

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101920\
 Data File : VU040811.D
 Acq On : 19 Oct 2020 18:00
 Operator : SY/MD
 Sample : L4354-23DL 40X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ43DL

Quant Time: Oct 20 01:39:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 20 01:28:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	114548	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	121993	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	52197	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	33984	3.58	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.60%
7) Chloroethane-d5	1.92	69	32359	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.40%
11) 1,1-Dichloroethene-d2	2.58	63	51524	2.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.60%#
20) 2-Butanone-d5	4.65	46	174731	57.53	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.06%
24) Chloroform-d	5.08	84	81952	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
26) 1,2-Dichloroethane-d4	5.72	65	50689	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
32) Benzene-d6	5.74	84	137134	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.40%
36) 1,2-Dichloropropane-d6	6.70	67	50072	4.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.60%
41) Toluene-d8	7.91	98	101646	3.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.00%#
43) trans-1,3-Dichloropropene-	8.19	79	18686	4.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.80%
46) 2-Hexanone-d5	8.64	63	117737	49.37	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.74%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	49626	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	47215	4.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.60%

Target Compounds

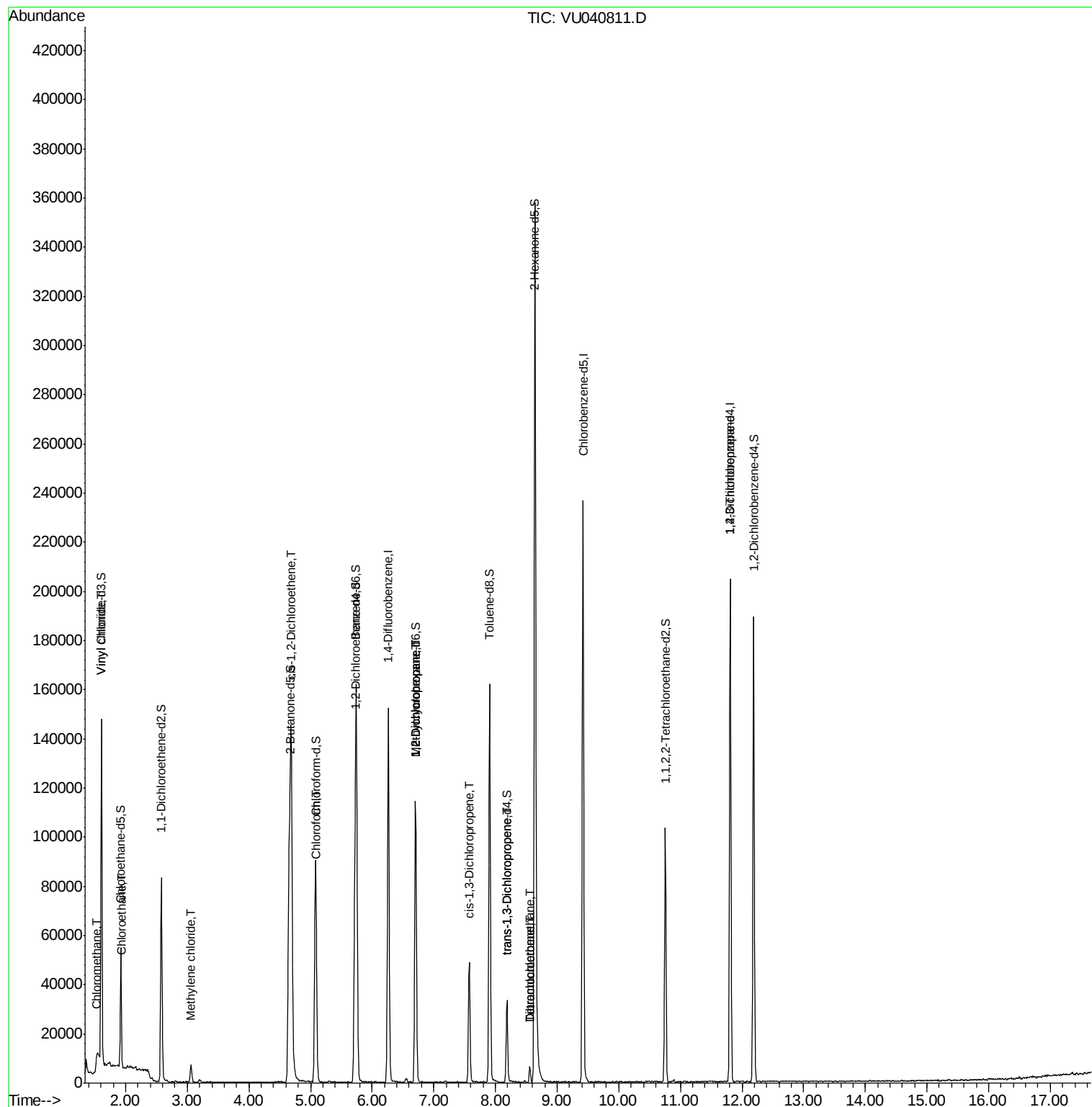
					Ovalue
3) Chloromethane	1.53	50	446	0.046 ug/L #	43
5) Vinyl chloride	1.61	62	64133	6.274 ug/L	91
8) Chloroethane	1.94	64	673	0.103 ug/L #	50
16) Methylene chloride	3.06	84	3080	0.294 ug/L	87
22) cis-1,2-Dichloroethene	4.69	96	54241	5.879 ug/L	94
25) Chloroform	5.10	83	1312	0.073 ug/L	95
35) Methylcyclohexane	6.70	83	11650	0.809 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	5718	0.524 ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1346	0.090 ug/L #	62
44) trans-1,3-Dichloropropene	8.19	75	773	0.056 ug/L #	56
47) Tetrachloroethene	8.56	164	1372	0.189 ug/L	84
49) Dibromochloromethane	8.56	129	1207	0.128 ug/L #	9
59) 1,2,3-Trichloropropane	11.81	75	6856	0.855 ug/L #	85

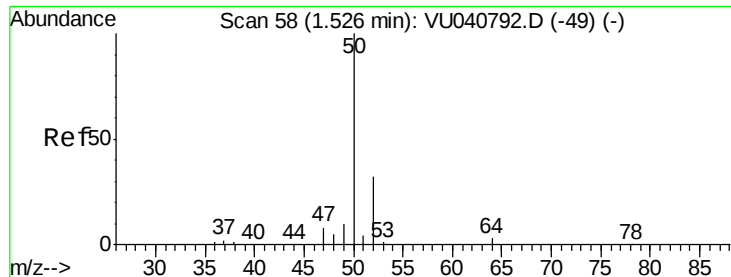
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.046 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040811.D

Acq: 19 Oct 2020 18:00

Instrument :

MSVOA_U

ClientSampleId :

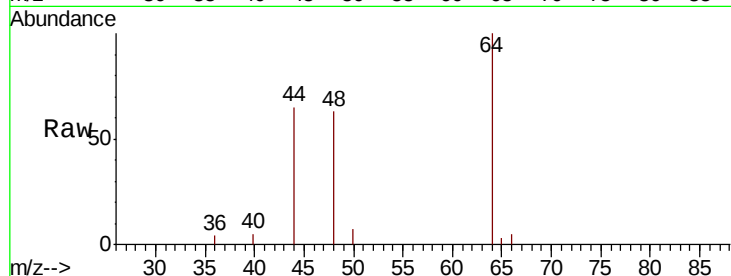
ETZ43DL

Tot Ion: 50 Resp: 446

Ion Ratio Lower Upper

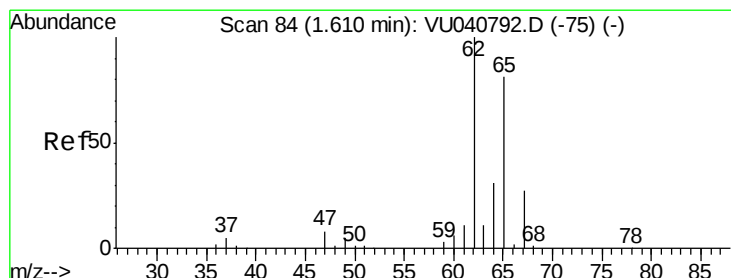
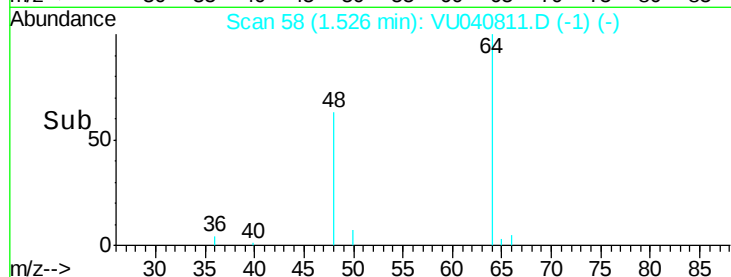
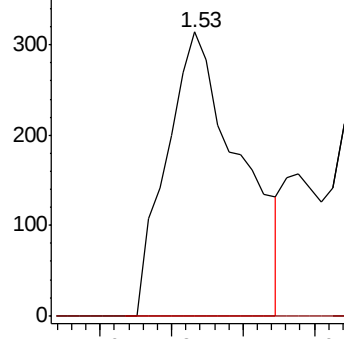
50 100

52 0.0 21.9 40.7#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#5

Vinyl chloride

Concen: 6.274 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040811.D

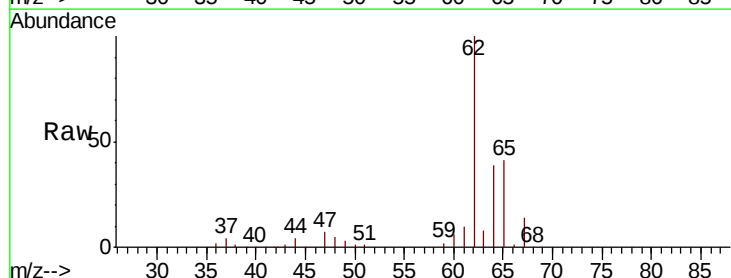
Acq: 19 Oct 2020 18:00

Tgt Ion: 62 Resp: 64133

Ion Ratio Lower Upper

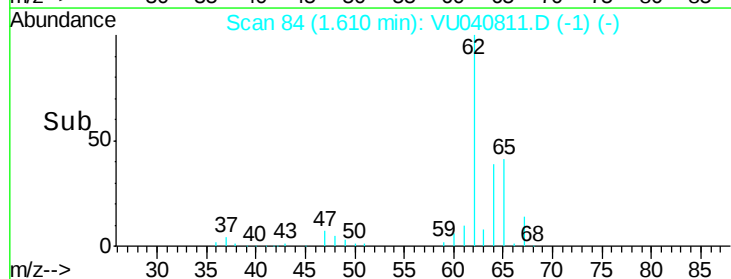
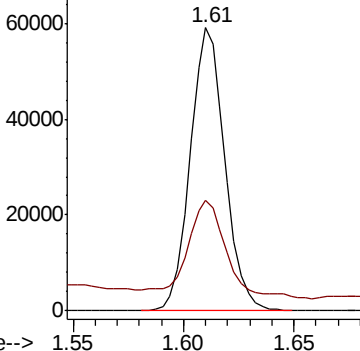
62 100

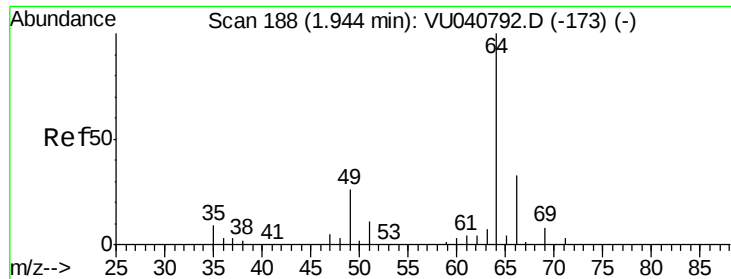
64 39.0 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0





#8

Chloroethane

Concen: 0.103 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU040811.D

Acq: 19 Oct 2020 18:00

Instrument :

MSVOA_U

ClientSampleId :

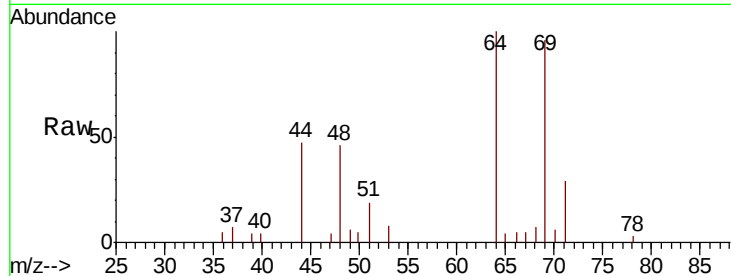
ETZ43DL

Tot Ion: 64 Resp: 673

Ion Ratio Lower Upper

64 100

66 4.8 23.3 43.3#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

1.94

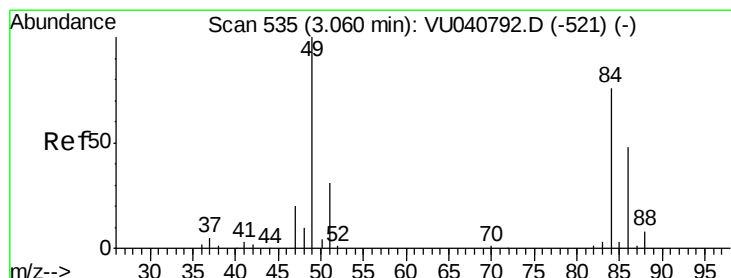
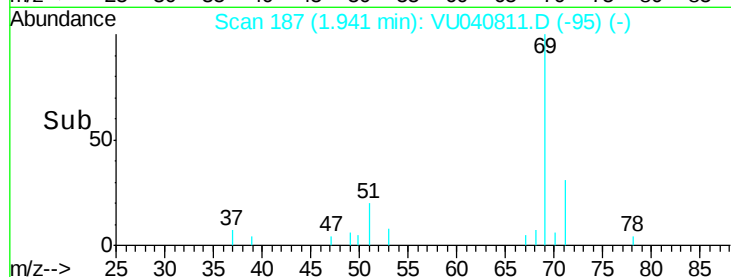
3000

2000

1000

0

Time-->



#16

Methylene chloride

Concen: 0.294 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU040811.D

Acq: 19 Oct 2020 18:00

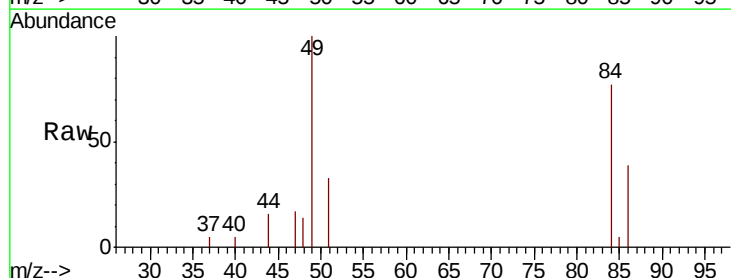
Tgt Ion: 84 Resp: 3080

Ion Ratio Lower Upper

84 100

86 50.9 45.4 84.4

49 129.2 99.8 185.3



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

3000

2500

2000

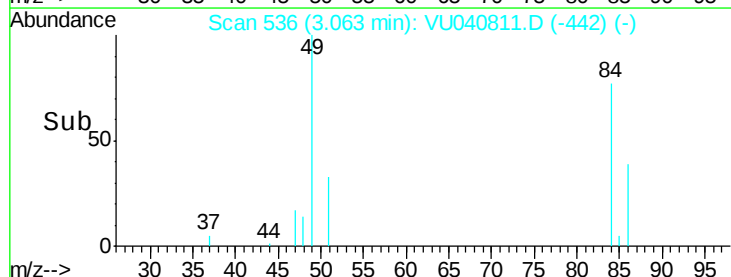
1500

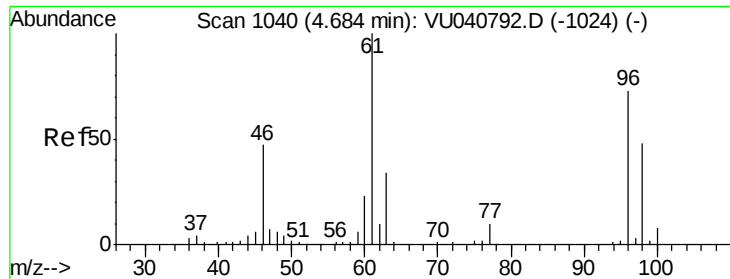
1000

500

0

Time-->

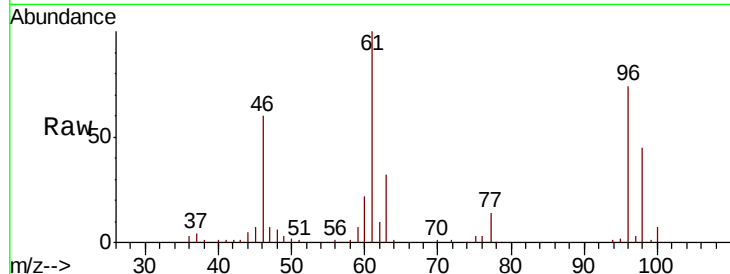




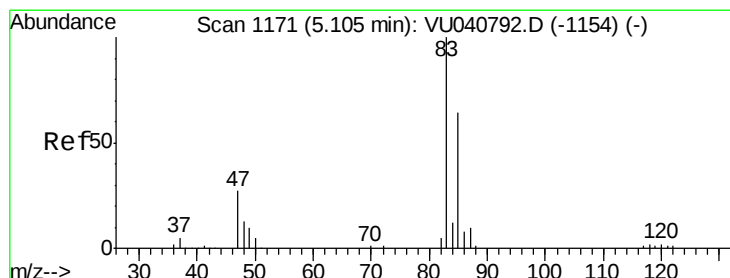
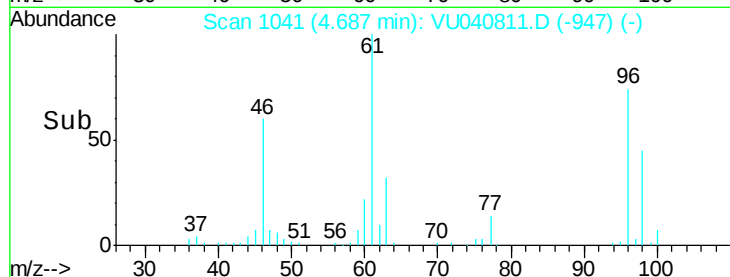
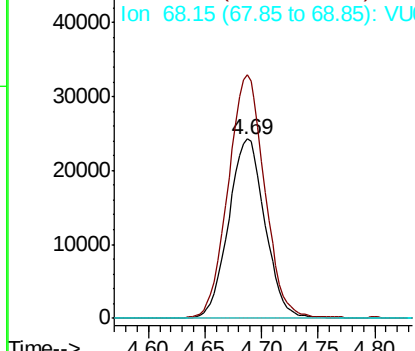
#22
 cis-1,2-Dichloroethene
 Concen: 5.879 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU040811.D
 Acq: 19 Oct 2020 18:00

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ43DL

Tot Ion: 96 Resp: 54241
 Ion Ratio Lower Upper
 96 100
 61 135.6 99.8 185.4
 68 0.0 0.0 0.0

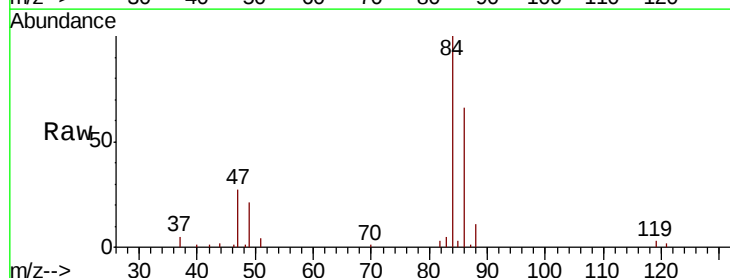


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

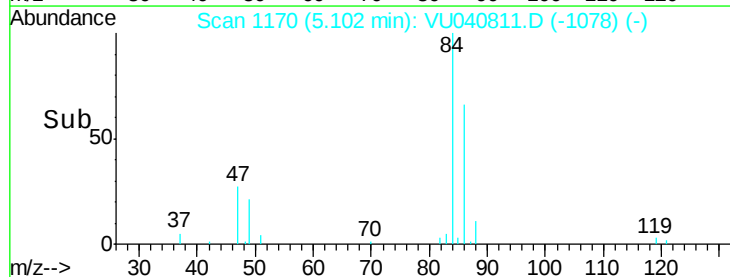
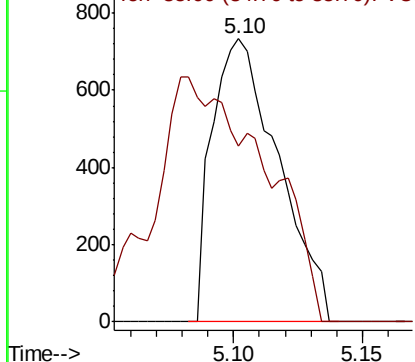


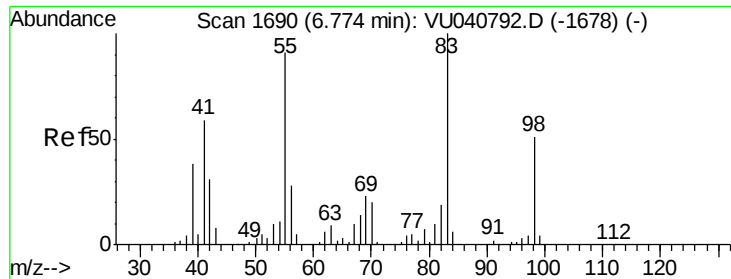
#25
 Chloroform
 Concen: 0.073 ug/L
 RT: 5.10 min Scan# 1170
 Delta R.T. -0.00 min
 Lab File: VU040811.D
 Acq: 19 Oct 2020 18:00

Tgt Ion: 83 Resp: 1312
 Ion Ratio Lower Upper
 83 100
 85 62.2 46.5 86.5



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0

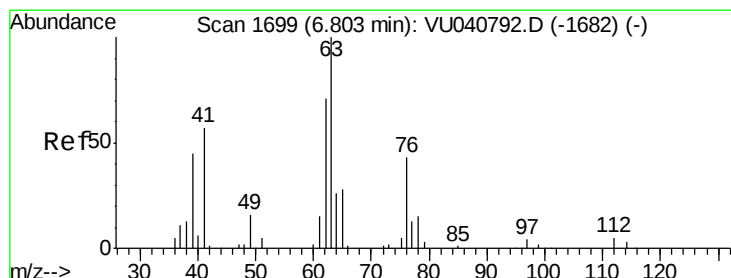
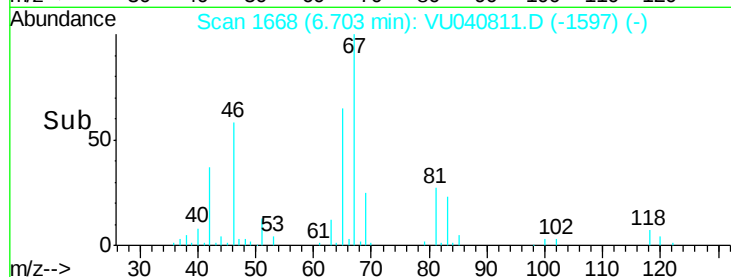
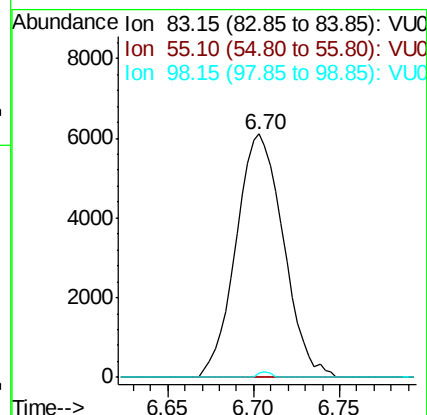
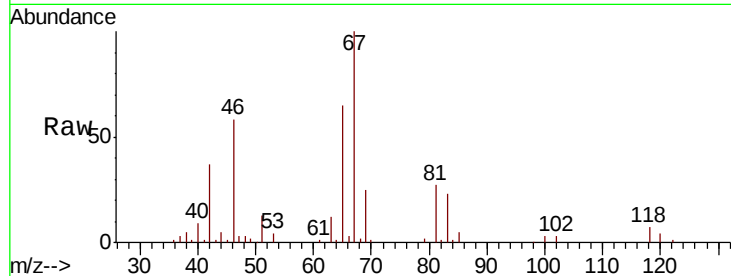




#35
Methvlcvclohexane
Concen: 0.809 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040811.D
Acq: 19 Oct 2020 18:00

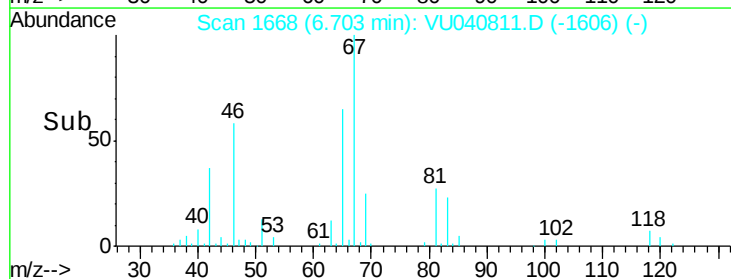
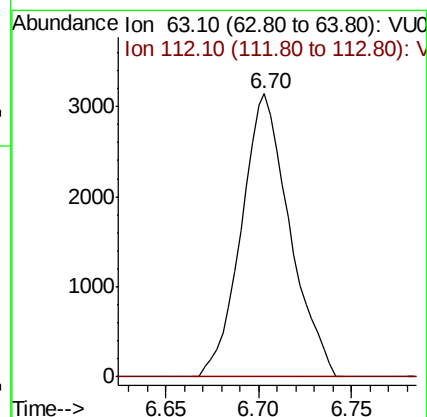
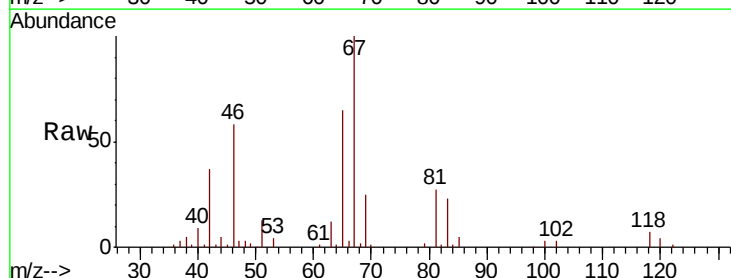
Instrument :
MSVOA_U
ClientSampleId :
ETZ43DL

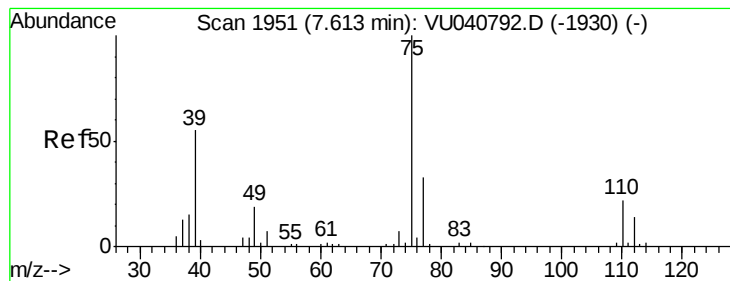
Tot Ion: 83 Resp: 11650
Ion Ratio Lower Upper
83 100
55 0.0 70.7 106.1#
98 0.6 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 0.524 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040811.D
Acq: 19 Oct 2020 18:00

Tgt Ion: 63 Resp: 5718
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



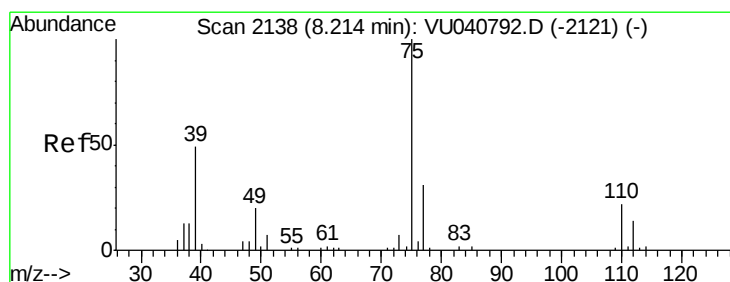
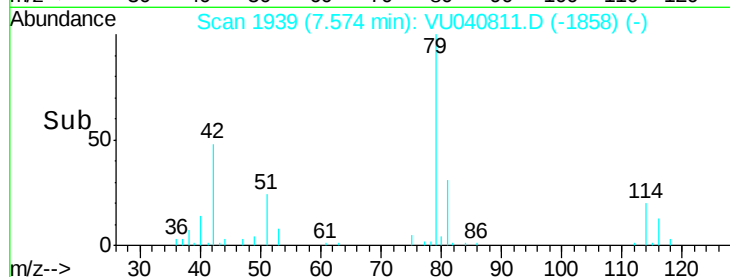
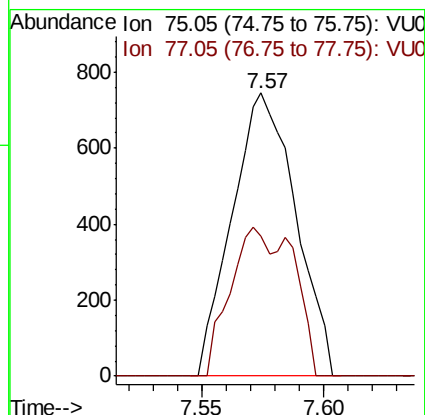
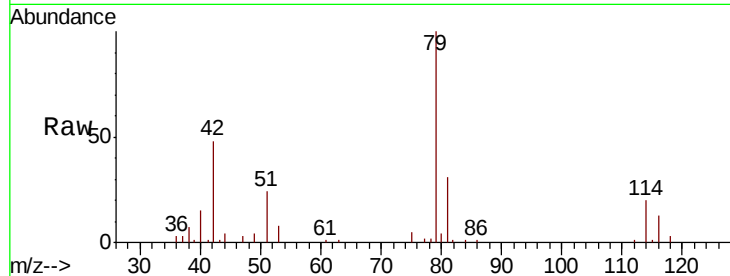


#39

cis-1,3-Dichloropropene
Concen: 0.090 ug/L
RT: 7.57 min Scan# 1939
Delta R.T. -0.04 min
Lab File: VU040811.D
Acq: 19 Oct 2020 18:00

Instrument :
MSVOA_U
ClientSampleId :
ETZ43DL

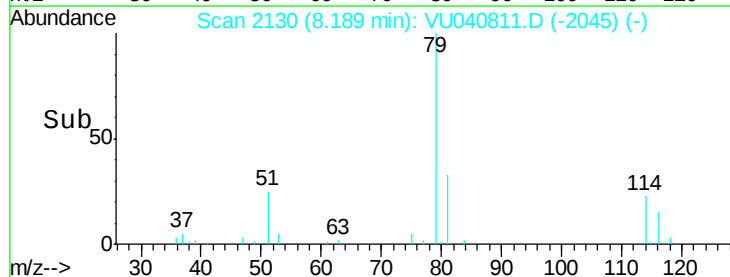
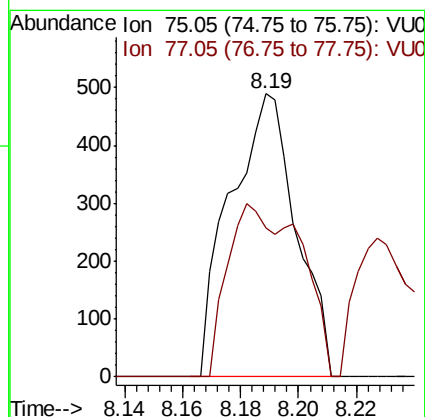
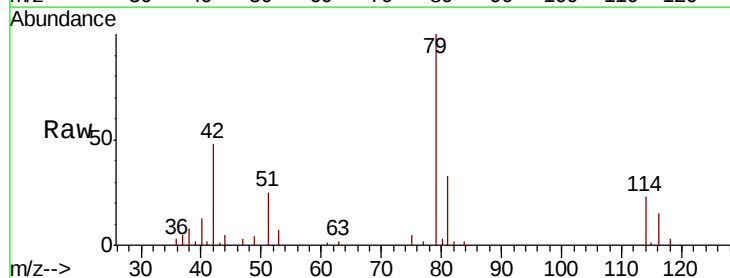
Tot Ion: 75 Resp: 1346
Ion Ratio Lower Upper
75 100
77 49.5 20.5 38.1#

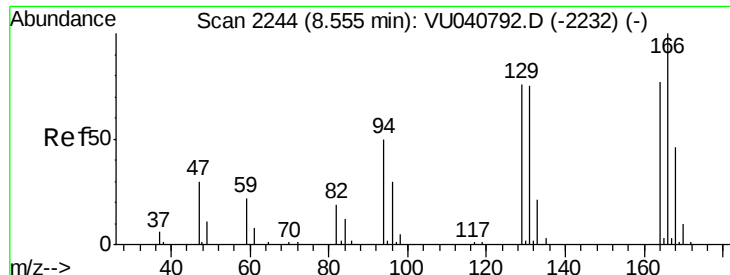


#44

trans-1,3-Dichloropropene
Concen: 0.056 ug/L
RT: 8.19 min Scan# 2130
Delta R.T. -0.03 min
Lab File: VU040811.D
Acq: 19 Oct 2020 18:00

Tgt Ion: 75 Resp: 773
Ion Ratio Lower Upper
75 100
77 52.6 20.4 38.0#





#47

Tetrachloroethene

Concen: 0.189 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU040811.D

Acq: 19 Oct 2020 18:00

Instrument :

MSVOA_U

ClientSampleId :

ETZ43DL

Tot Ion:164 Resp: 1372

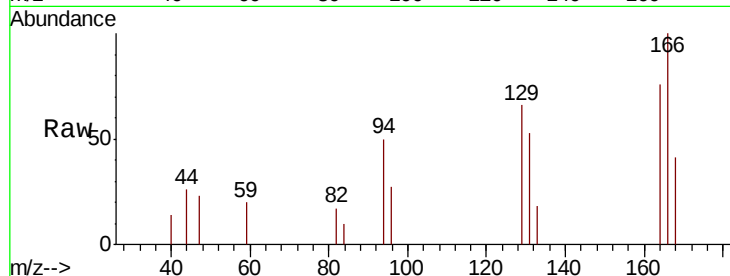
Ion Ratio Lower Upper

164 100

129 87.2 68.8 127.8

131 69.6 66.7 123.9

166 131.6 83.9 155.7

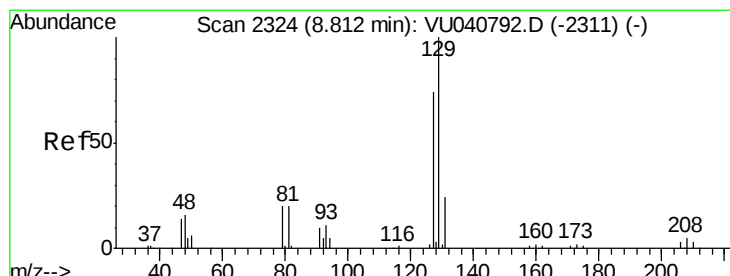
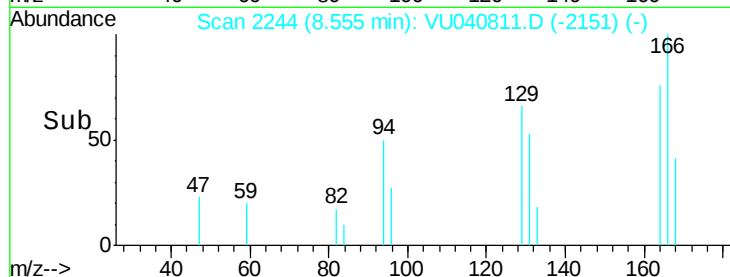
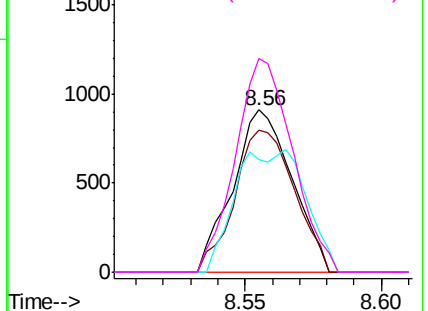


Abundance Ion 163.90 (163.60 to 164.60): V

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



#49

Dibromochloromethane

Concen: 0.128 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU040811.D

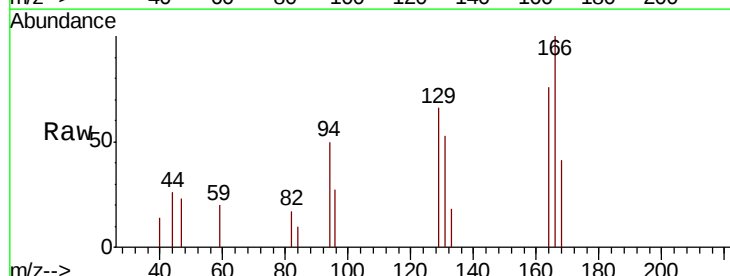
Acq: 19 Oct 2020 18:00

Tgt Ion:129 Resp: 1207

Ion Ratio Lower Upper

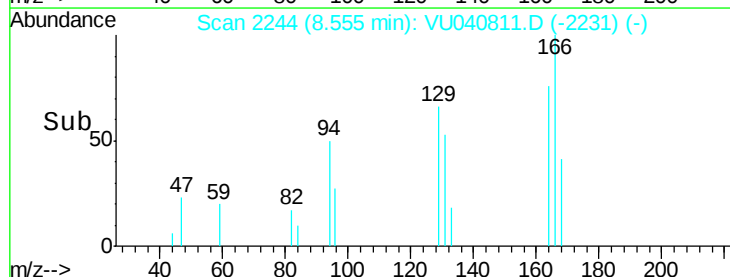
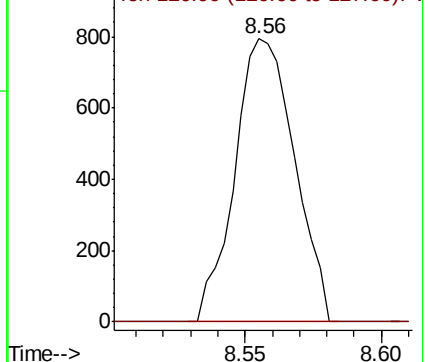
129 100

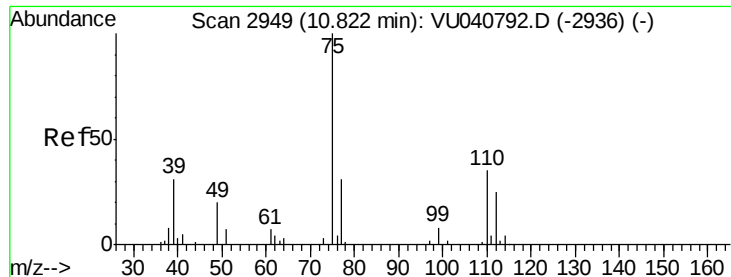
127 0.0 55.8 103.6#



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: 0.855 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040811.D

Acq: 19 Oct 2020 18:00

Instrument :

MSVOA_U

ClientSampleId :

ETZ43DL

Tot Ion: 75 Resp: 6856

Ion Ratio Lower Upper

75 100

77 41.6 26.4 39.6#

