

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121520\
 Data File : VU041636.D
 Acq On : 15 Dec 2020 15:07
 Operator : SY/MD
 Sample : L5027-10 20X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB1J1

Quant Time: Dec 16 02:46:48 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	108299	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	105299	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	47665	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	29796	3.52	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.40%
7) Chloroethane-d5	1.92	69	29668	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.60%
11) 1,1-Dichloroethene-d2	2.58	63	50528	3.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.80%
20) 2-Butanone-d5	4.66	46	147039	60.46	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.92%
24) Chloroform-d	5.08	84	74455	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
26) 1,2-Dichloroethane-d4	5.72	65	45604	5.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.80%
32) Benzene-d6	5.74	84	137145	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
36) 1,2-Dichloropropane-d6	6.70	67	46148	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	7.90	98	120760	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.80%
43) trans-1,3-Dichloropropene-	8.19	79	19381	4.56	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.20%
46) 2-Hexanone-d5	8.64	63	112309	48.33	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.66%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	47738	5.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	47239	5.57	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.40%

Target Compounds

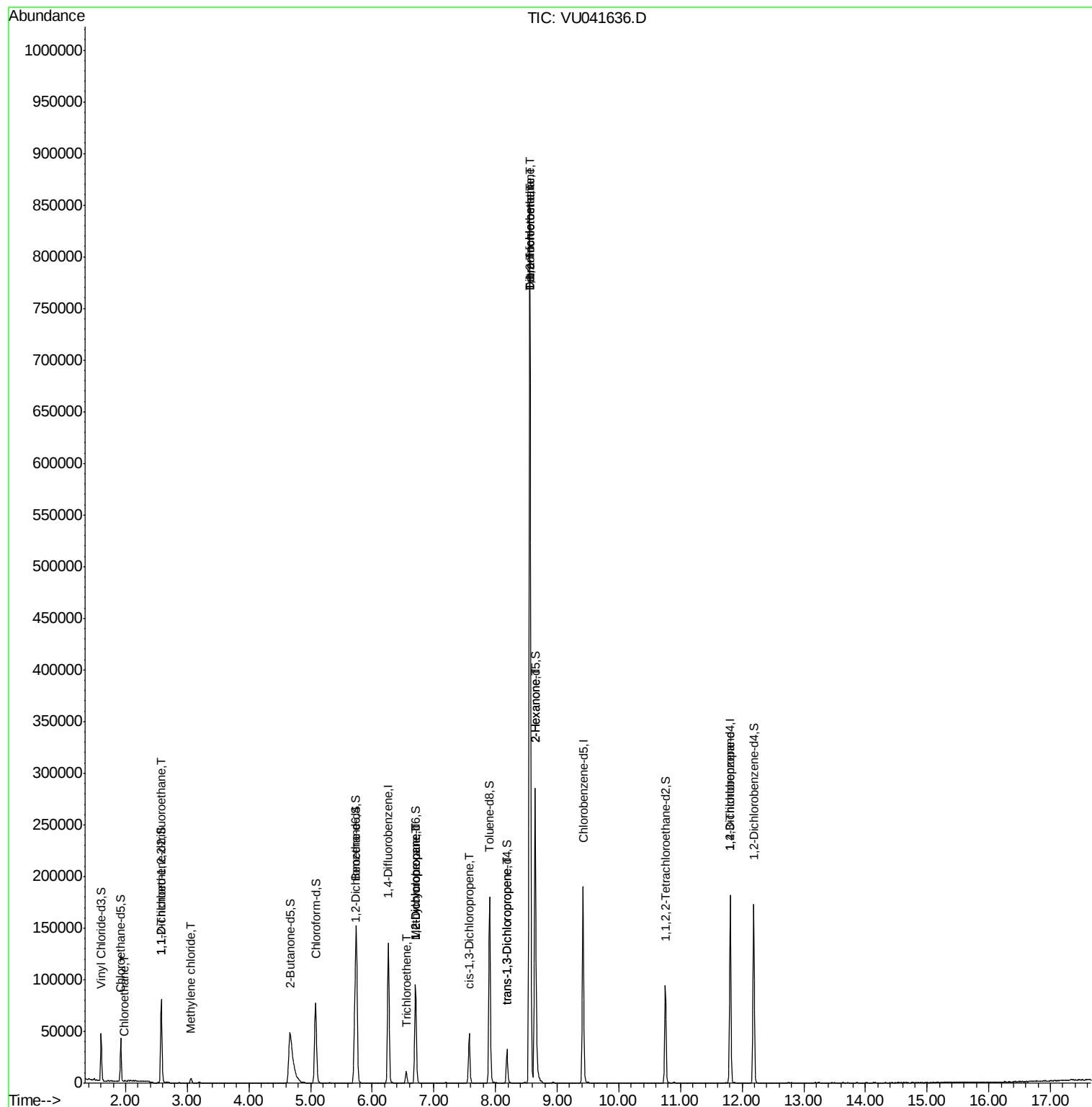
					Ovalue
8) Chloroethane	1.97	64	456	0.068 ug/L #	44
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	494	0.066 ug/L #	22
16) Methylene chloride	3.06	84	2519	0.287 ug/L	80
34) Trichloroethene	6.56	95	3569	0.422 ug/L	92
35) Methylcyclohexane	6.70	83	10841	0.793 ug/L #	19
37) 1,2-Dichloropropane	6.70	63	5050	0.586 ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1004	0.079 ug/L #	51
44) trans-1,3-Dichloropropene	8.18	75	611	0.054 ug/L #	81
45) 1,1,2-Trichloroethane	8.56	97	1556	0.244 ug/L #	7
47) Tetrachloroethene	8.56	164	185545	31.321 ug/L	99
48) 2-Hexanone	8.64	43	12563	2.816 ug/L #	65
49) Dibromochloromethane	8.56	129	186356	25.469 ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	5687	0.879 ug/L	95

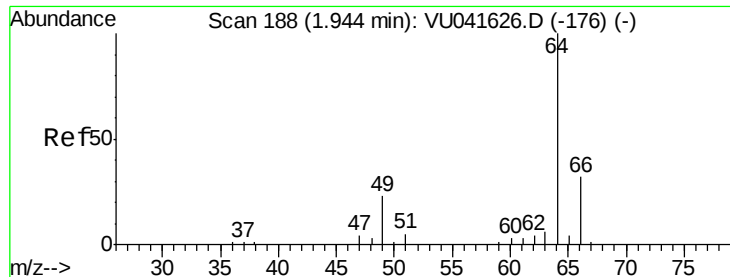
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 16 02:41:48 2020
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.068 ug/L

RT: 1.97 min Scan# 196

Delta R.T. 0.03 min

Lab File: VU041636.D

Acq: 15 Dec 2020 15:07

Instrument :

MSVOA_U

ClientSampled :

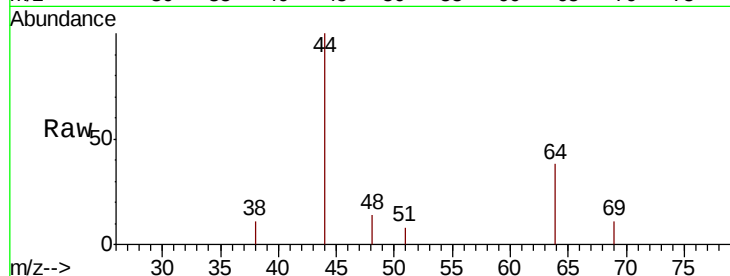
GB1J1

Tot Ion: 64 Resp: 456

Ion Ratio Lower Upper

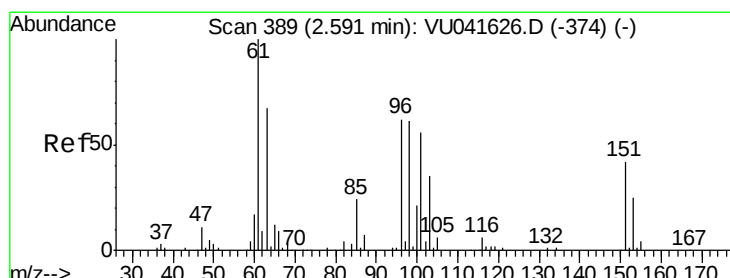
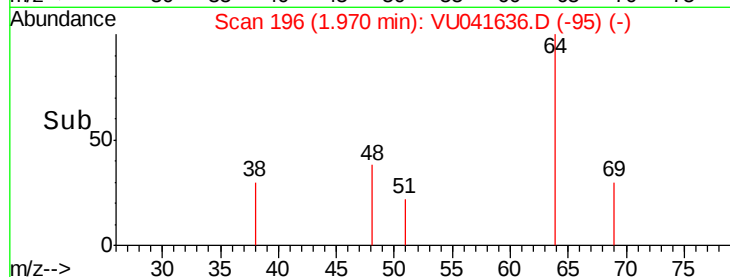
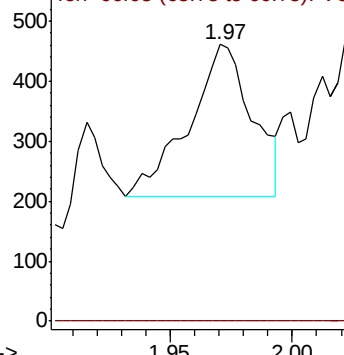
64 100

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



#10

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

Concen: 0.066 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041636.D

Acq: 15 Dec 2020 15:07

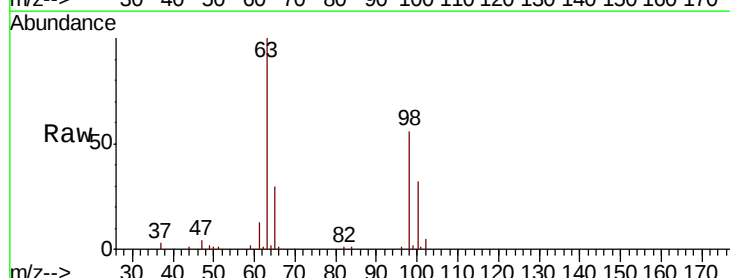
Tgt Ion: 101 Resp: 494

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

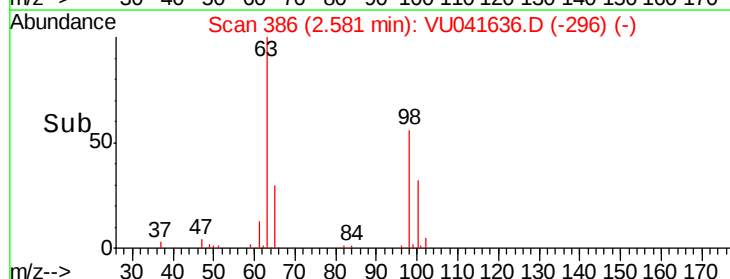
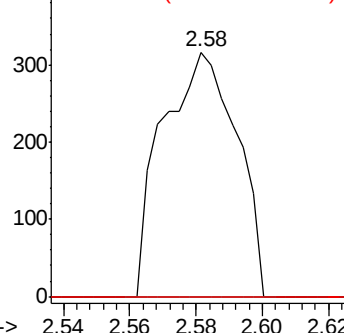
151 0.0 56.2 84.4#

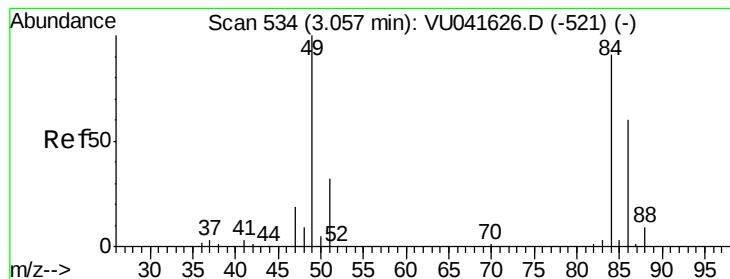


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#16

Methvlene chloride

Concen: 0.287 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041636.D

Acq: 15 Dec 2020 15:07

Instrument :

MSVOA_U

ClientSampleId :

GB1J1

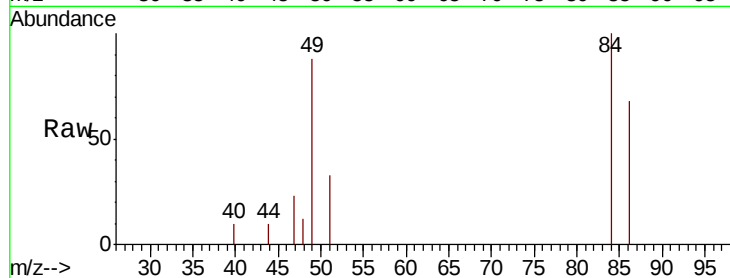
Tot Ion: 84 Resp: 2519

Ion Ratio Lower Upper

84 100

86 67.9 45.1 83.7

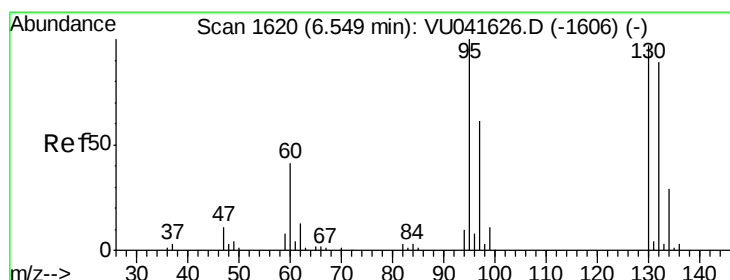
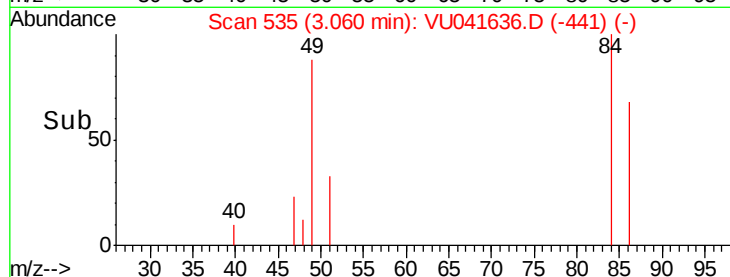
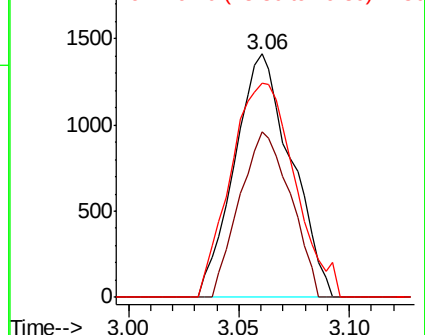
49 87.7 83.1 154.3



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



#34

Trichloroethene

Concen: 0.422 ug/L

RT: 6.56 min Scan# 1623

Delta R.T. 0.01 min

Lab File: VU041636.D

Acq: 15 Dec 2020 15:07

Tgt Ion: 95 Resp: 3569

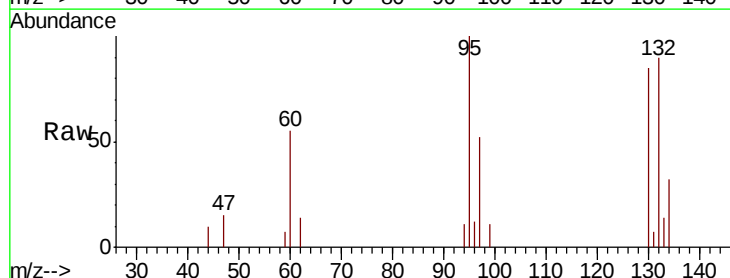
Ion Ratio Lower Upper

95 100

97 51.8 43.9 81.5

132 90.2 63.1 117.3

130 85.2 67.4 125.2

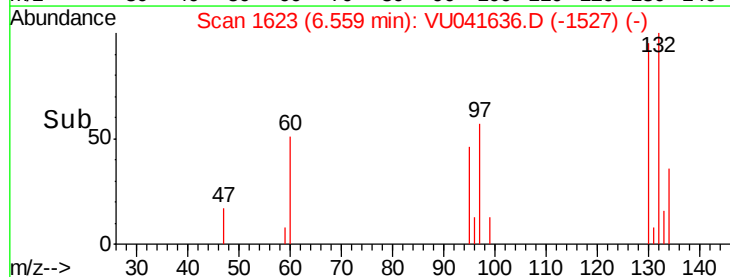
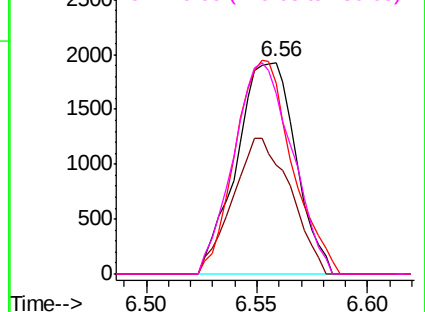


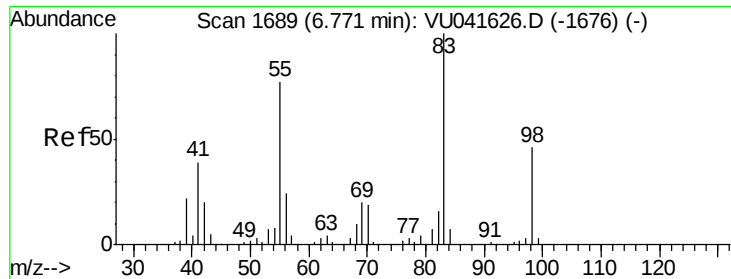
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

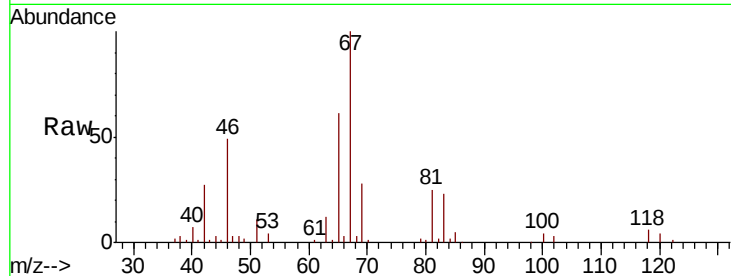




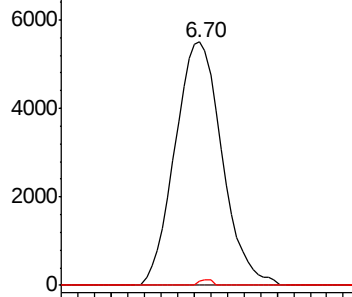
#35
Methvlcvclohexane
Concen: 0.793 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041636.D
Acq: 15 Dec 2020 15:07

Instrument :
MSVOA_U
ClientSampleId :
GB1J1

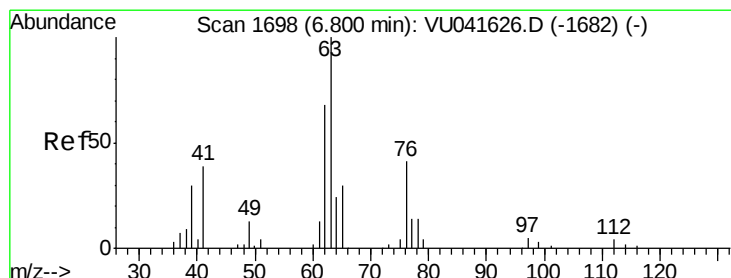
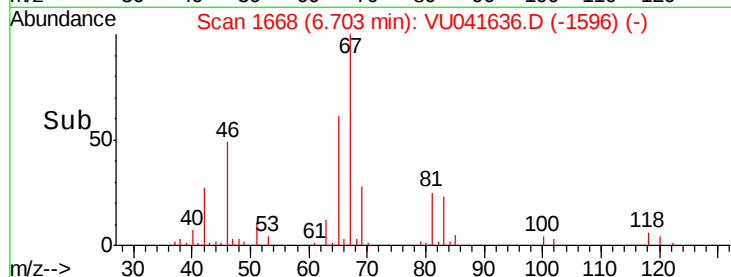
Tot Ion	Ratio	Lower	Upper
83	100		
55	0.0	61.2	91.8#
98	0.6	36.6	54.8#



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

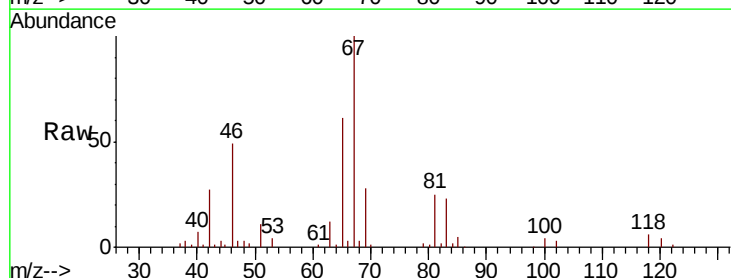


Time-->

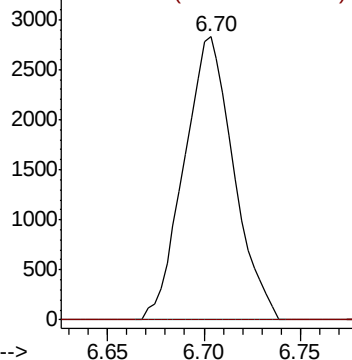


#37
1,2-Dichloropropane
Concen: 0.586 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041636.D
Acq: 15 Dec 2020 15:07

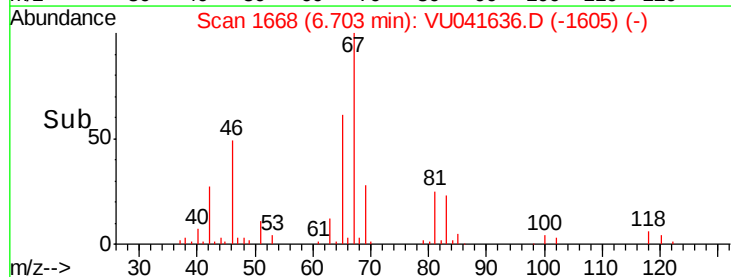
Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.1	4.7#

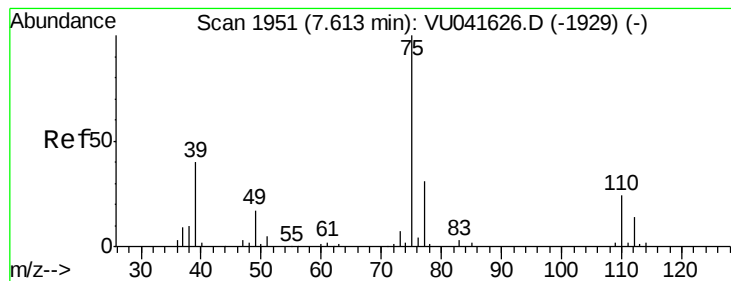


Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V



Time-->



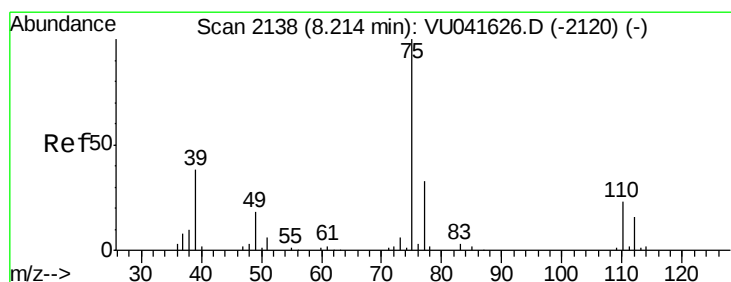
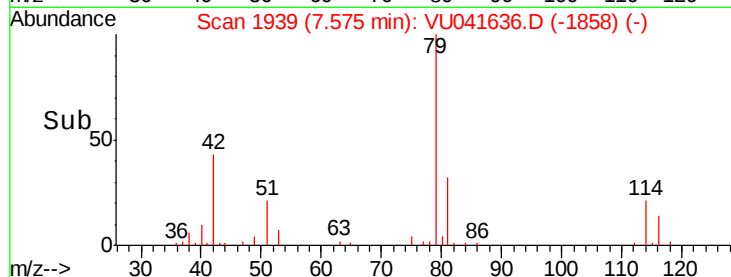
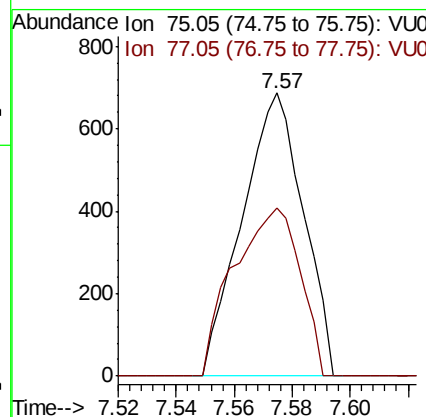
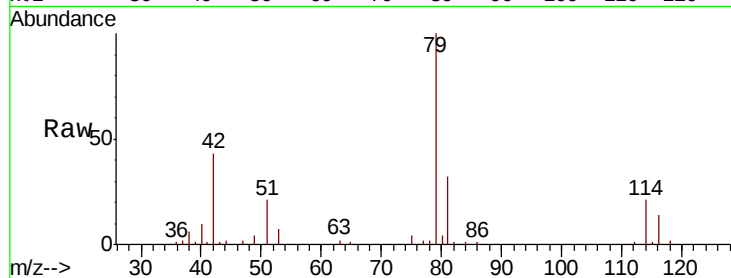


#39

cis-1,3-Dichloropropene
 Concen: 0.079 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041636.D
 Acq: 15 Dec 2020 15:07

Instrument :
 MSVOA_U
 ClientSampleId :
 GB1J1

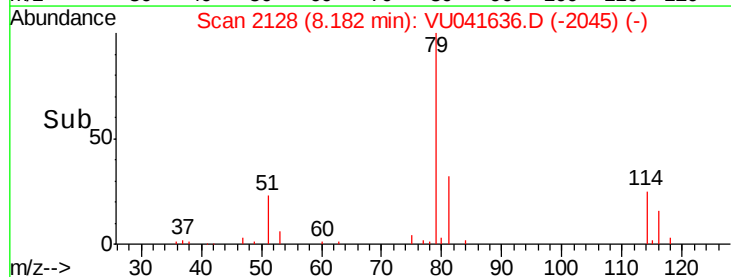
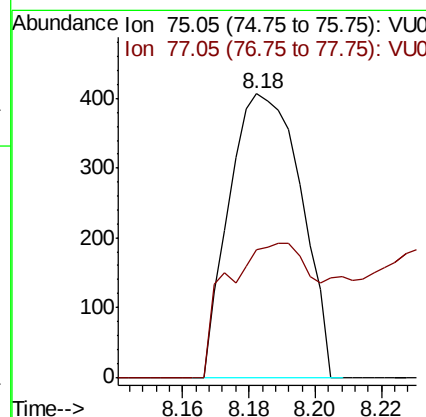
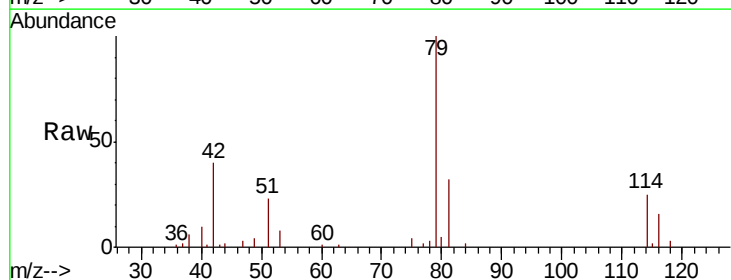
Tot Ion: 75 Resp: 1004
 Ion Ratio Lower Upper
 75 100
 77 59.2 22.3 41.3#

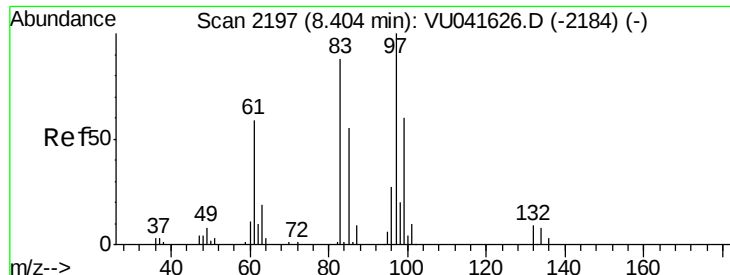


#44

trans-1,3-Dichloropropene
 Concen: 0.054 ug/L
 RT: 8.18 min Scan# 2128
 Delta R.T. -0.03 min
 Lab File: VU041636.D
 Acq: 15 Dec 2020 15:07

Tgt Ion: 75 Resp: 611
 Ion Ratio Lower Upper
 75 100
 77 44.7 23.8 44.2#

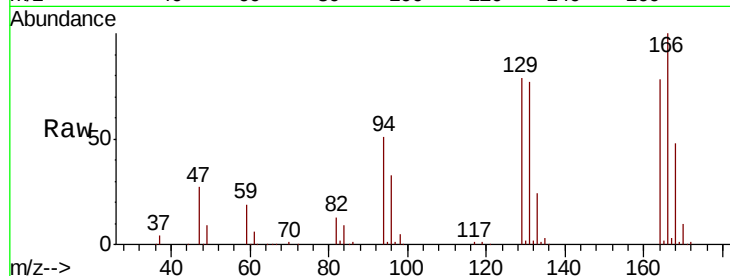




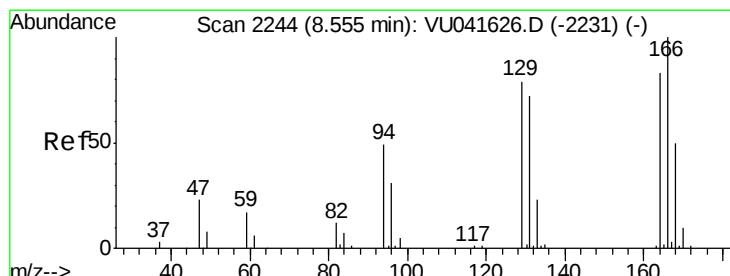
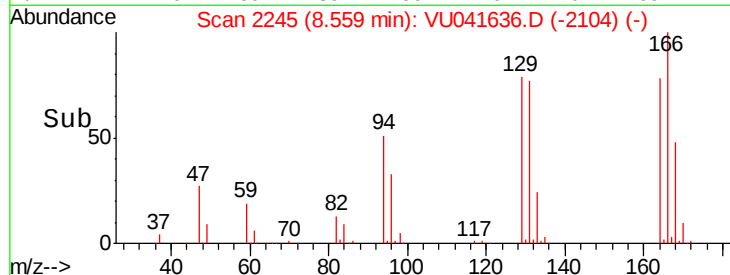
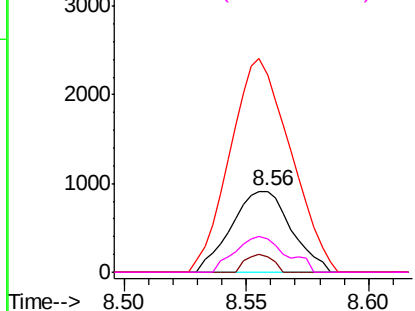
#45
 1,1,2-Trichloroethane
 Concen: 0.244 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.15 min
 Lab File: VU041636.D
 Acq: 15 Dec 2020 15:07

Instrument :
 MSVOA_U
 ClientSampleId :
 GB1J1

Tot Ion: 97 Resp: 1556
 Ion Ratio Lower Upper
 97 100
 99 19.1 42.1 78.3#
 83 243.7 62.6 116.2#
 85 40.8 39.1 72.7

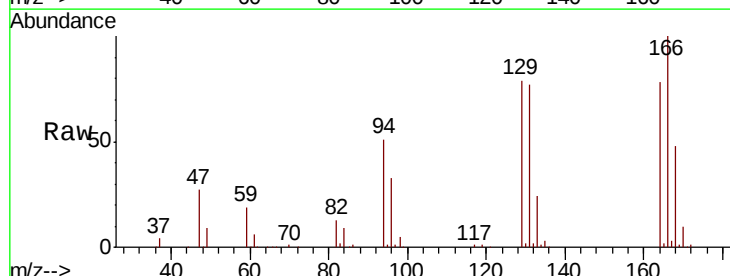


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

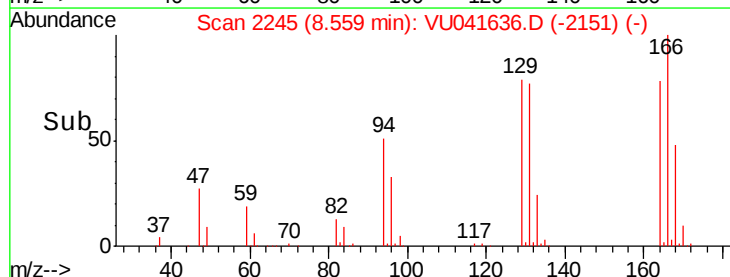
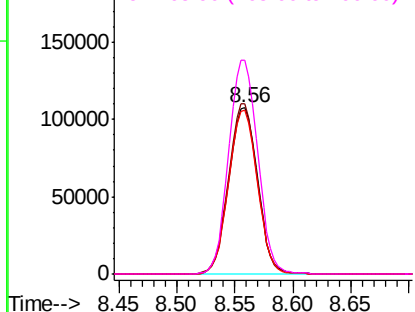


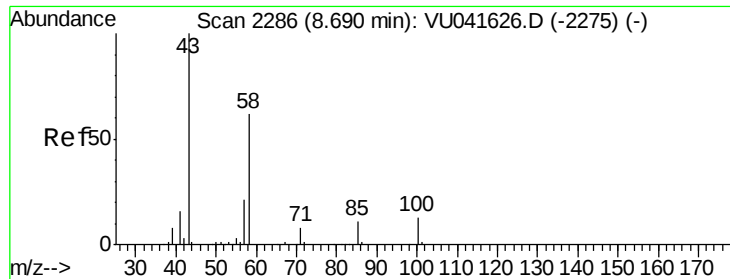
#47
 Tetrachloroethene
 Concen: 31.321 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU041636.D
 Acq: 15 Dec 2020 15:07

Tgt Ion:164 Resp: 185545
 Ion Ratio Lower Upper
 164 100
 129 102.1 72.2 134.0
 131 98.4 66.9 124.3
 166 128.5 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

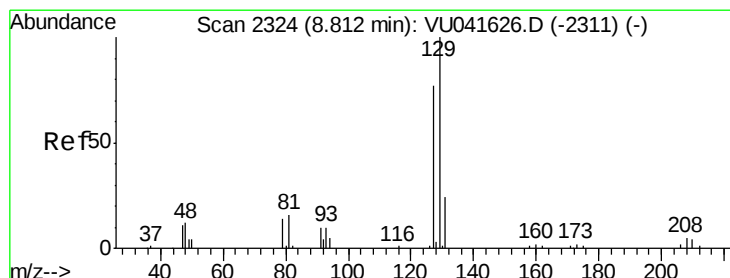
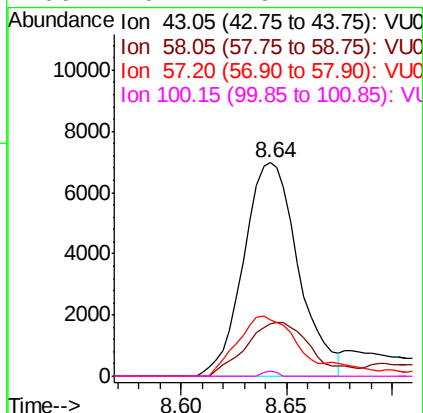
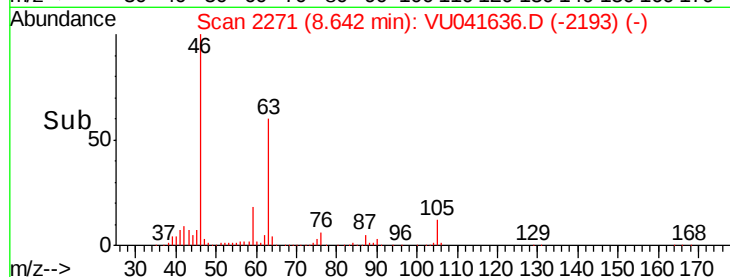
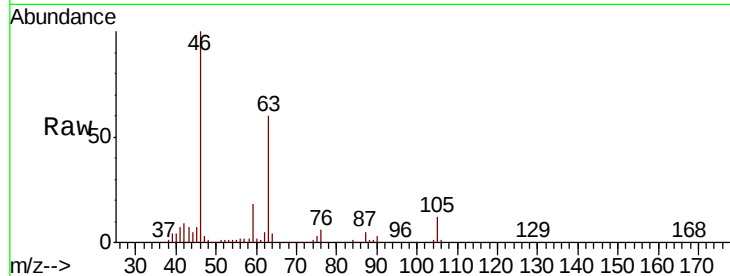




#48
2-Hexanone
Concen: 2.816 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU041636.D
Acq: 15 Dec 2020 15:07

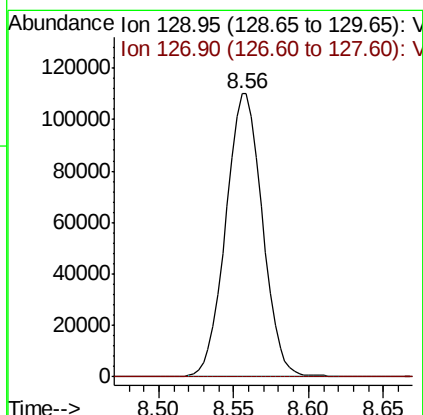
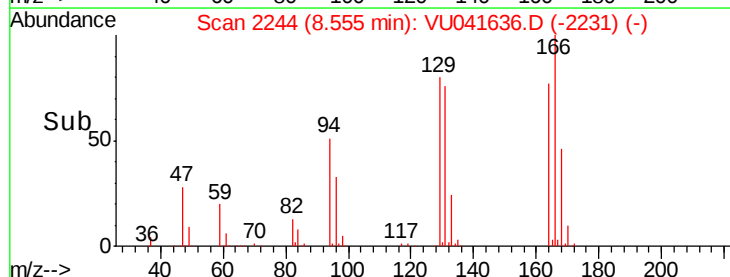
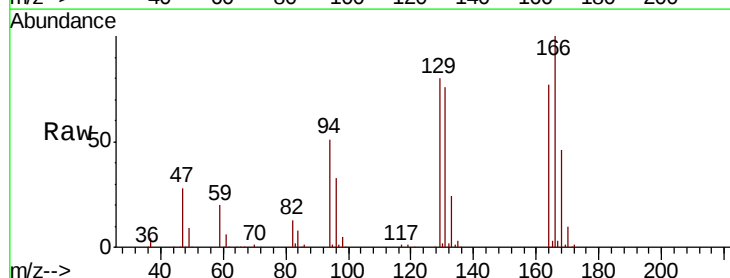
Instrument :
MSVOA_U
ClientSampleId :
GB1J1

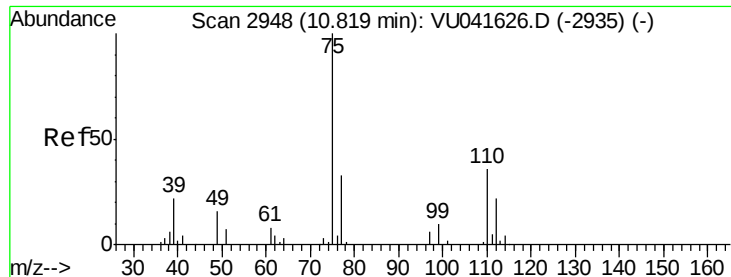
Tot Ion: 43 Resp: 12563
Ion Ratio Lower Upper
43 100
58 30.3 47.9 71.9#
57 33.9 16.5 24.7#
100 0.7 9.4 14.2#



#49
Dibromochloromethane
Concen: 25.469 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU041636.D
Acq: 15 Dec 2020 15:07

Tgt Ion: 129 Resp: 186356
Ion Ratio Lower Upper
129 100
127 0.1 54.7 101.7#





#59

1,2,3-Trichloropropane

Concen: 0.879 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041636.D

Acq: 15 Dec 2020 15:07

Instrument :

MSVOA_U

ClientSampleId :

GB1J1

Tot Ion: 75 Resp: 5687

Ion Ratio Lower Upper

75 100

77 35.4 26.2 39.2

