

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121520\
 Data File : VU041650.D
 Acq On : 15 Dec 2020 20:41
 Operator : SY/MD
 Sample : L5029-03DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB1K3DL

Quant Time: Dec 16 04:37:45 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	118575	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	115474	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	50511	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	28555	3.08	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	61.60%
7) Chloroethane-d5	1.92	69	29323	4.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.80%
11) 1,1-Dichloroethene-d2	2.58	63	47641	2.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.80%#
20) 2-Butanone-d5	4.66	46	142523	53.52	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.04%
24) Chloroform-d	5.08	84	73876	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
26) 1,2-Dichloroethane-d4	5.72	65	44798	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
32) Benzene-d6	5.74	84	140752	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.20%
36) 1,2-Dichloropropane-d6	6.70	67	46025	4.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.80%
41) Toluene-d8	7.90	98	124215	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.20%
43) trans-1,3-Dichloropropene-	8.19	79	19396	4.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.20%
46) 2-Hexanone-d5	8.64	63	112786	44.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.52%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48013	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	47000	5.23	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.60%

Target Compounds

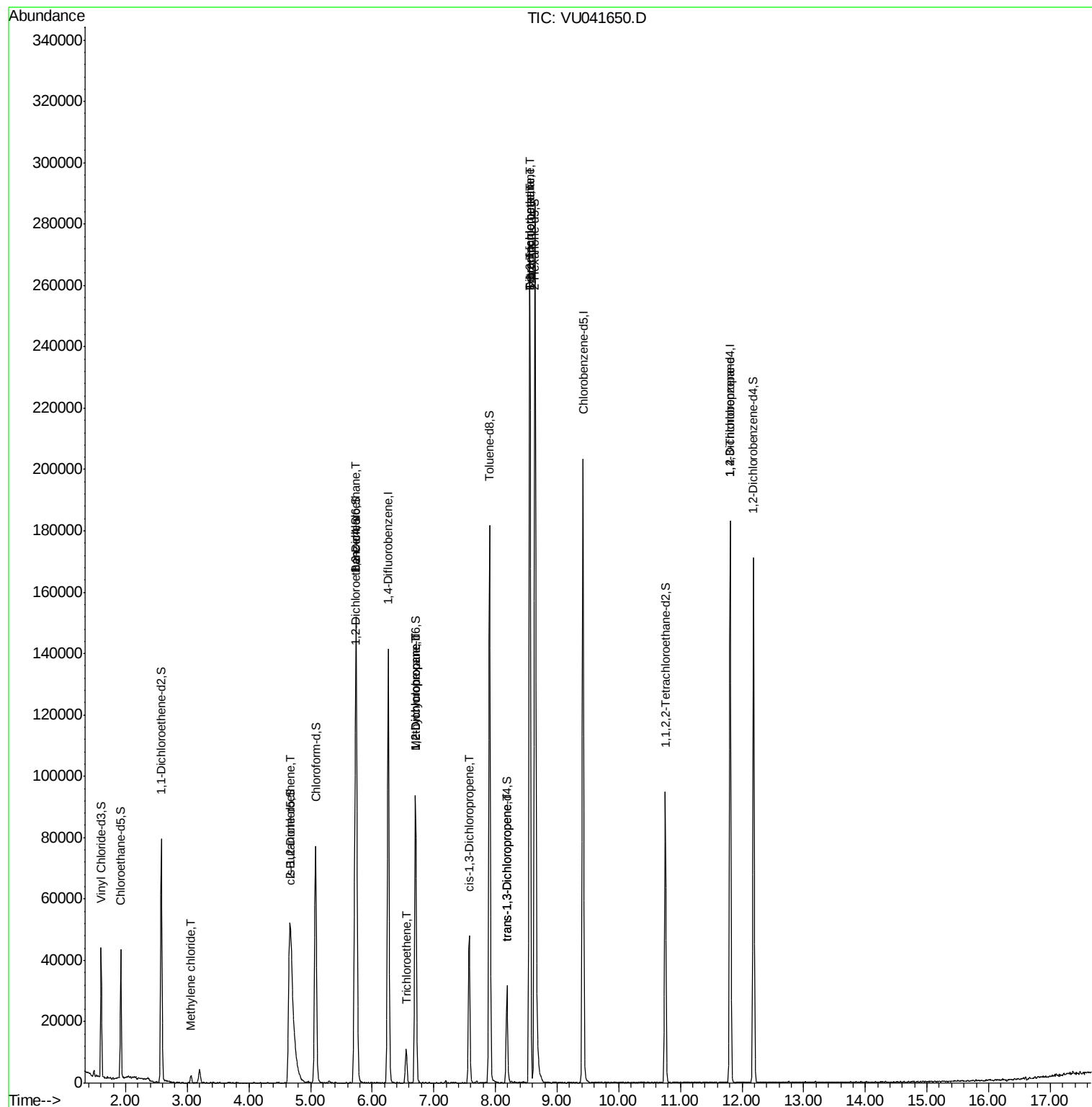
					Ovalue
16) Methylene chloride	3.06	84	1290	0.134 ug/L	78
22) cis-1,2-Dichloroethene	4.69	96	935	0.102 ug/L	82
27) 1,2-Dichloroethane	5.74	62	675	0.064 ug/L #	73
34) Trichloroethene	6.55	95	3838	0.414 ug/L	95
35) Methylcyclohexane	6.70	83	10630	0.709 ug/L #	19
37) 1,2-Dichloropropane	6.70	63	4967	0.526 ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1192	0.085 ug/L #	65
44) trans-1,3-Dichloropropene	8.19	75	854	0.068 ug/L	82
45) 1,1,2-Trichloroethane	8.56	97	518	0.074 ug/L #	1
47) Tetrachloroethene	8.56	164	63913	9.838 ug/L	93
49) Dibromochloromethane	8.56	129	59189	7.376 ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	5816	0.820 ug/L	99

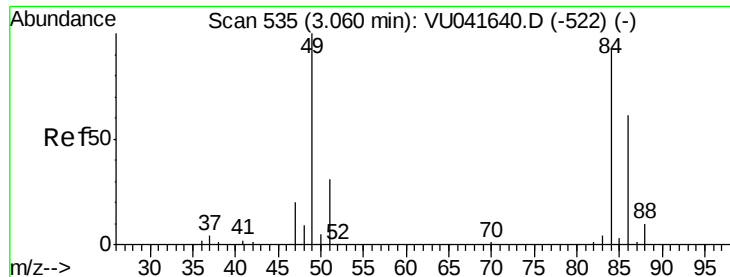
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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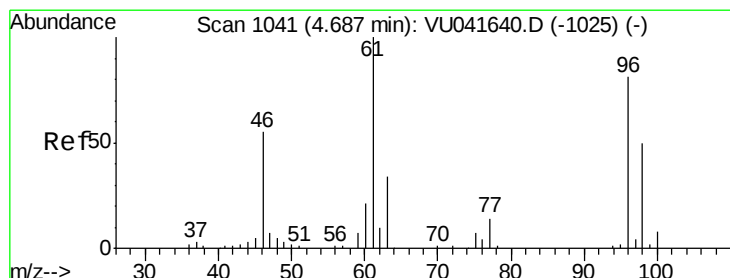
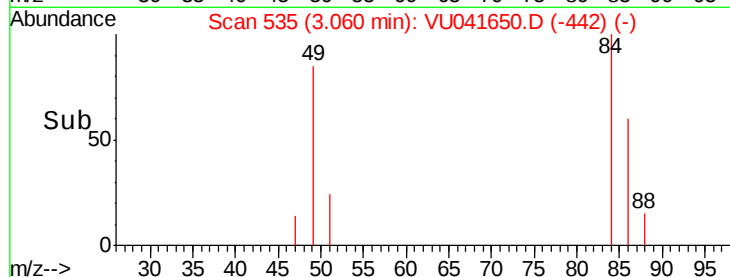
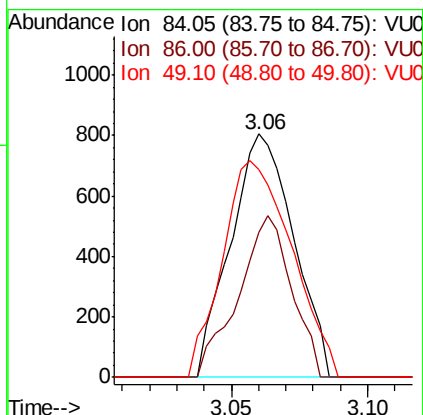
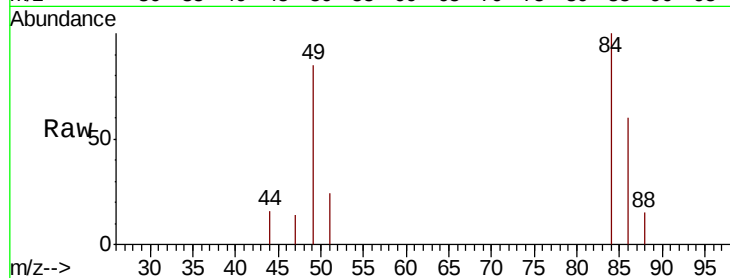




#16
Methvlene chloride
Concen: 0.134 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041650.D
Acq: 15 Dec 2020 20:41

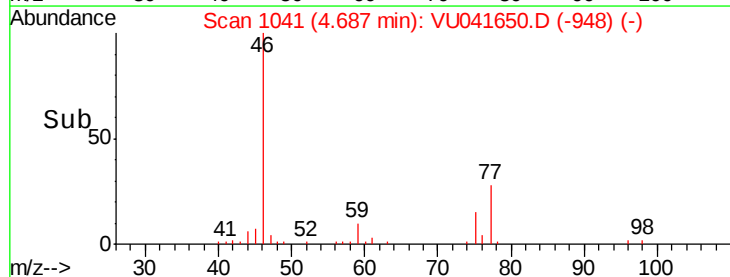
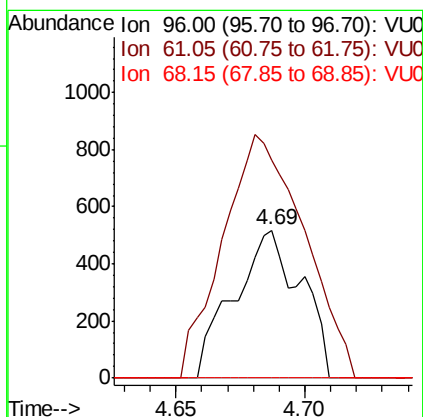
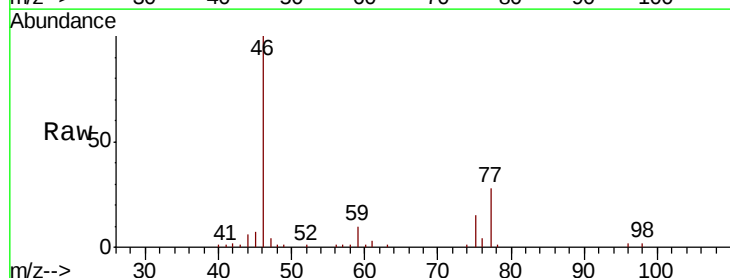
Instrument :
MSVOA_U
ClientSampleId :
GB1K3DL

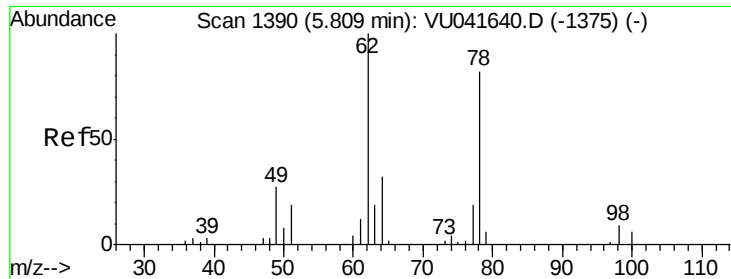
Tot Ion: 84 Resp: 1290
Ion Ratio Lower Upper
84 100
86 59.7 45.1 83.7
49 85.1 83.1 154.3



#22
cis-1,2-Dichloroethene
Concen: 0.102 ug/L
RT: 4.69 min Scan# 1041
Delta R.T. -0.00 min
Lab File: VU041650.D
Acq: 15 Dec 2020 20:41

Tgt Ion: 96 Resp: 935
Ion Ratio Lower Upper
96 100
61 147.7 88.8 165.0
68 0.0 0.0 0.0

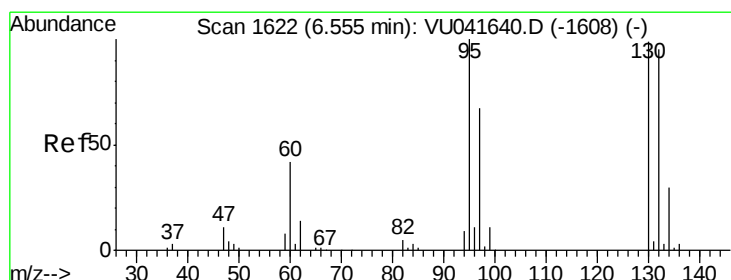
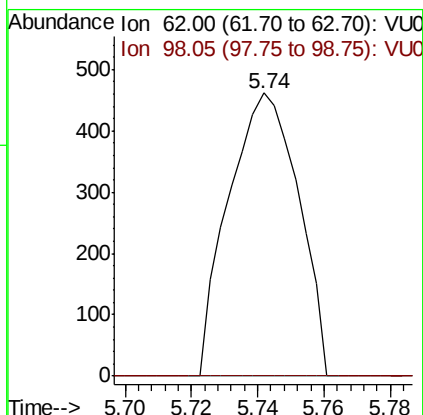
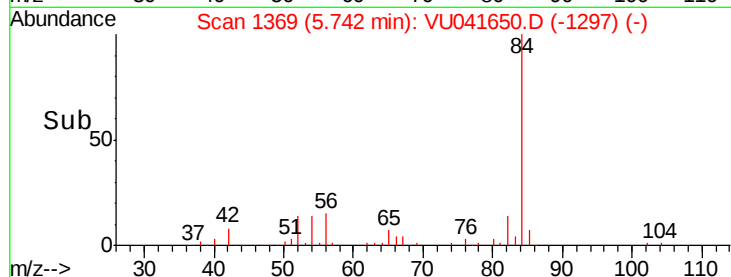
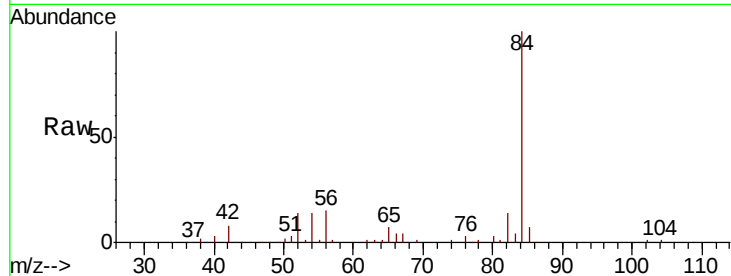




#27
 1,2-Dichloroethane
 Concen: 0.064 ug/L
 RT: 5.74 min Scan# 1369
 Delta R.T. -0.07 min
 Lab File: VU041650.D
 Acq: 15 Dec 2020 20:41

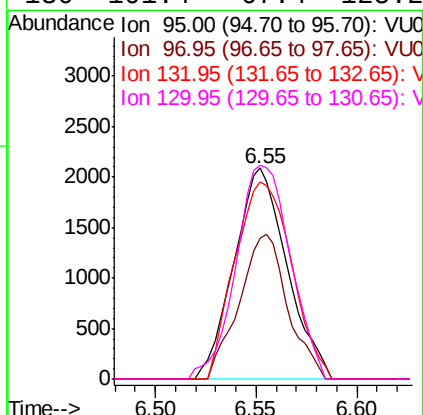
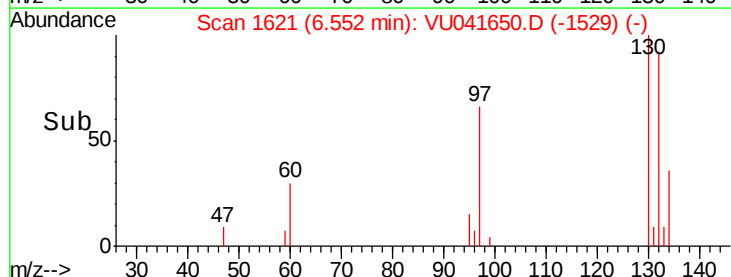
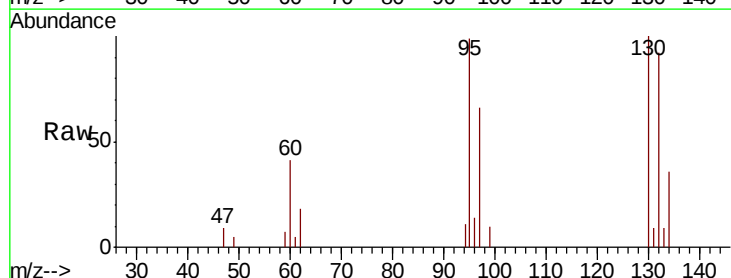
Instrument :
 MSVOA_U
 ClientSampleId :
 GB1K3DL

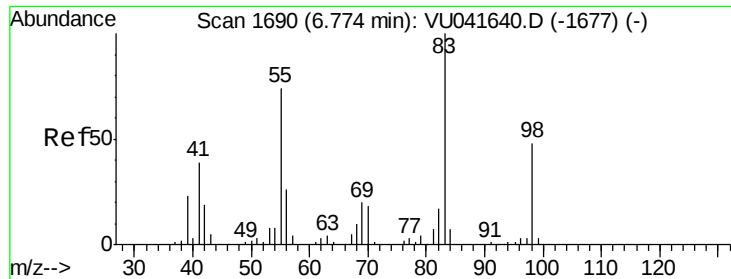
Tot Ion: 62 Resp: 675
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.2 12.2#



#34
 Trichloroethene
 Concen: 0.414 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU041650.D
 Acq: 15 Dec 2020 20:41

Tgt Ion: 95 Resp: 3838
 Ion Ratio Lower Upper
 95 100
 97 66.9 43.9 81.5
 132 93.3 63.1 117.3
 130 101.4 67.4 125.2





#35

Methylcyclohexane

Concen: 0.709 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU041650.D

Acq: 15 Dec 2020 20:41

Instrument :

MSVOA_U

ClientSampleId :

GB1K3DL

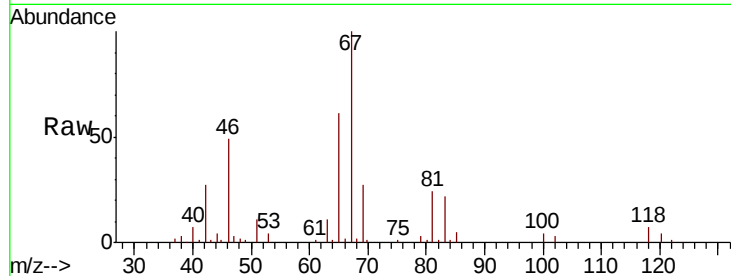
Tot Ion: 83 Resp: 10630

Ion Ratio Lower Upper

83 100

55 0.0 61.2 91.8#

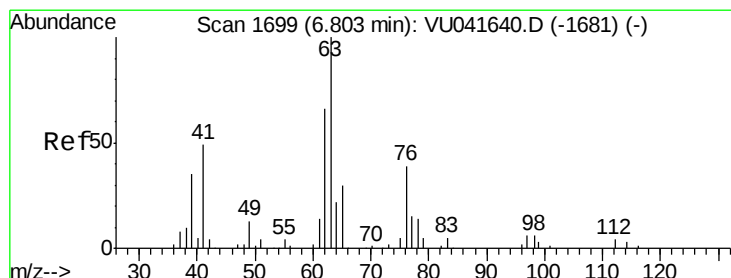
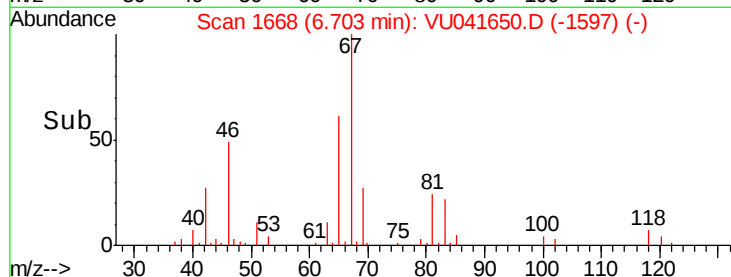
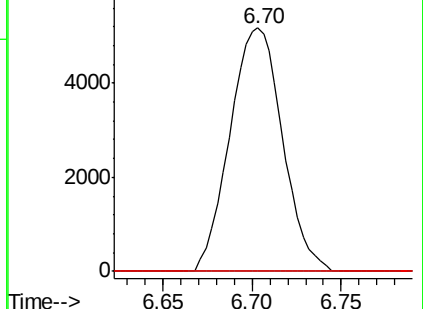
98 0.7 36.6 54.8#



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: 0.526 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU041650.D

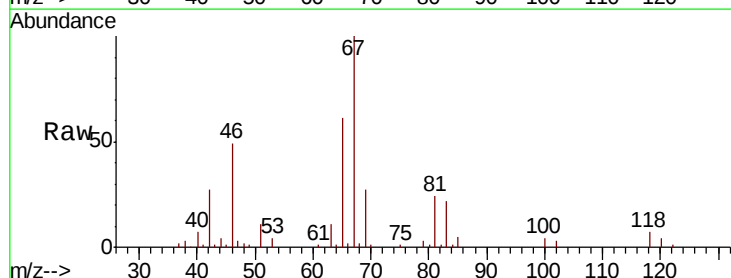
Acq: 15 Dec 2020 20:41

Tgt Ion: 63 Resp: 4967

Ion Ratio Lower Upper

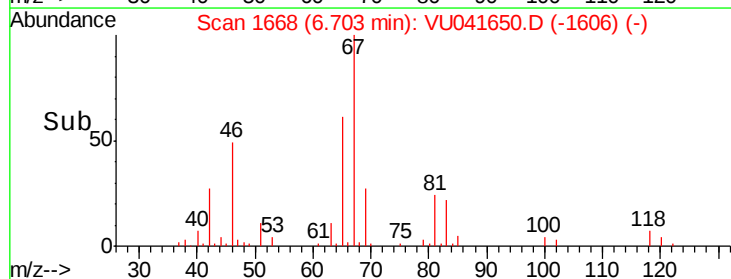
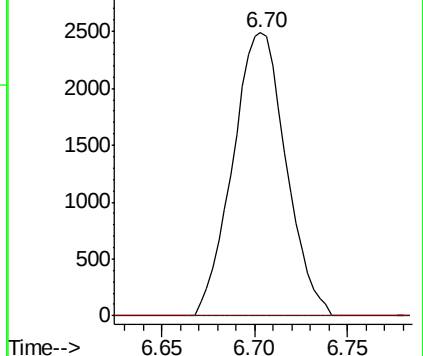
63 100

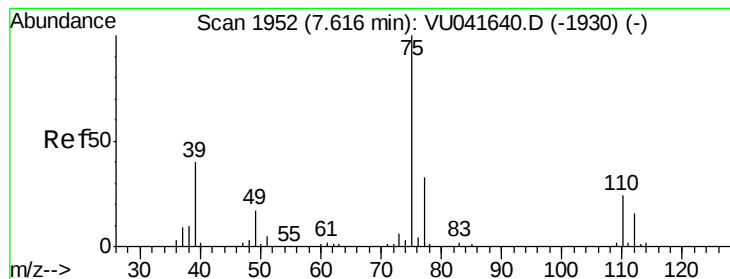
112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



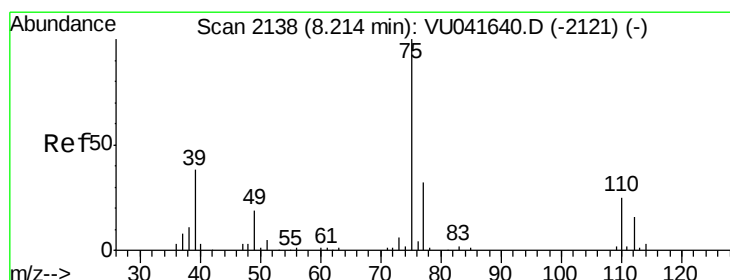
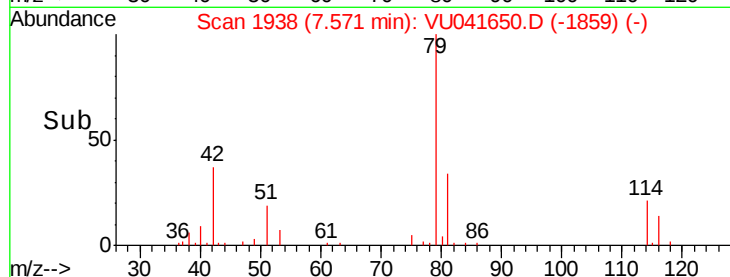
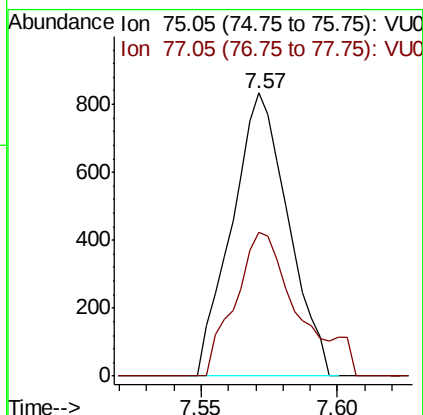
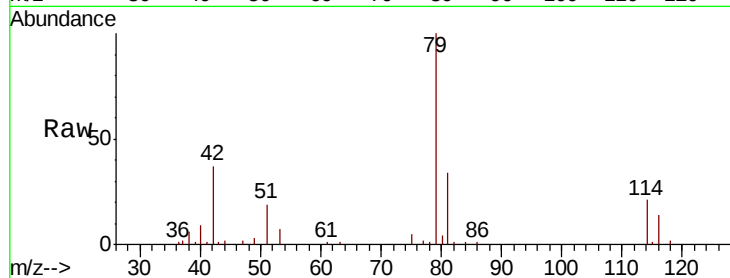


#39

cis-1,3-Dichloropropene
Concen: 0.085 ug/L
RT: 7.57 min Scan# 1938
Delta R.T. -0.05 min
Lab File: VU041650.D
Acq: 15 Dec 2020 20:41

Instrument :
MSVOA_U
ClientSampleId :
GB1K3DL

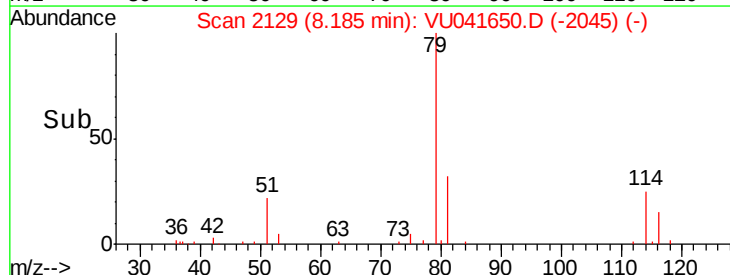
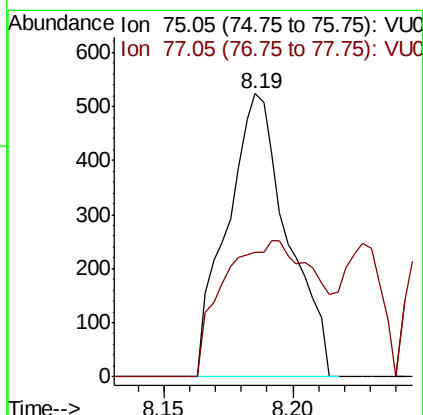
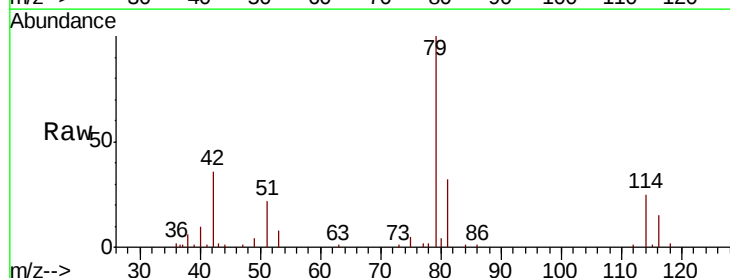
Tot Ion: 75 Resp: 1192
Ion Ratio Lower Upper
75 100
77 51.0 22.3 41.3#

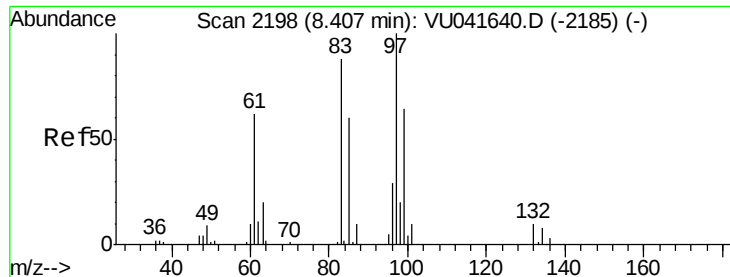


#44

trans-1,3-Dichloropropene
Concen: 0.068 ug/L
RT: 8.19 min Scan# 2129
Delta R.T. -0.03 min
Lab File: VU041650.D
Acq: 15 Dec 2020 20:41

Tgt Ion: 75 Resp: 854
Ion Ratio Lower Upper
75 100
77 44.2 23.8 44.2

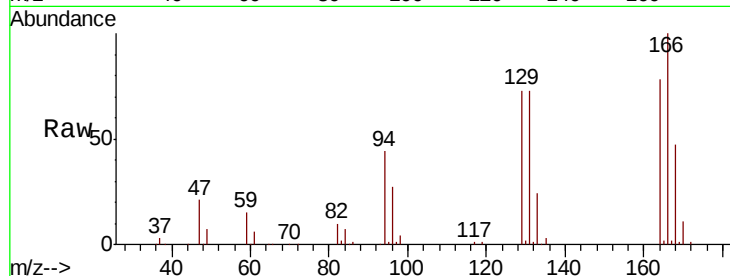




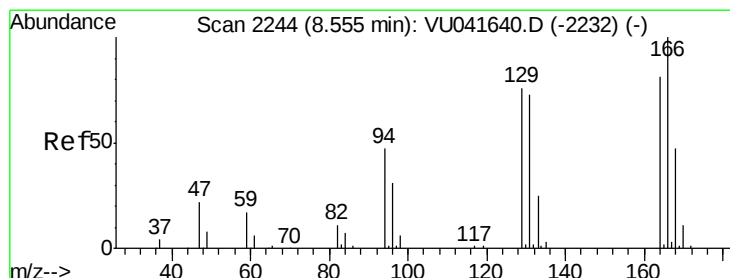
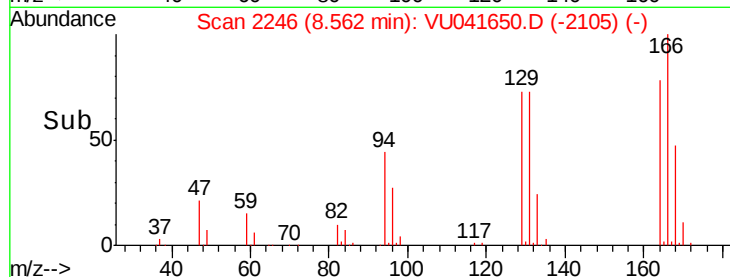
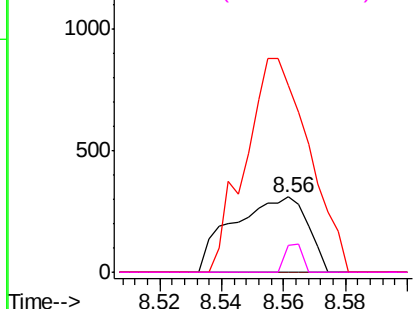
#45
1,1,2-Trichloroethane
Concen: 0.074 ug/L
RT: 8.56 min Scan# 2246
Delta R.T. 0.15 min
Lab File: VU041650.D
Acq: 15 Dec 2020 20:41

Instrument :
MSVOA_U
ClientSampleId :
GB1K3DL

Tot Ion: 97 Resp: 518
Ion Ratio Lower Upper
97 100
99 0.0 42.1 78.3#
83 247.3 62.6 116.2#
85 36.0 39.1 72.7#

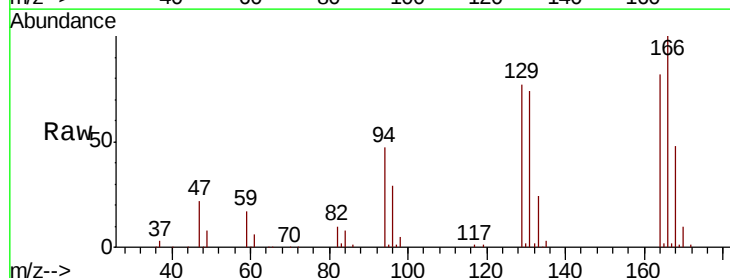


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

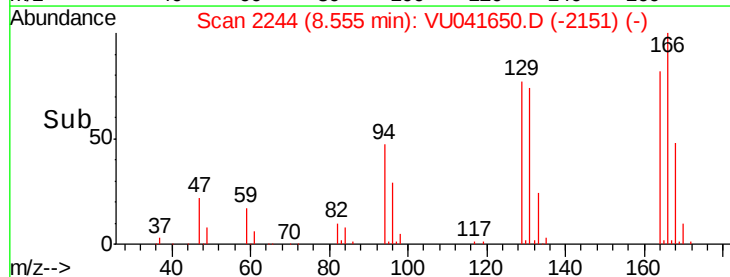
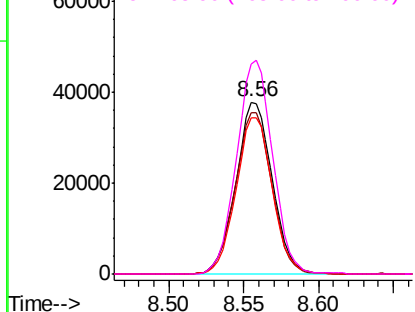


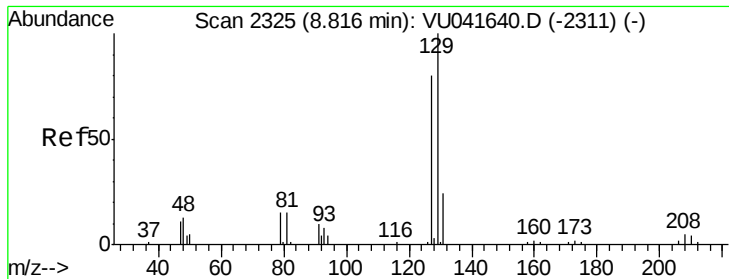
#47
Tetrachloroethene
Concen: 9.838 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU041650.D
Acq: 15 Dec 2020 20:41

Tgt Ion:164 Resp: 63913
Ion Ratio Lower Upper
164 100
129 93.8 72.2 134.0
131 90.5 66.9 124.3
166 121.8 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: 7.376 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU041650.D

Acq: 15 Dec 2020 20:41

Instrument :

MSVOA_U

ClientSampleId :

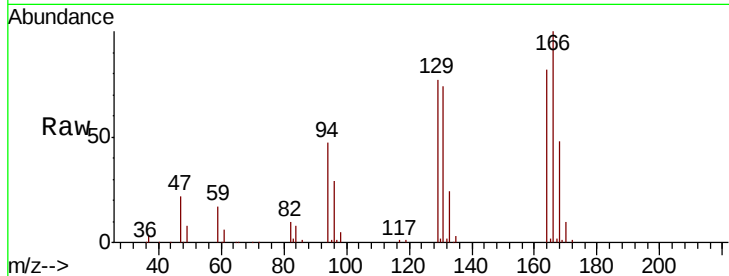
GB1K3DL

Tot Ion:129 Resp: 59189

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

40000

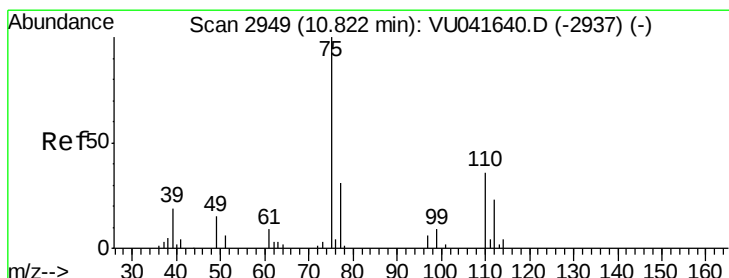
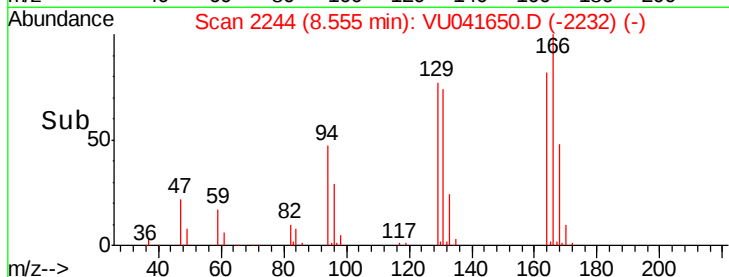
30000

20000

10000

0

Time--> 8.50 8.55 8.60



#59

1,2,3-Trichloropropane

Concen: 0.820 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041650.D

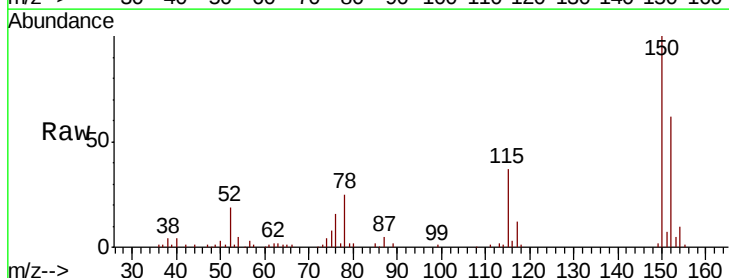
Acq: 15 Dec 2020 20:41

Tgt Ion: 75 Resp: 5816

Ion Ratio Lower Upper

75 100

77 32.0 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

