

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121520\
 Data File : VU041634.D
 Acq On : 15 Dec 2020 14:20
 Operator : SY/MD
 Sample : L5029-07 50X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB1K5

Quant Time: Dec 16 02:46:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 16 02:41:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	119589	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	117639	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	54379	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	28640	3.06	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	61.20%
7) Chloroethane-d5	1.92	69	29810	4.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.40%
11) 1,1-Dichloroethene-d2	2.58	63	48729	2.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.60%#
20) 2-Butanone-d5	4.67	46	137615	51.24	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.48%
24) Chloroform-d	5.08	84	72725	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	5.72	65	43711	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
32) Benzene-d6	5.74	84	141352	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.00%
36) 1,2-Dichloropropane-d6	6.70	67	46517	4.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.00%
41) Toluene-d8	7.91	98	120313	3.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.20%
43) trans-1,3-Dichloropropene-	8.19	79	18114	3.81	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.20%
46) 2-Hexanone-d5	8.64	63	112545	43.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.70%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	46856	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	47977	4.96	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.20%

Target Compounds

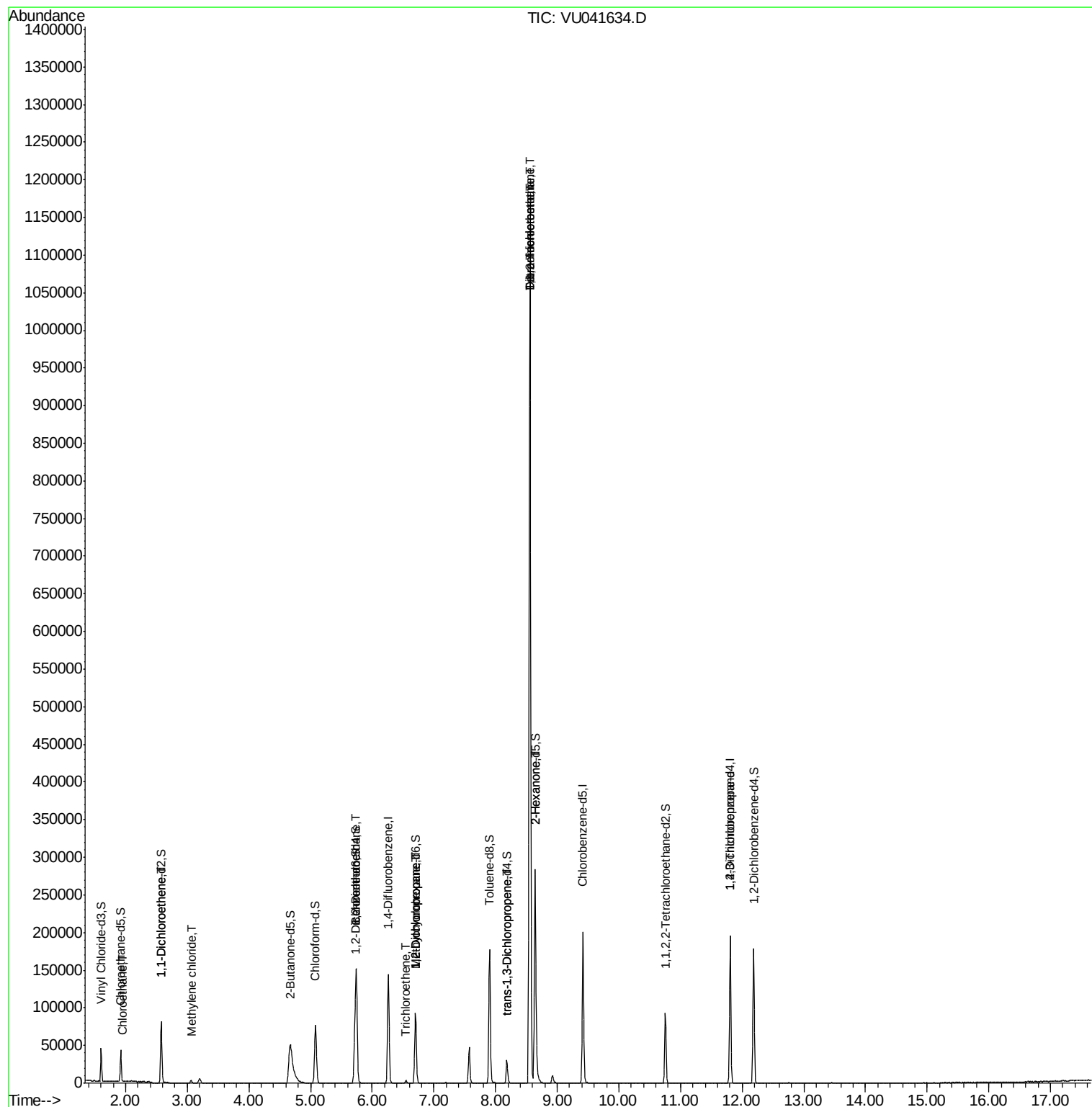
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.95	64	344	0.047	ug/L #	44
12) 1,1-Dichloroethene	2.58	96	462	0.057	ug/L #	1
16) Methylene chloride	3.06	84	1770	0.183	ug/L	84
27) 1,2-Dichloroethane	5.75	62	686	0.064	ug/L #	73
34) Trichloroethene	6.55	95	823	0.087	ug/L	76
35) Methylcyclohexane	6.71	83	10569	0.692	ug/L #	20
37) 1,2-Dichloropropane	6.70	63	4712	0.490	ug/L #	88
44) trans-1,3-Dichloropropene	8.18	75	721	0.057	ug/L #	43
45) 1,1,2-Trichloroethane	8.55	97	2233	0.314	ug/L #	12
47) Tetrachloroethene	8.56	164	261597	39.527	ug/L	97
48) 2-Hexanone	8.64	43	13232	2.655	ug/L #	65
49) Dibromochloromethane	8.56	129	252813	30.927	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	5615	0.777	ug/L	99

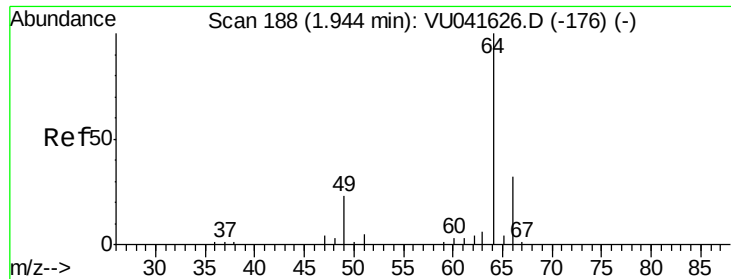
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 16 02:41:48 2020
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#8

Chloroethane

Concen: 0.047 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.01 min

Lab File: VU041634.D

Acq: 15 Dec 2020 14:20

Instrument :

MSVOA_U

ClientSampleId :

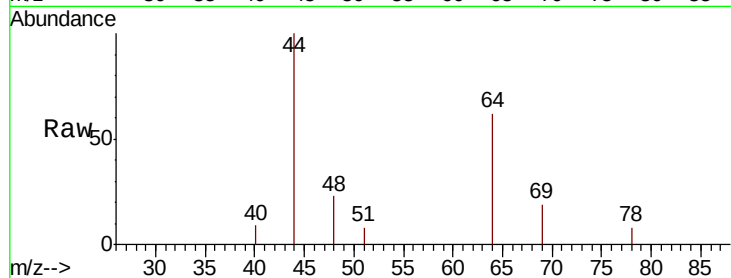
GB1K5

Tot Ion: 64 Resp: 344

Ion Ratio Lower Upper

64 100

66 0.0 21.6 40.0#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

1.95

800

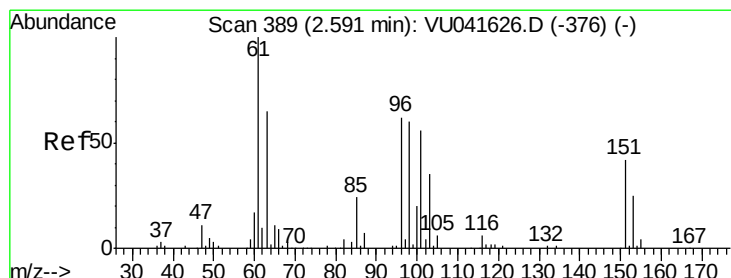
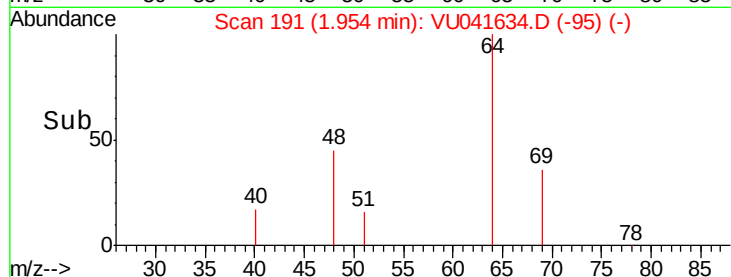
600

400

200

0

Time--> 1.92 1.94 1.96 1.98



#12

1,1-Dichloroethene

Concen: 0.057 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU041634.D

Acq: 15 Dec 2020 14:20

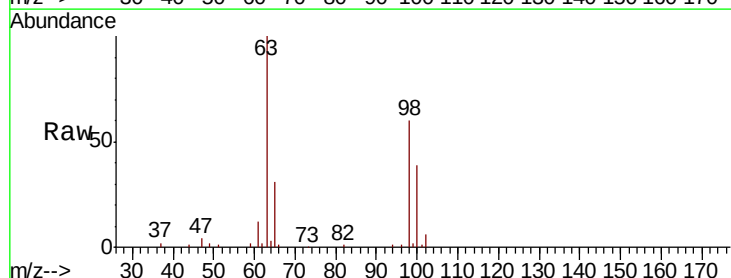
Tgt Ion: 96 Resp: 462

Ion Ratio Lower Upper

96 100

61 846.0 123.8 230.0#

63 7118.0 81.0 150.4#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

40000

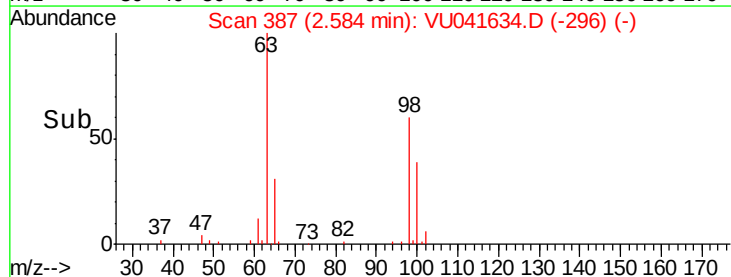
30000

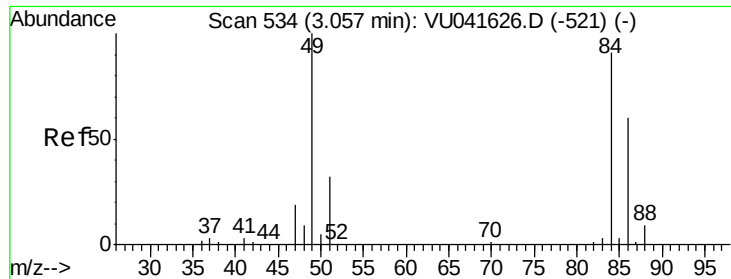
20000

10000

0

Time--> 2.54 2.56 2.58 2.60

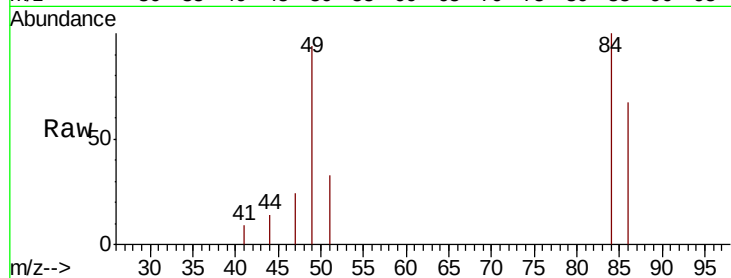




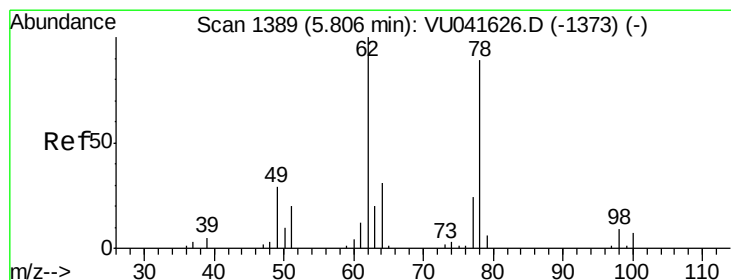
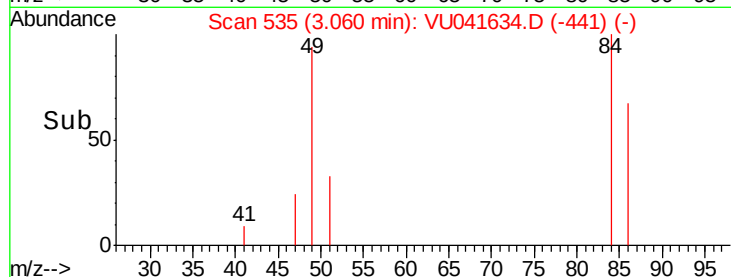
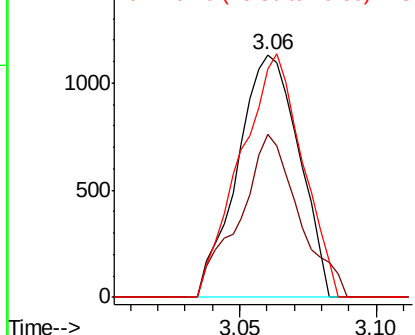
#16
Methylene chloride
Concen: 0.183 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041634.D
Acq: 15 Dec 2020 14:20

Instrument :
MSVOA_U
ClientSampleId :
GB1K5

Tot Ion: 84 Resp: 1770
Ion Ratio Lower Upper
84 100
86 67.3 45.1 83.7
49 94.2 83.1 154.3

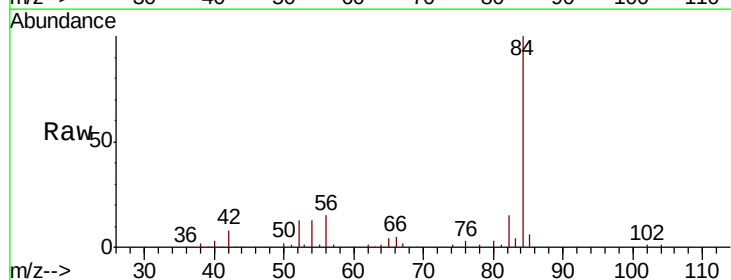


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

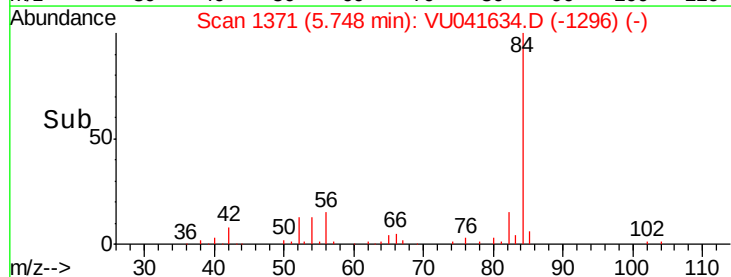
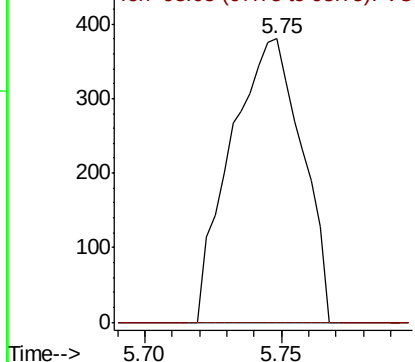


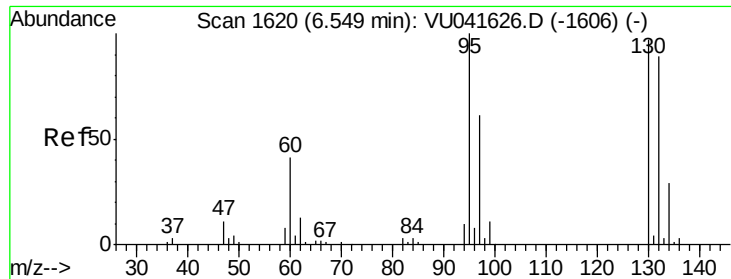
#27
1,2-Dichloroethane
Concen: 0.064 ug/L
RT: 5.75 min Scan# 1371
Delta R.T. -0.06 min
Lab File: VU041634.D
Acq: 15 Dec 2020 14:20

Tgt Ion: 62 Resp: 686
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





#34

Trichloroethene

Concen: 0.087 ug/L

RT: 6.55 min Scan# 1620

Delta R.T. 0.00 min

Lab File: VU041634.D

Acq: 15 Dec 2020 14:20

Instrument :

MSVOA_U

ClientSampleId :

GB1K5

Tot Ion: 95 Resp: 823

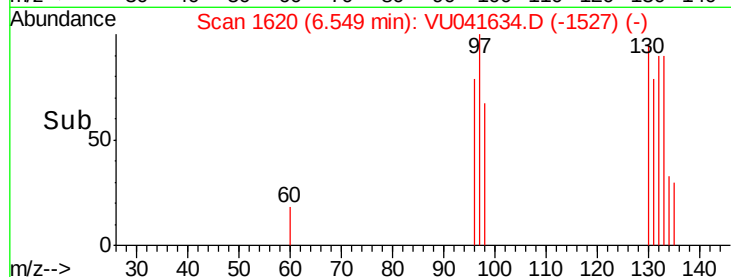
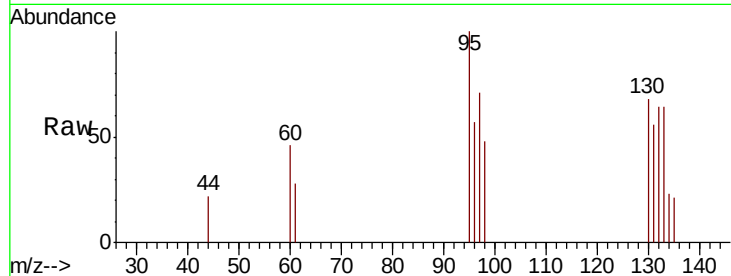
Ion Ratio Lower Upper

95 100

97 71.3 43.9 81.5

132 64.4 63.1 117.3

130 68.1 67.4 125.2

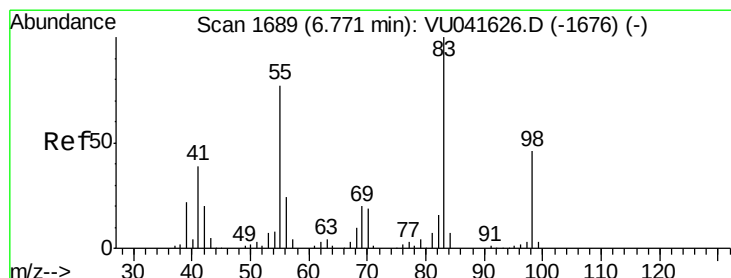
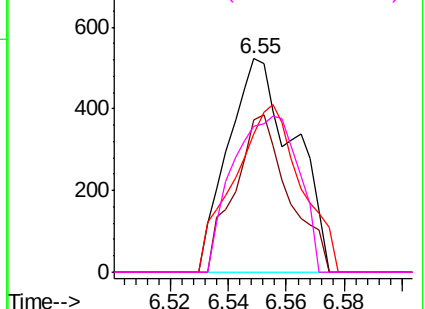


Abundance Ion 95.00 (94.70 to 95.70): VU0

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

Methylcyclohexane

Concen: 0.692 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.06 min

Lab File: VU041634.D

Acq: 15 Dec 2020 14:20

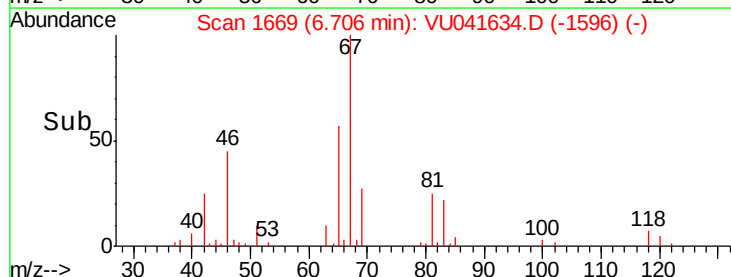
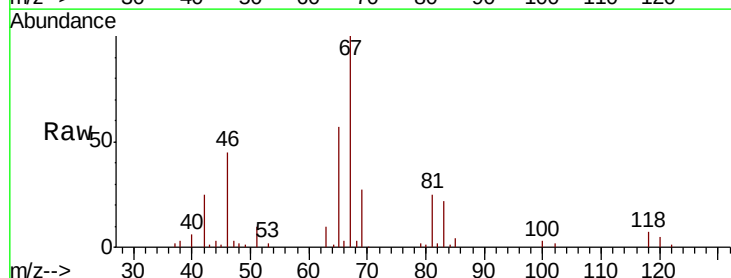
Tgt Ion: 83 Resp: 10569

Ion Ratio Lower Upper

83 100

55 0.0 61.2 91.8#

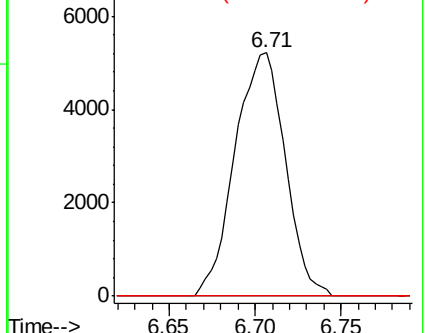
98 3.3 36.6 54.8#

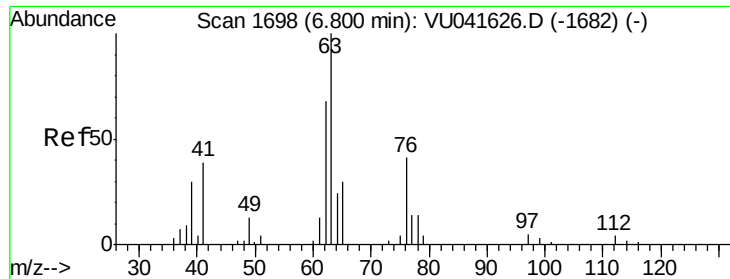


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

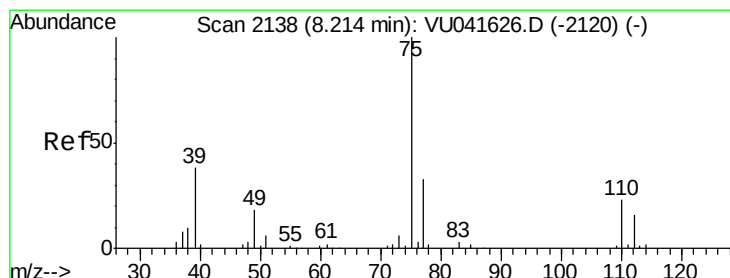
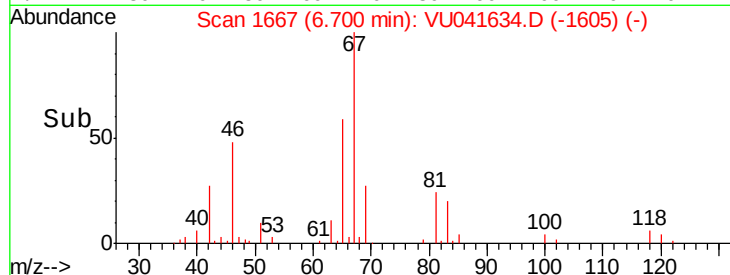
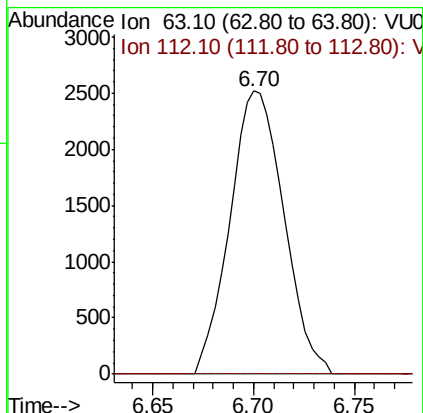
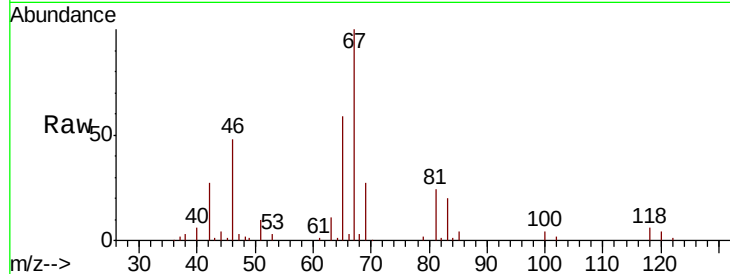




#37
 1,2-Dichloropropane
 Concen: 0.490 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU041634.D
 Acq: 15 Dec 2020 14:20

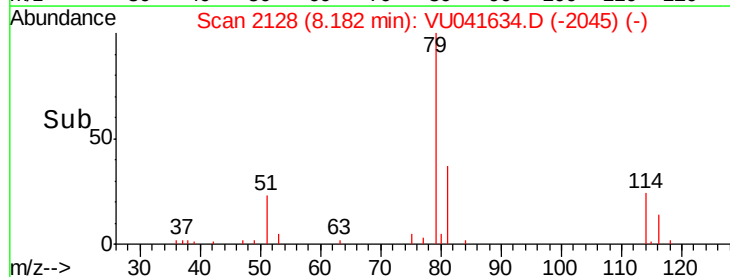
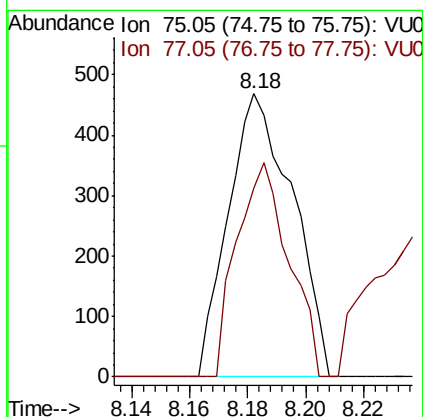
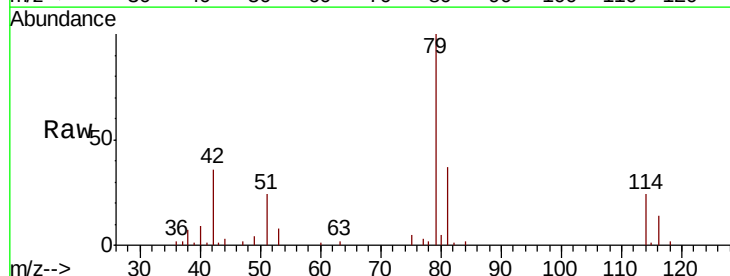
Instrument :
 MSVOA_U
 ClientSampleId :
 GB1K5

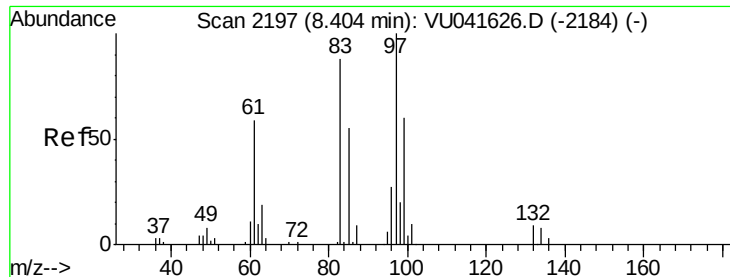
Tot Ion: 63 Resp: 4712
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#44
 trans-1,3-Dichloropropene
 Concen: 0.057 ug/L
 RT: 8.18 min Scan# 2128
 Delta R.T. -0.03 min
 Lab File: VU041634.D
 Acq: 15 Dec 2020 14:20

Tgt Ion: 75 Resp: 721
 Ion Ratio Lower Upper
 75 100
 77 66.9 23.8 44.2#





#45

1,1,2-Trichloroethane

Concen: 0.314 ug/L

RT: 8.55 min Scan# 2243

Delta R.T. 0.15 min

Lab File: VU041634.D

Acq: 15 Dec 2020 14:20

Instrument :

MSVOA_U

ClientSampleID :

GB1K5

Tot Ion: 97 Resp: 2233

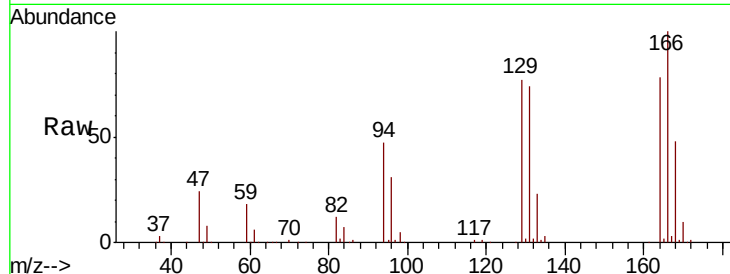
Ion Ratio Lower Upper

97 100

99 17.0 42.1 78.3#

83 217.0 62.6 116.2#

85 24.7 39.1 72.7#

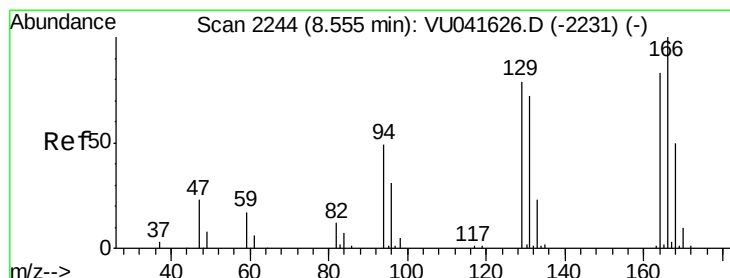
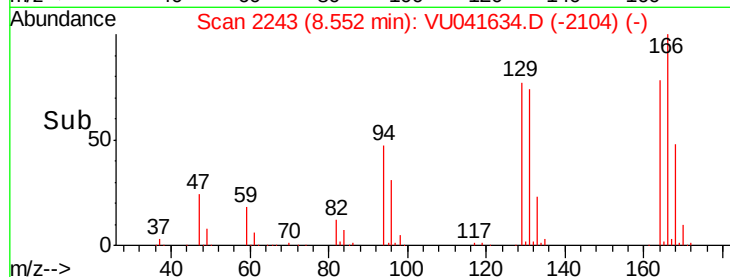
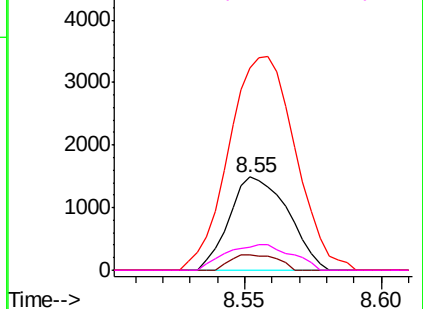


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 39.527 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041634.D

Acq: 15 Dec 2020 14:20

Tgt Ion:164 Resp: 261597

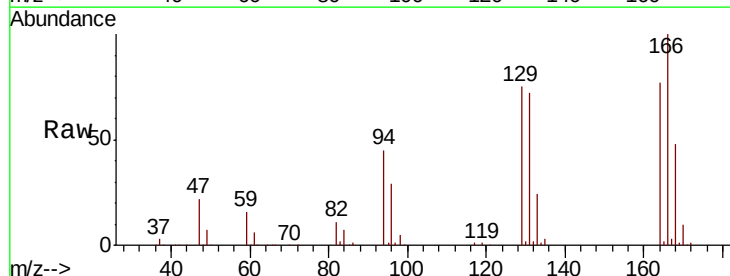
Ion Ratio Lower Upper

164 100

129 97.9 72.2 134.0

131 93.1 66.9 124.3

166 130.1 89.6 166.4

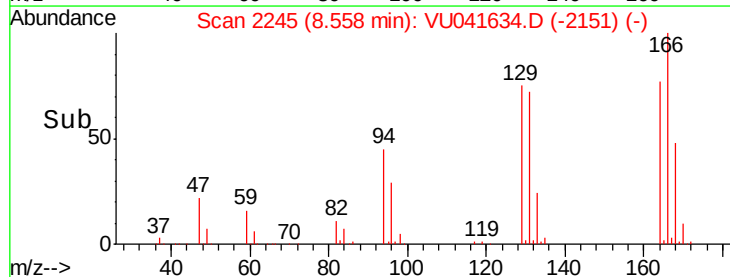
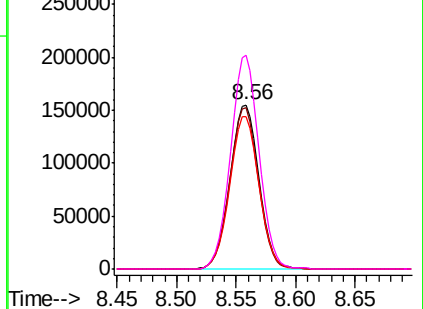


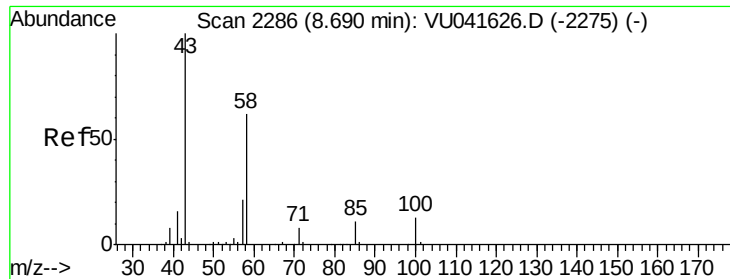
Abundance Ion 163.90 (163.60 to 164.60): V

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

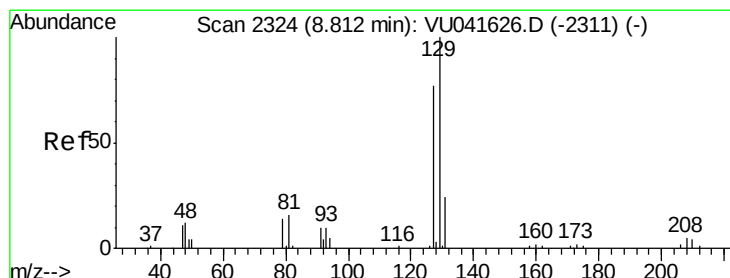
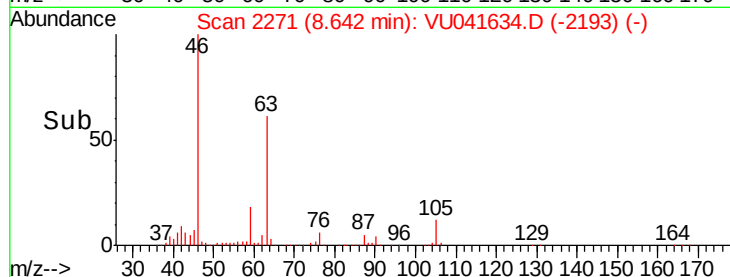
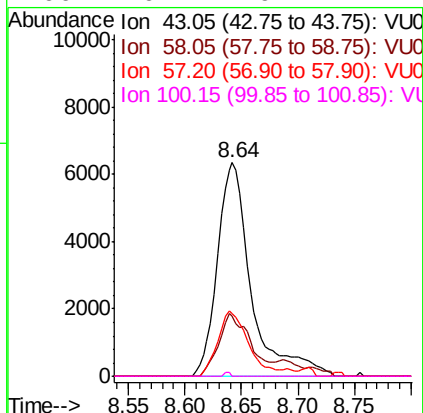
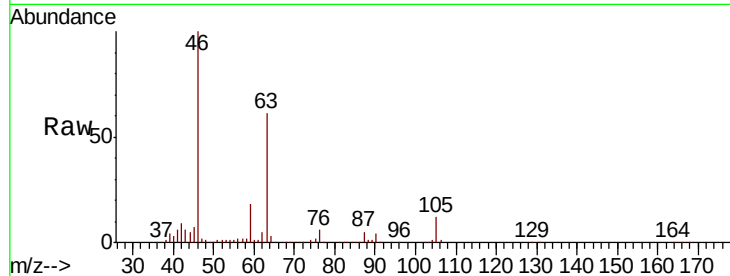




#48
2-Hexanone
Concen: 2.655 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU041634.D
Acq: 15 Dec 2020 14:20

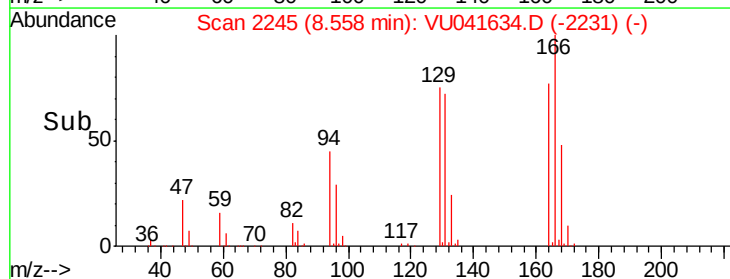
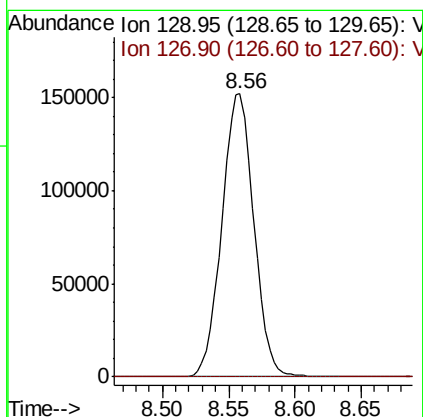
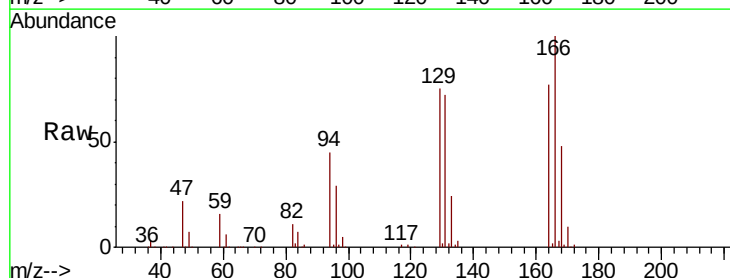
Instrument :
MSVOA_U
ClientSampleId :
GB1K5

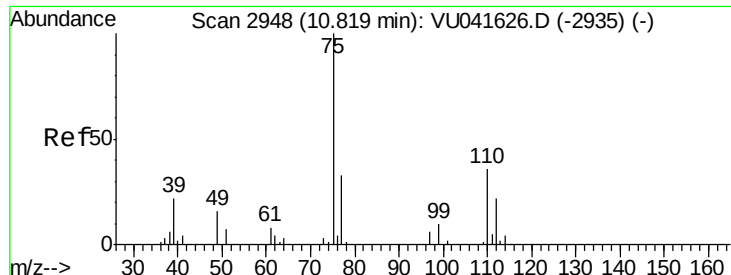
Tot Ion	Ratio	Lower	Upper
43	100		
58	27.5	47.9	71.9#
57	27.6	16.5	24.7#
100	0.4	9.4	14.2#



#49
Dibromochloromethane
Concen: 30.927 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.25 min
Lab File: VU041634.D
Acq: 15 Dec 2020 14:20

Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.7	101.7#





#59

1,2,3-Trichloropropane

Concen: 0.777 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041634.D

Acq: 15 Dec 2020 14:20

Instrument :

MSVOA_U

ClientSampleId :

GB1K5

Tot Ion: 75 Resp: 5615

Ion Ratio Lower Upper

75 100

77 33.4 26.2 39.2

