

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122220\
 Data File : VU041733.D
 Acq On : 22 Dec 2020 11:52
 Operator : SY/MD
 Sample : L5148-06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB1T5

Quant Time: Dec 23 04:07:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 23 04:05:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	132424	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	126481	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	57238	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	37558	3.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.60%
7) Chloroethane-d5	1.92	69	42523	5.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.20%
11) 1,1-Dichloroethene-d2	2.58	63	76920	4.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.60%
20) 2-Butanone-d5	4.66	46	169321	56.94	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.88%
24) Chloroform-d	5.08	84	88067	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
26) 1,2-Dichloroethane-d4	5.72	65	52234	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
32) Benzene-d6	5.74	84	173310	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.70	67	56113	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	7.90	98	142773	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
43) trans-1,3-Dichloropropene-	8.18	79	22805	4.47	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.40%
46) 2-Hexanone-d5	8.64	63	148598	53.24	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.48%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	55635	5.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	55867	5.49	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.80%

Target Compounds

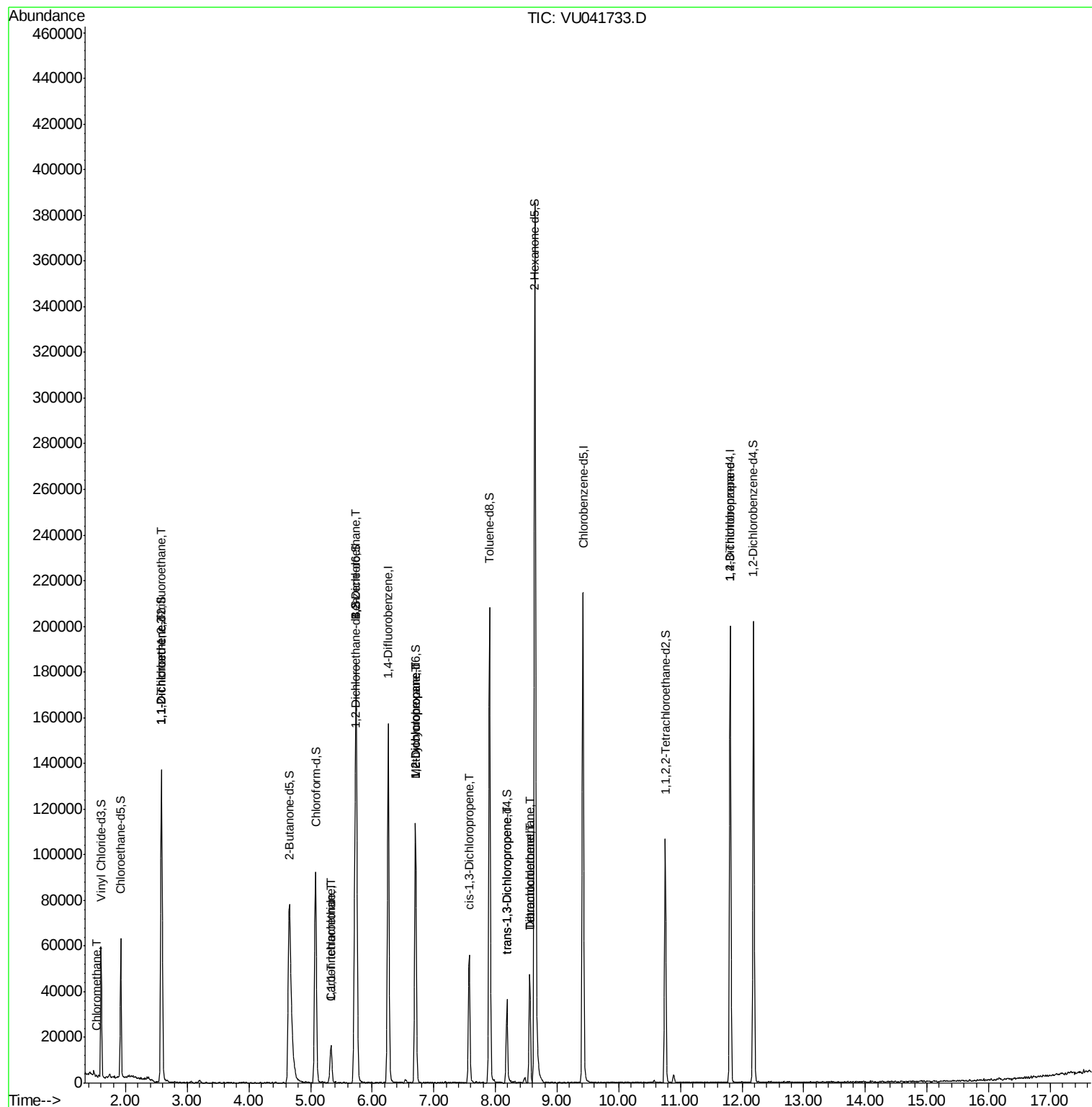
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	508	0.047	ug/L	88
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	647	0.071	ug/L #	22
12) 1,1-Dichloroethene	2.59	96	18041	2.008	ug/L #	52
27) 1,2-Dichloroethane	5.74	62	718	0.061	ug/L #	73
29) 1,1,1-Trichloroethane	5.33	97	12163	0.837	ug/L	97
31) Carbon tetrachloride	5.33	117	1357	0.108	ug/L	87
35) Methylcyclohexane	6.70	83	13289	0.809	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	6018	0.582	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1205	0.079	ug/L #	38
44) trans-1,3-Dichloropropene	8.19	75	963	0.070	ug/L #	40
47) Tetrachloroethene	8.56	164	11380	1.599	ug/L	87
49) Dibromochloromethane	8.56	129	10713	1.219	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	6437	0.828	ug/L	98

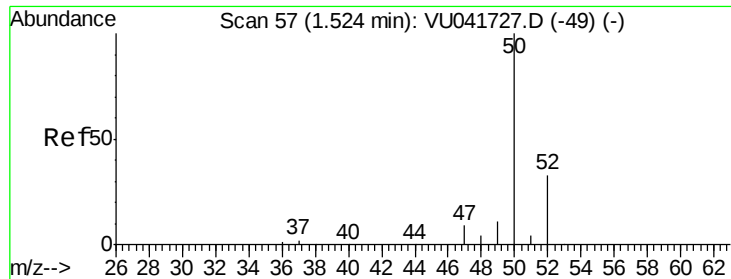
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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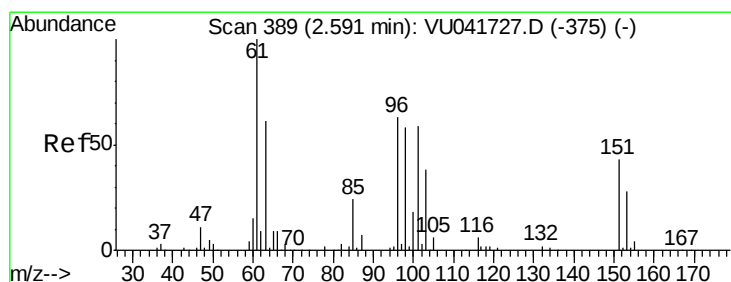
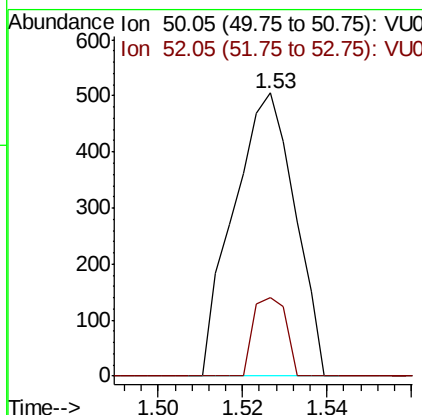
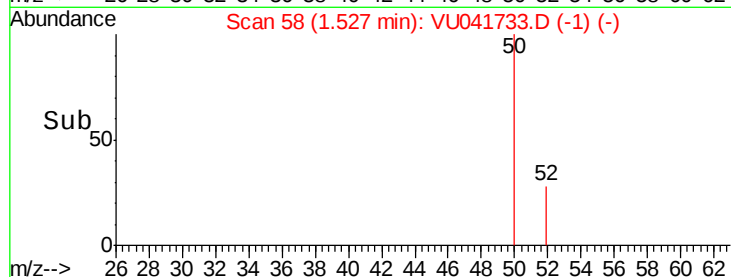
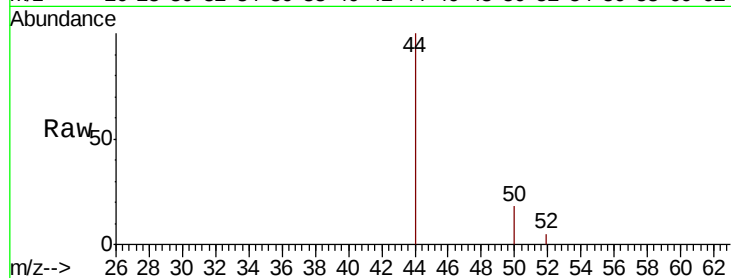




#3
Chloromethane
Concen: 0.047 ug/L
RT: 1.53 min Scan# 58
Delta R.T. 0.00 min
Lab File: VU041733.D
Acq: 22 Dec 2020 11:52

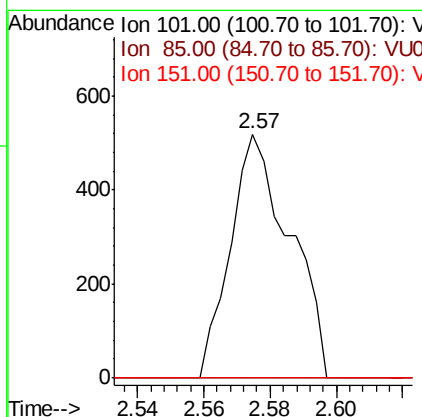
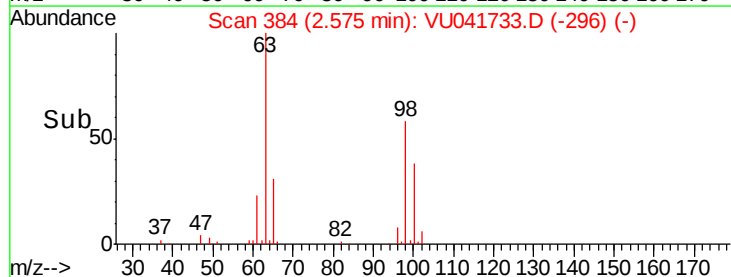
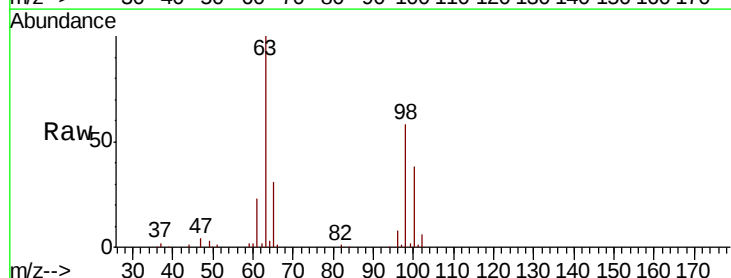
Instrument :
MSVOA_U
ClientSampleId :
GB1T5

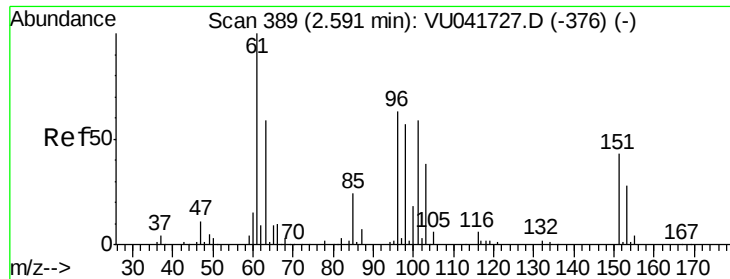
Tot Ion: 50 Resp: 508
Ion Ratio Lower Upper
50 100
52 27.7 24.1 44.8



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.071 ug/L
RT: 2.57 min Scan# 384
Delta R.T. -0.02 min
Lab File: VU041733.D
Acq: 22 Dec 2020 11:52

Tgt Ion:101 Resp: 647
Ion Ratio Lower Upper
101 100
85 0.0 33.6 50.4#
151 0.0 56.2 84.4#

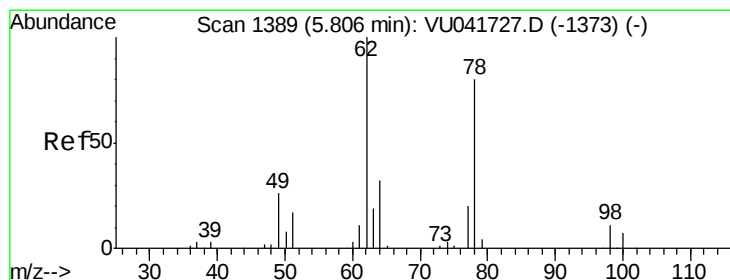
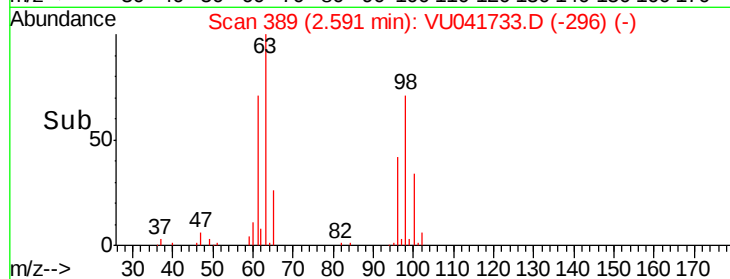
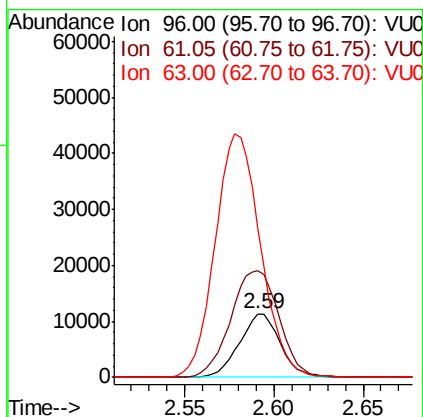
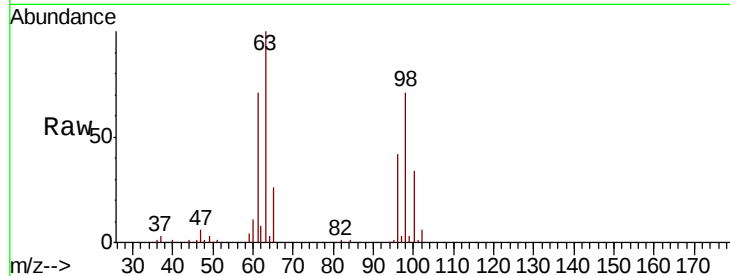




#12
 1,1-Dichloroethene
 Concen: 2.008 ug/L
 RT: 2.59 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VU041733.D
 Acq: 22 Dec 2020 11:52

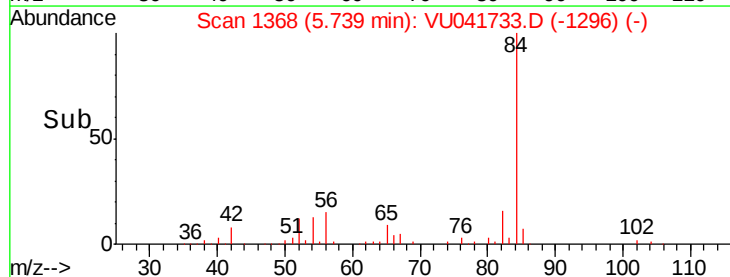
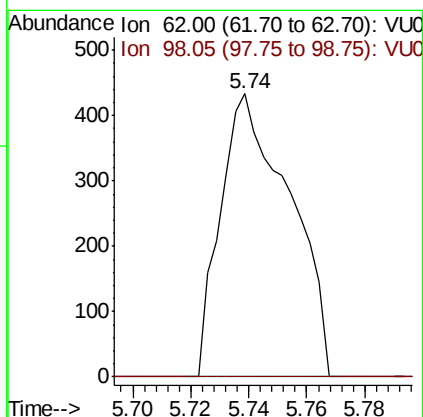
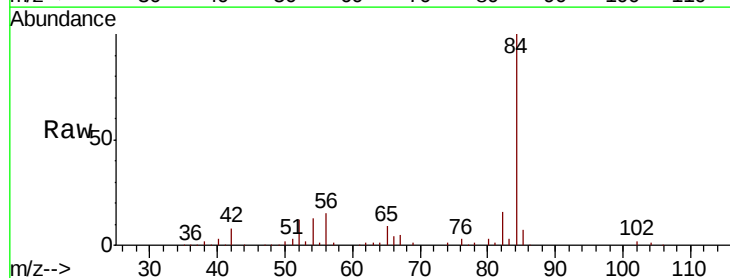
Instrument :
 MSVOA_U
 ClientSampleId :
 GB1T5

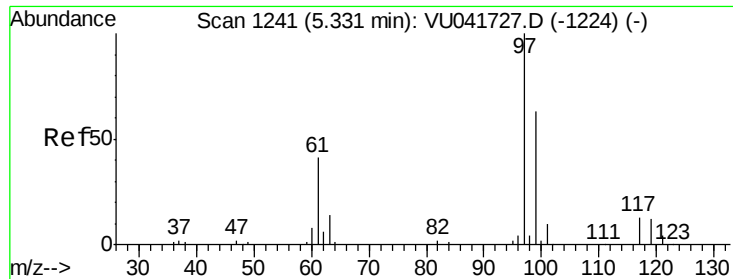
Tot Ion	Resp	Lower	Upper
96	18041		
61	168.3	123.8	230.0
63	236.5	81.0	150.4



#27
 1,2-Dichloroethane
 Concen: 0.061 ug/L
 RT: 5.74 min Scan# 1368
 Delta R.T. -0.07 min
 Lab File: VU041733.D
 Acq: 22 Dec 2020 11:52

Tgt Ion	Resp	Lower	Upper
62	718		
98	0.0	8.2	12.2

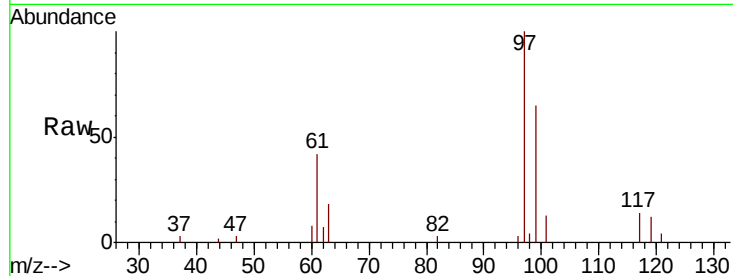




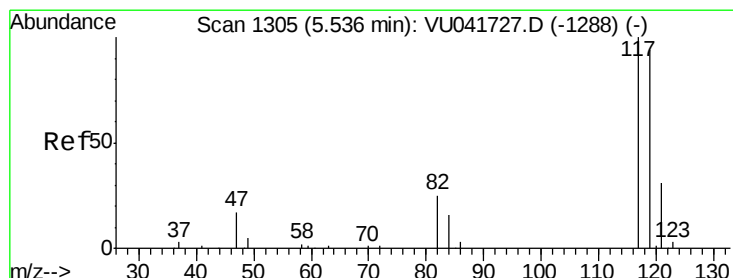
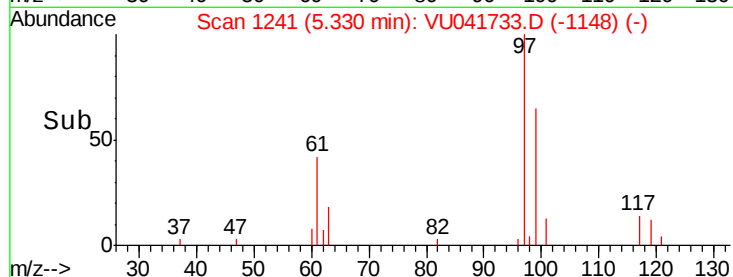
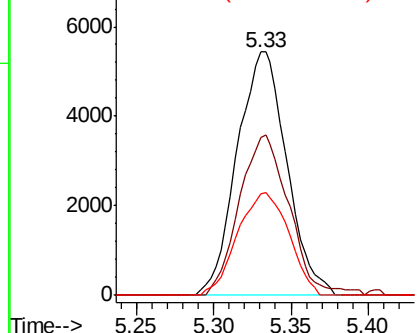
#29
 1,1,1-Trichloroethane
 Concen: 0.837 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU041733.D
 Acq: 22 Dec 2020 11:52

Instrument :
 MSVOA_U
 ClientSampleId :
 GB1T5

Tot Ion: 97 Resp: 12163
 Ion Ratio Lower Upper
 97 100
 99 66.0 51.3 76.9
 61 43.4 36.5 54.7

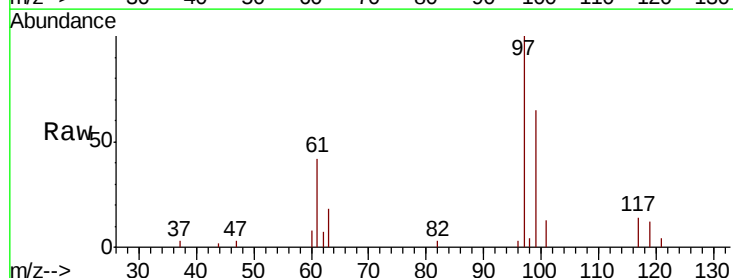


Abundance Ion 96.95 (96.65 to 97.65): VU041727.D (-1224) (-)
 Ion 99.05 (98.75 to 99.75): VU041727.D (-1224) (-)
 Ion 61.05 (60.75 to 61.75): VU041727.D (-1224) (-)

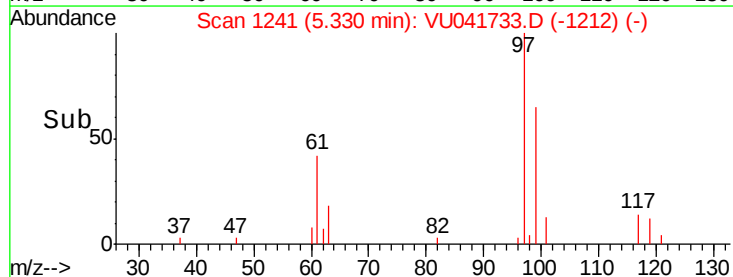
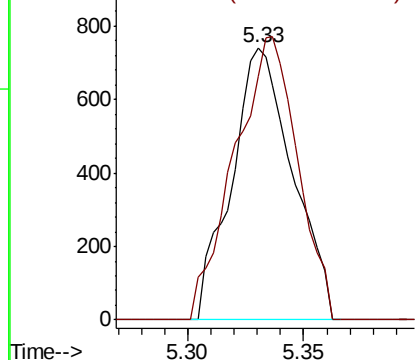


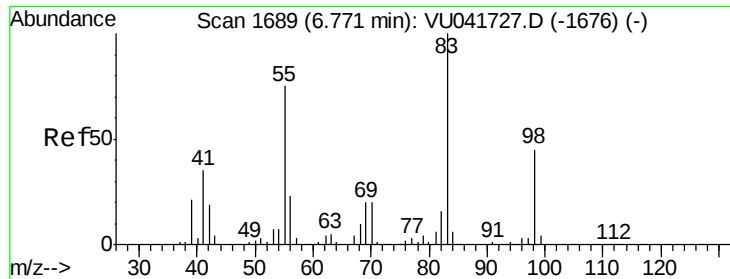
#31
 Carbon tetrachloride
 Concen: 0.108 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.21 min
 Lab File: VU041733.D
 Acq: 22 Dec 2020 11:52

Tgt Ion: 117 Resp: 1357
 Ion Ratio Lower Upper
 117 100
 119 107.7 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): VU041727.D (-1288) (-)
 Ion 118.90 (118.60 to 119.60): VU041727.D (-1288) (-)

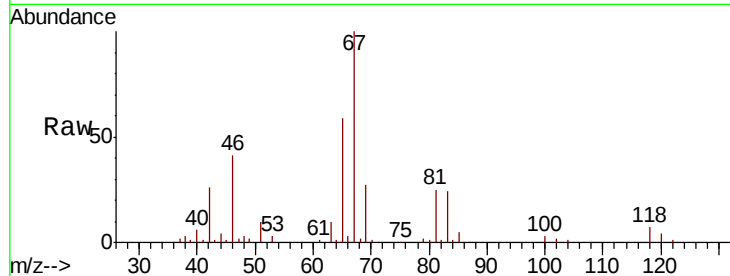




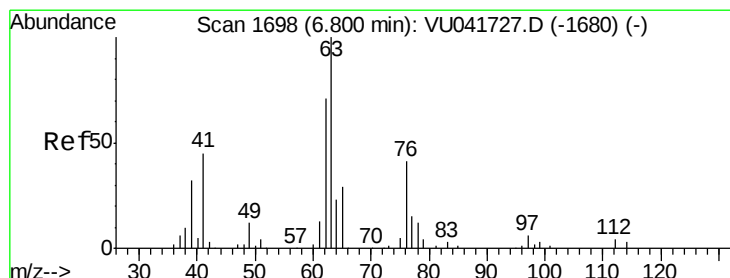
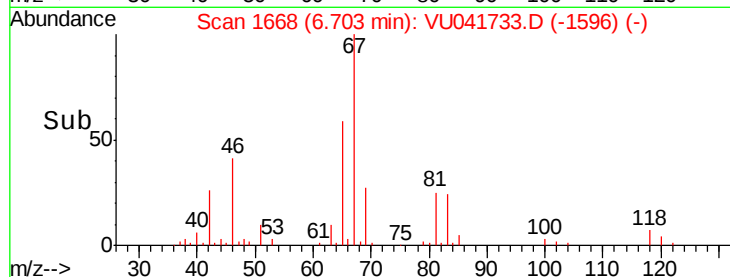
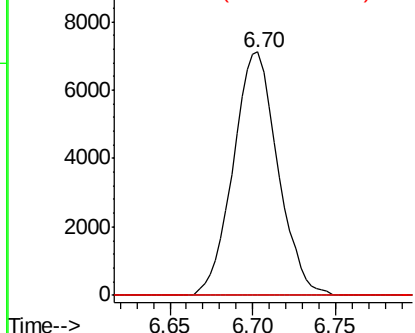
#35
Methvlcvclohexane
Concen: 0.809 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041733.D
Acq: 22 Dec 2020 11:52

Instrument :
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Tot Ion: 83 Resp: 13289
Ion Ratio Lower Upper
83 100
55 0.0 61.2 91.8#
98 1.9 36.6 54.8#

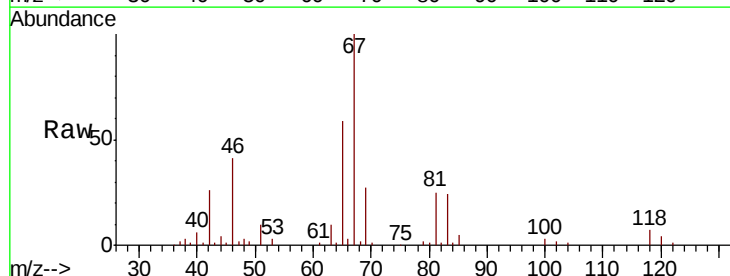


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

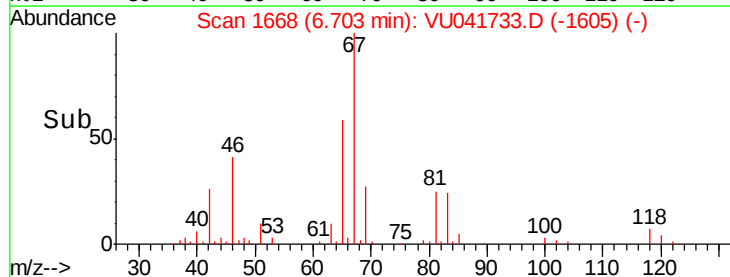
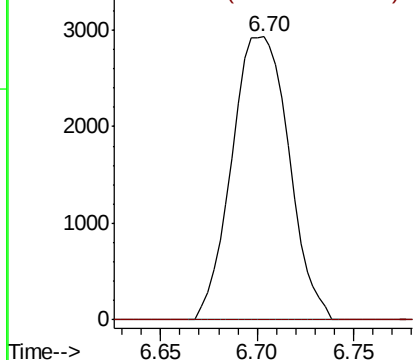


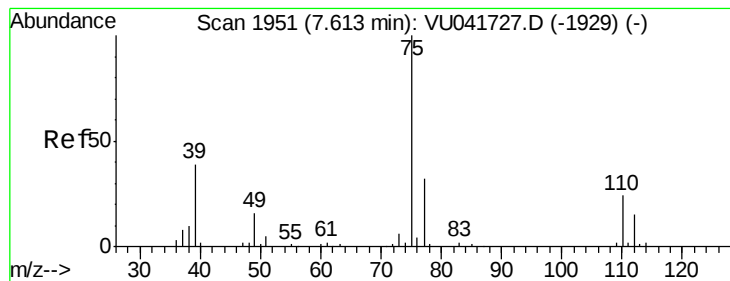
#37
1,2-Dichloropropane
Concen: 0.582 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041733.D
Acq: 22 Dec 2020 11:52

Tgt Ion: 63 Resp: 6018
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



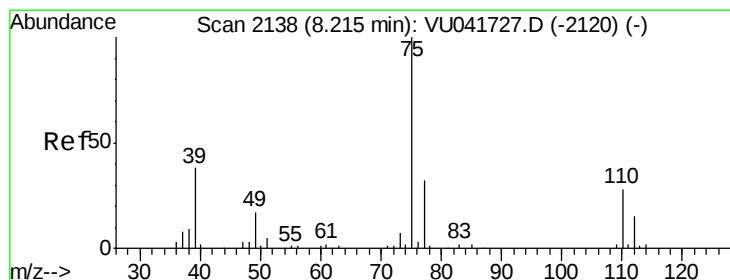
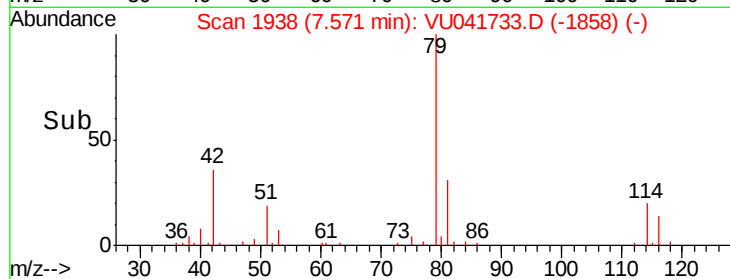
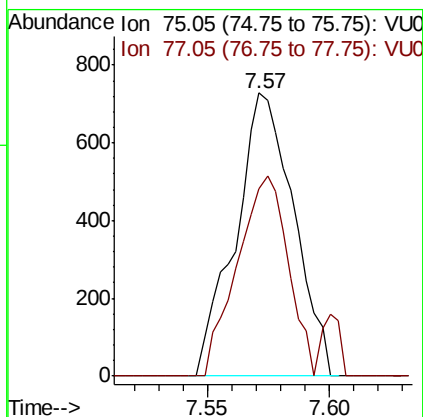
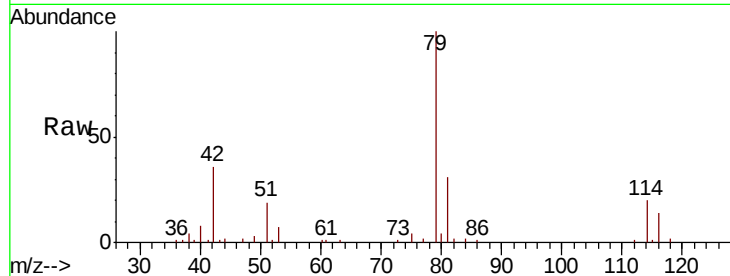


#39

cis-1,3-Dichloropropene
Concen: 0.079 ug/L
RT: 7.57 min Scan# 1938
Delta R.T. -0.04 min
Lab File: VU041733.D
Acq: 22 Dec 2020 11:52

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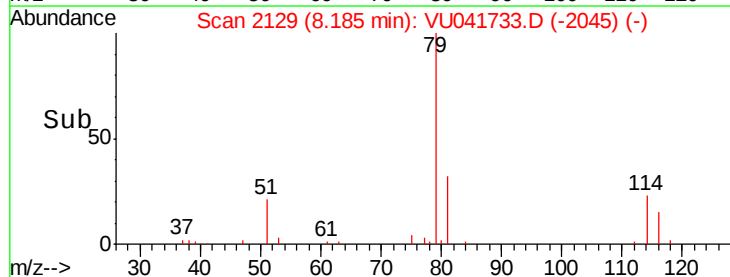
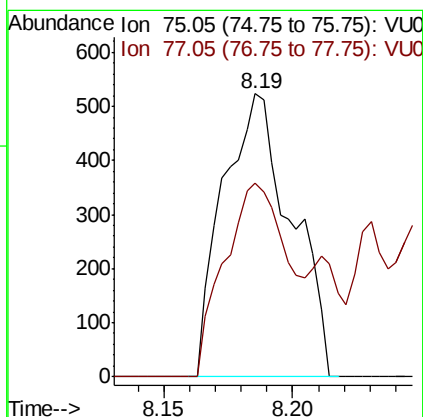
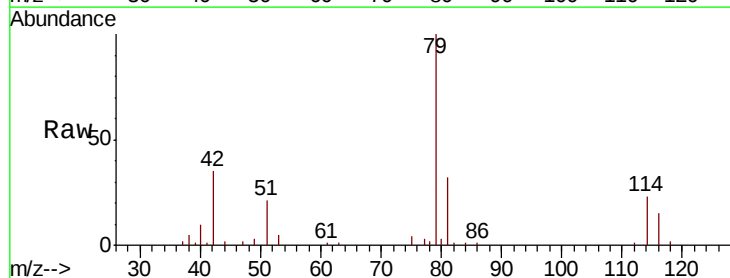
Tot Ion: 75 Resp: 1205
Ion Ratio Lower Upper
75 100
77 66.3 22.3 41.3#

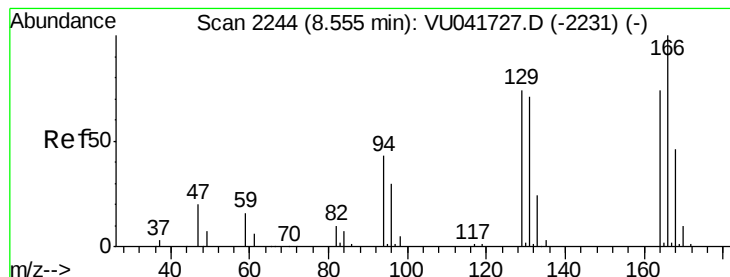


#44

trans-1,3-Dichloropropene
Concen: 0.070 ug/L
RT: 8.19 min Scan# 2129
Delta R.T. -0.03 min
Lab File: VU041733.D
Acq: 22 Dec 2020 11:52

Tgt Ion: 75 Resp: 963
Ion Ratio Lower Upper
75 100
77 68.6 23.8 44.2#





#47

Tetrachloroethene

Concen: 1.599 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041733.D

Acq: 22 Dec 2020 11:52

Instrument :

MSVOA_U

ClientSampleId :

GB1T5

Tot Ion:164 Resp: 11380

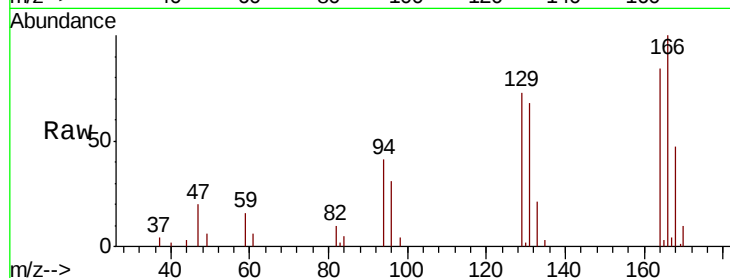
Ion Ratio Lower Upper

164 100

129 86.2 72.2 134.0

131 80.5 66.9 124.3

166 118.8 89.6 166.4

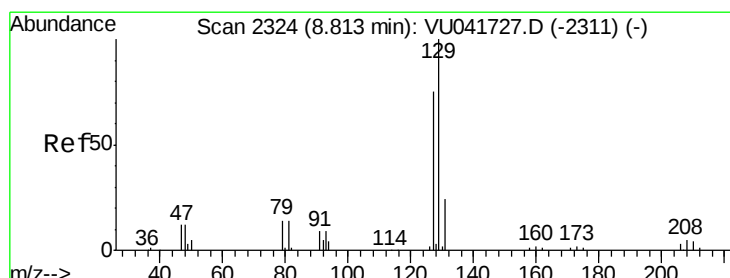
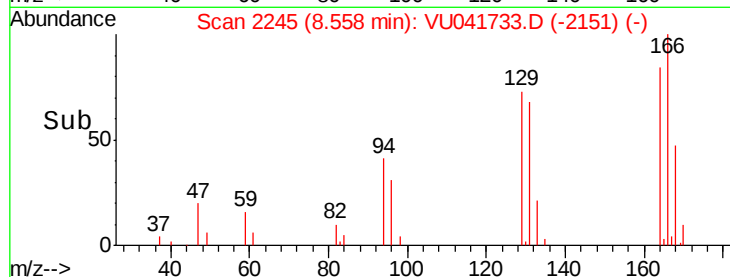
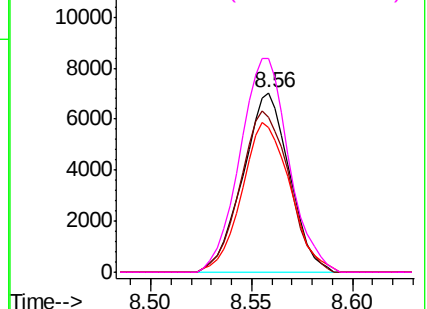


Abundance Ion 163.90 (163.60 to 164.60): V

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



#49

Dibromochloromethane

Concen: 1.219 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU041733.D

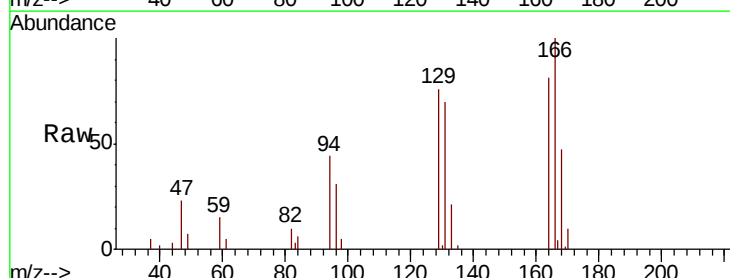
Acq: 22 Dec 2020 11:52

Tgt Ion:129 Resp: 10713

Ion Ratio Lower Upper

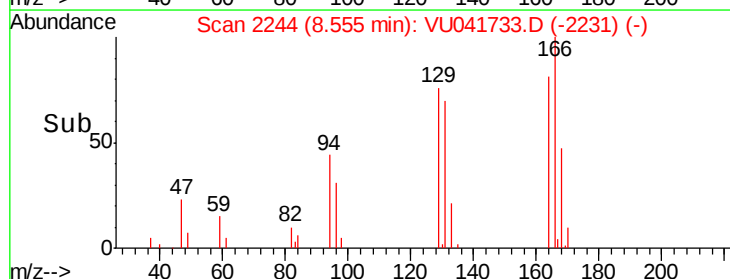
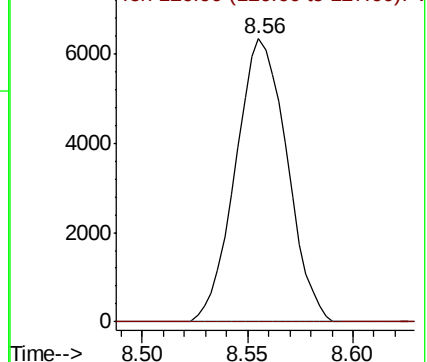
129 100

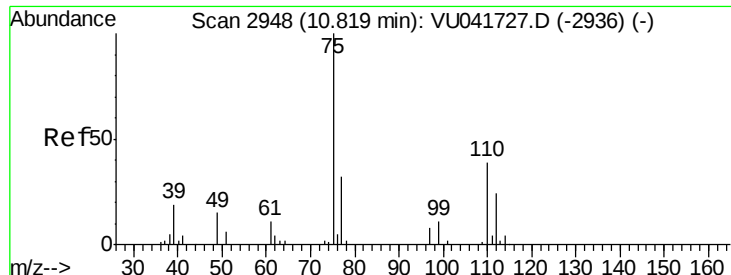
127 0.0 54.7 101.7#



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: 0.828 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041733.D

Acq: 22 Dec 2020 11:52

Instrument :

MSVOA_U

ClientSampleId :

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Tot Ion: 75 Resp: 6437

Ion Ratio Lower Upper

75 100

77 31.6 26.2 39.2

