

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122320\
 Data File : VU041782.D
 Acq On : 23 Dec 2020 15:03
 Operator : SY/MD
 Sample : L5161-19DL 50X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB244DL

Quant Time: Dec 24 01:11:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Dec 24 01:08:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	132097	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	116057	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	54668	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	39198	3.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.00%
7) Chloroethane-d5	1.92	69	41837	5.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.60%
11) 1,1-Dichloroethene-d2	2.58	63	57961	3.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.00%
20) 2-Butanone-d5	4.66	46	186303	62.80	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.60%
24) Chloroform-d	5.08	84	92571	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.60%
26) 1,2-Dichloroethane-d4	5.72	65	55477	5.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.60%
32) Benzene-d6	5.74	84	179522	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.00%
36) 1,2-Dichloropropane-d6	6.70	67	57746	5.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.80%
41) Toluene-d8	7.90	98	124206	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.80%
43) trans-1,3-Dichloropropene-	8.19	79	22002	4.70	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.00%
46) 2-Hexanone-d5	8.64	63	136856	53.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.88%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	54116	5.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	51672	5.32	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.40%

Target Compounds

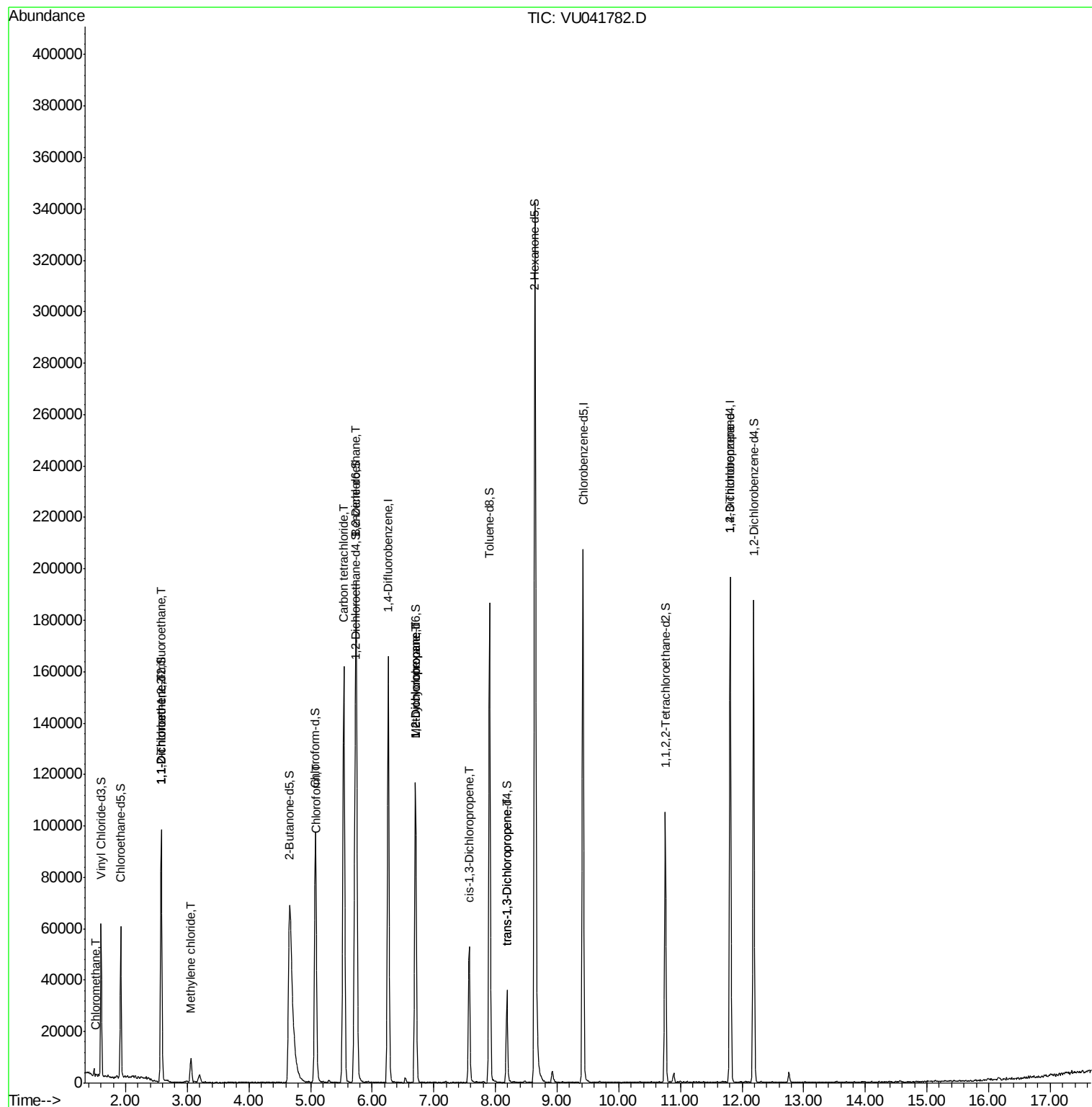
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.52	50	592	0.054	ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	615	0.068	ug/L #	22
12) 1,1-Dichloroethene	2.58	96	496	0.055	ug/L #	1
16) Methylene chloride	3.06	84	5025	0.470	ug/L	79
25) Chloroform	5.10	83	1296	0.074	ug/L	93
27) 1,2-Dichloroethane	5.75	62	531	0.045	ug/L #	73
31) Carbon tetrachloride	5.54	117	114076	9.899	ug/L	98
35) Methylcyclohexane	6.70	83	12556	0.833	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	6468	0.681	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1308	0.093	ug/L #	51
44) trans-1,3-Dichloropropene	8.18	75	783	0.062	ug/L #	82
59) 1,2,3-Trichloropropane	11.81	75	6779	0.951	ug/L	98

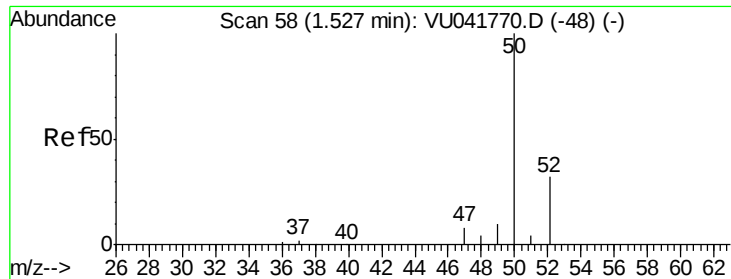
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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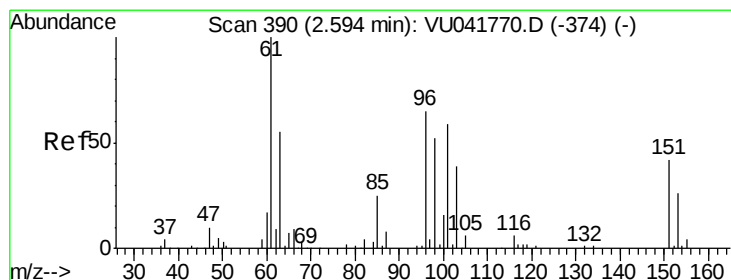
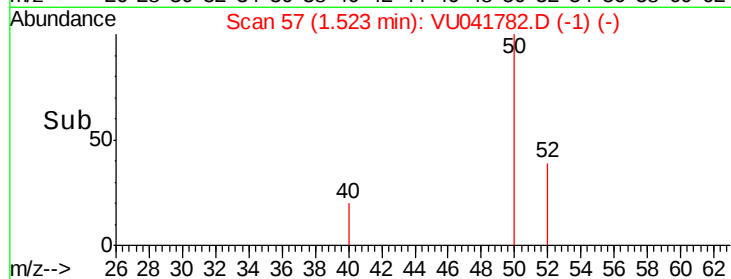
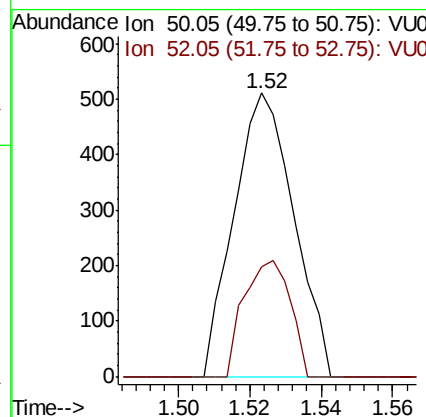
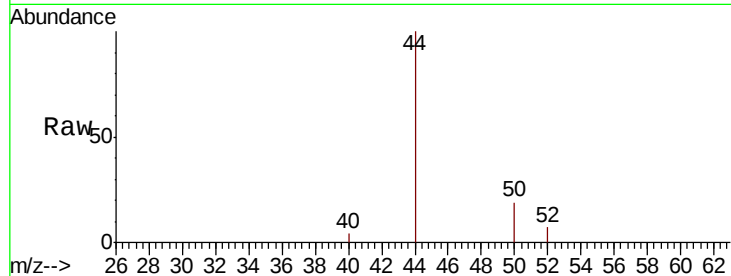




#3
Chloromethane
Concen: 0.054 ug/L
RT: 1.52 min Scan# 57
Delta R.T. -0.00 min
Lab File: VU041782.D
Acq: 23 Dec 2020 15:03

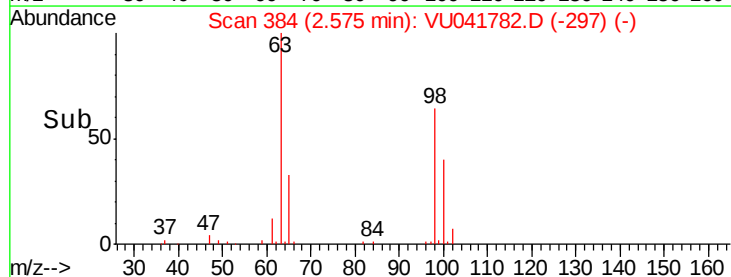
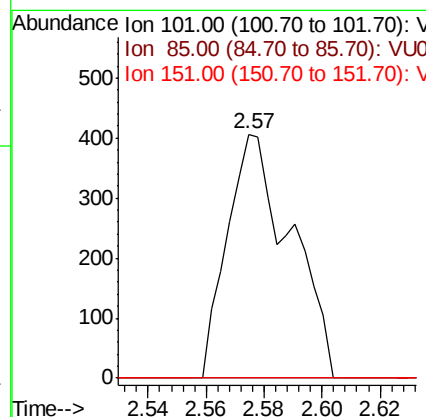
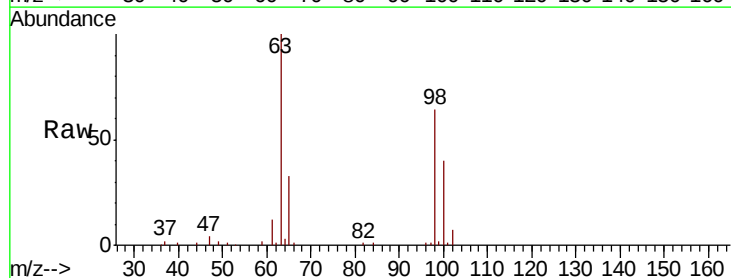
Instrument :
MSVOA_U
ClientSampled :
GB244DL

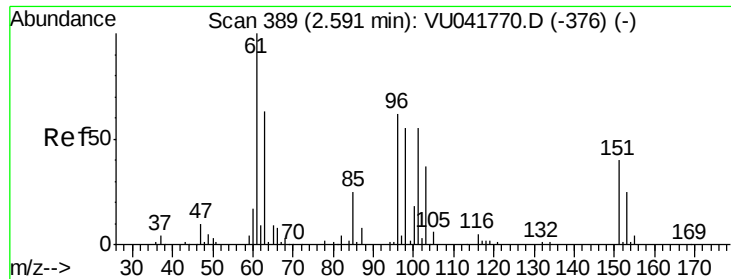
Tot Ion: 50 Resp: 592
Ion Ratio Lower Upper
50 100
52 38.7 24.1 44.8



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.068 ug/L
RT: 2.57 min Scan# 384
Delta R.T. -0.02 min
Lab File: VU041782.D
Acq: 23 Dec 2020 15:03

Tgt Ion: 101 Resp: 615
Ion Ratio Lower Upper
101 100
85 0.0 33.6 50.4#
151 0.0 56.2 84.4#





#12

1,1-Dichloroethene

Concen: 0.055 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041782.D

Acq: 23 Dec 2020 15:03

Instrument :

MSVOA_U

ClientSampleID :

GB244DL

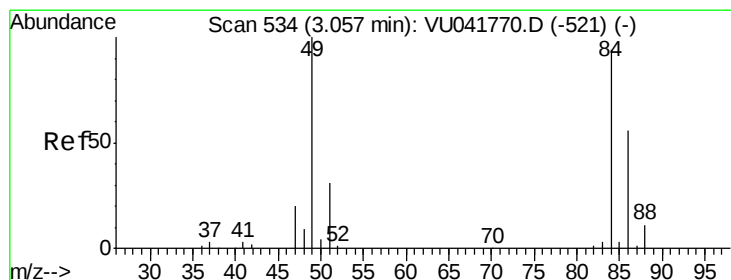
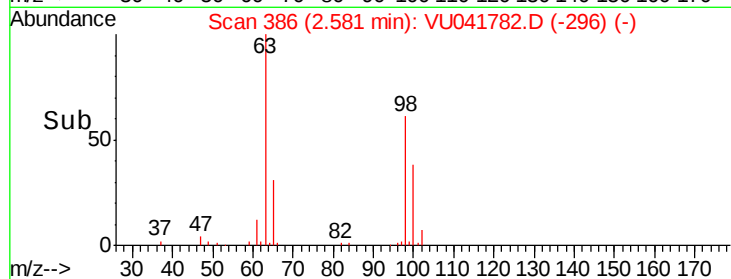
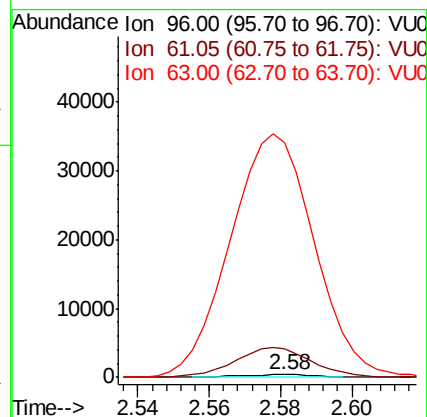
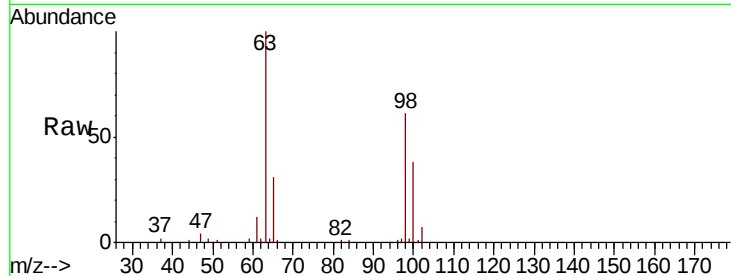
Tot Ion: 96 Resp: 496

Ion Ratio Lower Upper

96 100

61 1034.8 123.8 230.0#

63 8485.6 81.0 150.4#



#16

Methylene chloride

Concen: 0.470 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.01 min

Lab File: VU041782.D

Acq: 23 Dec 2020 15:03

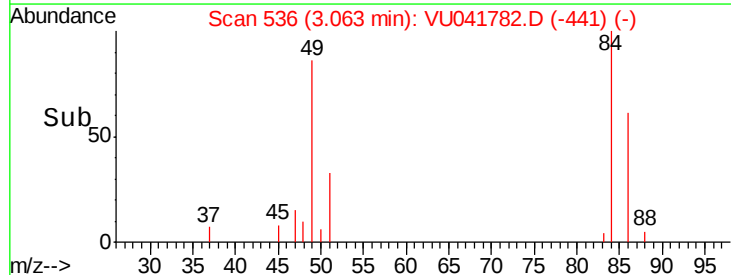
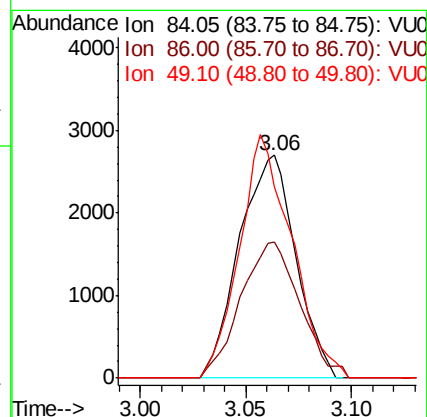
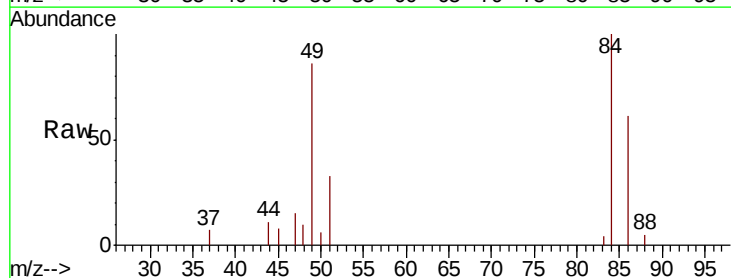
Tgt Ion: 84 Resp: 5025

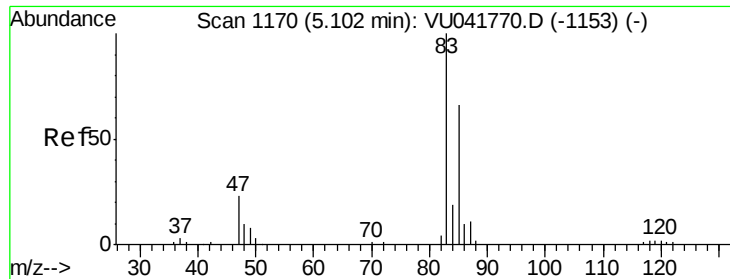
Ion Ratio Lower Upper

84 100

86 61.2 45.1 83.7

49 86.0 83.1 154.3

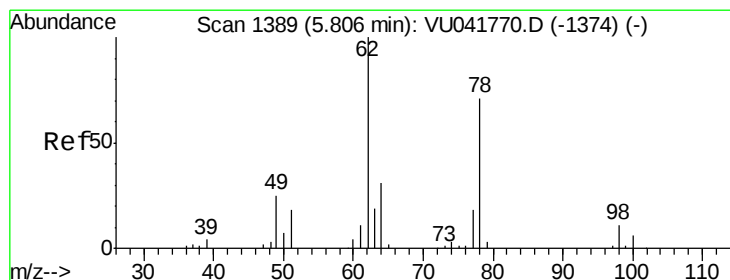
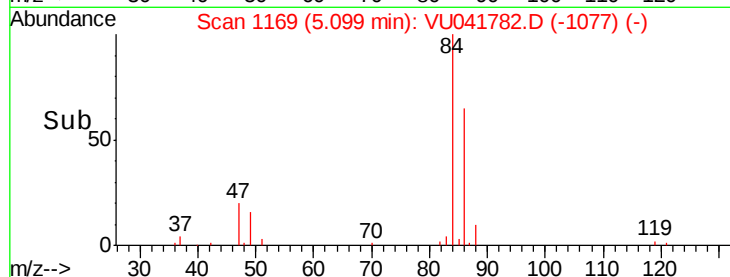
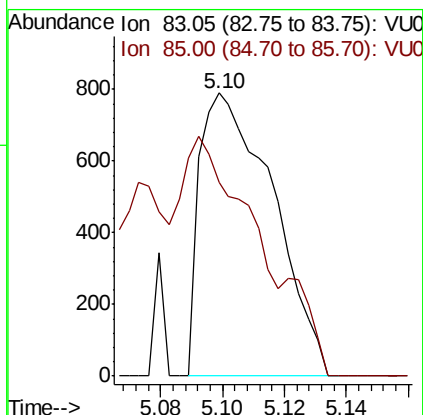
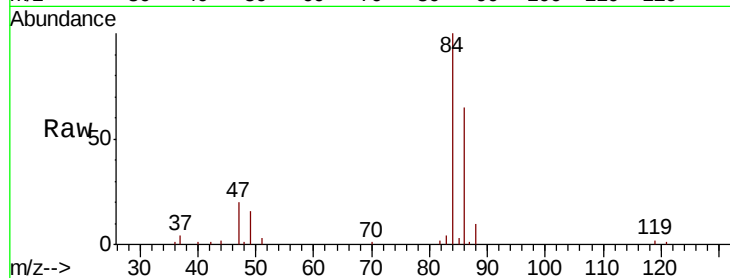




#25
Chloroform
Concen: 0.074 ug/L
RT: 5.10 min Scan# 1169
Delta R.T. -0.00 min
Lab File: VU041782.D
Acq: 23 Dec 2020 15:03

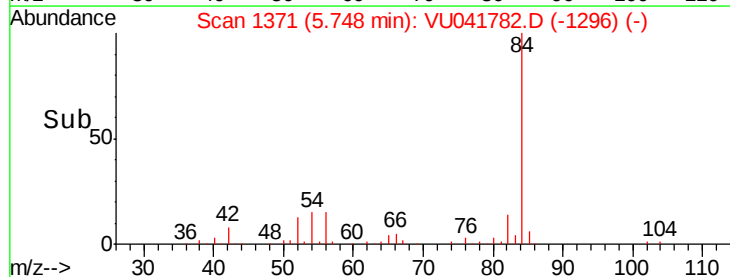
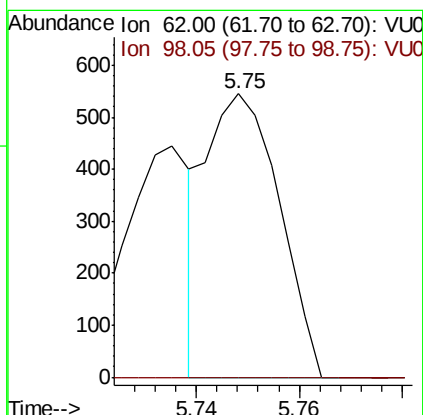
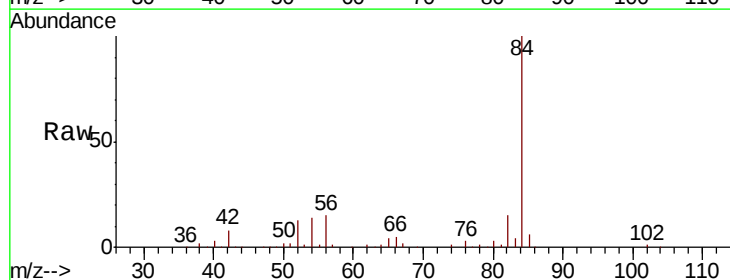
Instrument :
MSVOA_U
ClientSampleId :
GB244DL

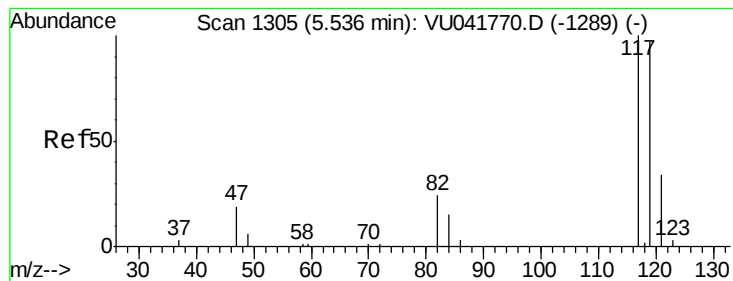
Tot Ion: 83 Resp: 1296
Ion Ratio Lower Upper
83 100
85 68.4 44.2 82.0



#27
1,2-Dichloroethane
Concen: 0.045 ug/L
RT: 5.75 min Scan# 1371
Delta R.T. -0.06 min
Lab File: VU041782.D
Acq: 23 Dec 2020 15:03

Tgt Ion: 62 Resp: 531
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.2#





#31

Carbon tetrachloride

Concen: 9.899 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU041782.D

Acq: 23 Dec 2020 15:03

Instrument :

MSVOA_U

ClientSampled :

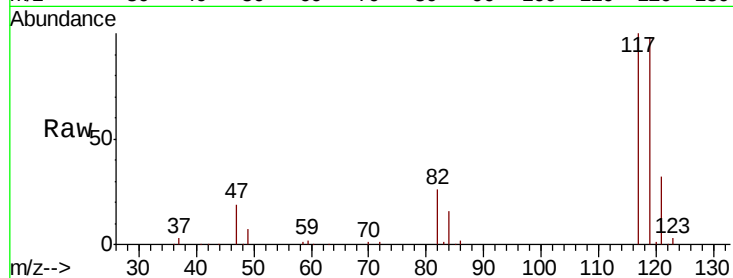
GB244DL

Tot Ion:117 Resp: 114076

Ion Ratio Lower Upper

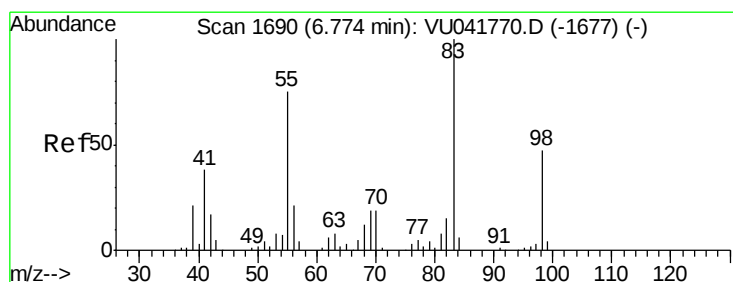
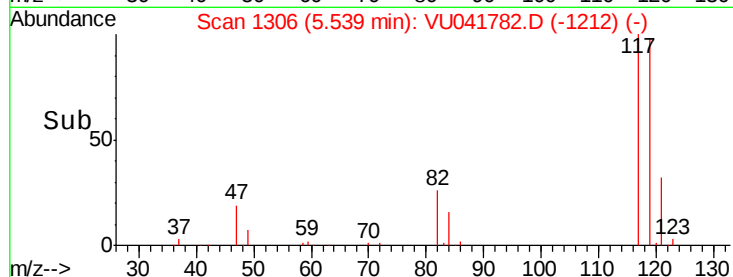
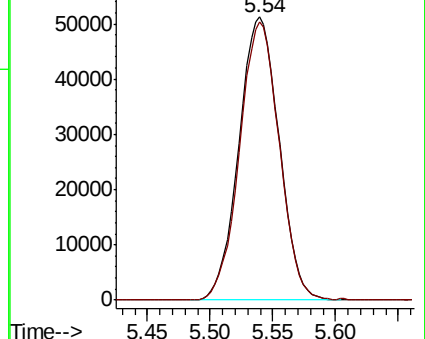
117 100

119 96.9 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#35

Methylcyclohexane

Concen: 0.833 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU041782.D

Acq: 23 Dec 2020 15:03

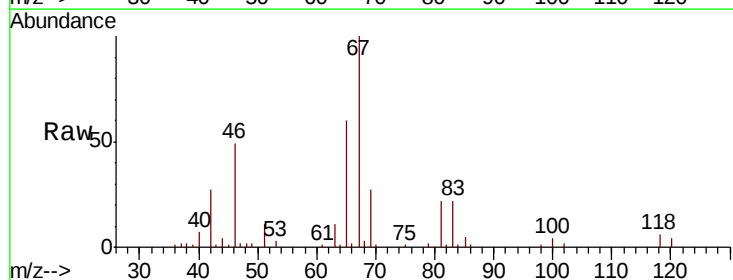
Tgt Ion: 83 Resp: 12556

Ion Ratio Lower Upper

83 100

55 0.0 61.2 91.8#

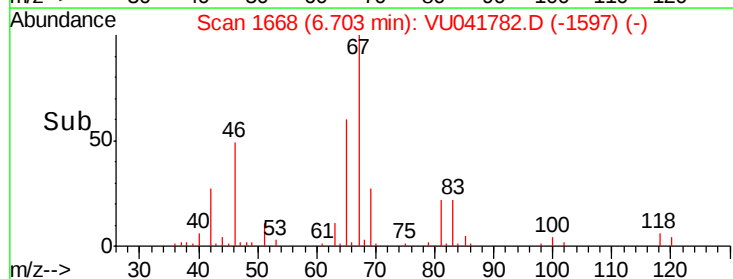
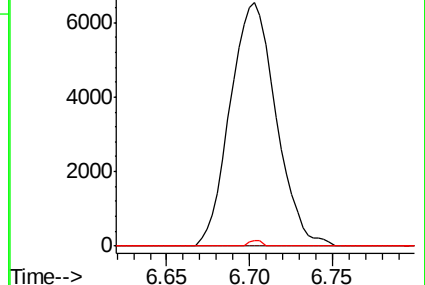
98 0.6 36.6 54.8#

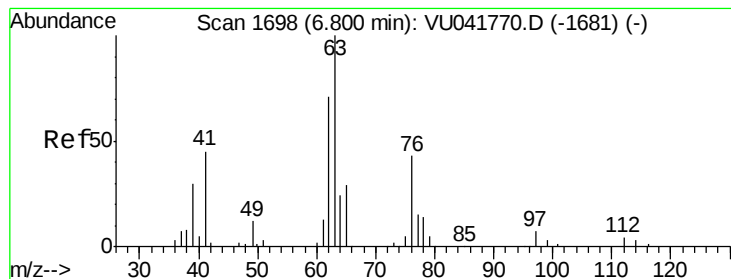


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.681 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.10 min

Lab File: VU041782.D

Acq: 23 Dec 2020 15:03

Instrument :

MSVOA_U

ClientSampleId :

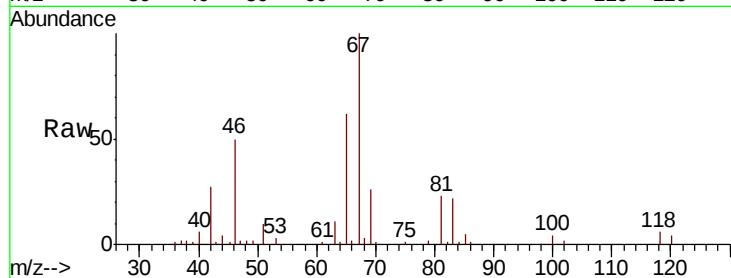
GB244DL

Tot Ion: 63 Resp: 6468

Ion Ratio Lower Upper

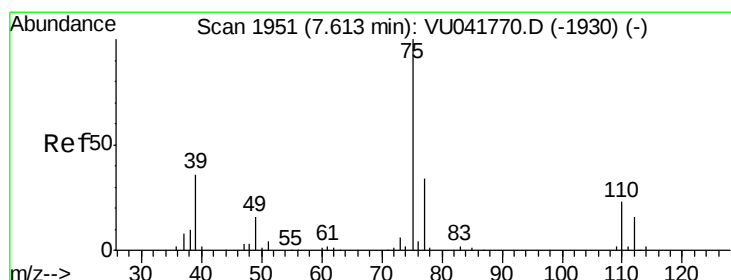
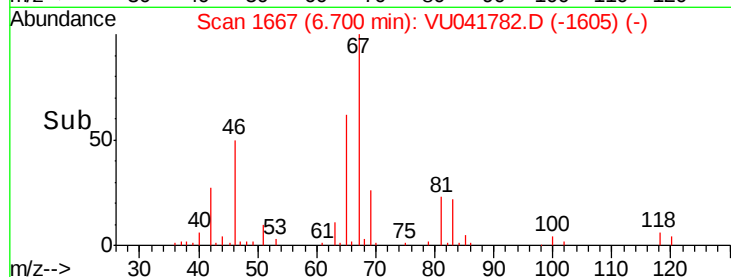
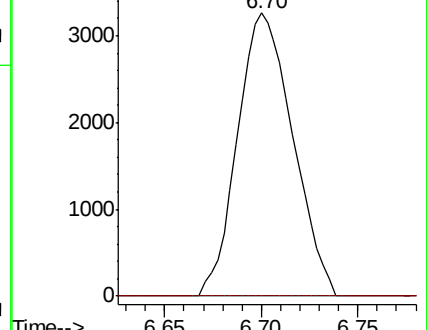
63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU041770.D (-1681) (-)

Ion 112.10 (111.80 to 112.80): VU041770.D (-1681) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.093 ug/L

RT: 7.57 min Scan# 1938

Delta R.T. -0.04 min

Lab File: VU041782.D

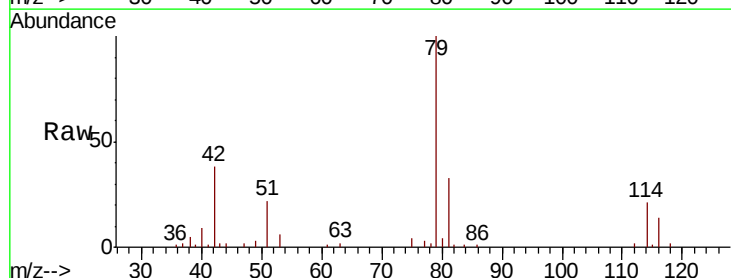
Acq: 23 Dec 2020 15:03

Tgt Ion: 75 Resp: 1308

Ion Ratio Lower Upper

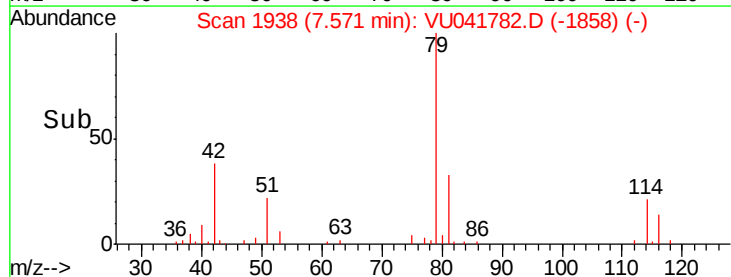
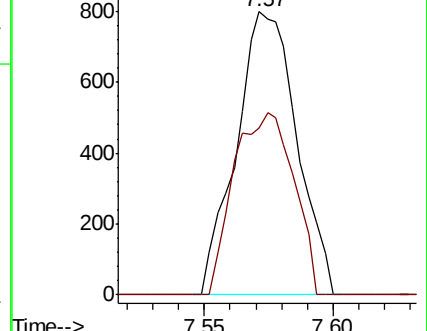
75 100

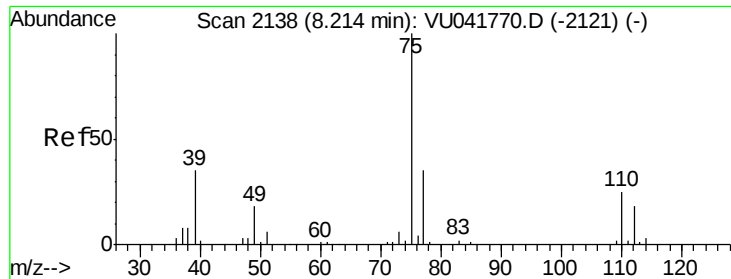
77 59.0 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU041770.D (-1930) (-)

Ion 77.05 (76.75 to 77.75): VU041770.D (-1930) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.062 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU041782.D

Acq: 23 Dec 2020 15:03

Instrument :

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ClientSampleId :

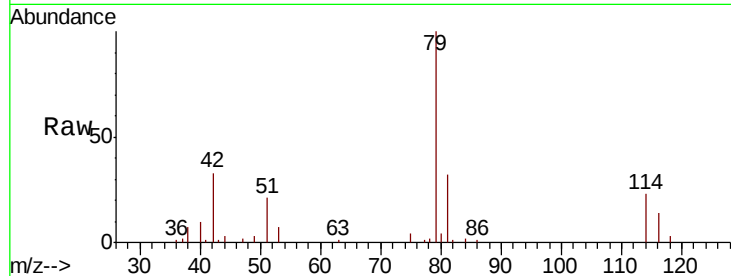
GB244DL

Tot Ion: 75 Resp: 783

Ion Ratio Lower Upper

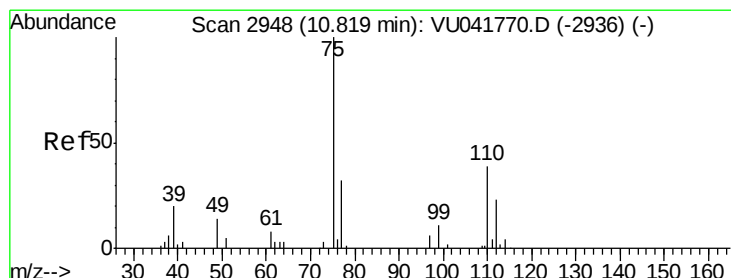
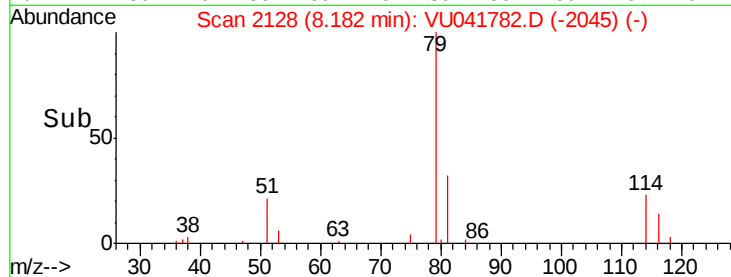
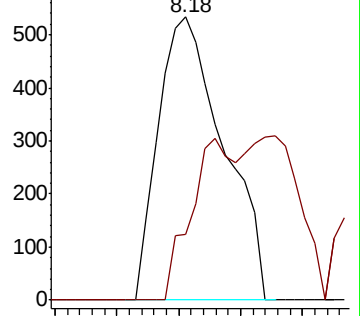
75 100

77 23.5 23.8 44.2#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#59

1,2,3-Trichloropropane

Concen: 0.951 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041782.D

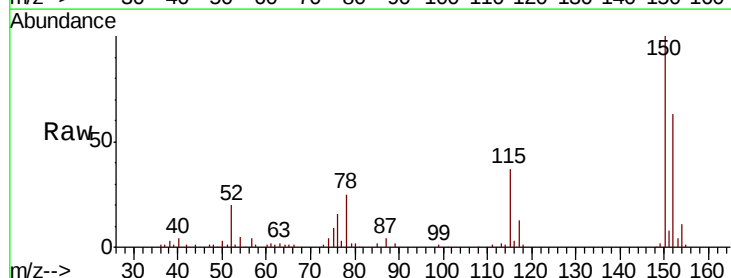
Acq: 23 Dec 2020 15:03

Tgt Ion: 75 Resp: 6779

Ion Ratio Lower Upper

75 100

77 33.9 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

