

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042020\
 Data File : VU037812.D
 Acq On : 20 Apr 2020 14:34
 Operator : JC/MD
 Sample : L2319-02DL 5X
 Misc : 25mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 21 01:13:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 21 01:10:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	293995	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	281086	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	141171	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	69755	3.14	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.80%
7) Chloroethane-d5	1.93	69	67633	3.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.00%
11) 1,1-Dichloroethene-d2	2.59	63	142890	3.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.20%
20) 2-Butanone-d5	4.66	46	293765	48.08	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.16%
24) Chloroform-d	5.10	84	143312	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.80%
26) 1,2-Dichloroethane-d4	5.74	65	88402	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.60%
32) Benzene-d6	5.76	84	297309	3.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.00%
36) 1,2-Dichloropropane-d6	6.72	67	104720	4.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.80%
41) Toluene-d8	7.92	98	266159	3.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.20%
43) trans-1,3-Dichloropropene-	8.20	79	43653	3.93	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.60%
46) 2-Hexanone-d5	8.65	63	259493	45.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.32%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	83839	4.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.00%
64) 1,2-Dichlorobenzene-d4	12.21	152	102159	4.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	81.20%

Target Compounds

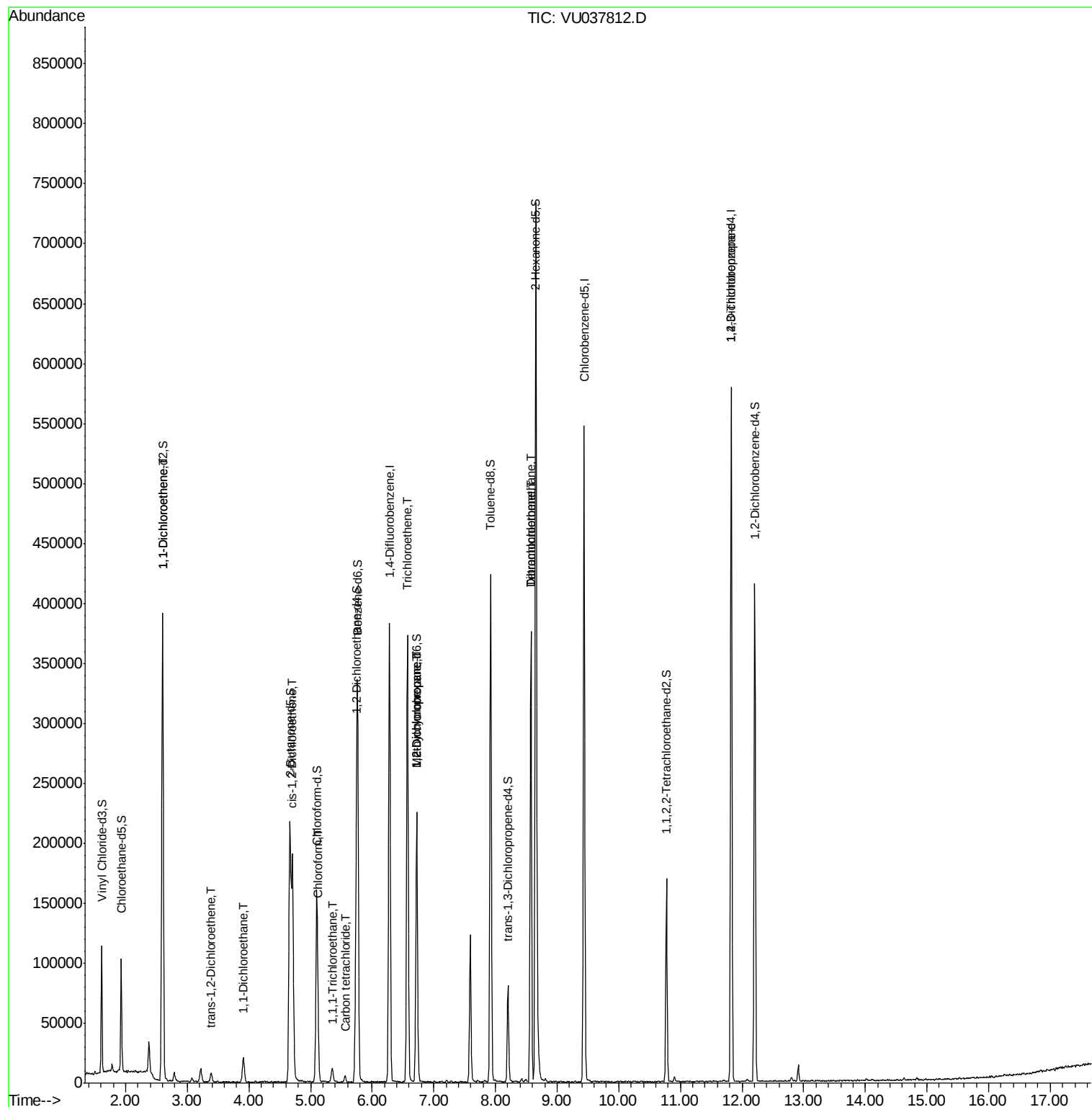
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.60	96	102926	5.073	ug/L	89
18) trans-1,2-Dichloroethene	3.39	96	2955	0.134	ug/L	88
19) 1,1-Dichloroethane	3.91	63	23958	0.563	ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	84328	3.548	ug/L	100
25) Chloroform	5.12	83	8528	0.211	ug/L	84
29) 1,1,1-Trichloroethane	5.35	97	8744	0.256	ug/L	95
31) Carbon tetrachloride	5.56	117	3007	0.111	ug/L	100
34) Trichloroethene	6.57	95	126305	5.534	ug/L	96
35) Methylcyclohexane	6.72	83	23153	0.579	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	11166	0.453	ug/L #	87
47) Tetrachloroethene	8.57	164	80436	4.904	ug/L	98
49) Dibromochloromethane	8.57	129	74951	3.951	ug/L #	11
59) 1,2,3-Trichloropropane	11.83	75	18755	1.163	ug/L #	87

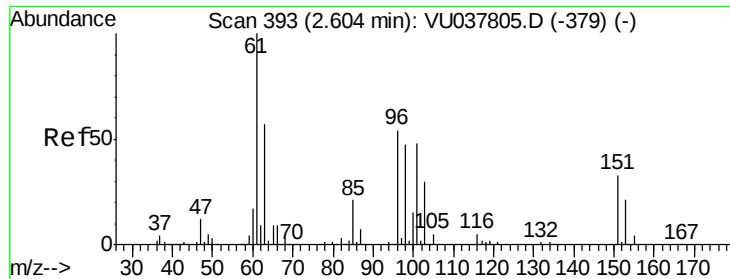
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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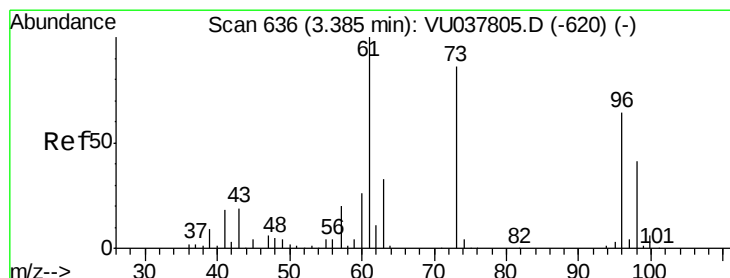
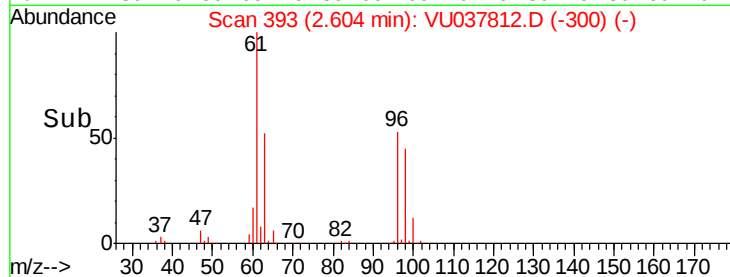
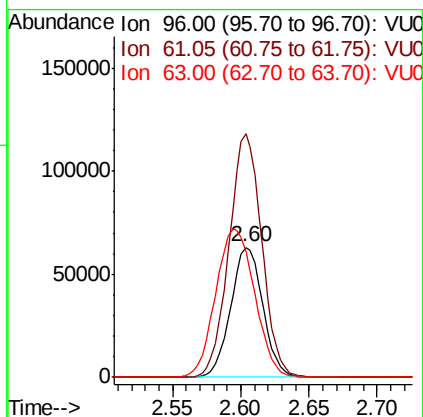
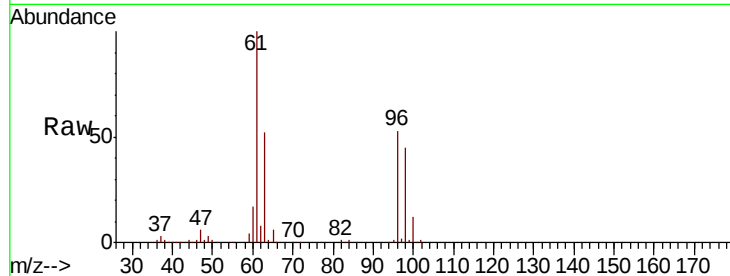




#12
 1,1-Dichloroethene
 Concen: 5.073 ug/L
 RT: 2.60 min Scan# 393
 Delta R.T. -0.00 min
 Lab File: VU037812.D
 Acq: 20 Apr 2020 14:34

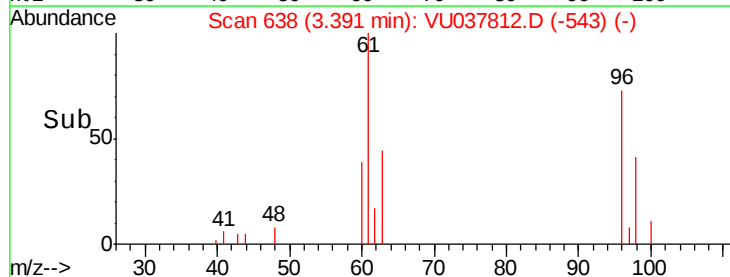
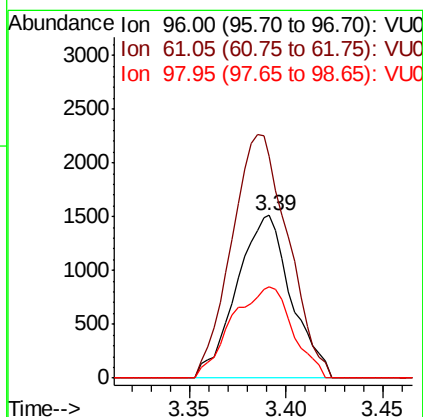
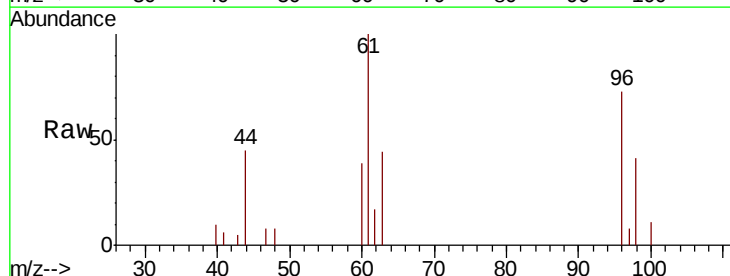
Instrument :
 MSVOA_U
 ClientSampled :

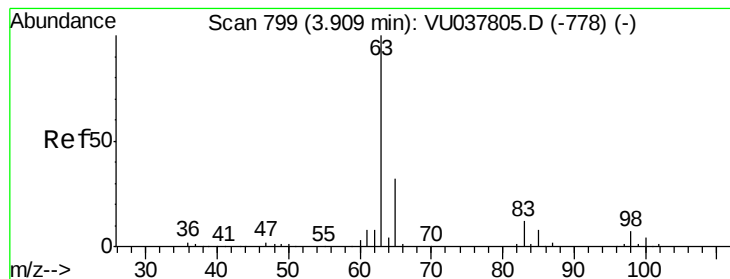
Tot Ion	Ratio	Lower	Upper
96	100		
61	187.5	127.7	237.3
63	97.3	85.0	157.8



#18
 trans-1,2-Dichloroethene
 Concen: 0.134 ug/L
 RT: 3.39 min Scan# 638
 Delta R.T. 0.01 min
 Lab File: VU037812.D
 Acq: 20 Apr 2020 14:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	136.5	106.7	198.3
98	56.1	44.3	82.3





#19

1,1-Dichloroethane

Concen: 0.563 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU037812.D

Acq: 20 Apr 2020 14:34

Instrument :

MSVOA_U

ClientSampled :

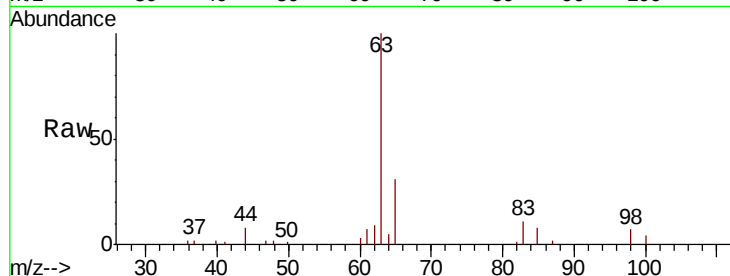
Tot Ion: 63 Resp: 23958

Ion Ratio Lower Upper

63 100

65 30.8 21.6 40.2

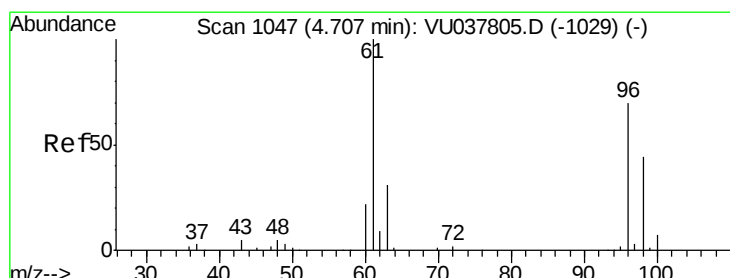
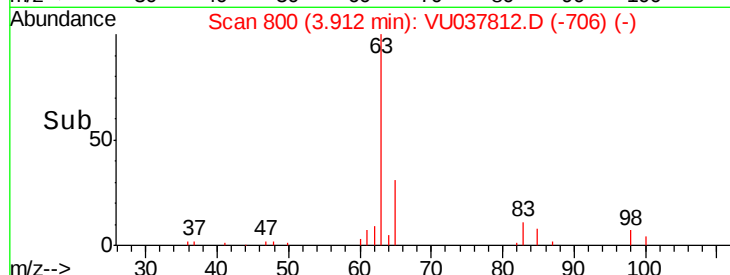
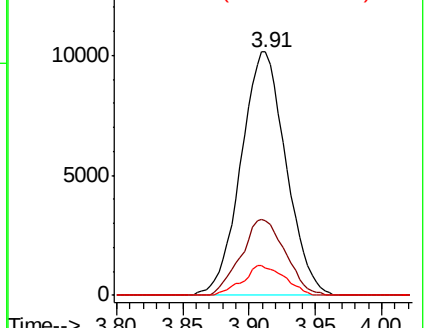
83 11.3 8.6 16.0



Abundance Ion 63.10 (62.80 to 63.80): VU037812.D (-799) (-)

Ion 65.10 (64.80 to 65.80): VU037812.D (-799) (-)

Ion 83.05 (82.75 to 83.75): VU037812.D (-799) (-)



#22

cis-1,2-Dichloroethene

Concen: 3.548 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU037812.D

Acq: 20 Apr 2020 14:34

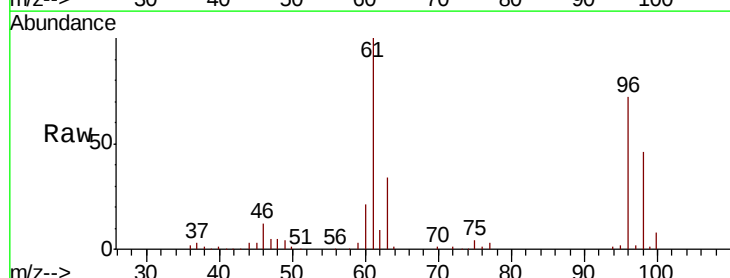
Tgt Ion: 96 Resp: 84328

Ion Ratio Lower Upper

96 100

61 138.0 97.0 180.2

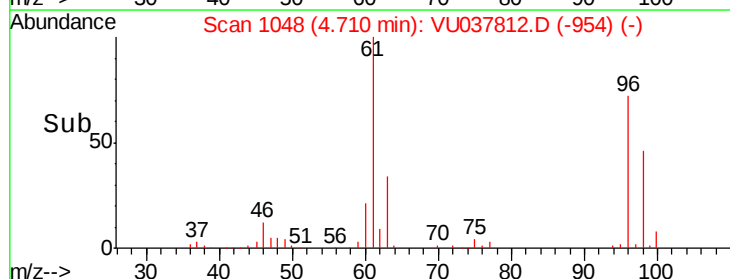
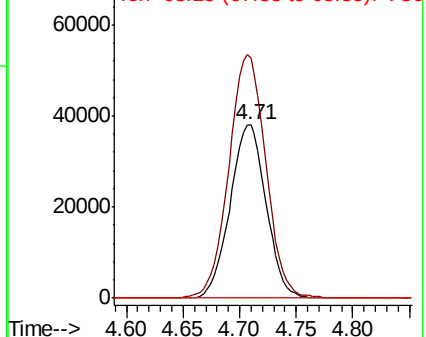
68 0.0 0.0 0.0

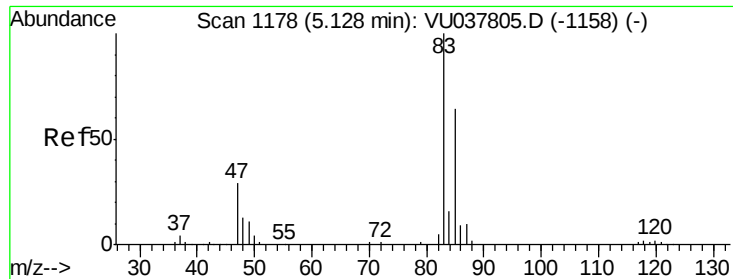


Abundance Ion 96.00 (95.70 to 96.70): VU037812.D (-1047) (-)

Ion 61.05 (60.75 to 61.75): VU037812.D (-1047) (-)

Ion 68.15 (67.85 to 68.85): VU037812.D (-1047) (-)

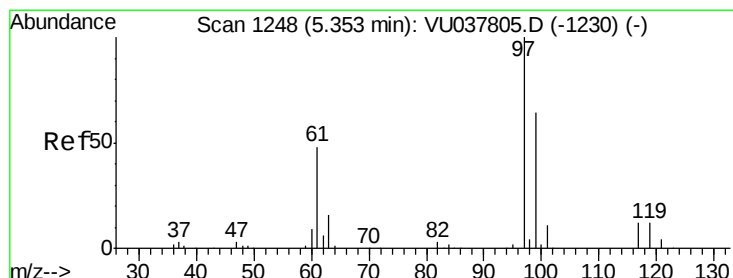
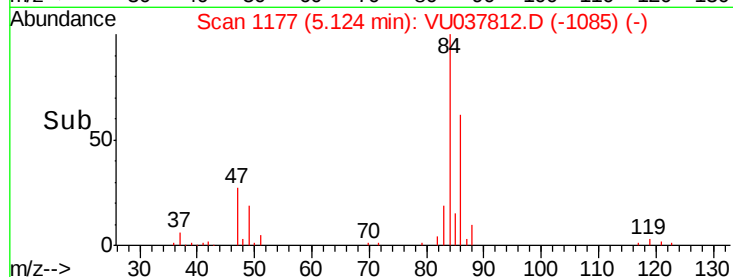
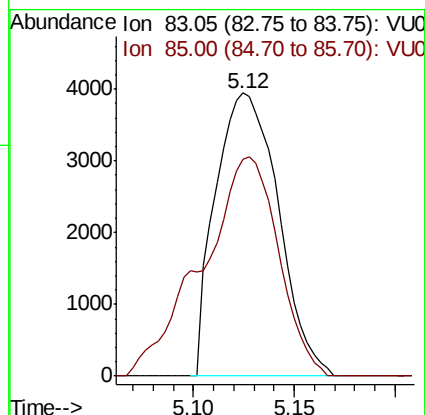
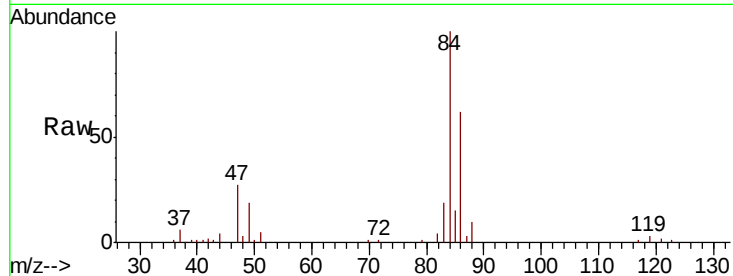




#25
Chloroform
Concen: 0.211 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU037812.D
Acq: 20 Apr 2020 14:34

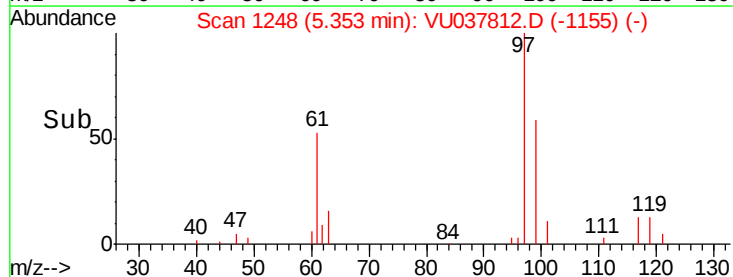
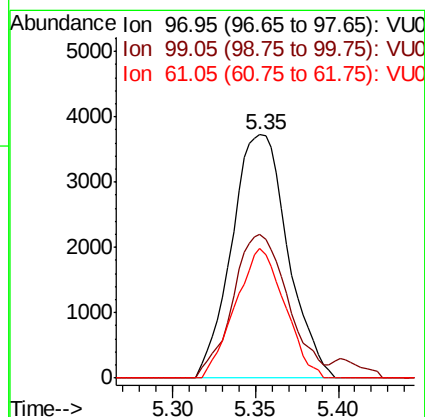
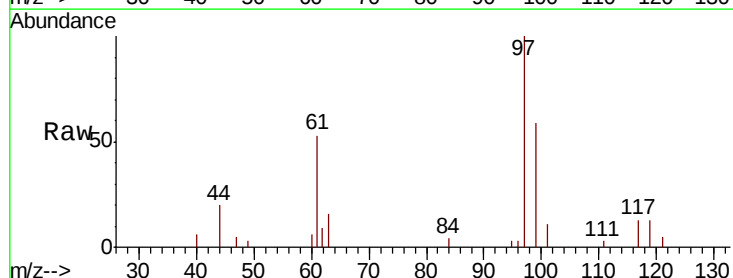
Instrument :
MSVOA_U
ClientSampled :

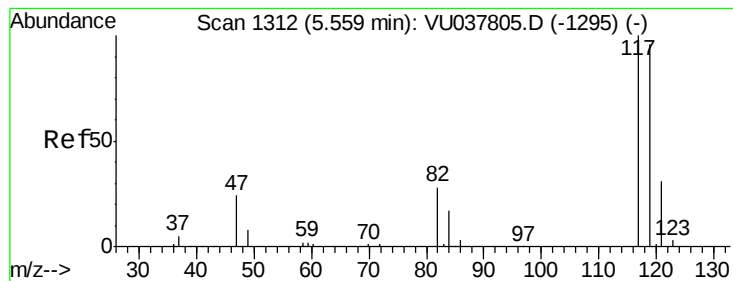
Tot Ion: 83 Resp: 8528
Ion Ratio Lower Upper
83 100
85 76.5 44.9 83.3



#29
1,1,1-Trichloroethane
Concen: 0.256 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU037812.D
Acq: 20 Apr 2020 14:34

Tgt Ion: 97 Resp: 8744
Ion Ratio Lower Upper
97 100
99 58.6 52.0 78.0
61 46.8 37.8 56.8





#31

Carbon tetrachloride

Concen: 0.111 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037812.D

Acq: 20 Apr 2020 14:34

Instrument :

MSVOA_U

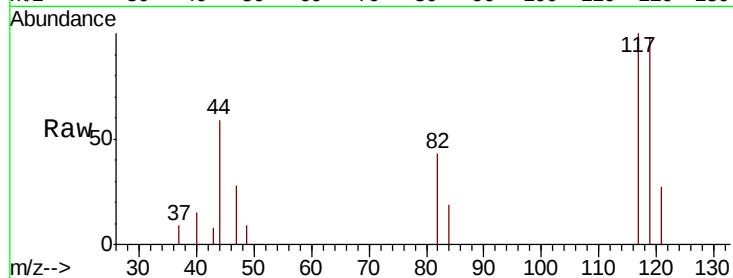
ClientSampleId :

Tot Ion:117 Resp: 3007

Ion Ratio Lower Upper

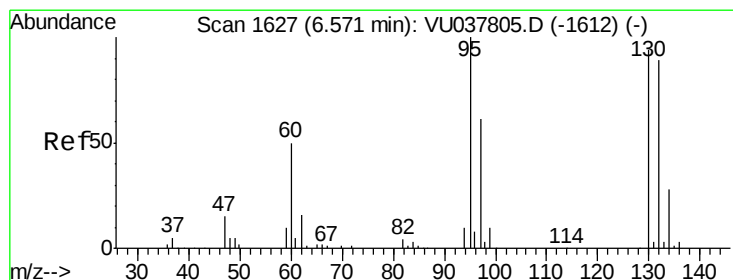
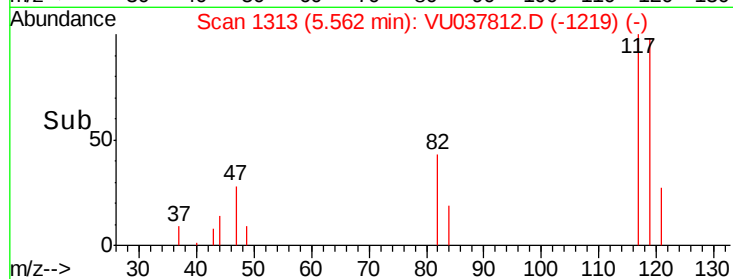
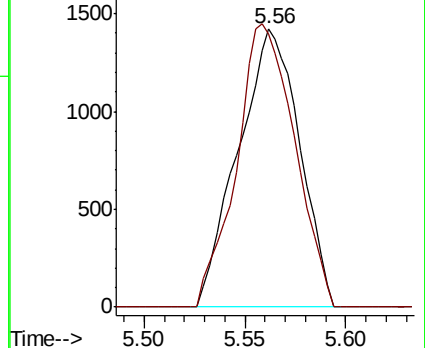
117 100

119 96.9 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 5.534 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU037812.D

Acq: 20 Apr 2020 14:34

Tgt Ion: 95 Resp: 126305

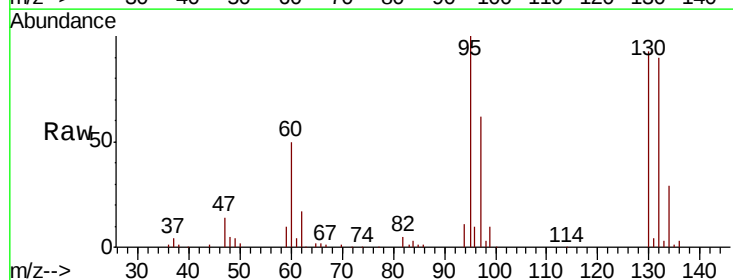
Ion Ratio Lower Upper

95 100

97 61.6 45.4 84.2

132 89.7 63.7 118.3

130 93.0 68.7 127.5

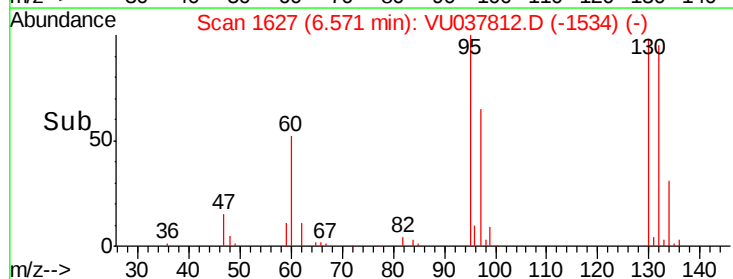
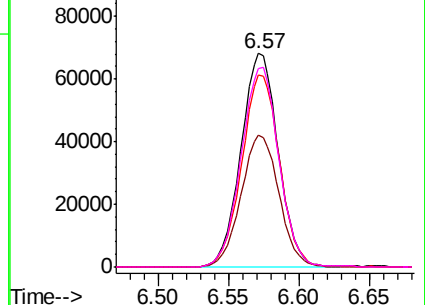


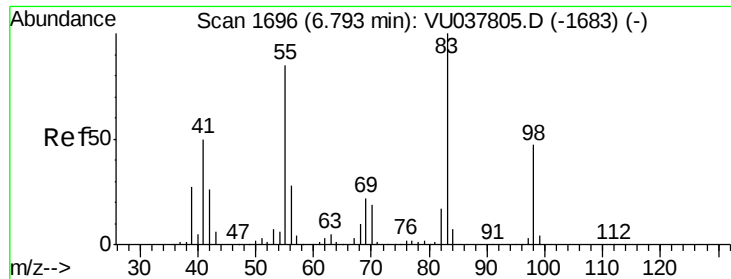
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

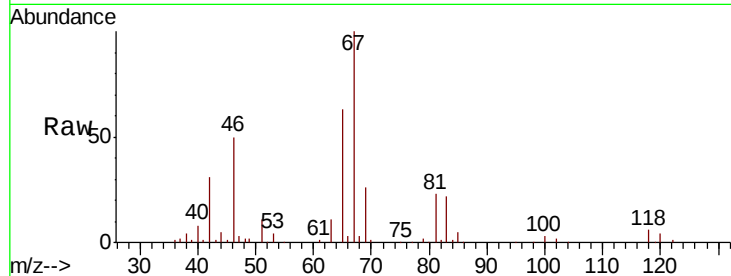




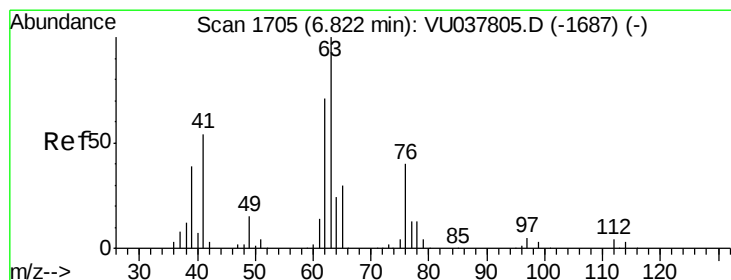
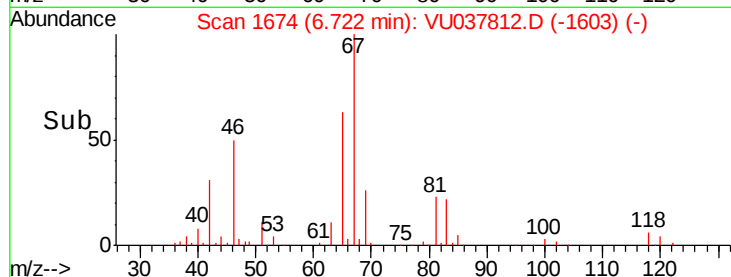
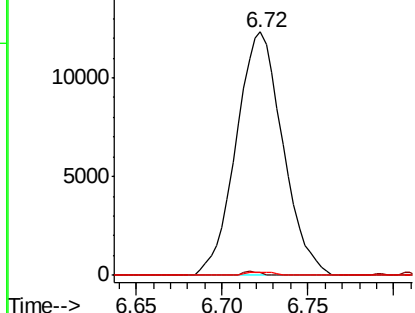
#35
Methvlcvclohexane
Concen: 0.579 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU037812.D
Acq: 20 Apr 2020 14:34

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 23153
Ion Ratio Lower Upper
83 100
55 0.6 65.5 98.3#
98 0.8 38.2 57.4#

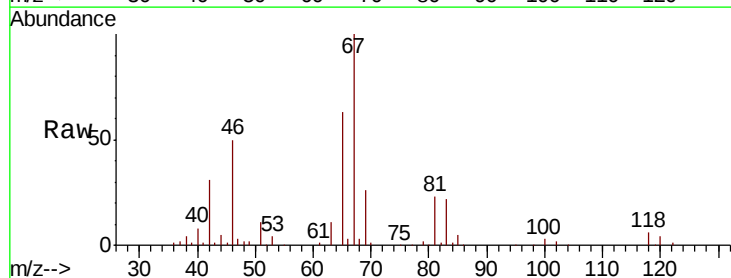


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

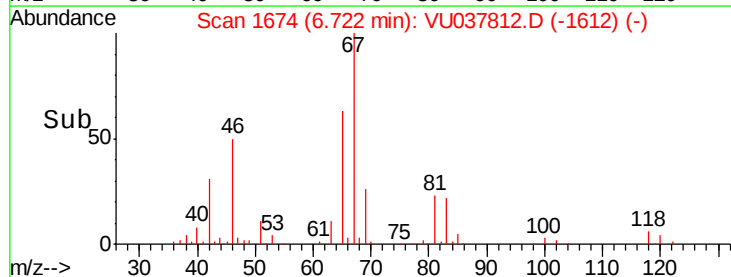
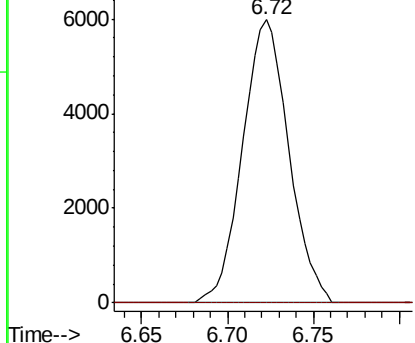


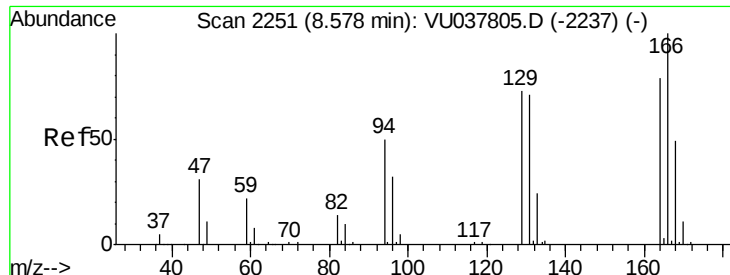
#37
1,2-Dichloropropane
Concen: 0.453 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.10 min
Lab File: VU037812.D
Acq: 20 Apr 2020 14:34

Tgt Ion: 63 Resp: 11166
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



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





#47

Tetrachloroethene

Concen: 4.904 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU037812.D

Acq: 20 Apr 2020 14:34

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 80436

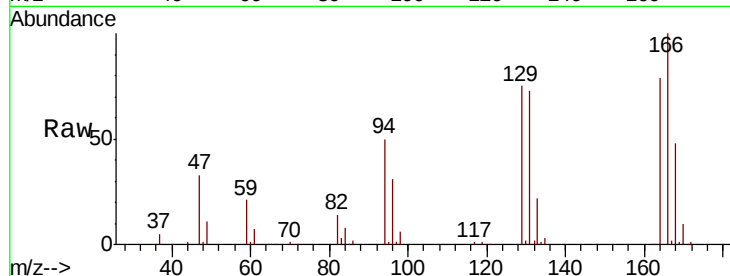
Ion Ratio Lower Upper

164 100

129 95.0 68.1 126.5

131 92.0 65.9 122.5

166 126.7 89.7 166.7

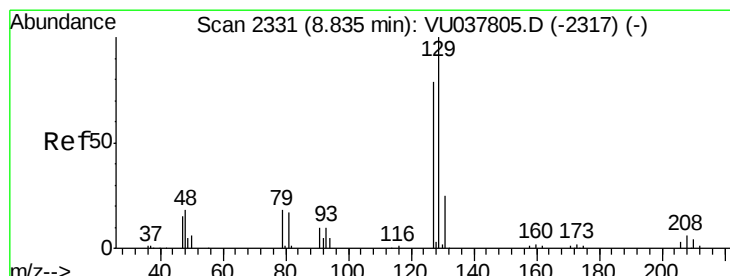
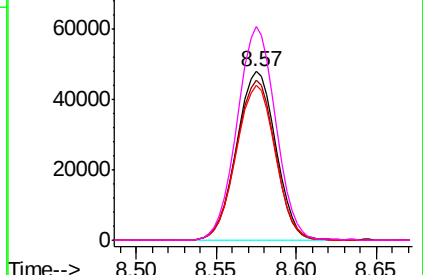
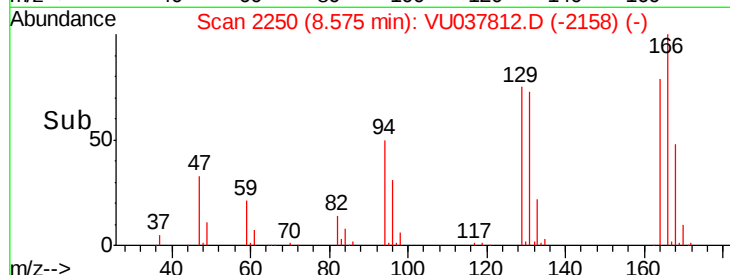


Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.951 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.26 min

Lab File: VU037812.D

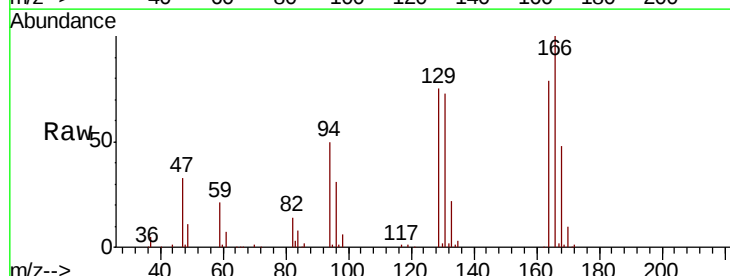
Acq: 20 Apr 2020 14:34

Tgt Ion:129 Resp: 74951

Ion Ratio Lower Upper

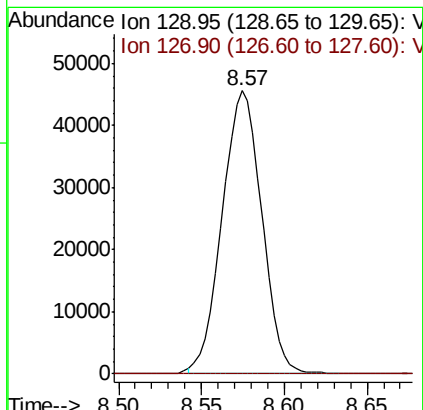
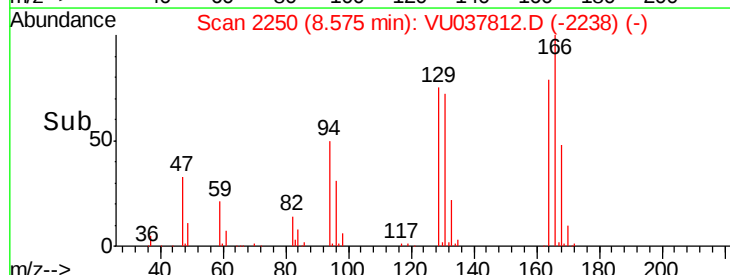
129 100

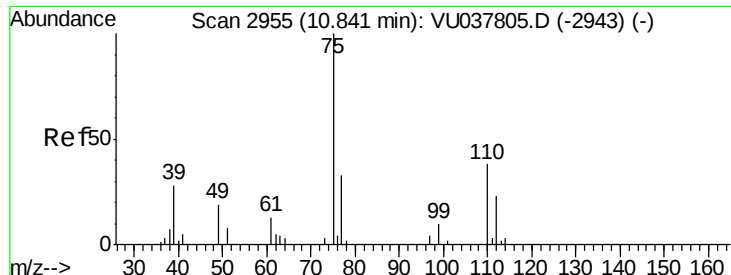
127 0.0 53.3 98.9#



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: 1.163 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU037812.D

Acq: 20 Apr 2020 14:34

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 18755

Ion Ratio Lower Upper

75 100

77 39.2 25.4 38.2#

