

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121520\
 Data File : VU041644.D
 Acq On : 15 Dec 2020 18:19
 Operator : SY/MD
 Sample : L5027-07DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB1H8DL

Quant Time: Dec 16 04:36:37 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	116769	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	114431	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	50258	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	27738	3.04	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	60.80%
7) Chloroethane-d5	1.92	69	29670	4.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.00%
11) 1,1-Dichloroethene-d2	2.58	63	48394	2.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.60%#
20) 2-Butanone-d5	4.66	46	132087	50.37	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.74%
24) Chloroform-d	5.08	84	74189	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.72	65	44730	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
32) Benzene-d6	5.74	84	139163	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.00%
36) 1,2-Dichloropropane-d6	6.70	67	45902	4.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.40%
41) Toluene-d8	7.91	98	117951	3.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.80%
43) trans-1,3-Dichloropropene-	8.19	79	18568	4.02	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.40%
46) 2-Hexanone-d5	8.64	63	111181	44.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.06%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	46860	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	45090	5.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

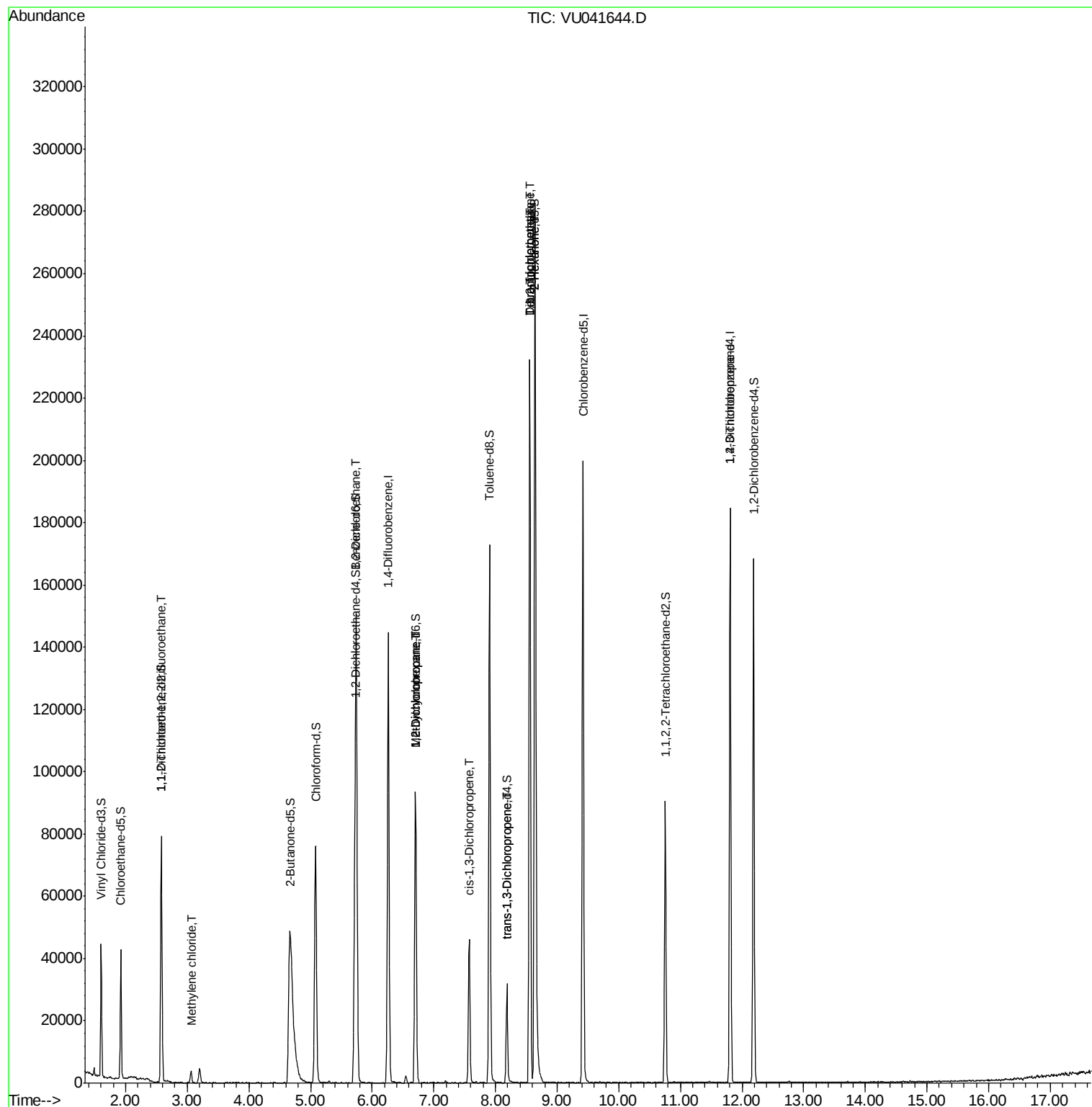
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	443	0.055	ug/L #	22
16) Methylene chloride	3.06	84	1809	0.191	ug/L	90
27) 1,2-Dichloroethane	5.74	62	745	0.071	ug/L #	73
35) Methylcyclohexane	6.70	83	10884	0.732	ug/L #	20
37) 1,2-Dichloropropane	6.70	63	4676	0.500	ug/L #	88
39) cis-1,3-Dichloropropene	7.58	75	1019	0.073	ug/L	83
44) trans-1,3-Dichloropropene	8.18	75	808	0.065	ug/L #	64
45) 1,1,2-Trichloroethane	8.56	97	384	0.055	ug/L #	1
47) Tetrachloroethene	8.56	164	51769	8.042	ug/L	97
48) 2-Hexanone	8.64	43	12594	2.598	ug/L #	65
49) Dibromochloromethane	8.56	129	49832	6.267	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	5537	0.788	ug/L	98

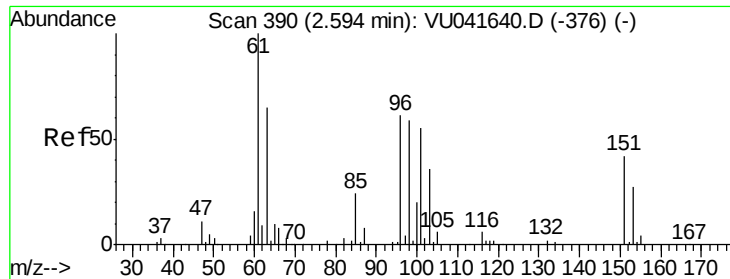
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Dec 16 04:34:43 2020
Response via : Initial Calibration





#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: VU041644.D

Acq: 15 Dec 2020 18:19

Instrument :

MSVOA_U

ClientSampleId :

GB1H8DL

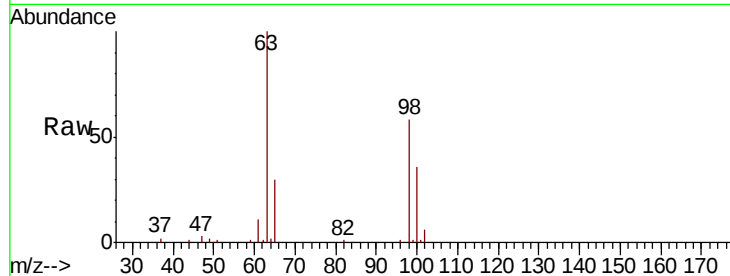
Tot Ion:101 Resp: 443

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

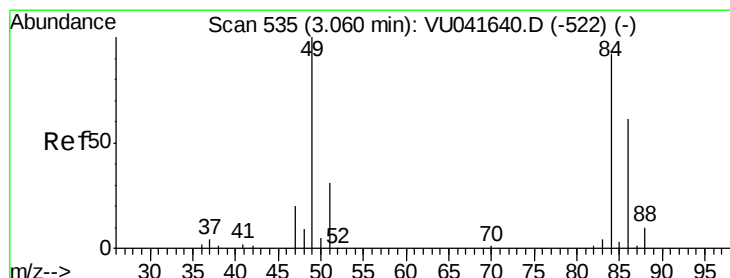
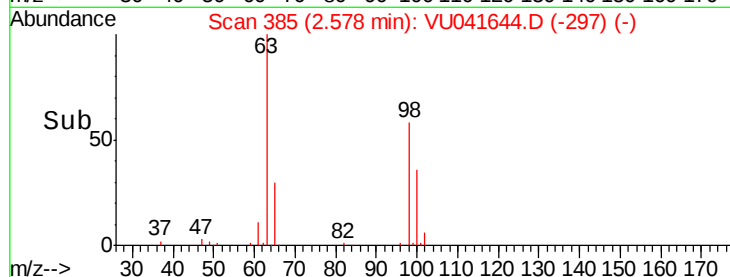
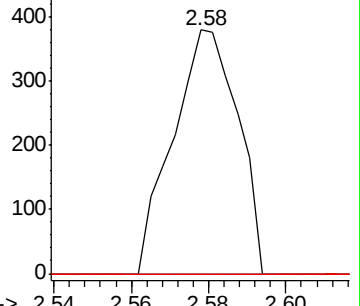
151 0.0 56.2 84.4#



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: 0.191 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU041644.D

Acq: 15 Dec 2020 18:19

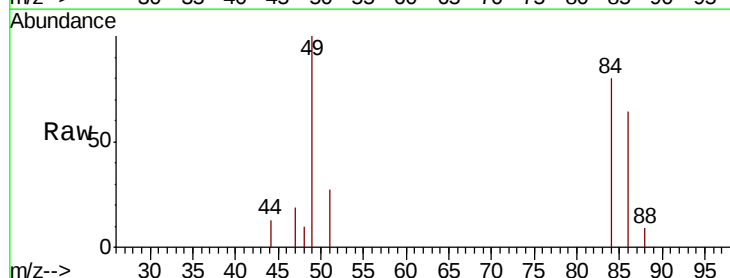
Tgt Ion: 84 Resp: 1809

Ion Ratio Lower Upper

84 100

86 79.7 45.1 83.7

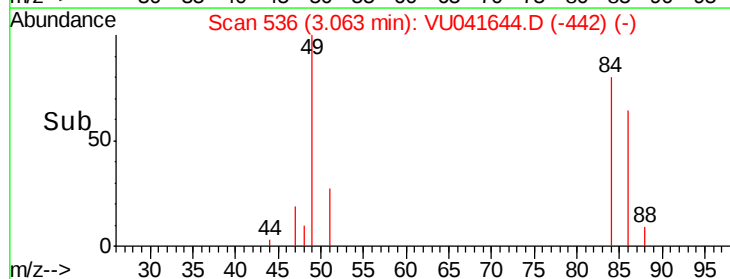
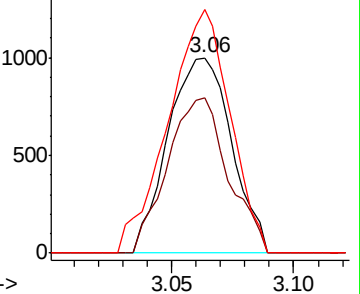
49 124.7 83.1 154.3

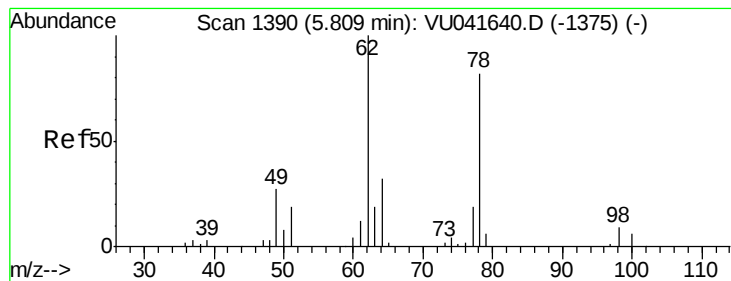


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#27

1,2-Dichloroethane

Concen: 0.071 ug/L

RT: 5.74 min Scan# 1369

Delta R.T. -0.07 min

Lab File: VU041644.D

Acq: 15 Dec 2020 18:19

Instrument :

MSVOA_U

ClientSampleID :

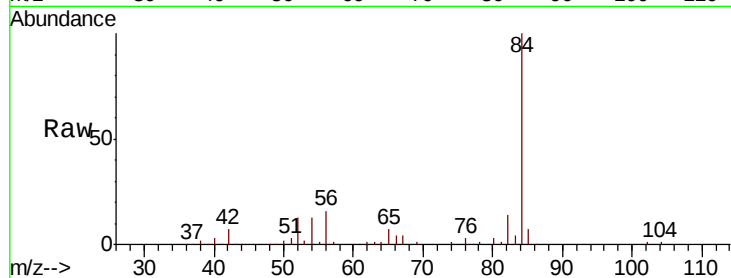
GB1H8DL

Tot Ion: 62 Resp: 745

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.2#



Abundance Ion 62.00 (61.70 to 62.70): VU041644.D (-1375) (-)

Ion 98.05 (97.75 to 98.75): VU041644.D (-1375) (-)

5.74

400

300

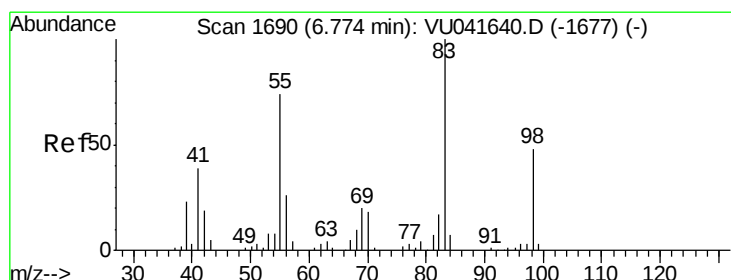
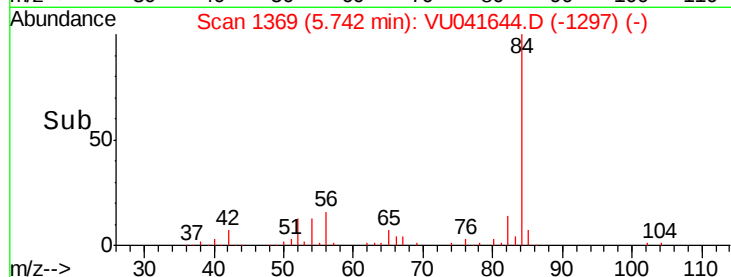
200

100

0

5.70 5.75

Time-->



#35

Methylcyclohexane

Concen: 0.732 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU041644.D

Acq: 15 Dec 2020 18:19

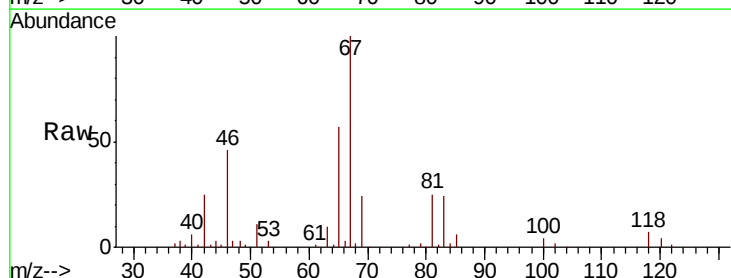
Tgt Ion: 83 Resp: 10884

Ion Ratio Lower Upper

83 100

55 0.0 61.2 91.8#

98 2.5 36.6 54.8#



Abundance Ion 83.15 (82.85 to 83.85): VU041644.D (-1677) (-)

Ion 55.10 (54.80 to 55.80): VU041644.D (-1677) (-)

Ion 98.15 (97.85 to 98.85): VU041644.D (-1677) (-)

6.70

8000

6000

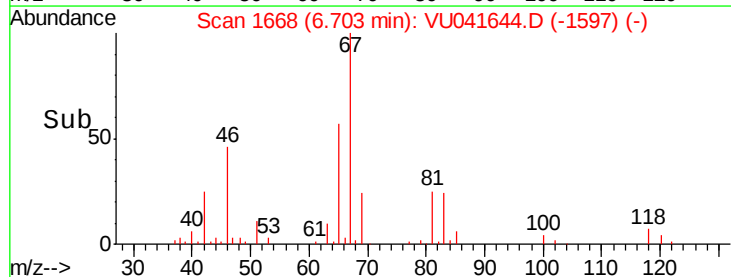
4000

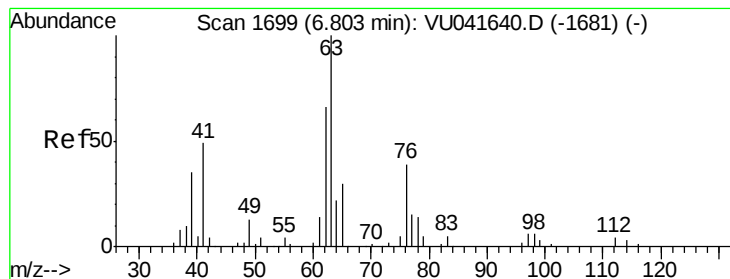
2000

0

6.65 6.70 6.75

Time-->





#37

1,2-Dichloropropane

Concen: 0.500 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.10 min

Lab File: VU041644.D

Acq: 15 Dec 2020 18:19

Instrument :

MSVOA_U

ClientSampleId :

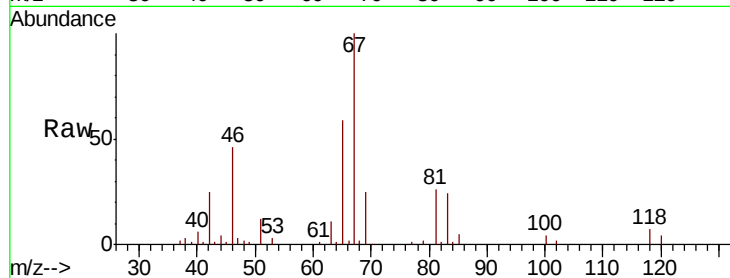
GB1H8DL

Tot Ion: 63 Resp: 4676

Ion Ratio Lower Upper

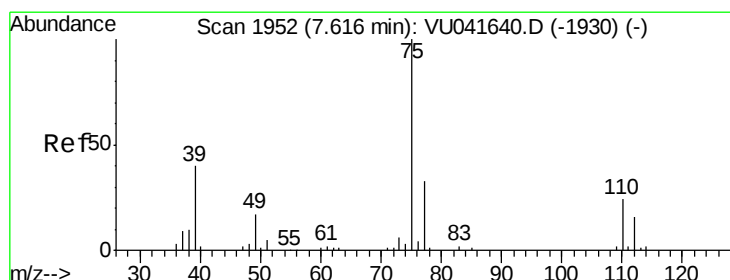
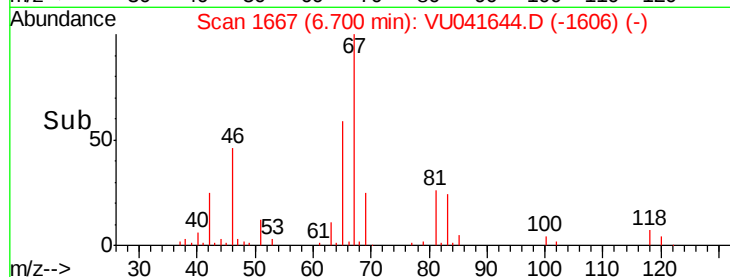
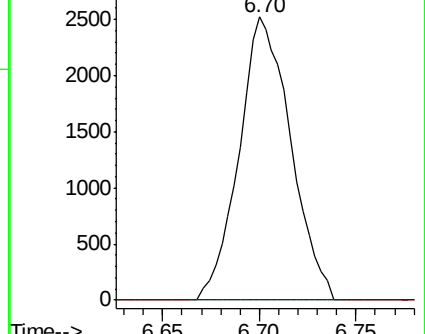
63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU041640.D (-1681) (-)

Ion 112.10 (111.80 to 112.80): VU041640.D (-1681) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.073 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU041644.D

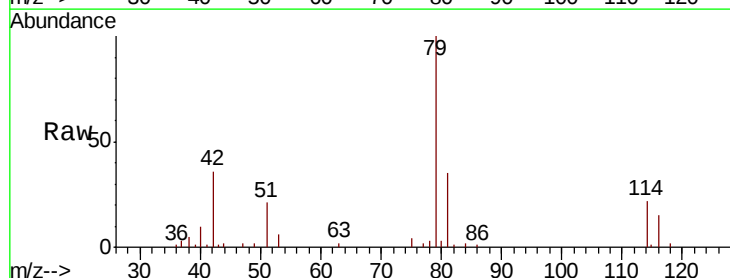
Acq: 15 Dec 2020 18:19

Tgt Ion: 75 Resp: 1019

Ion Ratio Lower Upper

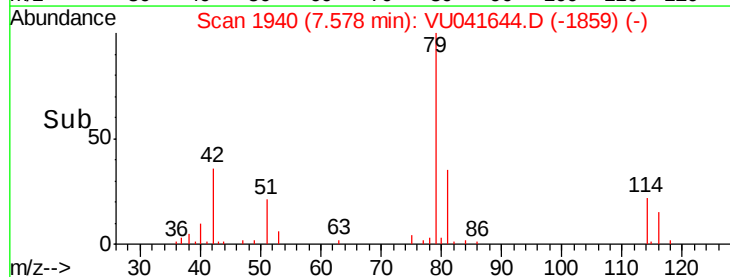
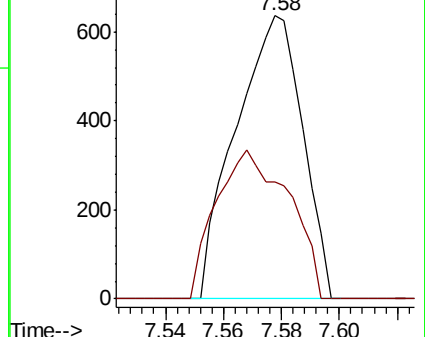
75 100

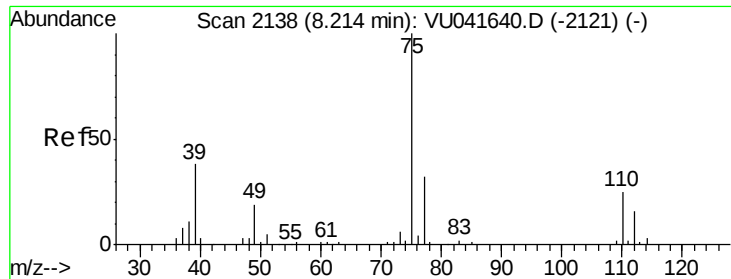
77 41.2 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VU041640.D (-1930) (-)

Ion 77.05 (76.75 to 77.75): VU041640.D (-1930) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.065 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU041644.D

Acq: 15 Dec 2020 18:19

Instrument :

MSVOA_U

ClientSampled :

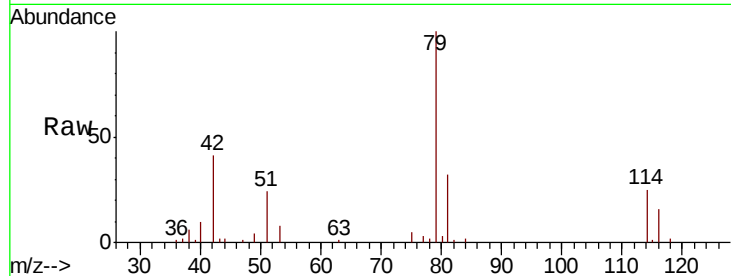
GB1H8DL

Tot Ion: 75 Resp: 808

Ion Ratio Lower Upper

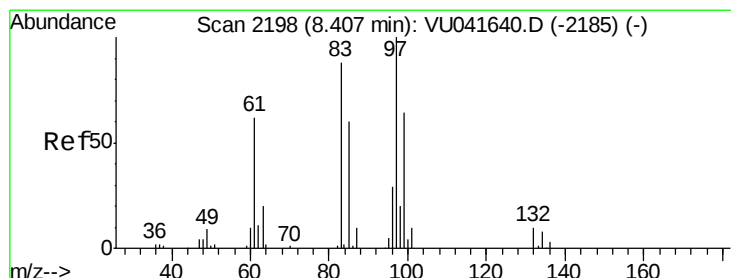
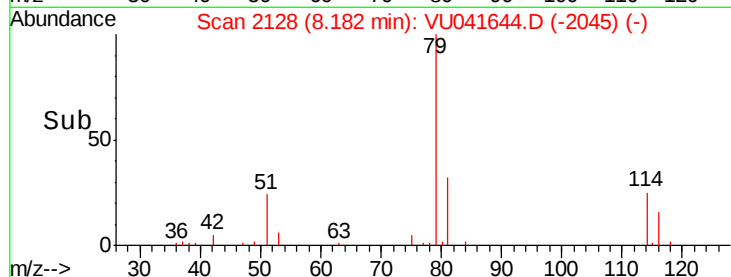
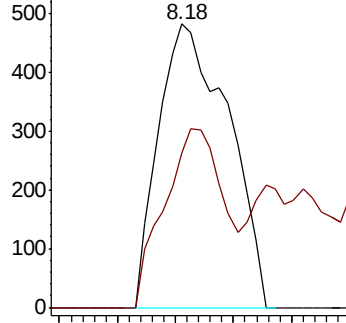
75 100

77 54.6 23.8 44.2#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#45

1,1,2-Trichloroethane

Concen: 0.055 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. 0.15 min

Lab File: VU041644.D

Acq: 15 Dec 2020 18:19

Tgt Ion: 97 Resp: 384

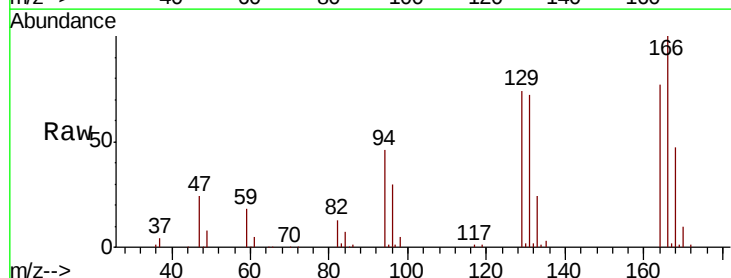
Ion Ratio Lower Upper

97 100

99 0.0 42.1 78.3#

83 257.8 62.6 116.2#

85 41.0 39.1 72.7

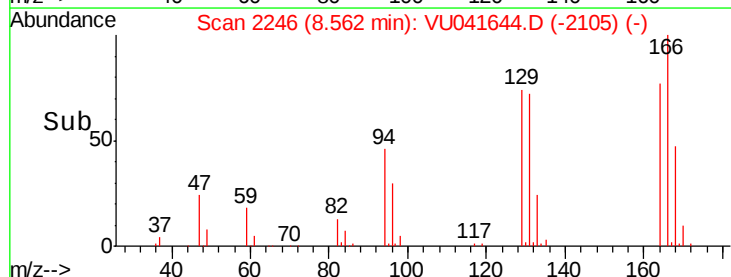
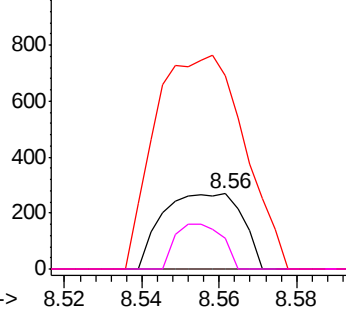


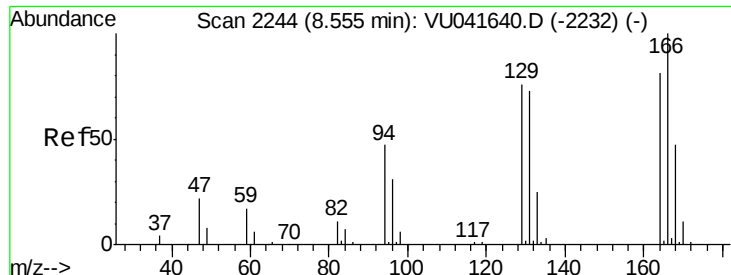
Abundance Ion 96.95 (96.65 to 97.65): VU0

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

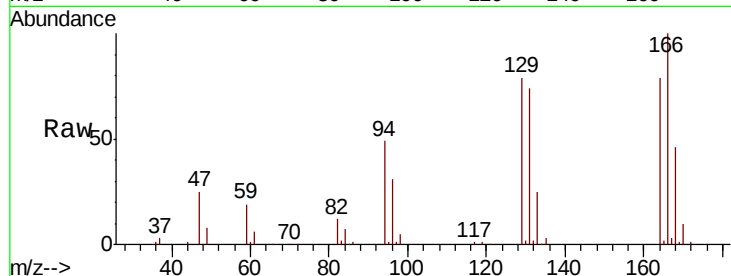




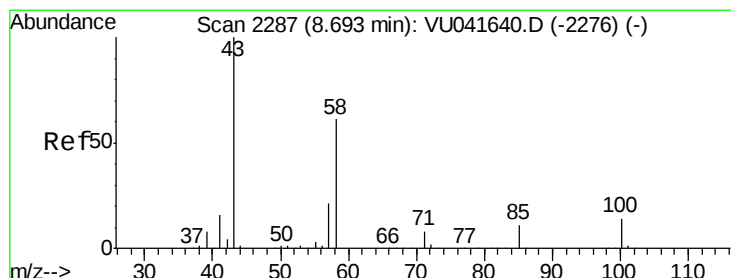
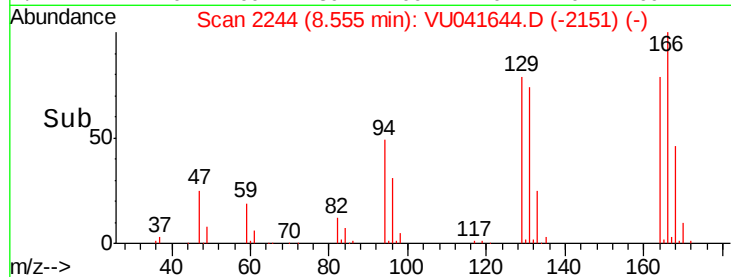
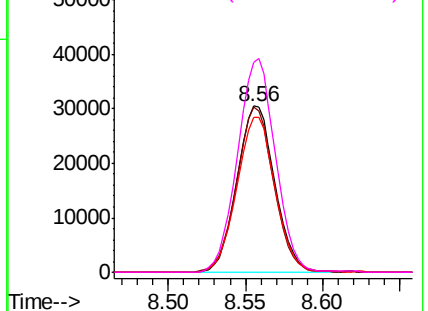
#47
Tetrachloroethene
Concen: 8.042 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VU041644.D
Acq: 15 Dec 2020 18:19

Instrument :
MSVOA_U
ClientSampleId :
GB1H8DL

Tot Ion:164 Resp: 51769
Ion Ratio Lower Upper
164 100
129 99.5 72.2 134.0
131 93.0 66.9 124.3
166 126.2 89.6 166.4

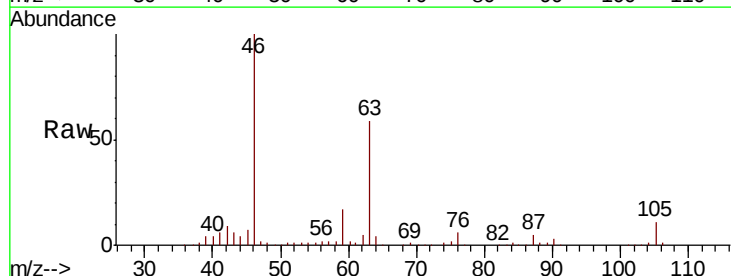


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

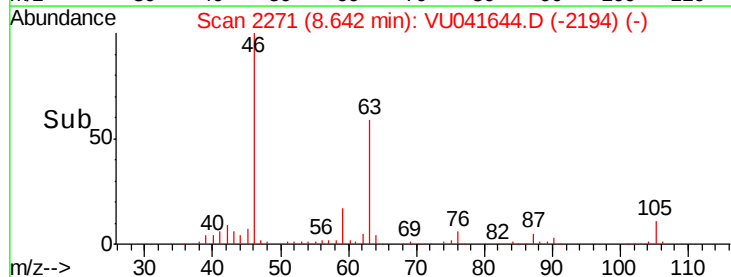
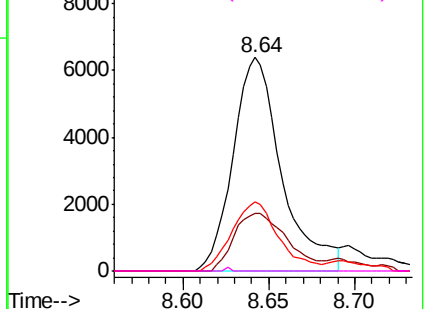


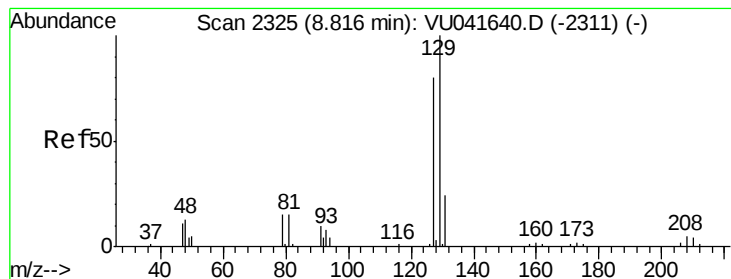
#48
2-Hexanone
Concen: 2.598 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU041644.D
Acq: 15 Dec 2020 18:19

Tgt Ion: 43 Resp: 12594
Ion Ratio Lower Upper
43 100
58 29.6 47.9 71.9#
57 31.1 16.5 24.7#
100 0.2 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: 6.267 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU041644.D

Acq: 15 Dec 2020 18:19

Instrument :

MSVOA_U

ClientSampleID :

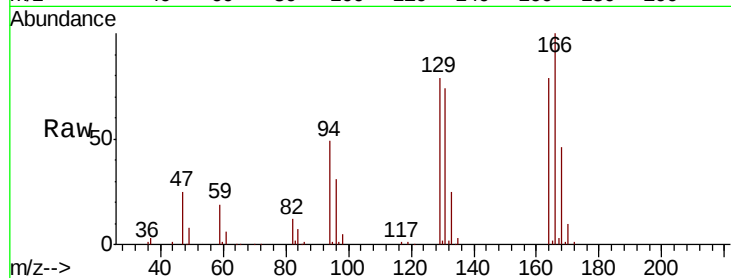
GB1H8DL

Tot Ion:129 Resp: 49832

Ion Ratio Lower Upper

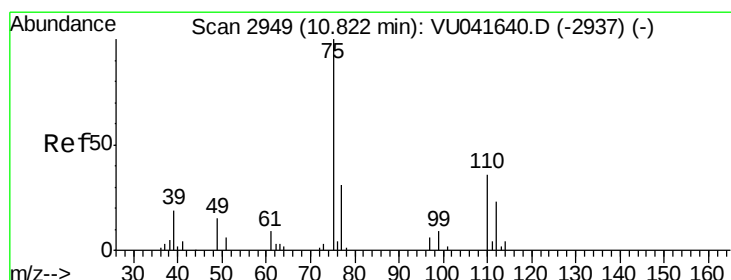
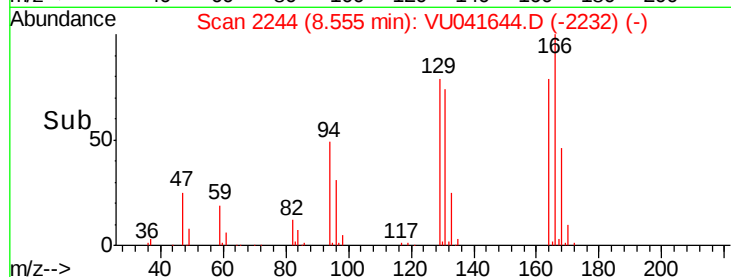
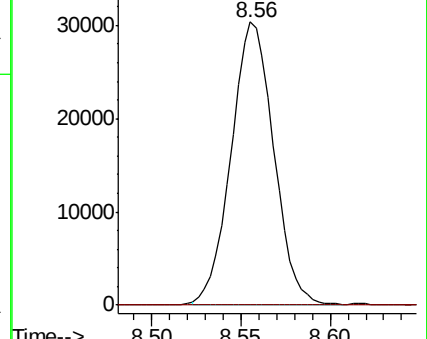
129 100

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: 0.788 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041644.D

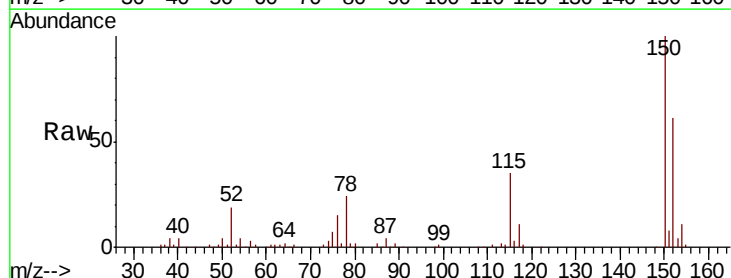
Acq: 15 Dec 2020 18:19

Tgt Ion: 75 Resp: 5537

Ion Ratio Lower Upper

75 100

77 33.6 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

