

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080820\
 Data File : VU039810.D
 Acq On : 08 Aug 2020 14:53
 Operator : SY/MD
 Sample : L3617-02RE
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 10 01:20:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Aug 10 01:16:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	76554	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	75060	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	36248	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.80	65	20	0.00	ug/L	0.20
Spiked Amount	5.000	Range	40 - 130	Recovery	=	0.00%#
7) Chloroethane-d5	1.92	69	19987	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.40%
11) 1,1-Dichloroethene-d2	2.58	63	4963	0.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	12.00%#
20) 2-Butanone-d5	4.66	46	73310	40.32	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.64%
24) Chloroform-d	5.09	84	42911	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.20%
26) 1,2-Dichloroethane-d4	5.72	65	26489	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.20%
32) Benzene-d6	5.75	84	85693	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.70	67	28177	4.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.20%
41) Toluene-d8	7.91	98	439	0.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	0.60%#
43) trans-1,3-Dichloropropene-	8.18	79	256	0.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	2.20%#
46) 2-Hexanone-d5	8.65	63	48137	37.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	75.88%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	22818	3.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	76.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	30400	4.90	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.00%

Target Compounds

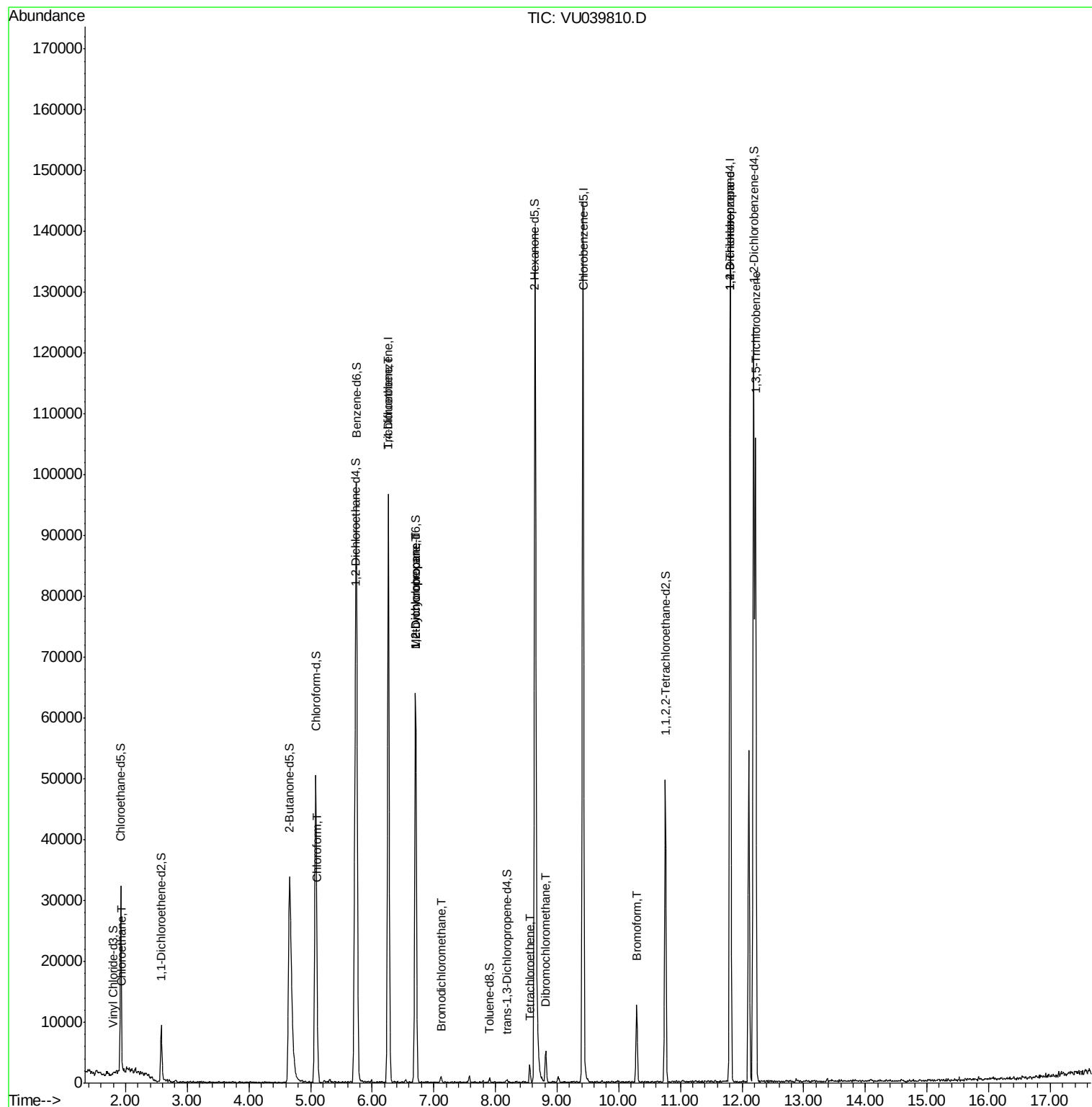
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.95	64	458	0.100	ug/L #	43
25) Chloroform	5.11	83	3544	0.351	ug/L	94
34) Trichloroethene	6.27	95	1375	0.259	ug/L #	4
35) Methylcyclohexane	6.71	83	6584	0.777	ug/L #	19
37) 1,2-Dichloropropane	6.71	63	3343	0.615	ug/L #	86
38) Bromodichloromethane	7.11	83	913	0.128	ug/L #	91
47) Tetrachloroethene	8.56	164	582	0.133	ug/L	87
49) Dibromochloromethane	8.82	129	2651	0.529	ug/L	93
59) 1,2,3-Trichloropropane	11.81	75	4968	1.268	ug/L	90
61) Bromoform	10.29	173	5492	2.242	ug/L #	93
67) 1,3,5-Trichlorobenzene	12.22	180	1246	0.155	ug/L #	19

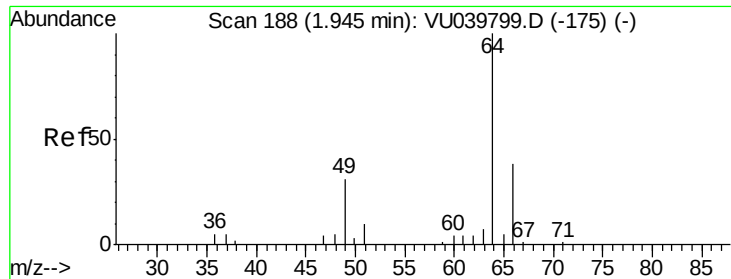
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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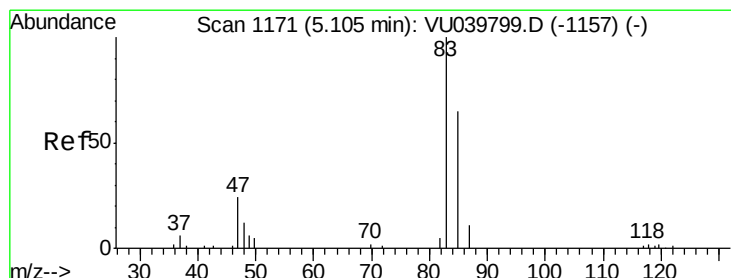
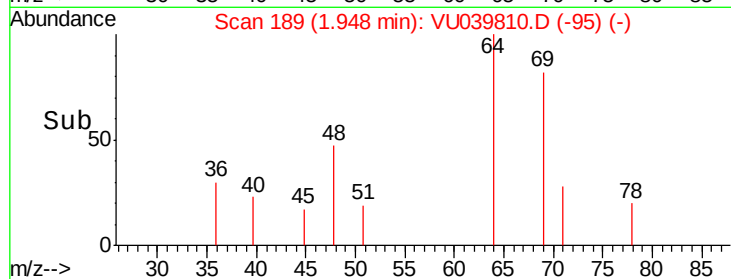
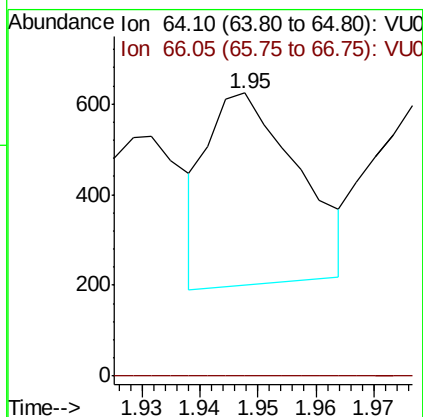
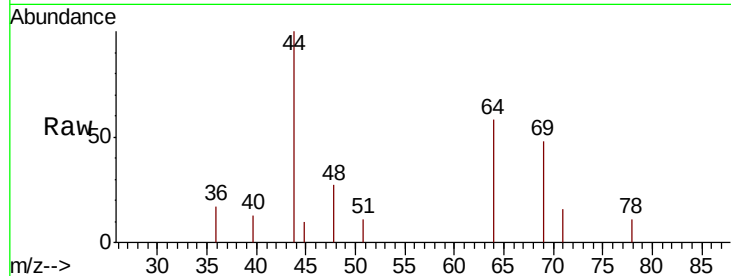




#8
Chloroethane
Concen: 0.100 ug/L
RT: 1.95 min Scan# 189
Delta R.T. 0.00 min
Lab File: VU039810.D
Acq: 08 Aug 2020 14:53

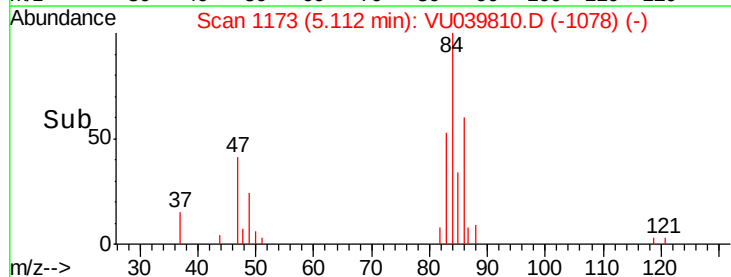
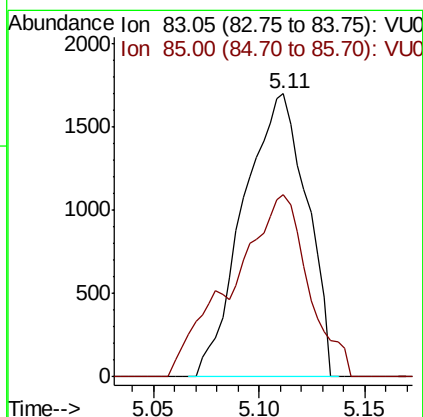
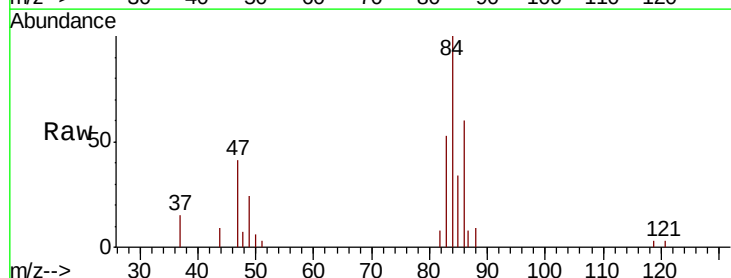
Instrument :
MSVOA_U
ClientSampled :

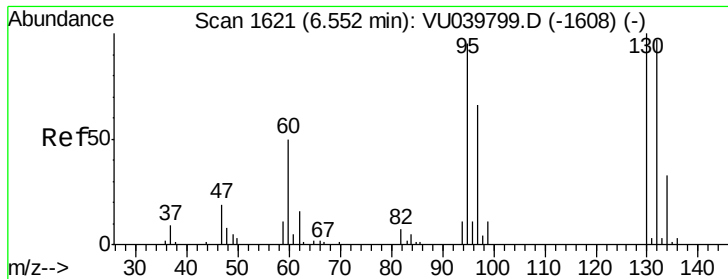
Tot Ion: 64 Resp: 458
Ion Ratio Lower Upper
64 100
66 0.0 22.3 41.3#



#25
Chloroform
Concen: 0.351 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.01 min
Lab File: VU039810.D
Acq: 08 Aug 2020 14:53

Tgt Ion: 83 Resp: 3544
Ion Ratio Lower Upper
83 100
85 64.5 42.1 78.3





#34

Trichloroethene

Concen: 0.259 ug/L

RT: 6.27 min Scan# 1532

Delta R.T. -0.29 min

Lab File: VU039810.D

Acq: 08 Aug 2020 14:53

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 1375

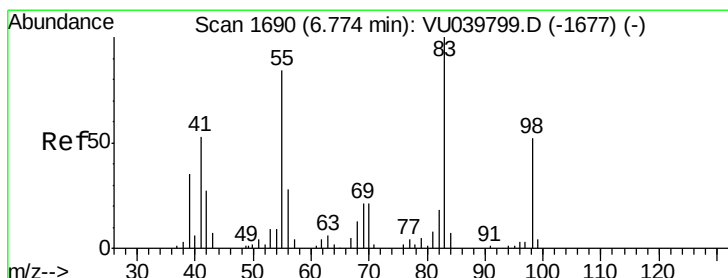
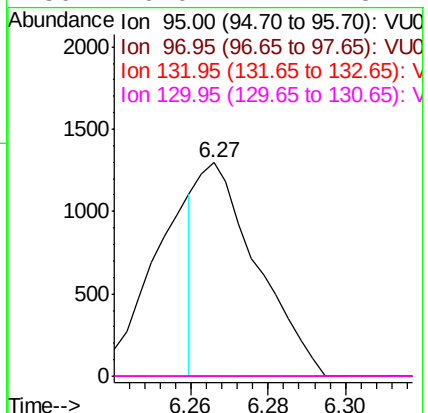
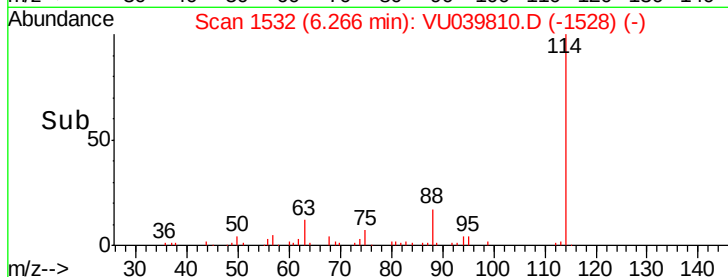
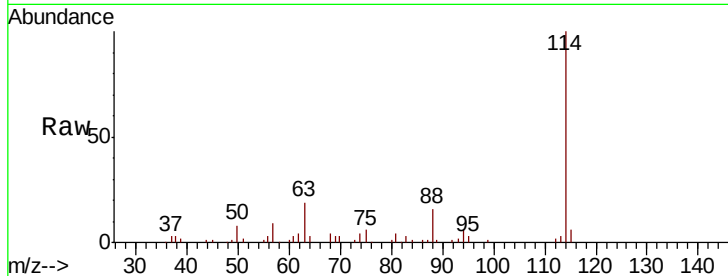
Ion Ratio Lower Upper

95 100

97 0.0 44.0 81.8#

132 0.0 71.7 133.3#

130 0.0 71.1 132.1#



#35

Methylcyclohexane

Concen: 0.777 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.07 min

Lab File: VU039810.D

Acq: 08 Aug 2020 14:53

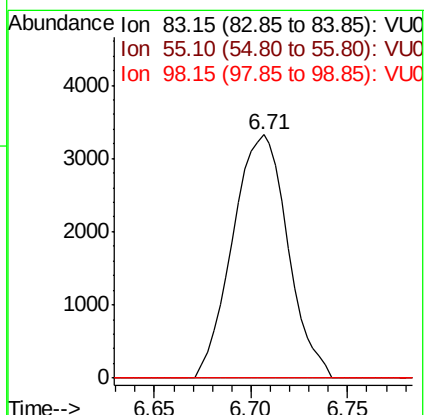
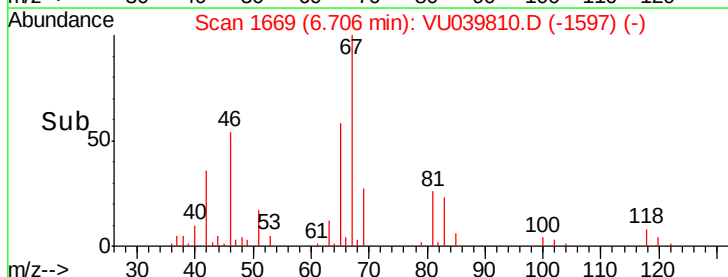
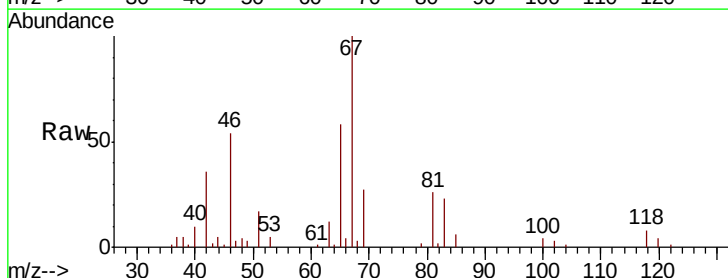
Tgt Ion: 83 Resp: 6584

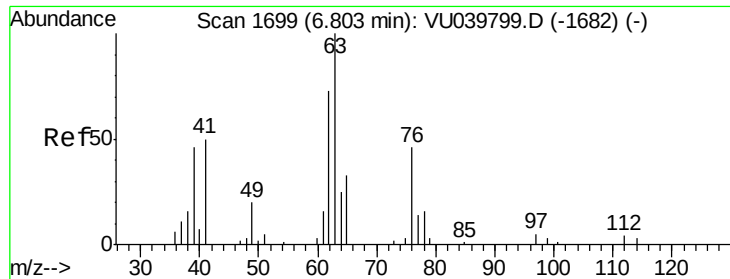
Ion Ratio Lower Upper

83 100

55 0.0 59.4 89.0#

98 0.0 39.0 58.4#

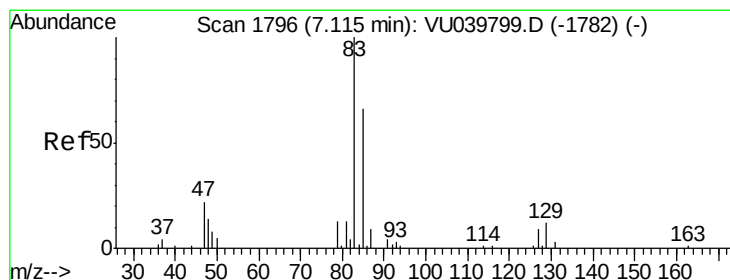
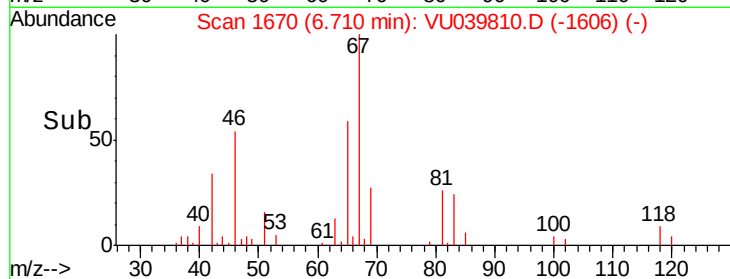
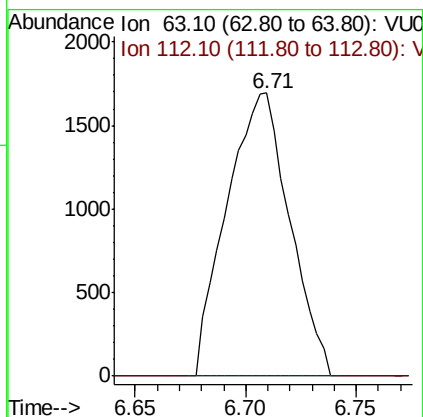
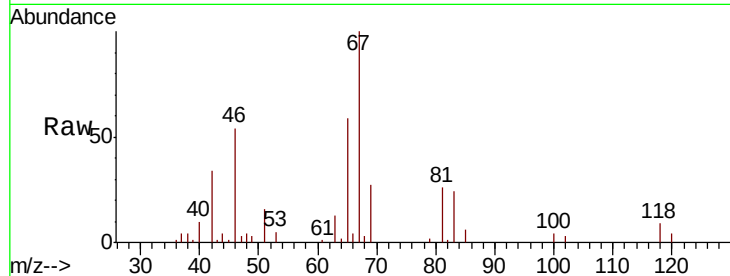




#37
 1,2-Dichloropropane
 Concen: 0.615 ug/L
 RT: 6.71 min Scan# 1670
 Delta R.T. -0.09 min
 Lab File: VU039810.D
 Acq: 08 Aug 2020 14:53

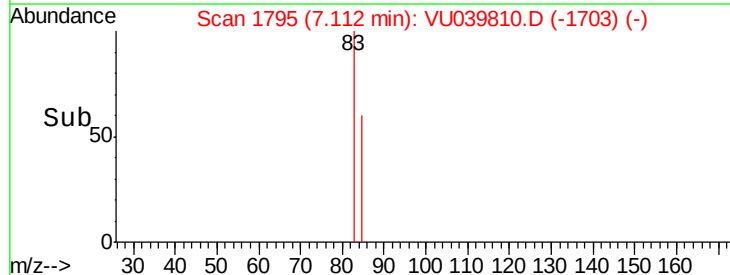
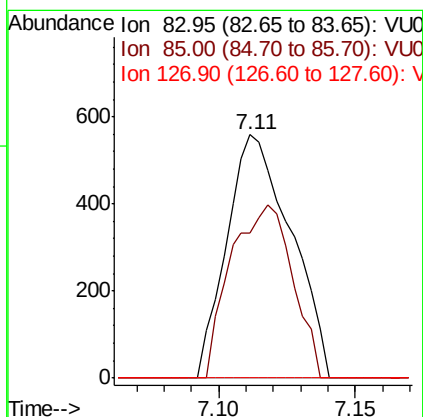
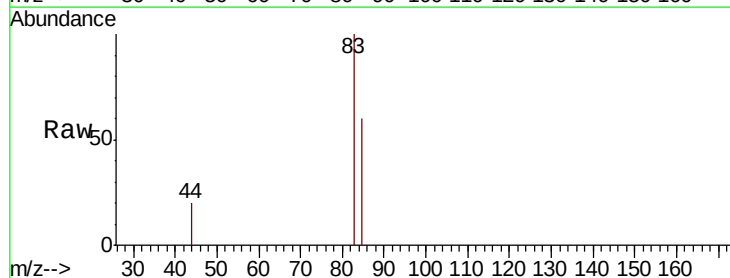
Instrument :
 MSVOA_U
 ClientSampleId :

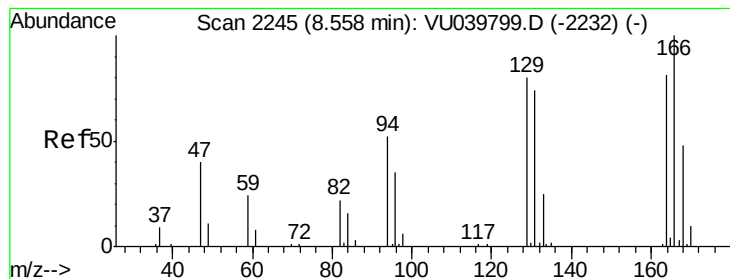
Tot Ion: 63 Resp: 3343
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.8 5.6#



#38
 Bromodichloromethane
 Concen: 0.128 ug/L
 RT: 7.11 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VU039810.D
 Acq: 08 Aug 2020 14:53

Tgt Ion: 83 Resp: 913
 Ion Ratio Lower Upper
 83 100
 85 59.6 45.3 84.1
 127 0.0 7.5 11.3#





#47

Tetrachloroethene

Concen: 0.133 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VU039810.D

Acq: 08 Aug 2020 14:53

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 582

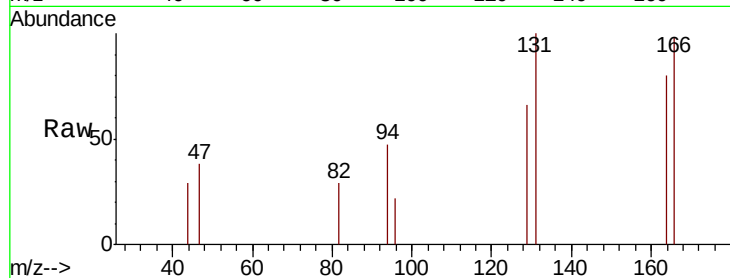
Ion Ratio Lower Upper

164 100

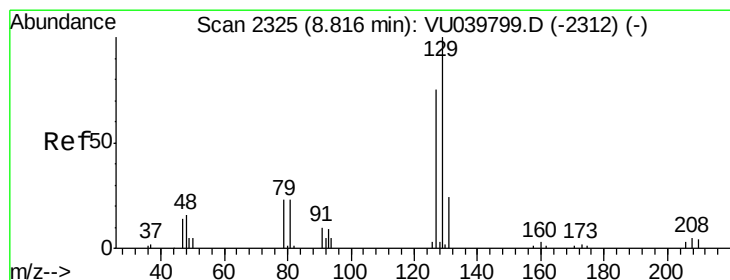
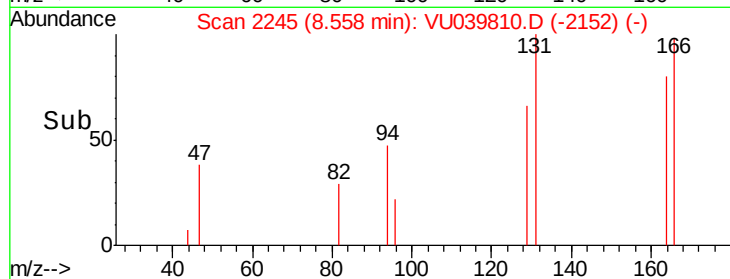
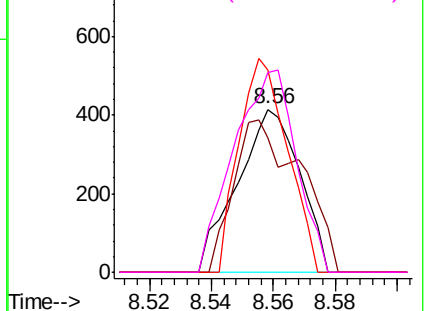
129 82.9 65.9 122.5

131 124.6 68.1 126.5

166 122.5 84.5 156.9



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: 0.529 ug/L

RT: 8.82 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VU039810.D

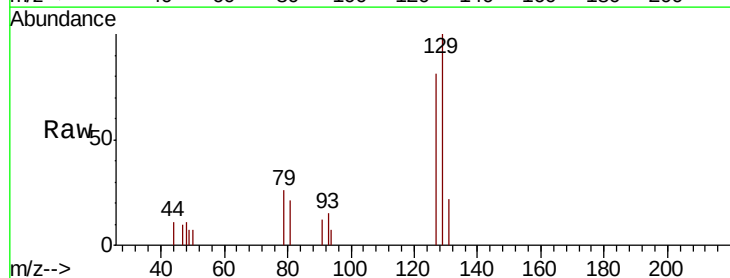
Acq: 08 Aug 2020 14:53

Tgt Ion:129 Resp: 2651

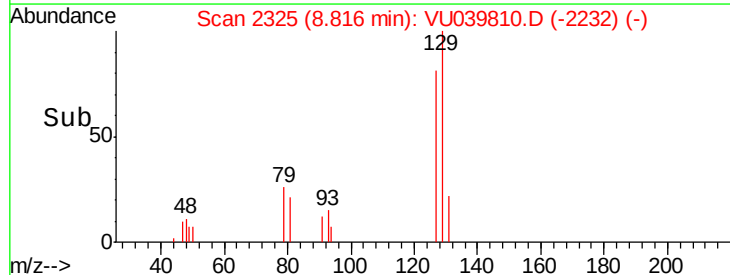
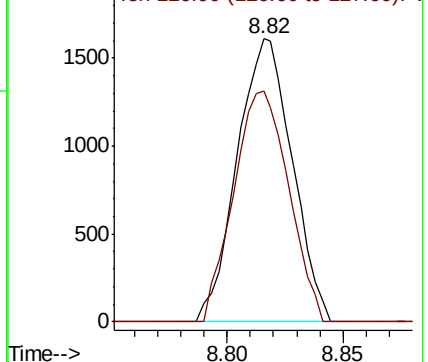
Ion Ratio Lower Upper

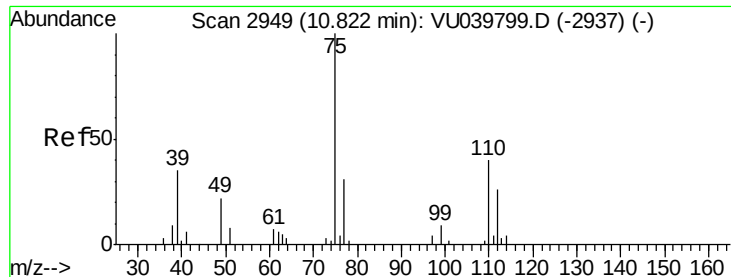
129 100

127 81.5 53.0 98.4



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

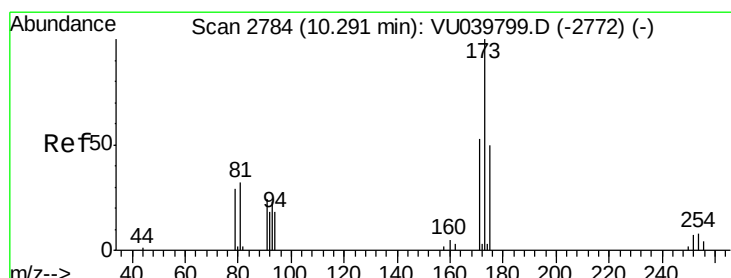
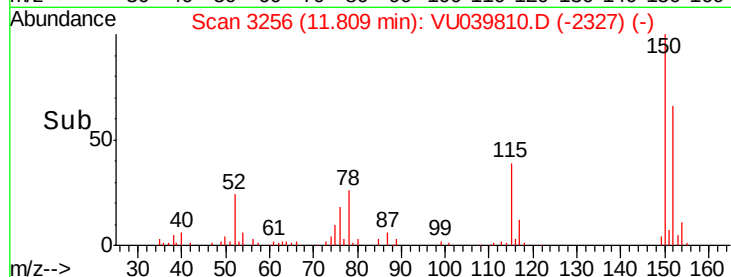
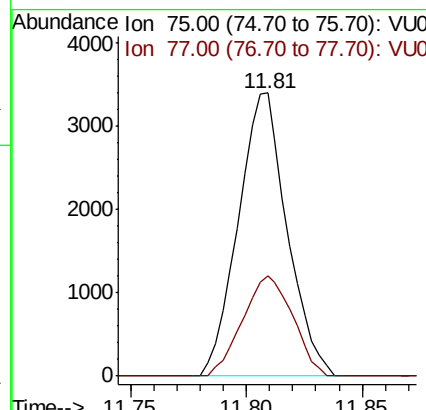
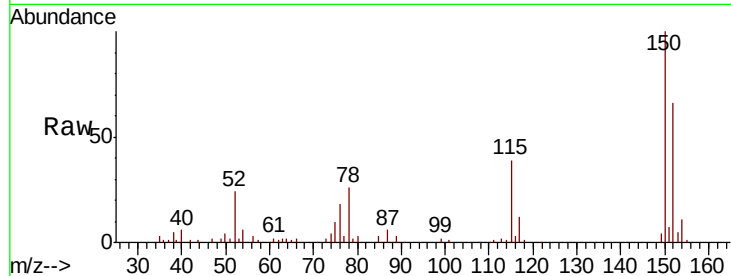




#59
 1,2,3-Trichloropropane
 Concen: 1.268 ug/L
 RT: 11.81 min Scan# 3256
 Delta R.T. 0.99 min
 Lab File: VU039810.D
 Acq: 08 Aug 2020 14:53

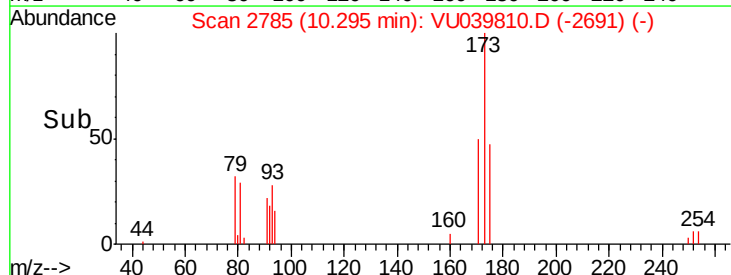
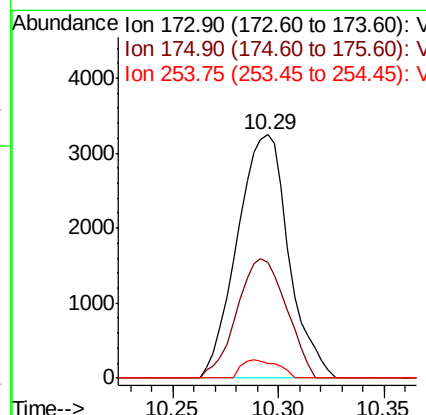
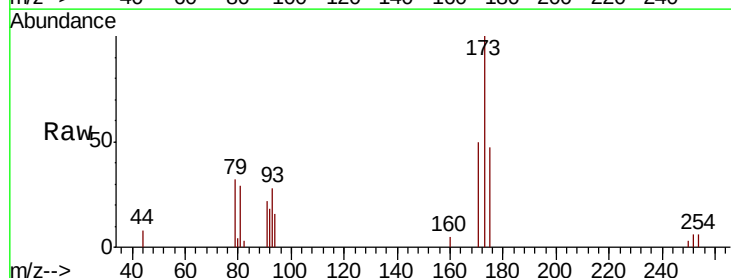
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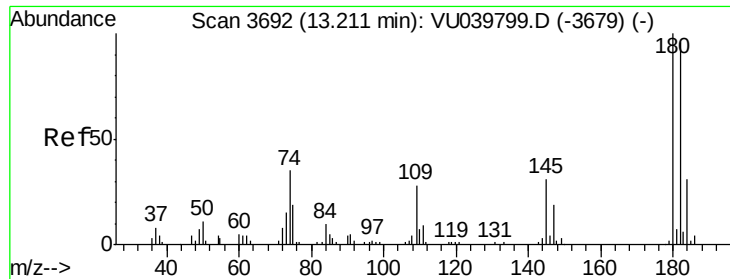
Tot Ion: 75 Resp: 4968
 Ion Ratio Lower Upper
 75 100
 77 36.2 24.6 37.0



#61
 Bromoform
 Concen: 2.242 ug/L
 RT: 10.29 min Scan# 2785
 Delta R.T. 0.00 min
 Lab File: VU039810.D
 Acq: 08 Aug 2020 14:53

Tgt Ion: 173 Resp: 5492
 Ion Ratio Lower Upper
 173 100
 175 47.2 33.8 50.8
 254 5.4 5.5 8.3#





#67

1,3,5-Trichlorobenzene

Concen: 0.155 ug/L

RT: 12.22 min Scan# 3383

Delta R.T. -0.99 min

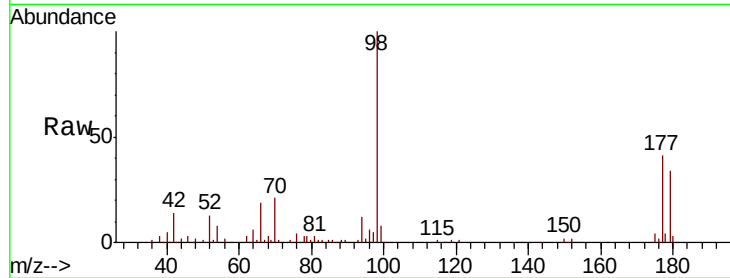
Lab File: VU039810.D

Acq: 08 Aug 2020 14:53

Instrument :

MSVOA_U

ClientSampleId :



Tot Ion:180 Resp: 1246

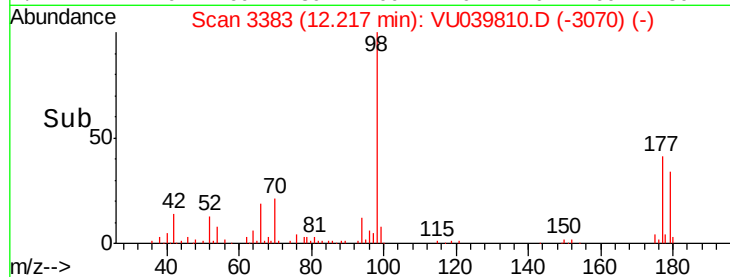
Ion Ratio Lower Upper

180 100

182 0.0 74.9 112.3#

184 0.0 25.3 37.9#

145 0.0 25.0 37.6#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

