

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121520\
 Data File : VU041646.D
 Acq On : 15 Dec 2020 19:06
 Operator : SY/MD
 Sample : L5027-21DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB1K0DL

Quant Time: Dec 16 04:37:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 16 04:34:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	110661	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	111378	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	46852	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	28117	3.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.00%
7) Chloroethane-d5	1.92	69	30222	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.20%
11) 1,1-Dichloroethene-d2	2.58	63	46957	2.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.00%#
20) 2-Butanone-d5	4.66	46	142770	57.45	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.90%
24) Chloroform-d	5.08	84	73217	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.72	65	44361	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.60%
32) Benzene-d6	5.74	84	138675	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.00%
36) 1,2-Dichloropropane-d6	6.70	67	45570	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.20%
41) Toluene-d8	7.90	98	117958	4.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.00%
43) trans-1,3-Dichloropropene-	8.19	79	19164	4.26	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.20%
46) 2-Hexanone-d5	8.64	63	113378	46.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.26%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	46770	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	46199	5.55	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.00%

Target Compounds

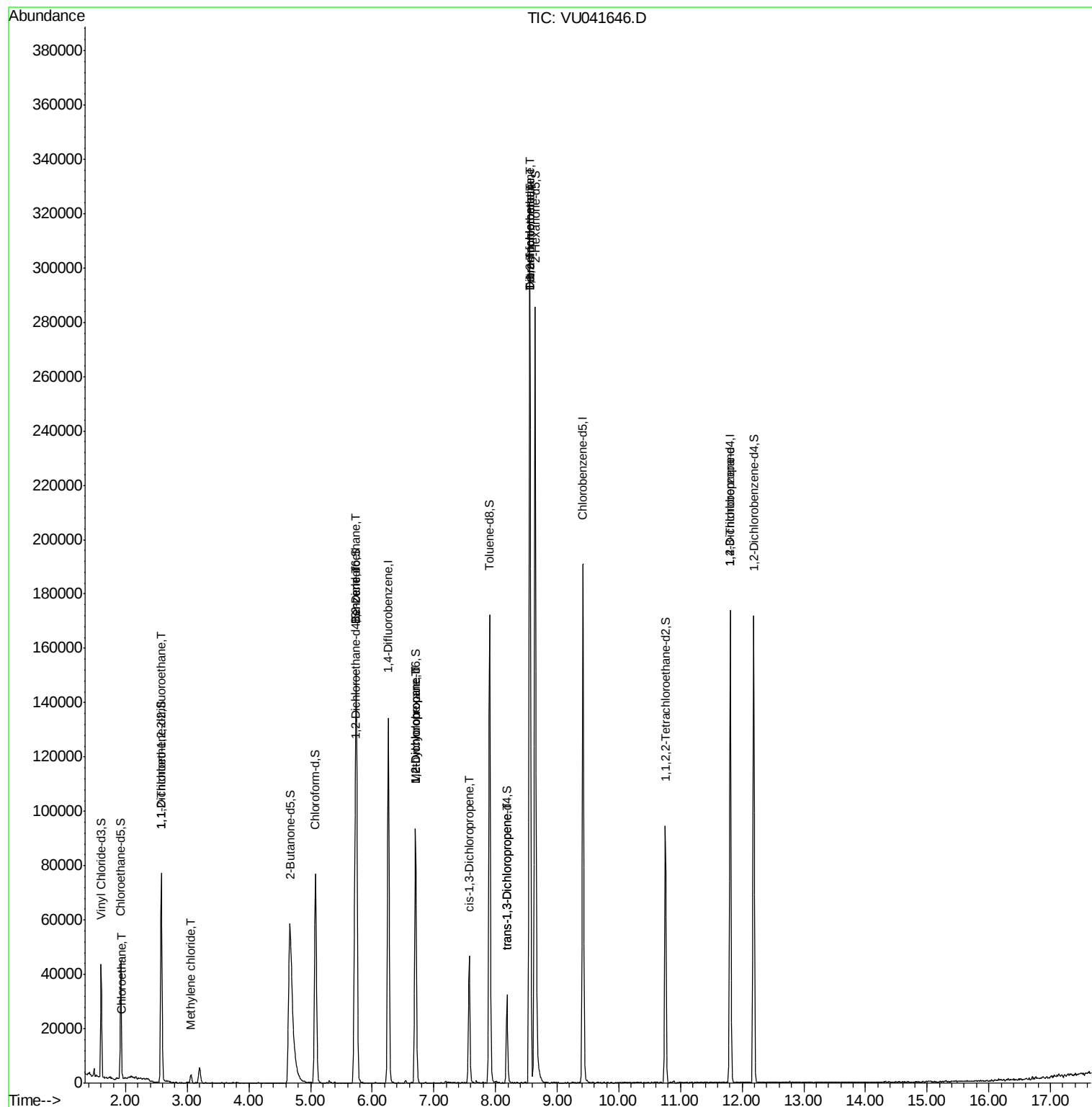
					Ovalue
8) Chloroethane	1.95	64	210	0.031 ug/L #	44
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	418	0.055 ug/L #	22
16) Methylene chloride	3.06	84	1482	0.165 ug/L	92
27) 1,2-Dichloroethane	5.74	62	543	0.055 ug/L #	73
33) Benzene	5.75	78	1208	0.034 ug/L	100
35) Methylcyclohexane	6.70	83	10650	0.736 ug/L #	19
37) 1,2-Dichloropropane	6.70	63	4568	0.501 ug/L #	88
39) cis-1,3-Dichloropropene	7.58	75	985	0.073 ug/L #	65
44) trans-1,3-Dichloropropene	8.19	75	749	0.062 ug/L #	61
45) 1,1,2-Trichloroethane	8.55	97	603	0.089 ug/L #	1
47) Tetrachloroethene	8.56	164	73646	11.753 ug/L	97
49) Dibromochloromethane	8.56	129	71384	9.223 ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	5437	0.795 ug/L	100

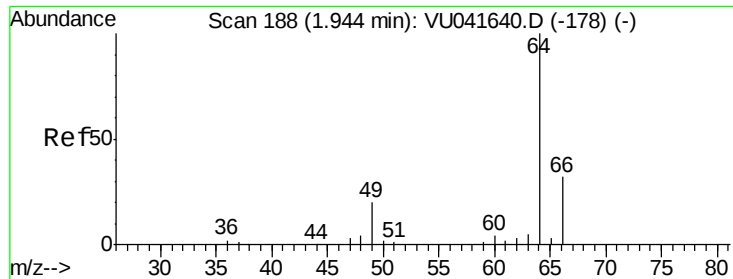
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

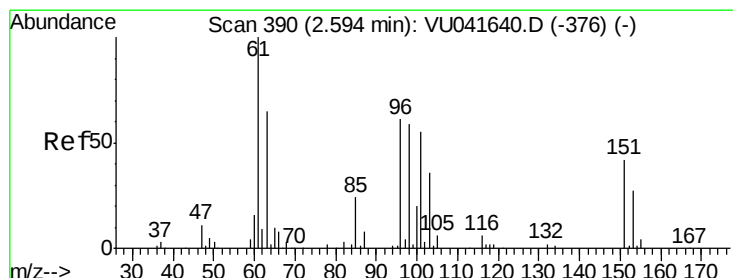
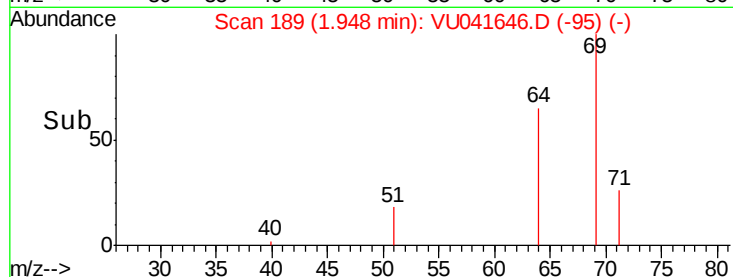
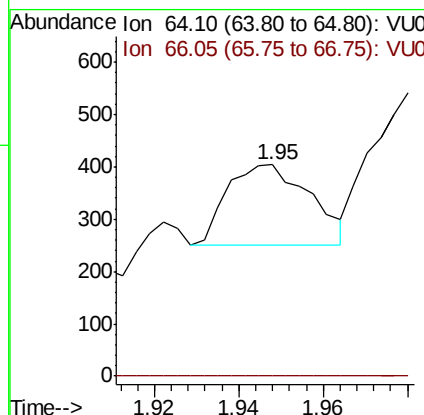
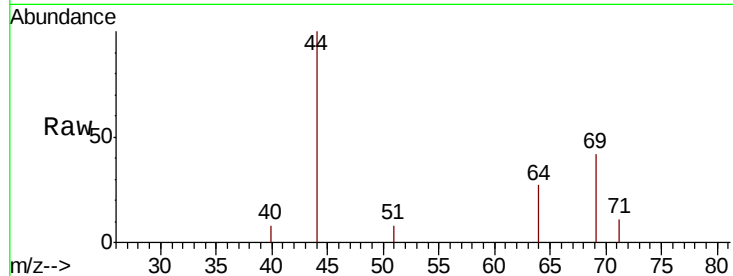




#8
Chloroethane
Concen: 0.031 ug/L
RT: 1.95 min Scan# 189
Delta R.T. 0.00 min
Lab File: VU041646.D
Acq: 15 Dec 2020 19:06

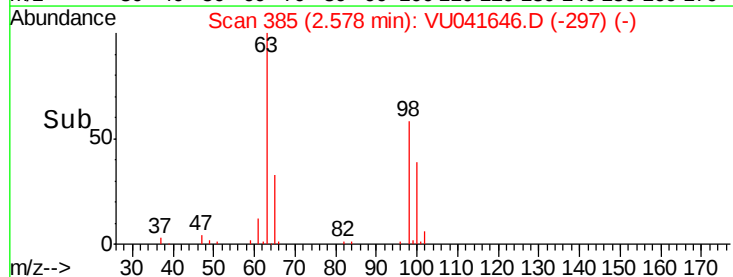
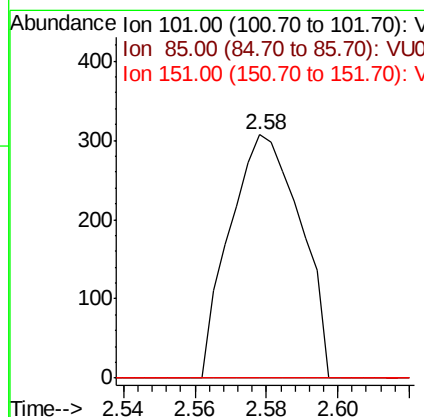
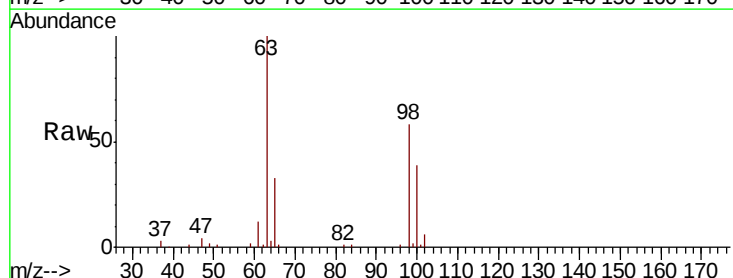
Instrument :
MSVOA_U
ClientSampleId :
GB1K0DL

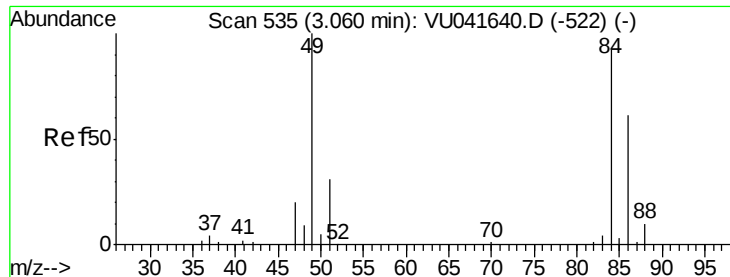
Tot Ion: 64 Resp: 210
Ion Ratio Lower Upper
64 100
66 0.0 21.6 40.0#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.055 ug/L
RT: 2.58 min Scan# 385
Delta R.T. -0.02 min
Lab File: VU041646.D
Acq: 15 Dec 2020 19:06

Tgt Ion: 101 Resp: 418
Ion Ratio Lower Upper
101 100
85 0.0 33.6 50.4#
151 0.0 56.2 84.4#

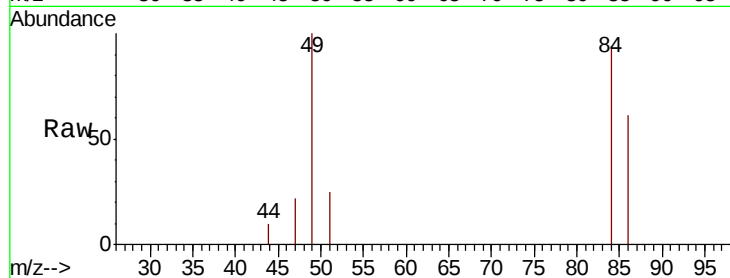




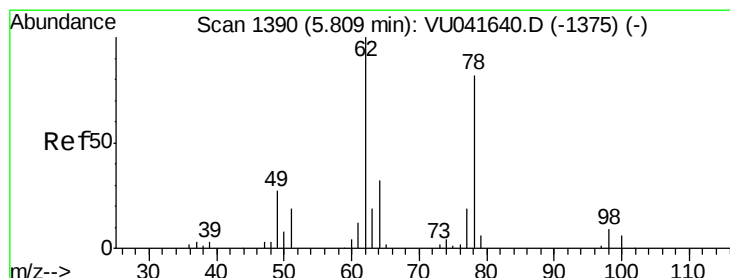
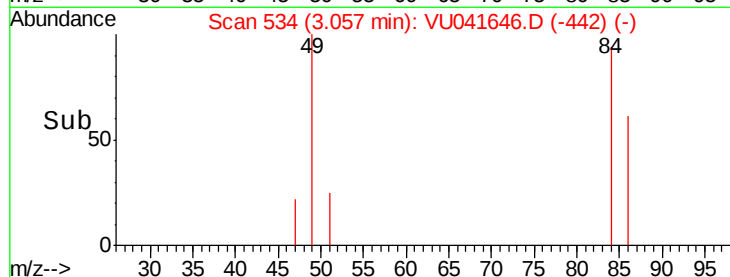
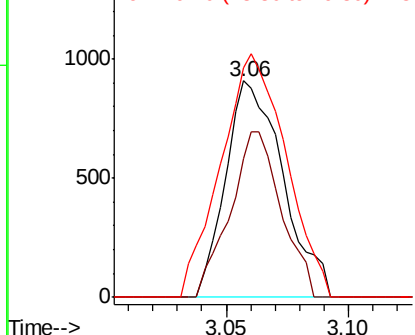
#16
Methvlene chloride
Concen: 0.165 ug/L
RT: 3.06 min Scan# 534
Delta R.T. -0.00 min
Lab File: VU041646.D
Acq: 15 Dec 2020 19:06

Instrument :
MSVOA_U
ClientSampled :
GB1K0DL

Tot Ion: 84 Resp: 1482
Ion Ratio Lower Upper
84 100
86 64.2 45.1 83.7
49 105.9 83.1 154.3

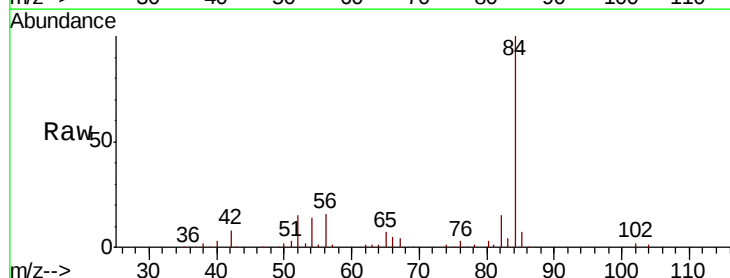


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

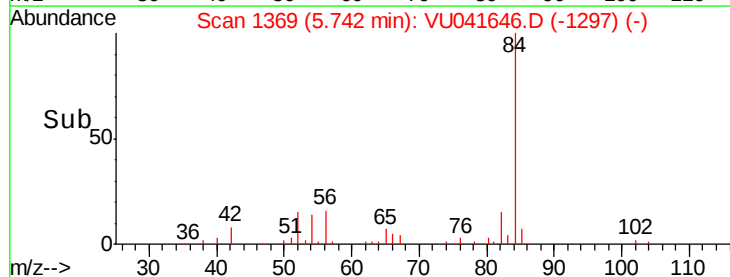
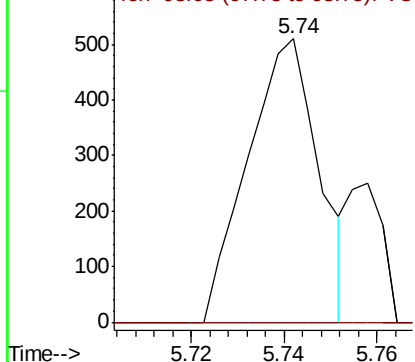


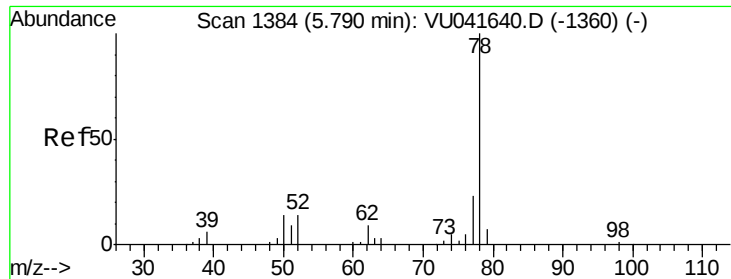
#27
1,2-Dichloroethane
Concen: 0.055 ug/L
RT: 5.74 min Scan# 1369
Delta R.T. -0.07 min
Lab File: VU041646.D
Acq: 15 Dec 2020 19:06

Tgt Ion: 62 Resp: 543
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.2#



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 98.05 (97.75 to 98.75): VU0





#33

Benzene

Concen: 0.034 ug/L

RT: 5.75 min Scan# 1371

Delta R.T. -0.04 min

Lab File: VU041646.D

Acq: 15 Dec 2020 19:06

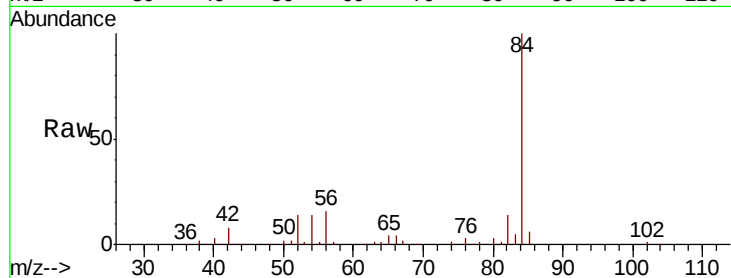
Instrument :

MSVOA_U

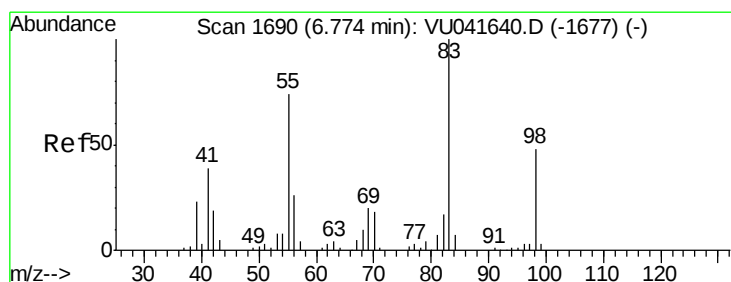
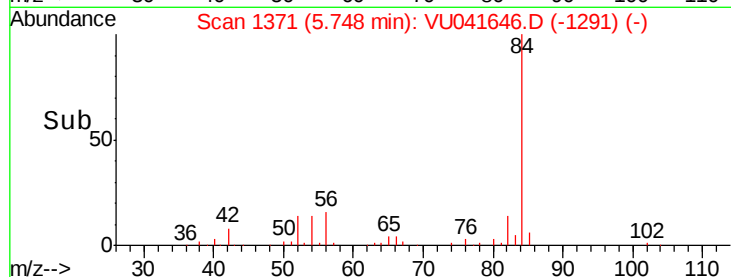
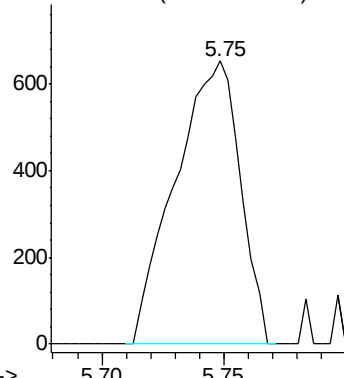
ClientSampled :

GB1K0DL

Tgt Ion: 78 Resp: 1208



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.736 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU041646.D

Acq: 15 Dec 2020 19:06

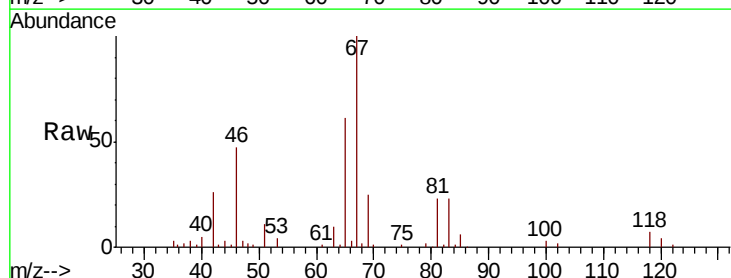
Tgt Ion: 83 Resp: 10650

Ion Ratio Lower Upper

83 100

55 0.0 61.2 91.8#

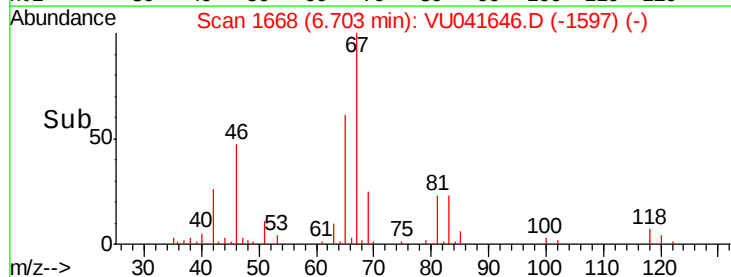
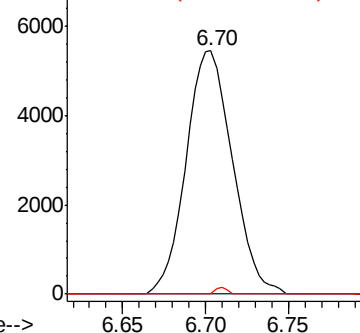
98 0.7 36.6 54.8#

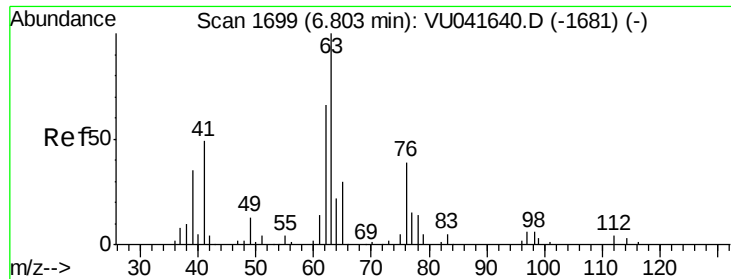


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

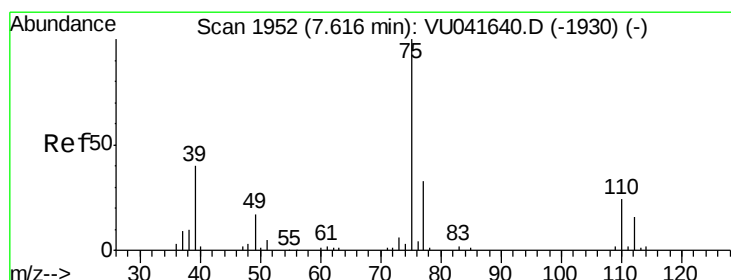
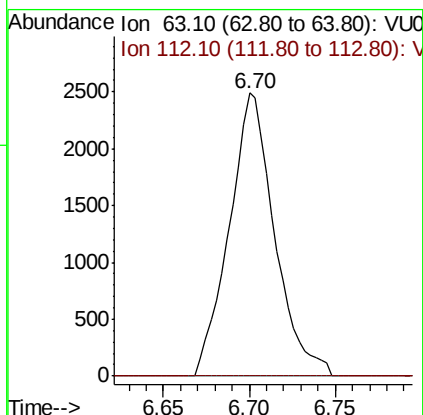
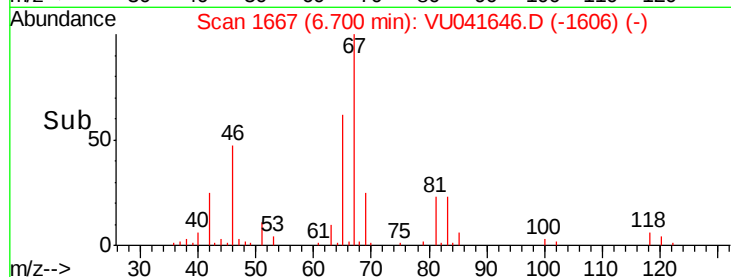
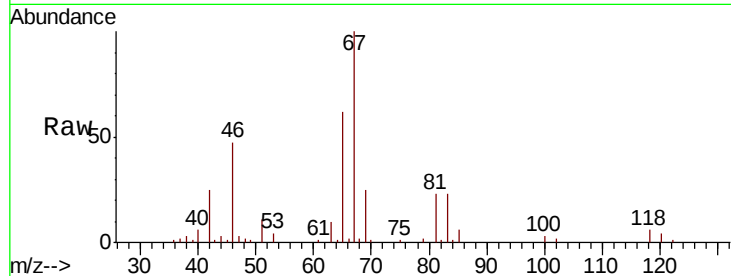




#37
 1,2-Dichloropropane
 Concen: 0.501 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU041646.D
 Acq: 15 Dec 2020 19:06

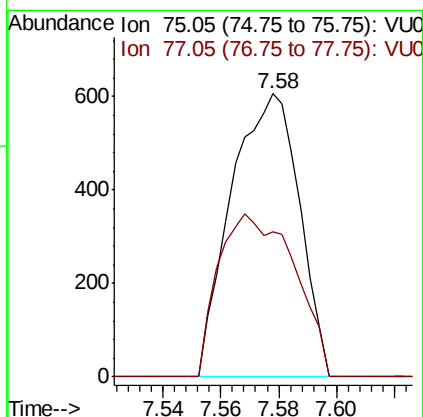
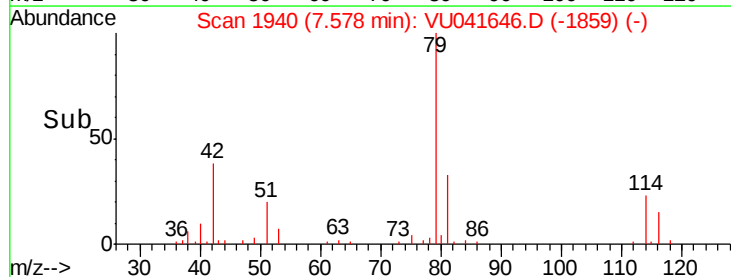
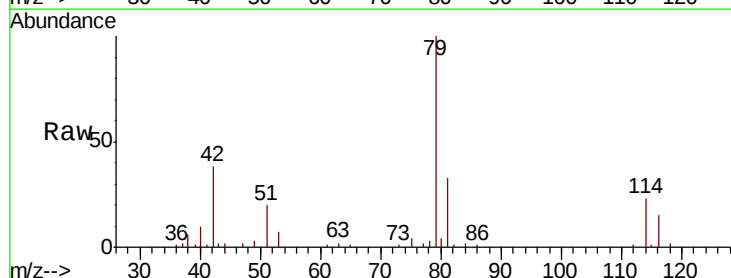
Instrument :
 MSVOA_U
 ClientSampleID :
 GB1K0DL

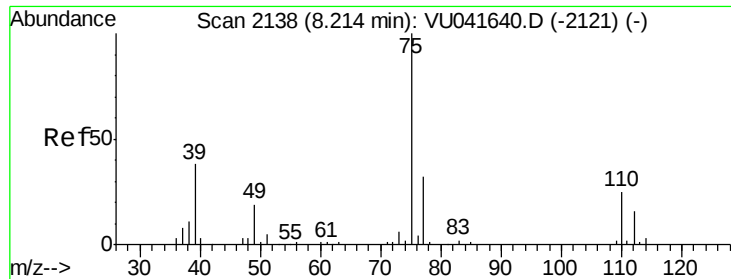
Tot Ion: 63 Resp: 4568
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.073 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU041646.D
 Acq: 15 Dec 2020 19:06

Tgt Ion: 75 Resp: 985
 Ion Ratio Lower Upper
 75 100
 77 51.5 22.3 41.3#





#44

trans-1,3-Dichloropropene

Concen: 0.062 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041646.D

Acq: 15 Dec 2020 19:06

Instrument :

MSVOA_U

ClientSampleId :

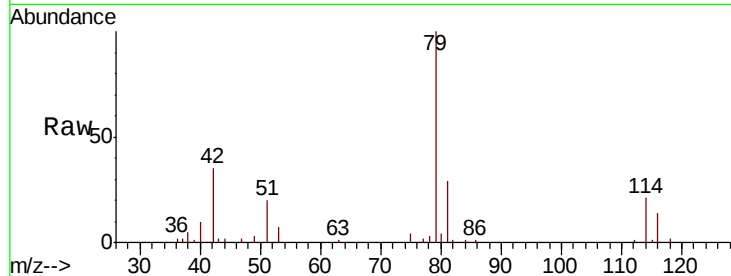
GB1K0DL

Tot Ion: 75 Resp: 749

Ion Ratio Lower Upper

75 100

77 56.4 23.8 44.2#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.19

500

400

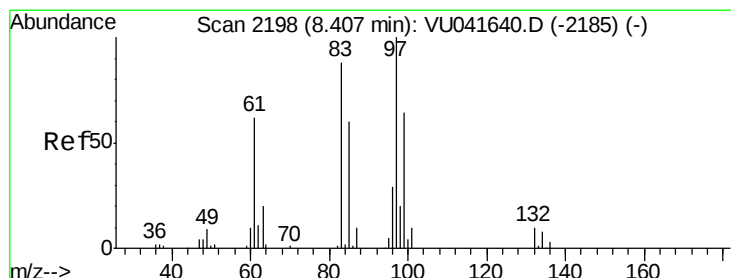
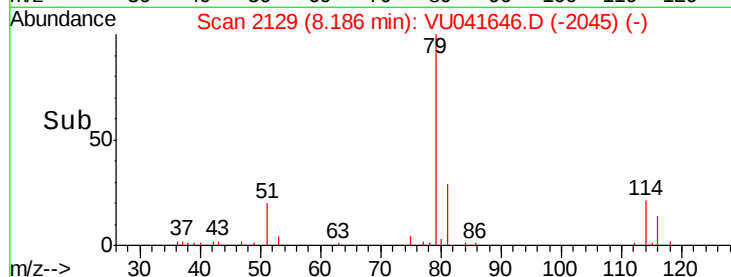
300

200

100

0

Time--> 8.14 8.16 8.18 8.20 8.22



#45

1,1,2-Trichloroethane

Concen: 0.089 ug/L

RT: 8.55 min Scan# 2243

Delta R.T. 0.14 min

Lab File: VU041646.D

Acq: 15 Dec 2020 19:06

Tgt Ion: 97 Resp: 603

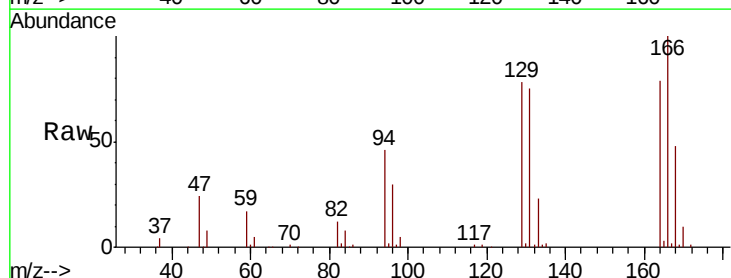
Ion Ratio Lower Upper

97 100

99 0.0 42.1 78.3#

83 257.7 62.6 116.2#

85 46.5 39.1 72.7



Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

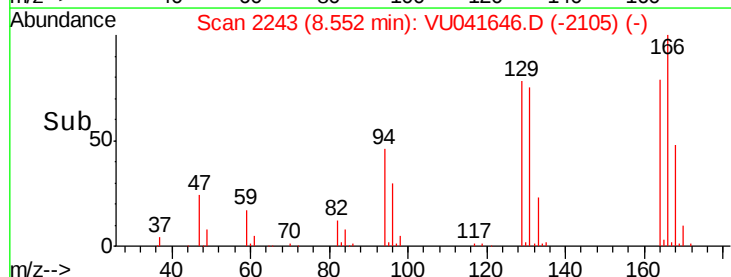
1500

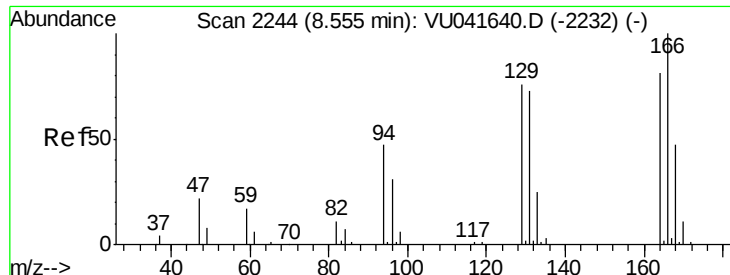
1000

500

0

Time--> 8.52 8.54 8.56 8.58





#47

Tetrachloroethene

Concen: 11.753 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU041646.D

Acq: 15 Dec 2020 19:06

Instrument :

MSVOA_U

ClientSampleId :

GB1K0DL

Tot Ion:164 Resp: 73646

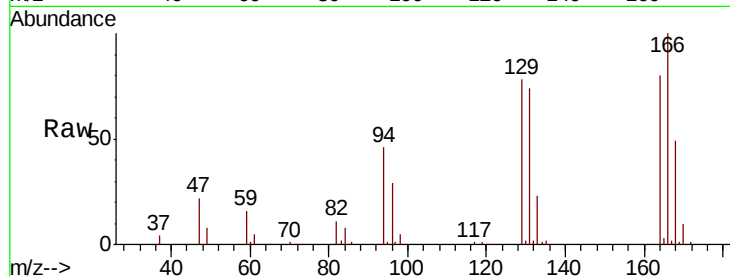
Ion Ratio Lower Upper

164 100

129 98.1 72.2 134.0

131 93.1 66.9 124.3

166 125.5 89.6 166.4

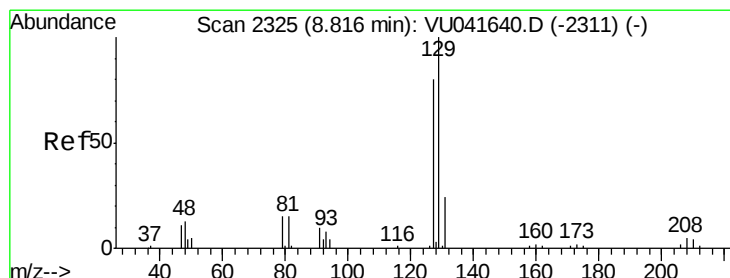
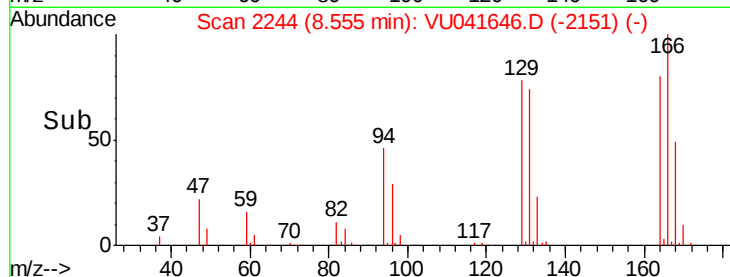
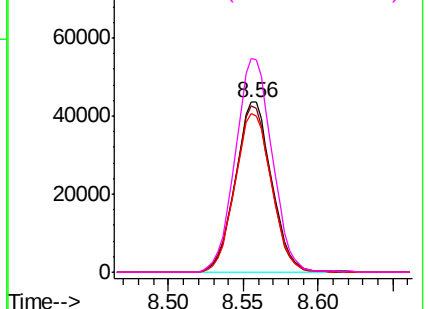


Abundance Ion 163.90 (163.60 to 164.60): V

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: 9.223 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU041646.D

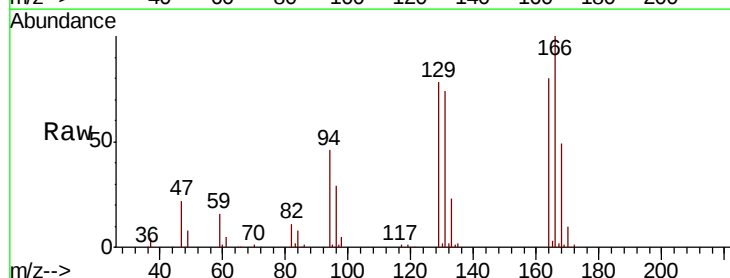
Acq: 15 Dec 2020 19:06

Tgt Ion:129 Resp: 71384

Ion Ratio Lower Upper

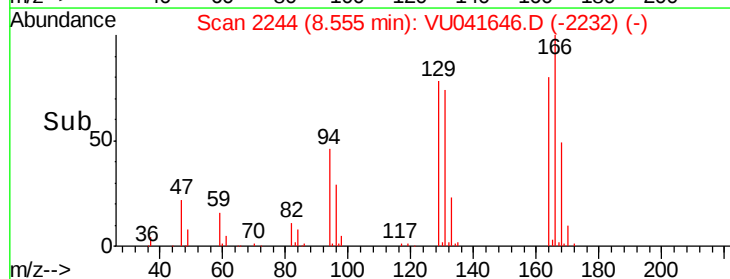
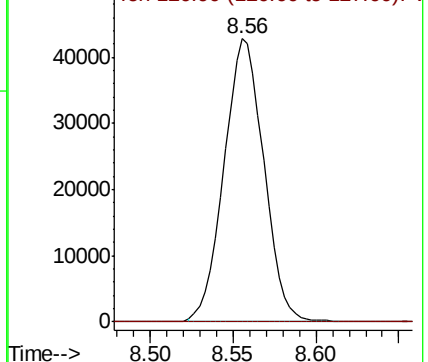
129 100

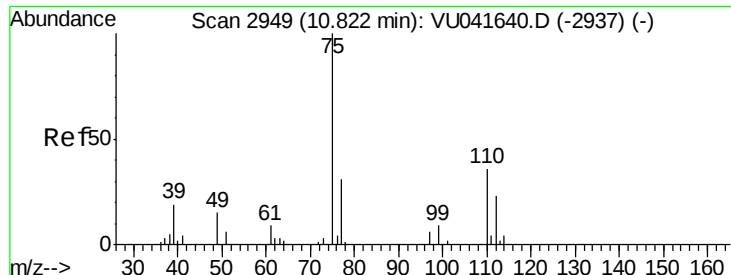
127 0.0 54.7 101.7#



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: 0.795 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041646.D

Acq: 15 Dec 2020 19:06

Instrument :

MSVOA_U

ClientSampleId :

GB1K0DL

Tot Ion: 75 Resp: 5437

Ion Ratio Lower Upper

75 100

77 32.8 26.2 39.2

