

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121520\
 Data File : VU041642.D
 Acq On : 15 Dec 2020 17:32
 Operator : SY/MD
 Sample : L5029-04DL 250X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB1K4DL

Quant Time: Dec 16 04:35:55 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	113962	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	115188	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	50418	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	28547	3.20	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.00%
7) Chloroethane-d5	1.92	69	31204	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.40%
11) 1,1-Dichloroethene-d2	2.58	63	49679	3.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.60%
20) 2-Butanone-d5	4.66	46	139988	54.70	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.40%
24) Chloroform-d	5.08	84	75338	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.72	65	45153	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
32) Benzene-d6	5.74	84	147269	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
36) 1,2-Dichloropropane-d6	6.70	67	47778	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.40%
41) Toluene-d8	7.90	98	122955	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.60%
43) trans-1,3-Dichloropropene-	8.18	79	19311	4.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.00%
46) 2-Hexanone-d5	8.64	63	110484	43.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.92%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48393	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	49036	5.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.40%

Target Compounds

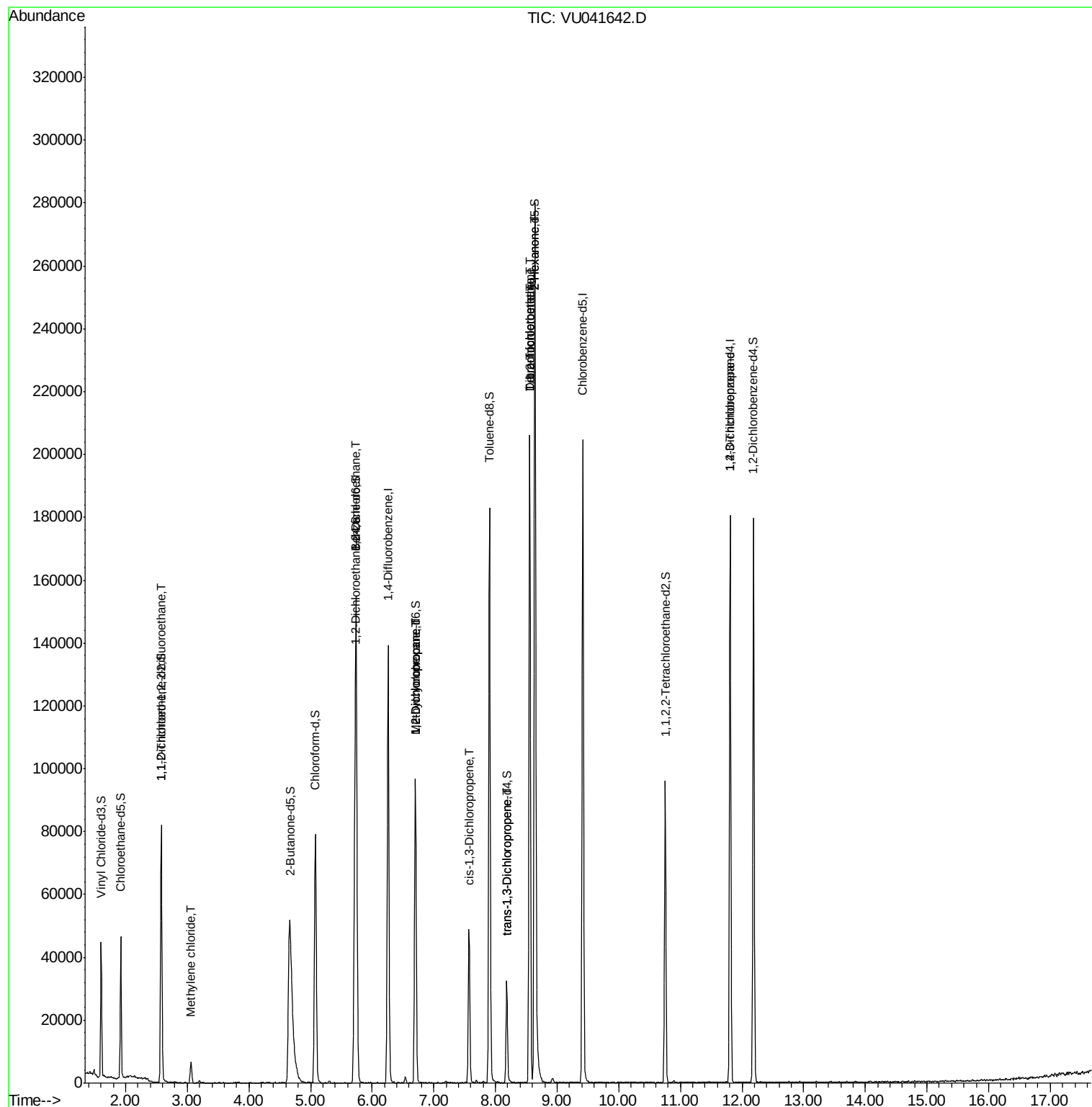
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	389	0.050	ug/L #	22
16) Methylene chloride	3.06	84	3420	0.370	ug/L	93
27) 1,2-Dichloroethane	5.75	62	738	0.072	ug/L #	73
35) Methylcyclohexane	6.70	83	11570	0.773	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	5017	0.532	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	993	0.071	ug/L #	41
44) trans-1,3-Dichloropropene	8.19	75	921	0.074	ug/L #	73
45) 1,1,2-Trichloroethane	8.56	97	369	0.053	ug/L #	1
47) Tetrachloroethene	8.56	164	45234	6.980	ug/L	97
48) 2-Hexanone	8.64	43	12972	2.658	ug/L #	67
49) Dibromochloromethane	8.56	129	45230	5.651	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	5500	0.777	ug/L	99

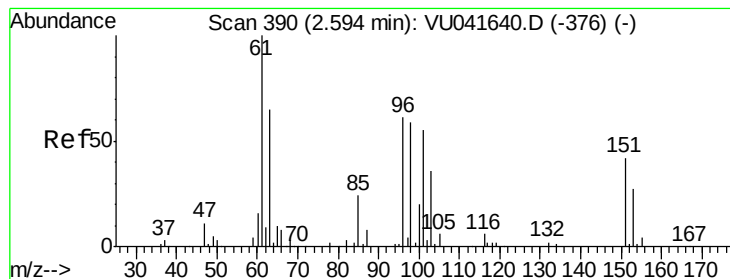
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.050 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU041642.D

Acq: 15 Dec 2020 17:32

Instrument :

MSVOA_U

ClientSampleID :

GB1K4DL

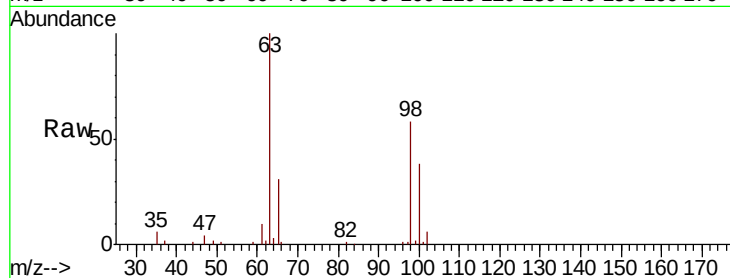
Tot Ion:101 Resp: 389

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

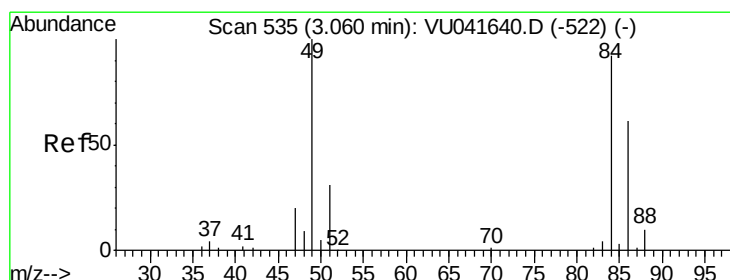
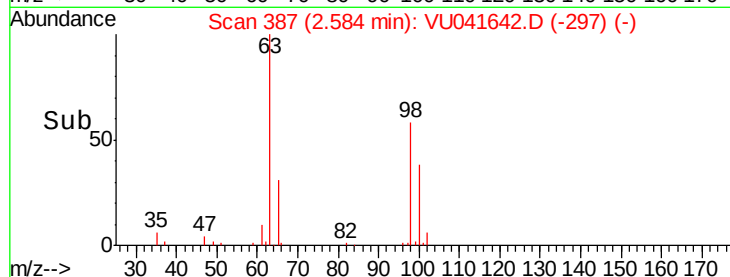
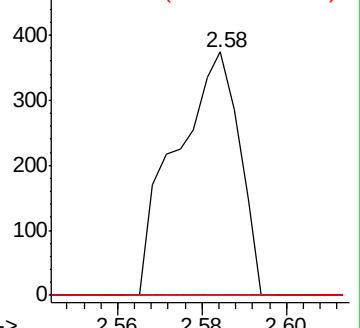
151 0.0 56.2 84.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#16

Methylene chloride

Concen: 0.370 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041642.D

Acq: 15 Dec 2020 17:32

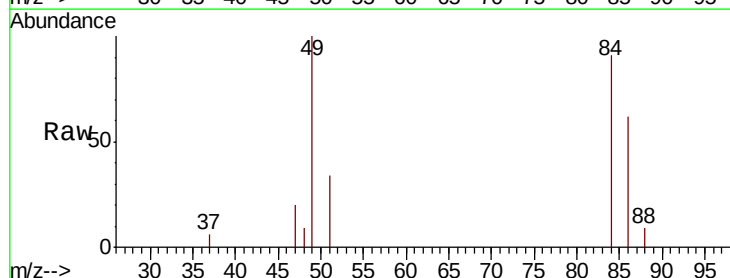
Tgt Ion: 84 Resp: 3420

Ion Ratio Lower Upper

84 100

86 68.8 45.1 83.7

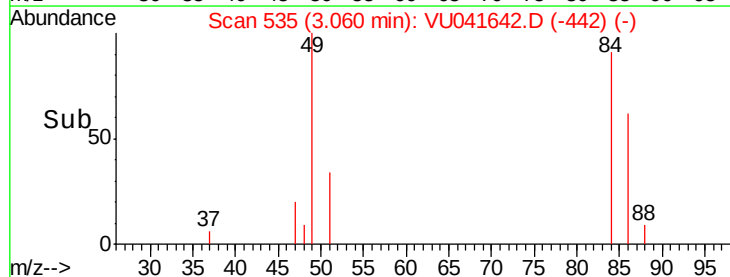
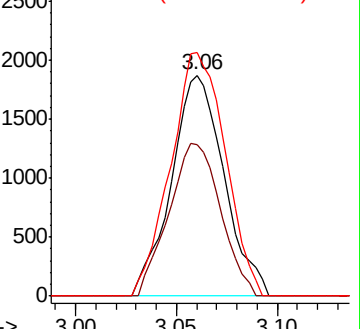
49 110.3 83.1 154.3

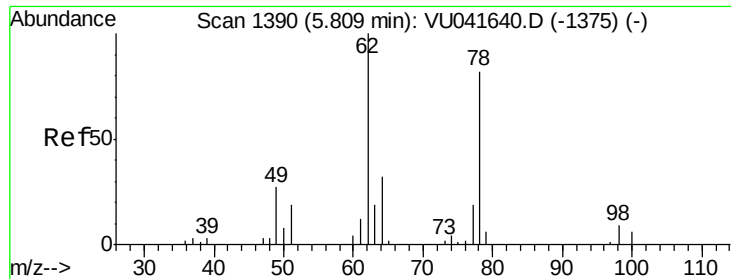


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

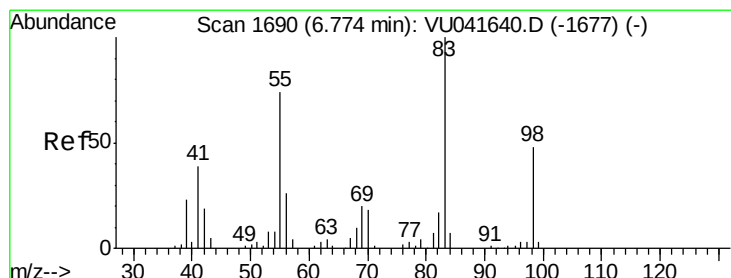
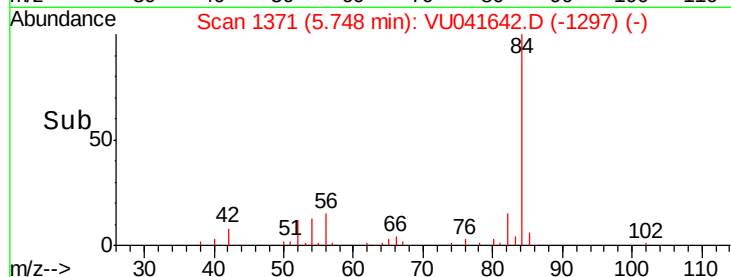
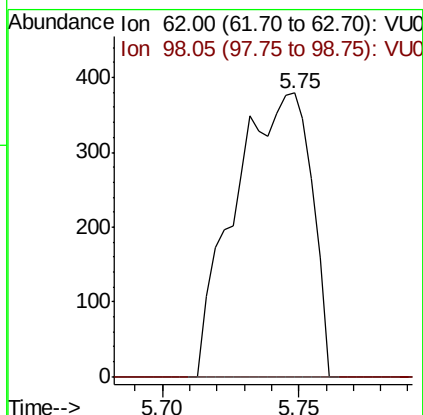
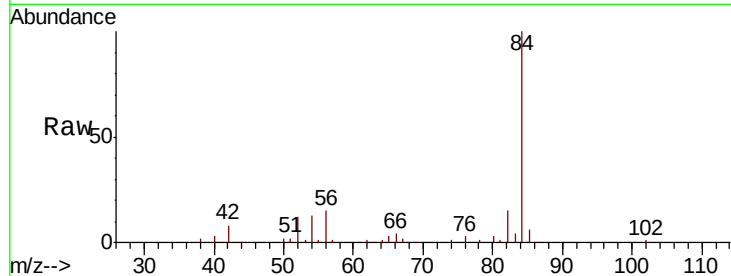




#27
 1,2-Dichloroethane
 Concen: 0.072 ug/L
 RT: 5.75 min Scan# 1371
 Delta R.T. -0.06 min
 Lab File: VU041642.D
 Acq: 15 Dec 2020 17:32

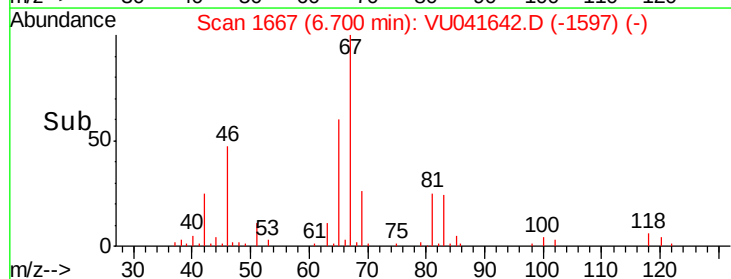
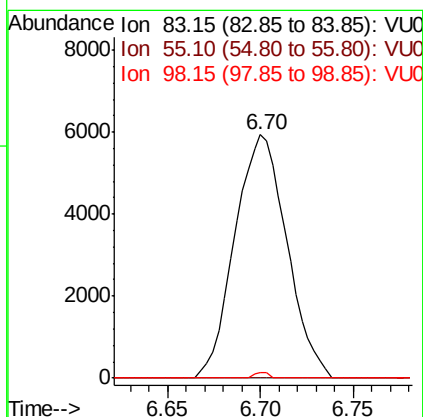
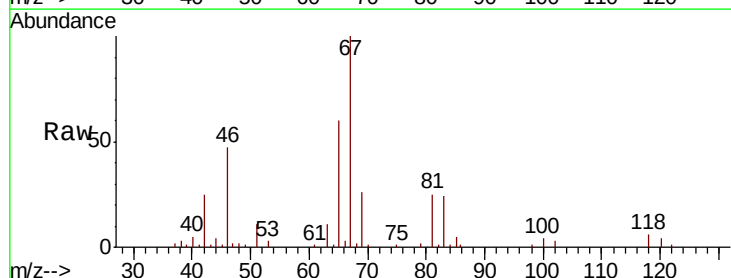
Instrument :
 MSVOA_U
 ClientSampleId :
 GB1K4DL

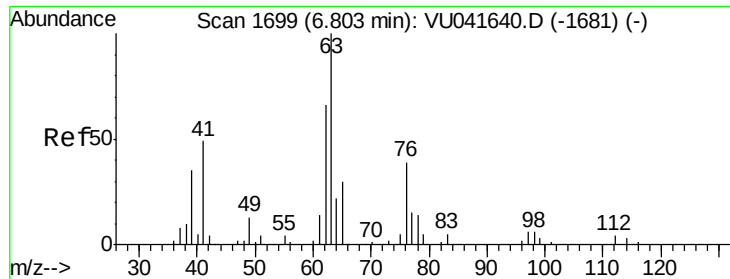
Tot Ion: 62 Resp: 738
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.2 12.2#



#35
 Methylcyclohexane
 Concen: 0.773 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.07 min
 Lab File: VU041642.D
 Acq: 15 Dec 2020 17:32

Tgt Ion: 83 Resp: 11570
 Ion Ratio Lower Upper
 83 100
 55 0.0 61.2 91.8#
 98 0.6 36.6 54.8#

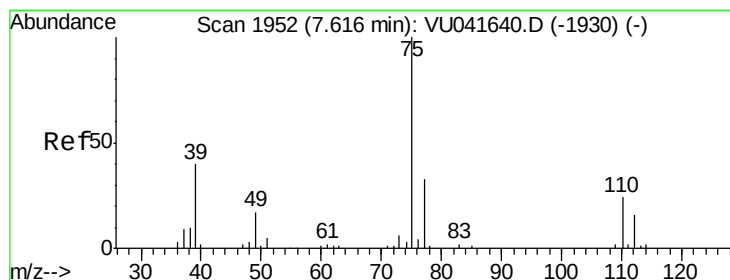
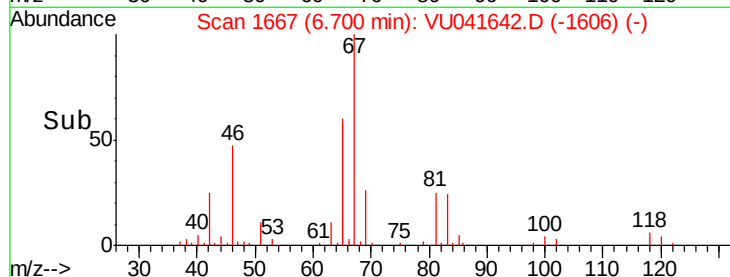
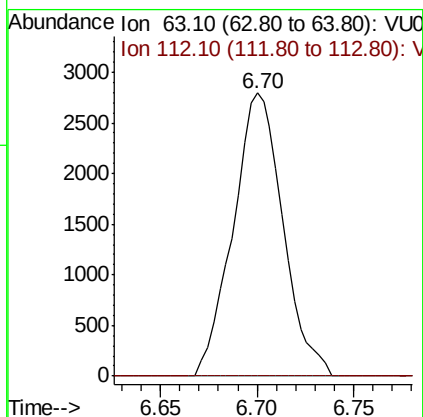
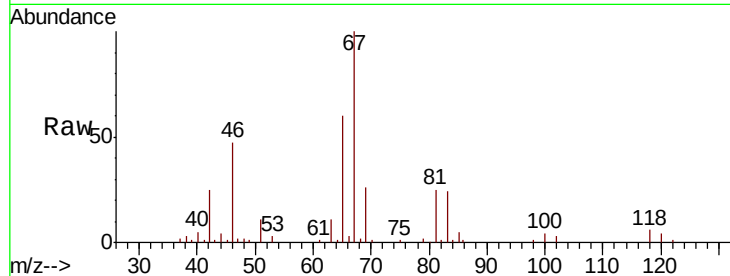




#37
 1,2-Dichloropropane
 Concen: 0.532 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU041642.D
 Acq: 15 Dec 2020 17:32

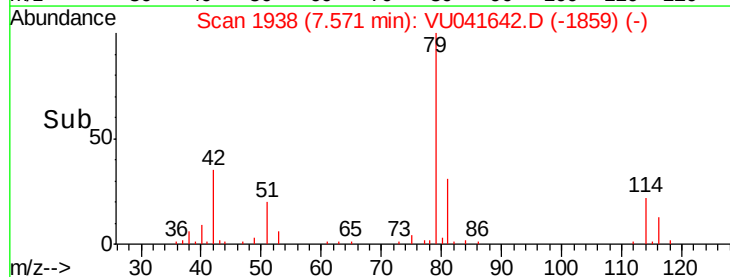
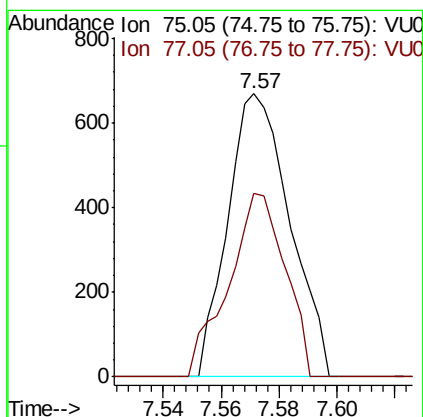
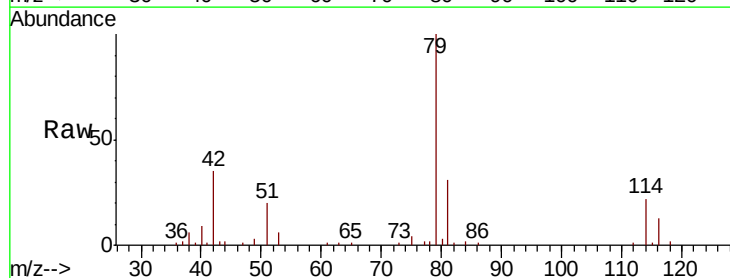
Instrument :
 MSVOA_U
 ClientSampleId :
 GB1K4DL

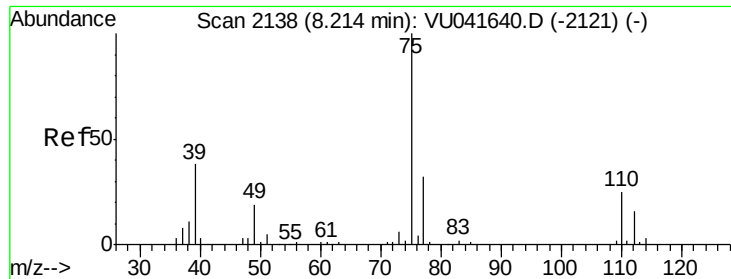
Tot Ion: 63 Resp: 5017
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.071 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041642.D
 Acq: 15 Dec 2020 17:32

Tgt Ion: 75 Resp: 993
 Ion Ratio Lower Upper
 75 100
 77 64.7 22.3 41.3#

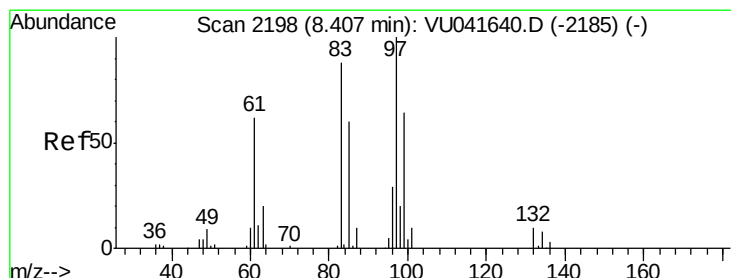
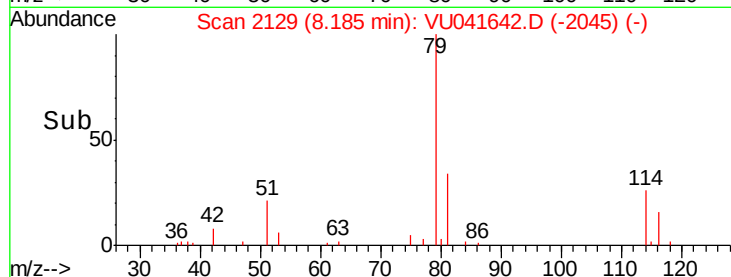
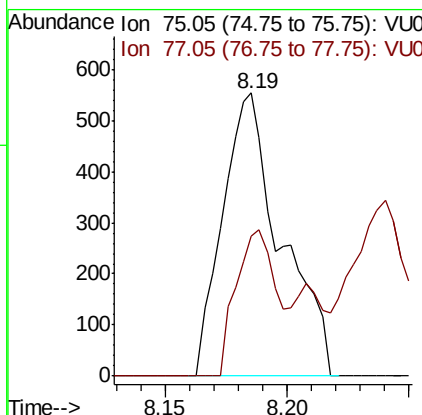
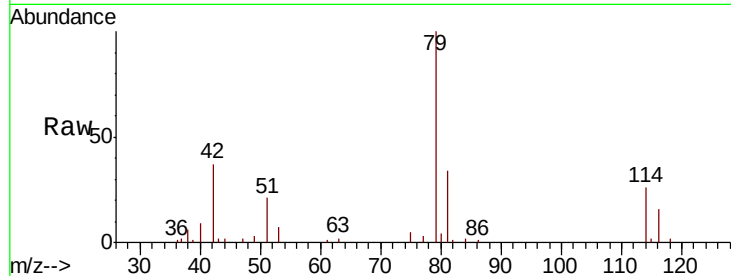




#44
trans-1,3-Dichloropropene
Concen: 0.074 ug/L
RT: 8.19 min Scan# 2129
Delta R.T. -0.03 min
Lab File: VU041642.D
Acq: 15 Dec 2020 17:32

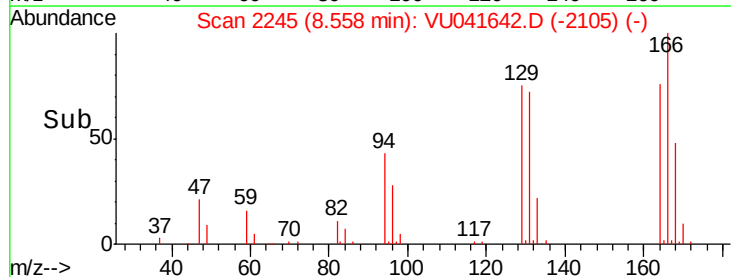
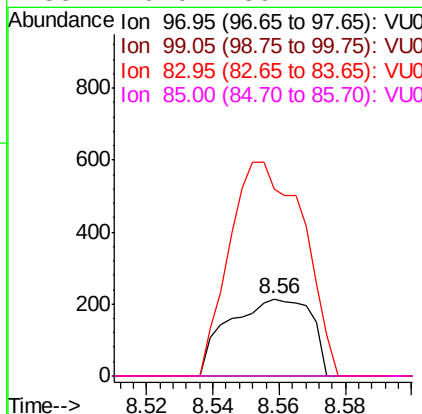
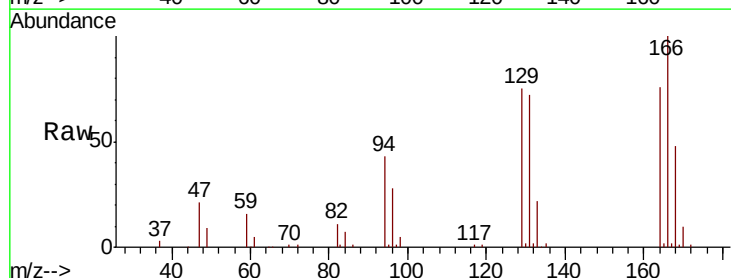
Instrument :
MSVOA_U
ClientSampleId :
GB1K4DL

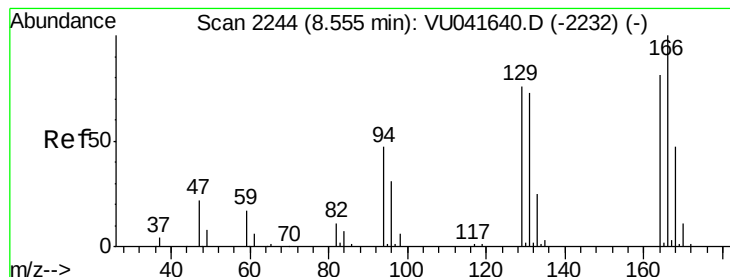
Tot Ion: 75 Resp: 921
Ion Ratio Lower Upper
75 100
77 49.3 23.8 44.2#



#45
1,1,2-Trichloroethane
Concen: 0.053 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.15 min
Lab File: VU041642.D
Acq: 15 Dec 2020 17:32

Tgt Ion: 97 Resp: 369
Ion Ratio Lower Upper
97 100
99 0.0 42.1 78.3#
83 242.1 62.6 116.2#
85 0.0 39.1 72.7#





#47

Tetrachloroethene

Concen: 6.980 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU041642.D

Acq: 15 Dec 2020 17:32

Instrument :

MSVOA_U

ClientSampleId :

GB1K4DL

Tot Ion:164 Resp: 45234

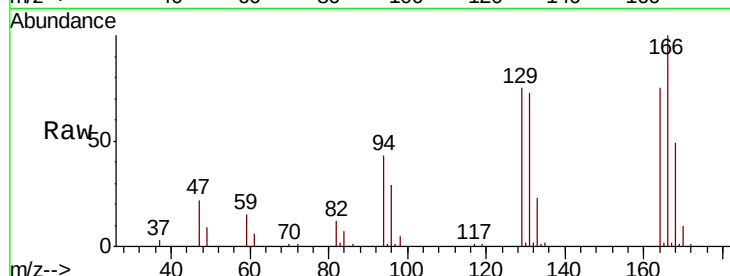
Ion Ratio Lower Upper

164 100

129 100.2 72.2 134.0

131 97.2 66.9 124.3

166 133.6 89.6 166.4

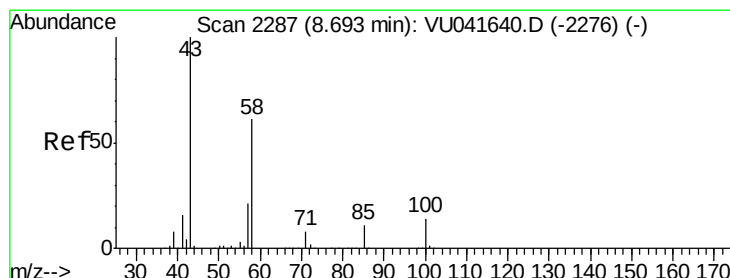
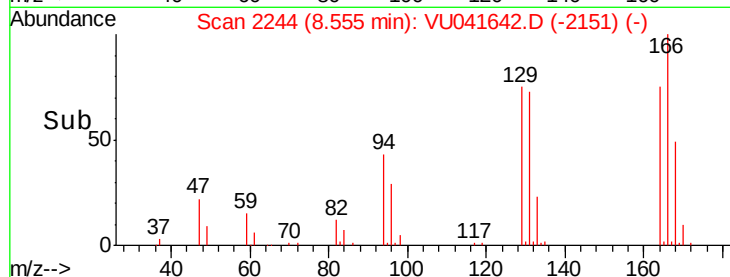
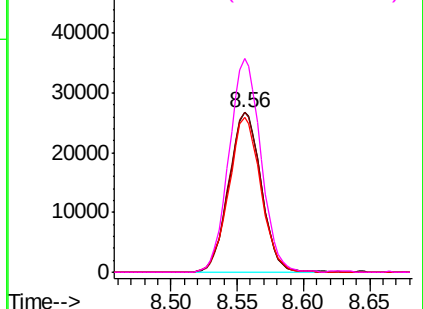


Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.658 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU041642.D

Acq: 15 Dec 2020 17:32

Tgt Ion: 43 Resp: 12972

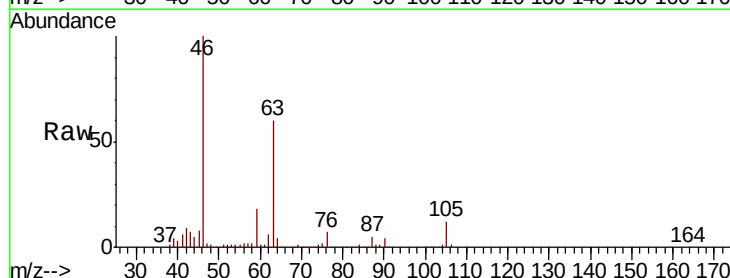
Ion Ratio Lower Upper

43 100

58 29.1 47.9 71.9#

57 26.9 16.5 24.7#

100 0.6 9.4 14.2#

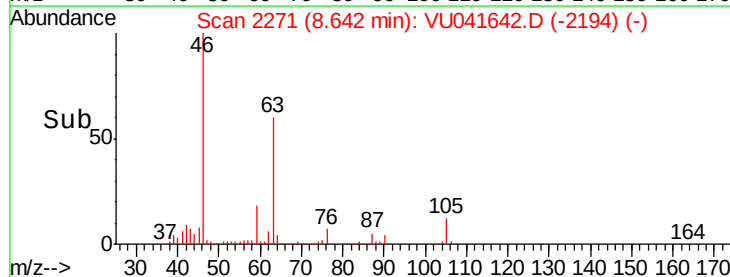
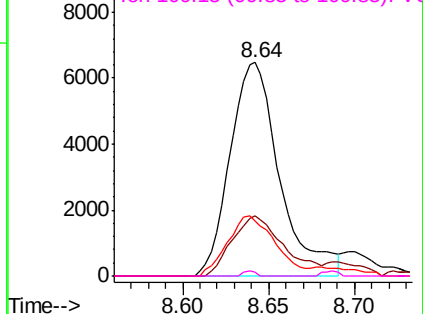


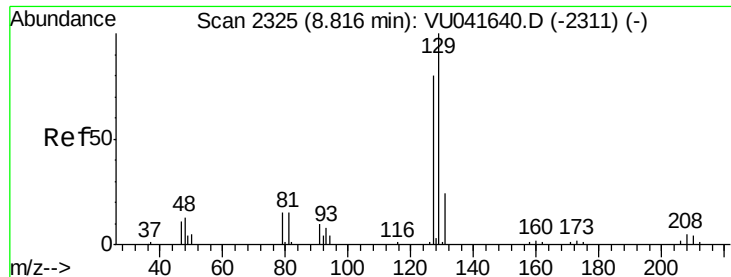
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 5.651 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU041642.D

Acq: 15 Dec 2020 17:32

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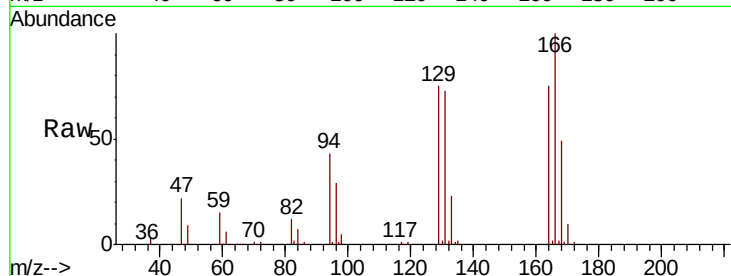
GB1K4DL

Tot Ion:129 Resp: 45230

Ion Ratio Lower Upper

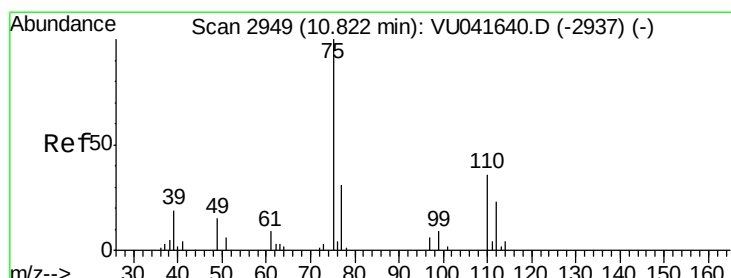
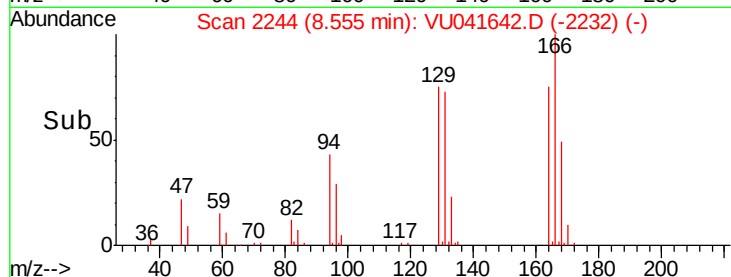
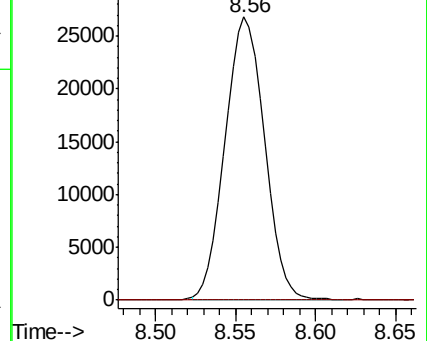
129 100

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: 0.777 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041642.D

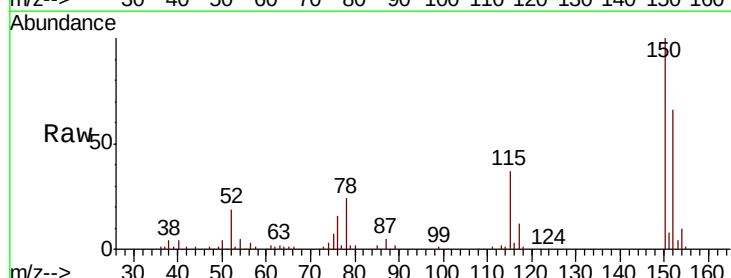
Acq: 15 Dec 2020 17:32

Tgt Ion: 75 Resp: 5500

Ion Ratio Lower Upper

75 100

77 33.1 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

