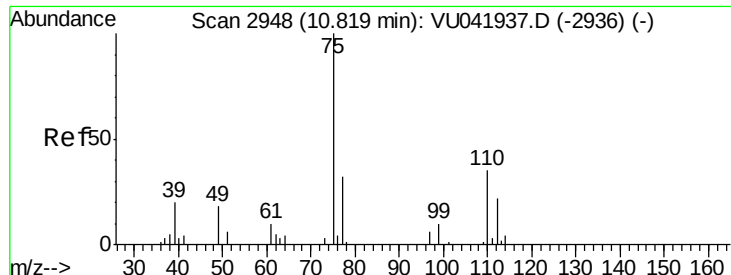
127 0.0 54.9 101.9#



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: 0.769 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041944.D

Acq: 12 Jan 2021 01:00

Instrument :

MSVOA_U

ClientSampleId :

C0AQ4DL

Tot Ion: 75 Resp: 4461

Ion Ratio Lower Upper

75 100

77 30.8 27.0 40.4

