

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042020\
 Data File : VU037810.D
 Acq On : 20 Apr 2020 13:44
 Operator : JC/MD
 Sample : L2319-09RE
 Misc : 25mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 21 01:12:49 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	266877	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	258204	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	129825	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	72442	3.59	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.80%
7) Chloroethane-d5	1.93	69	68429	4.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.40%
11) 1,1-Dichloroethene-d2	2.59	63	100194	2.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.80%#
20) 2-Butanone-d5	4.66	46	311407	56.15	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.30%
24) Chloroform-d	5.10	84	148579	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.74	65	90834	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	5.76	84	301251	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.20%
36) 1,2-Dichloropropane-d6	6.72	67	106567	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.80%
41) Toluene-d8	7.92	98	273735	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
43) trans-1,3-Dichloropropene-	8.20	79	43755	4.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.80%
46) 2-Hexanone-d5	8.65	63	264454	50.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.32%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	86701	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
64) 1,2-Dichlorobenzene-d4	12.21	152	106002	4.58	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.60%

Target Compounds

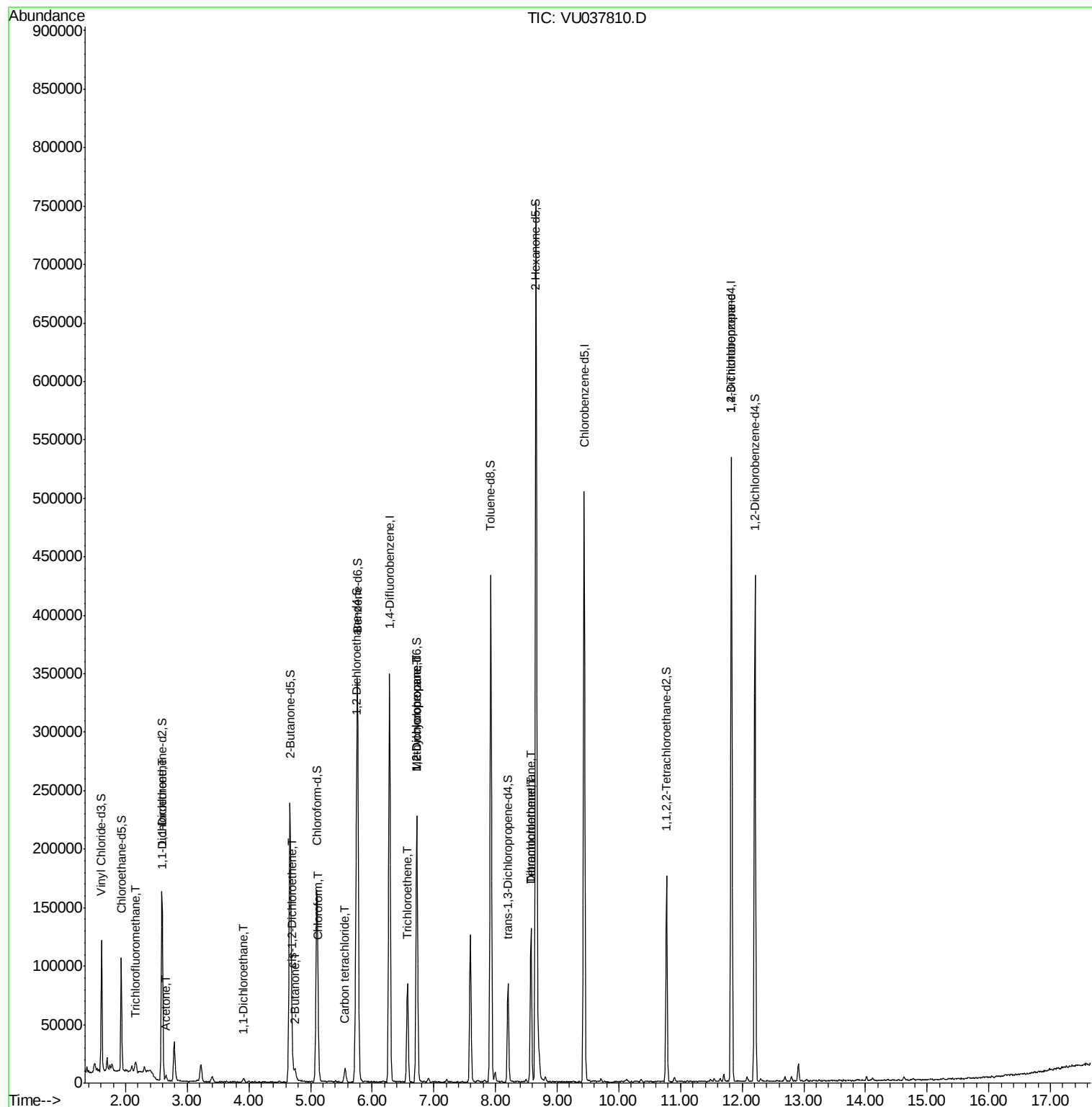
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	2.16	101	3375	0.112	ug/L	92
12) 1,1-Dichloroethene	2.61	96	3670	0.199	ug/L #	1
13) Acetone	2.65	43	5254	1.437	ug/L	99
19) 1,1-Dichloroethane	3.92	63	3531	0.091	ug/L #	82
21) 2-Butanone	4.75	43	11618	1.749	ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	2511	0.116	ug/L	91
25) Chloroform	5.13	83	8616	0.235	ug/L	88
31) Carbon tetrachloride	5.56	117	8061	0.323	ug/L	94
34) Trichloroethene	6.57	95	27424	1.308	ug/L	97
35) Methylcyclohexane	6.72	83	22999	0.626	ug/L #	16
37) 1,2-Dichloropropane	6.72	63	11573	0.511	ug/L #	87
47) Tetrachloroethene	8.57	164	27015	1.793	ug/L	97
49) Dibromochloromethane	8.57	129	25386	1.457	ug/L #	11
59) 1,2,3-Trichloropropane	11.83	75	18376	1.241	ug/L	91

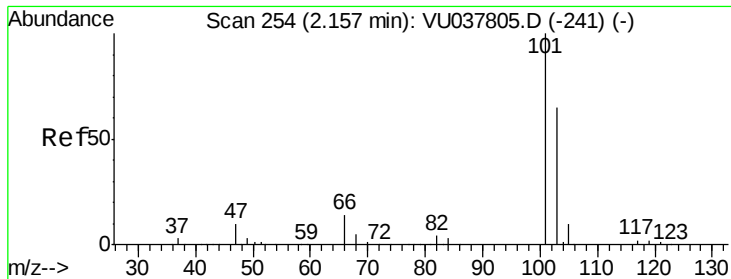
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Apr 21 01:10:29 2020
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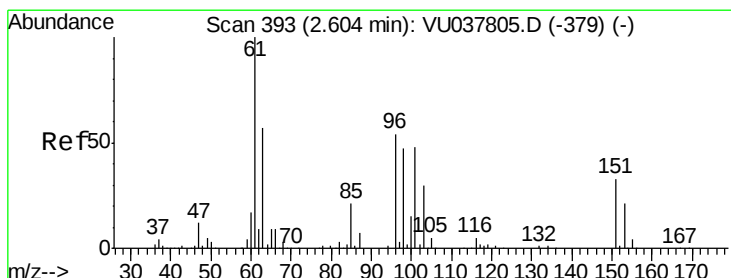
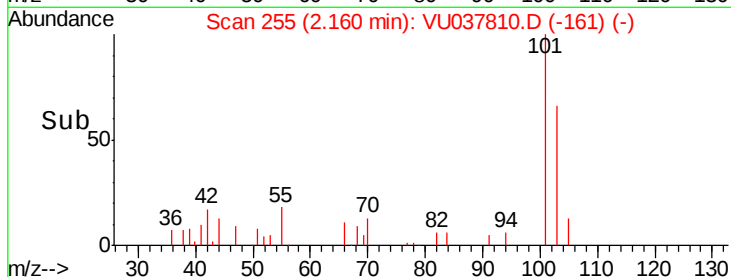
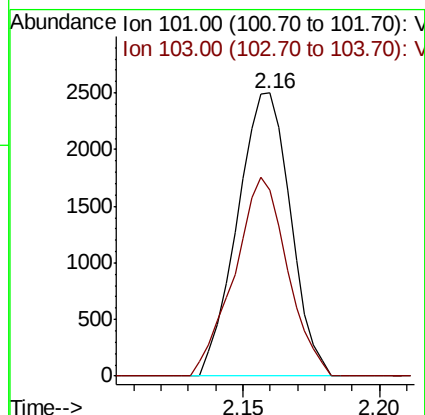
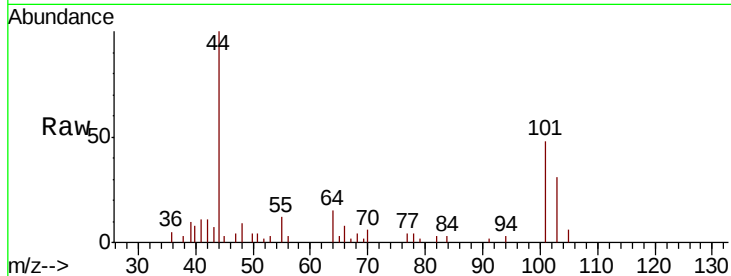


#9

Trichlorofluoromethane
 Concen: 0.112 ug/L
 RT: 2.16 min Scan# 255
 Delta R.T. 0.00 min
 Lab File: VU037810.D
 Acq: 20 Apr 2020 13:44

Instrument :
 MSVOA_U
 ClientSampled :

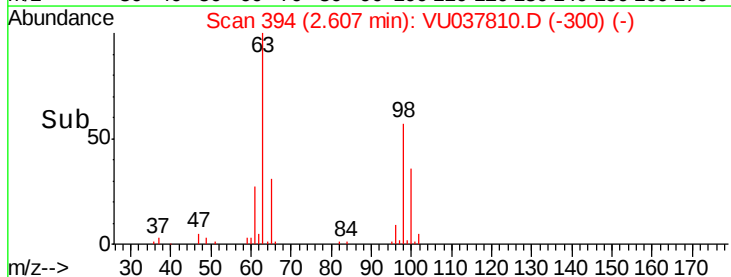
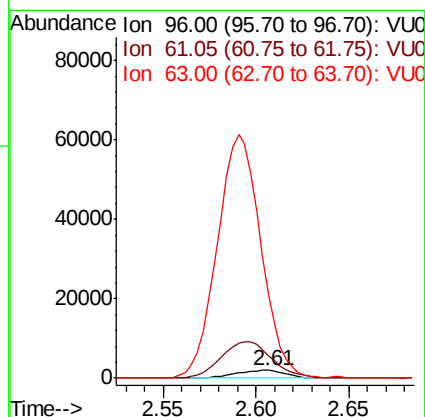
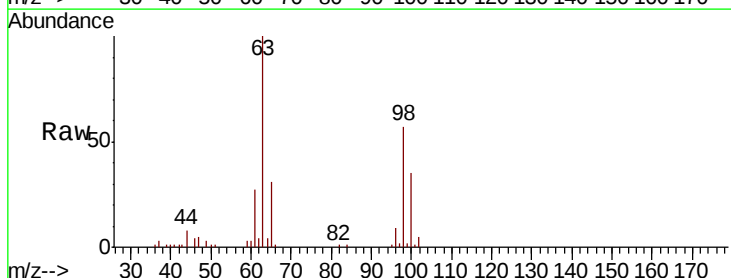
Tot Ion:101 Resp: 3375
 Ion Ratio Lower Upper
 101 100
 103 70.3 51.0 76.6

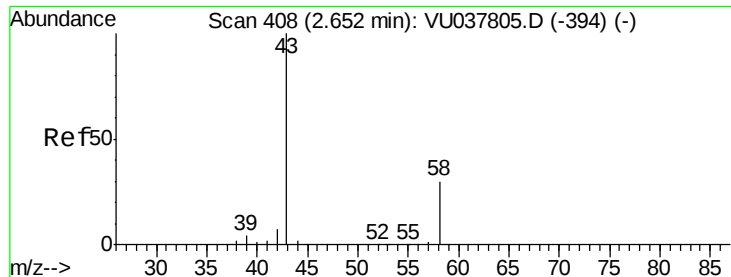


#12

1,1-Dichloroethene
 Concen: 0.199 ug/L
 RT: 2.61 min Scan# 394
 Delta R.T. 0.00 min
 Lab File: VU037810.D
 Acq: 20 Apr 2020 13:44

Tgt Ion: 96 Resp: 3670
 Ion Ratio Lower Upper
 96 100
 61 295.1 127.7 237.3#
 63 1106.6 85.0 157.8#





#13

Acetone

Concen: 1.437 ug/L

RT: 2.65 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037810.D

Acq: 20 Apr 2020 13:44

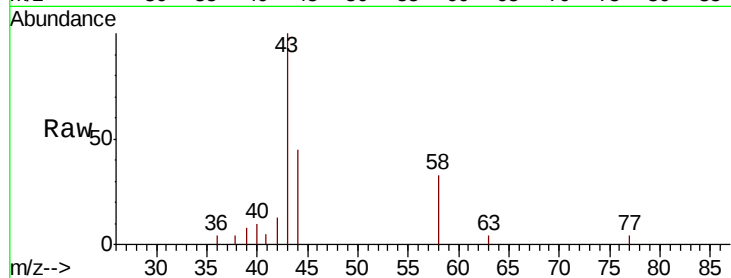
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 5254

Ion Ratio Lower Upper

43 100

58 31.9 0.0 64.8



Abundance Ion 43.05 (42.75 to 43.75): VU037810.D (-315) (-)

Ion 58.05 (57.75 to 58.75): VU037810.D (-315) (-)

Time-->

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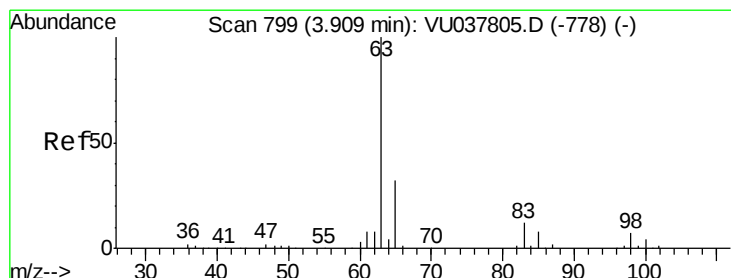
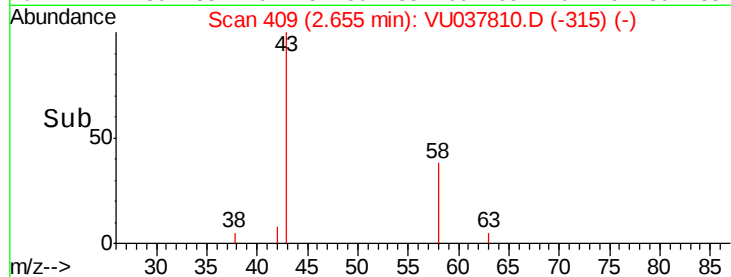
2.65

2.65

2.65

2.65

2.65



#19

1,1-Dichloroethane

Concen: 0.091 ug/L

RT: 3.92 min Scan# 801

Delta R.T. 0.01 min

Lab File: VU037810.D

Acq: 20 Apr 2020 13:44

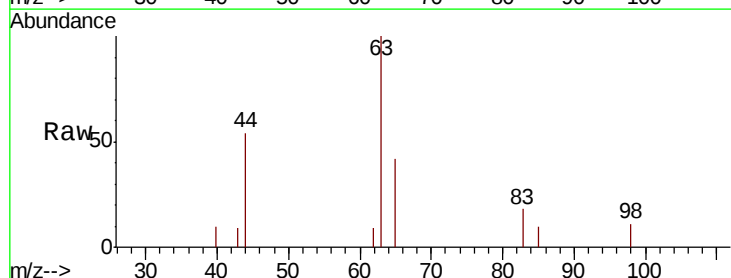
Tgt Ion: 63 Resp: 3531

Ion Ratio Lower Upper

63 100

65 42.1 21.6 40.2#

83 17.6 8.6 16.0#



Abundance Ion 63.10 (62.80 to 63.80): VU037810.D (-706) (-)

Ion 65.10 (64.80 to 65.80): VU037810.D (-706) (-)

Ion 83.05 (82.75 to 83.75): VU037810.D (-706) (-)

Time-->

3.92

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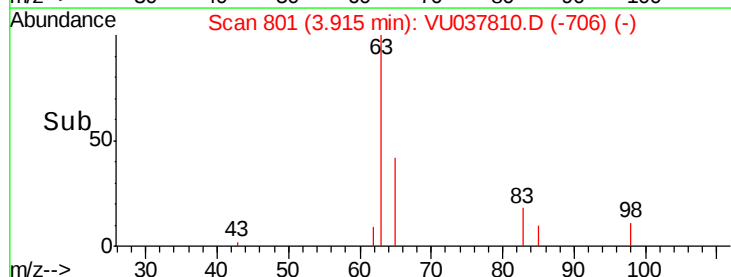
3.92

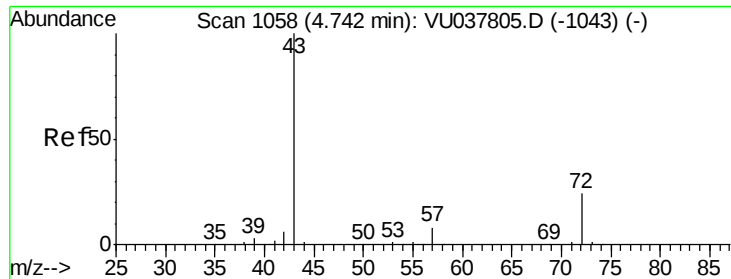
3.92

3.92

3.92

3.92





#21

2-Butanone

Concen: 1.749 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. 0.01 min

Lab File: VU037810.D

Acq: 20 Apr 2020 13:44

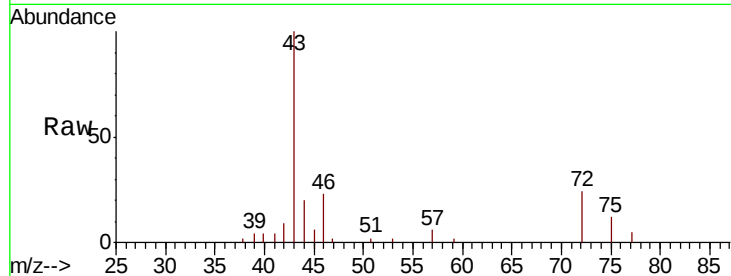
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 11618

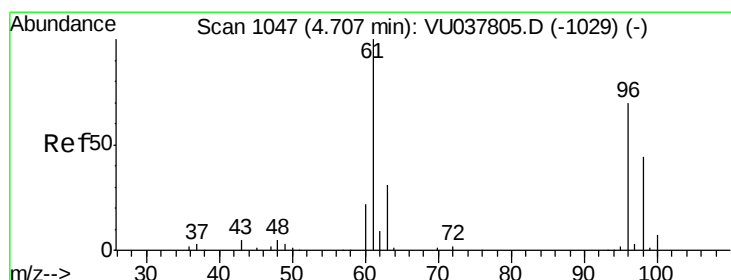
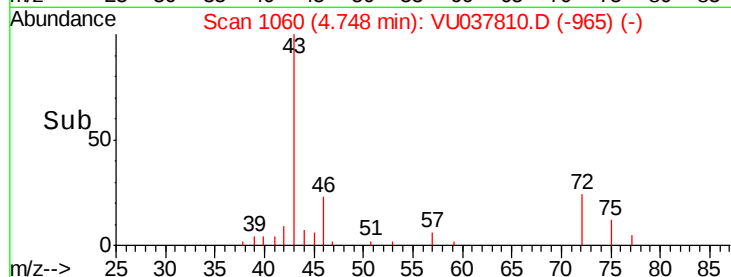
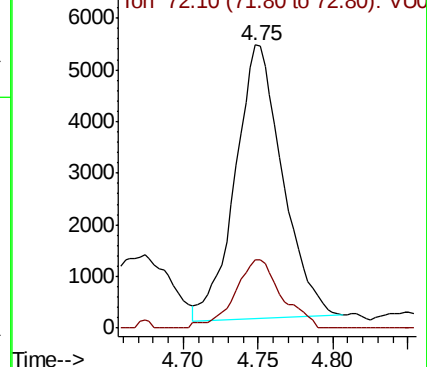
Ion Ratio Lower Upper

43 100

72 24.8 12.6 37.6



Abundance Ion 43.05 (42.75 to 43.75): VU037810.D (-965) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.116 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037810.D

Acq: 20 Apr 2020 13:44

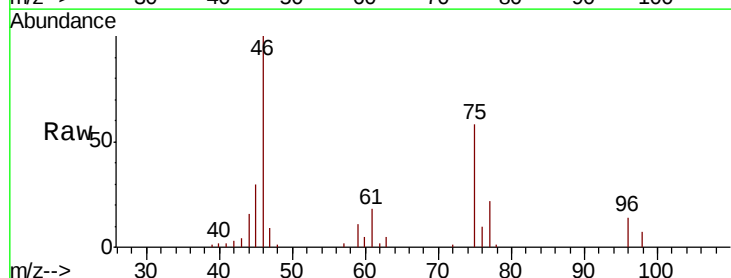
Tgt Ion: 96 Resp: 2511

Ion Ratio Lower Upper

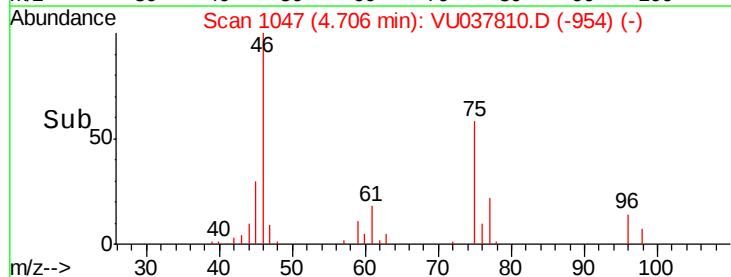
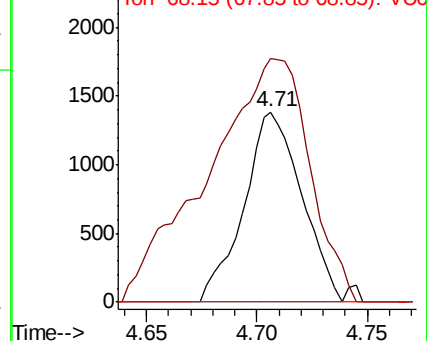
96 100

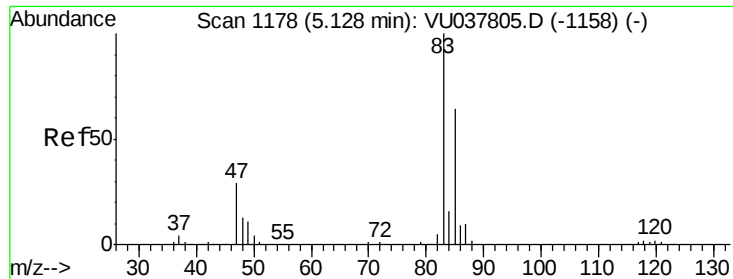
61 127.9 97.0 180.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037810.D (-954) (-)

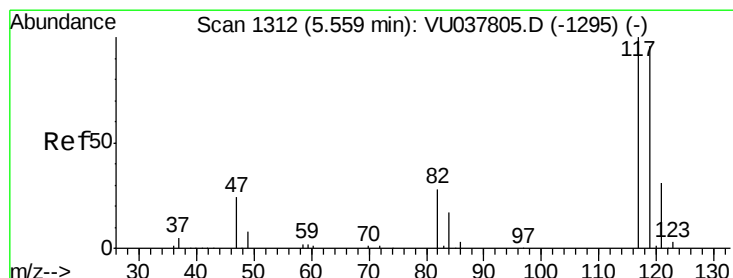
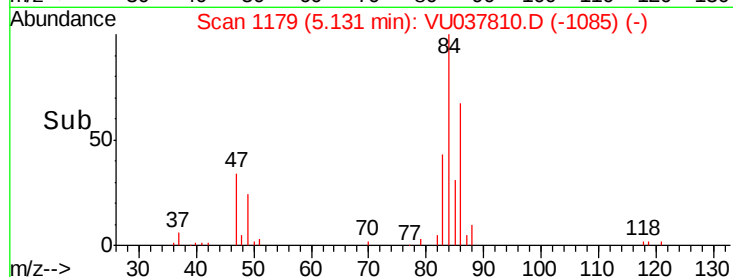
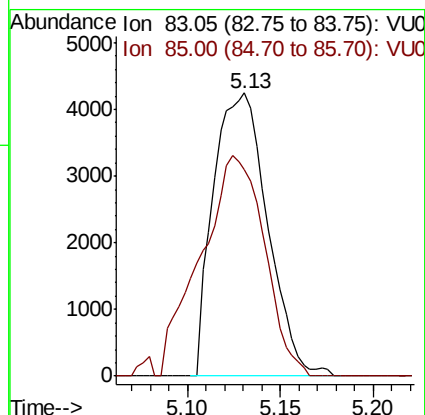
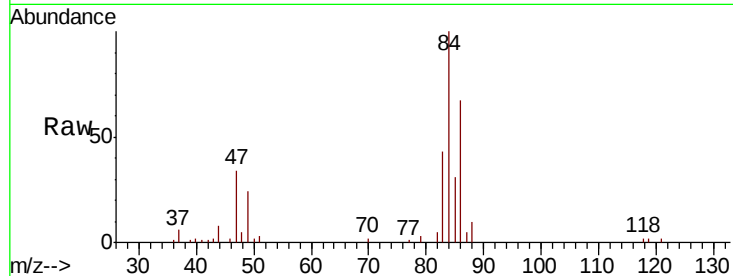




#25
Chloroform
Concen: 0.235 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU037810.D
Acq: 20 Apr 2020 13:44

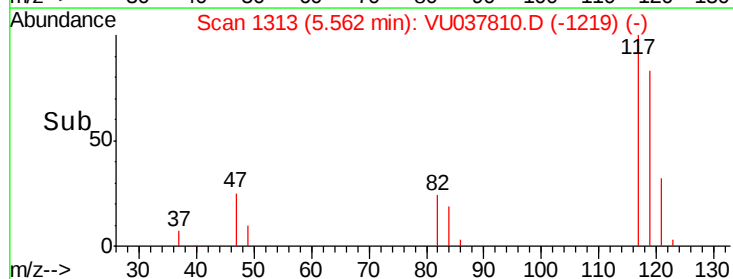
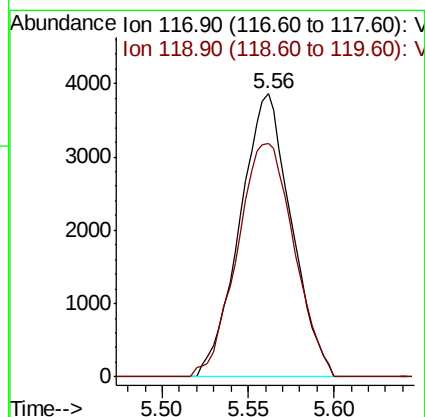
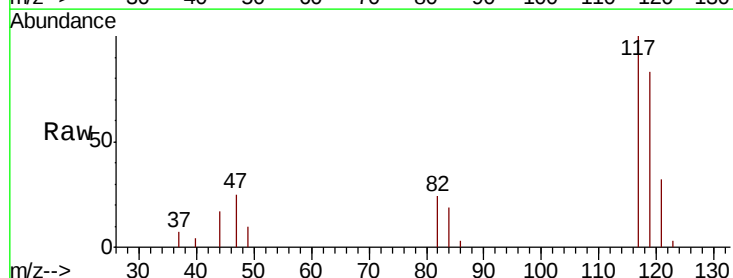
Instrument :
MSVOA_U
ClientSampleId :

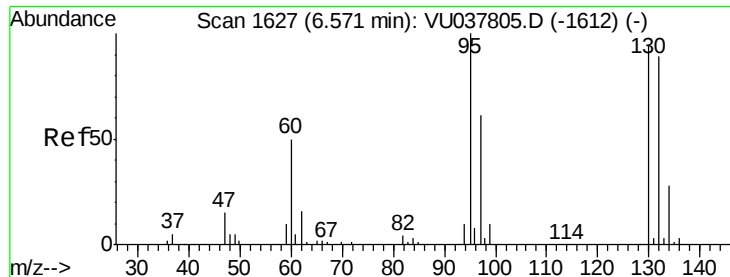
Tot Ion: 83 Resp: 8616
Ion Ratio Lower Upper
83 100
85 73.1 44.9 83.3



#31
Carbon tetrachloride
Concen: 0.323 ug/L
RT: 5.56 min Scan# 1313
Delta R.T. 0.00 min
Lab File: VU037810.D
Acq: 20 Apr 2020 13:44

Tgt Ion: 117 Resp: 8061
Ion Ratio Lower Upper
117 100
119 90.5 77.4 116.0





#34

Trichloroethene

Concen: 1.308 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU037810.D

Acq: 20 Apr 2020 13:44

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 27424

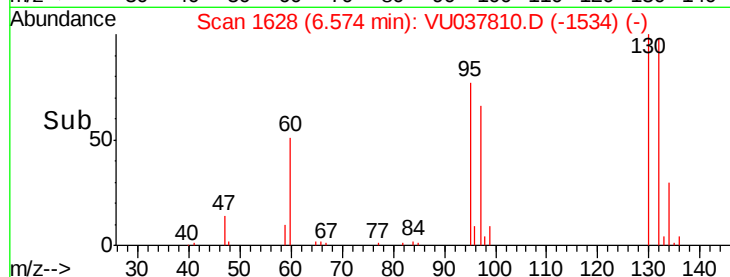
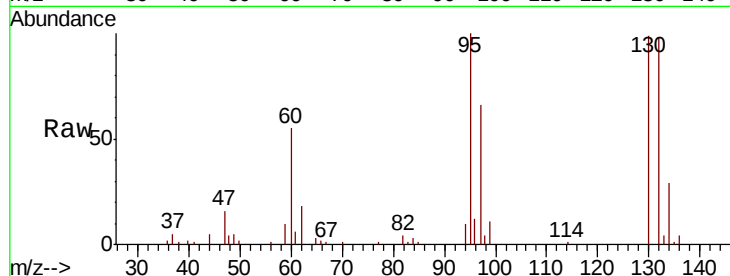
Ion Ratio Lower Upper

95 100

97 65.6 45.4 84.2

132 97.5 63.7 118.3

130 99.3 68.7 127.5

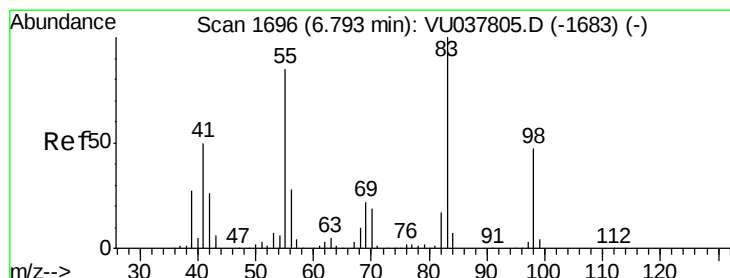
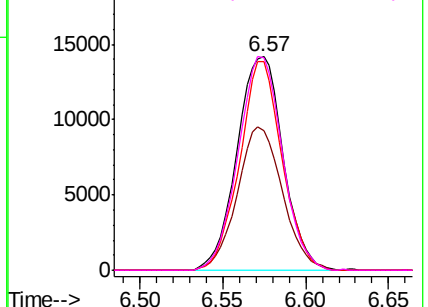


Abundance Ion 95.00 (94.70 to 95.70): VU0

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

Methylcyclohexane

Concen: 0.626 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.07 min

Lab File: VU037810.D

Acq: 20 Apr 2020 13:44

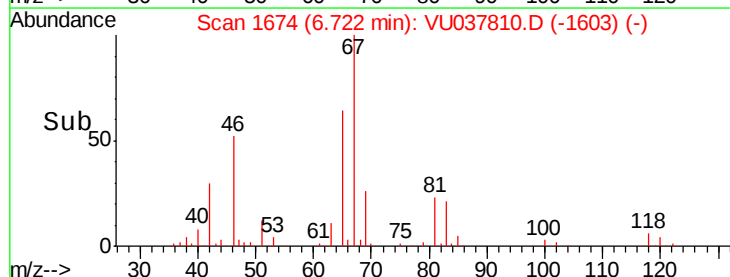
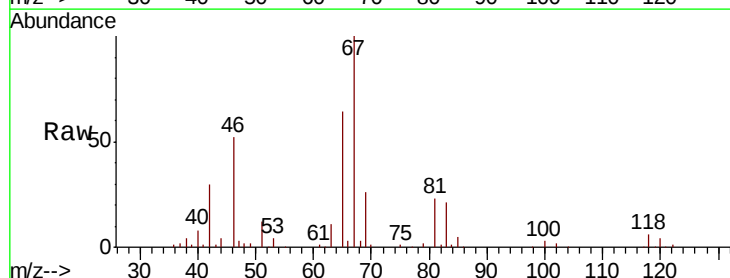
Tgt Ion: 83 Resp: 22999

Ion Ratio Lower Upper

83 100

55 0.3 65.5 98.3#

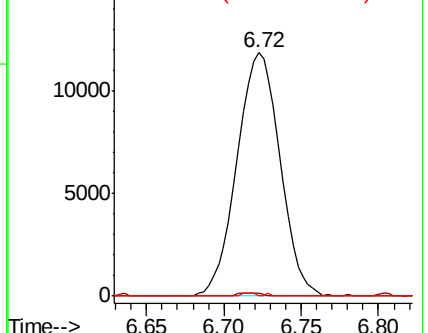
98 0.1 38.2 57.4#

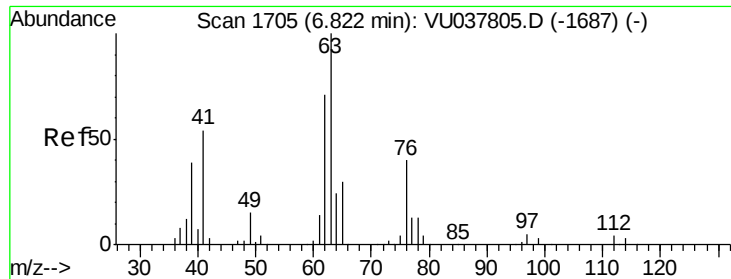


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

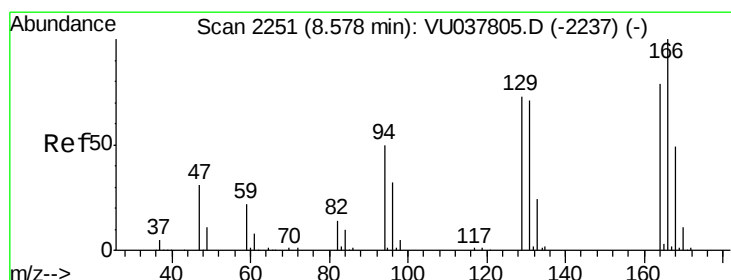
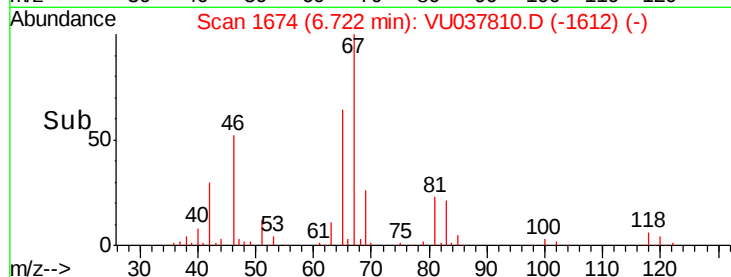
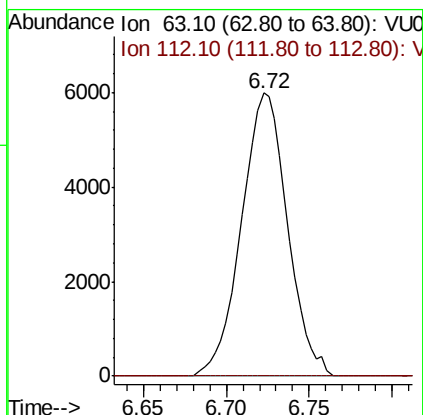
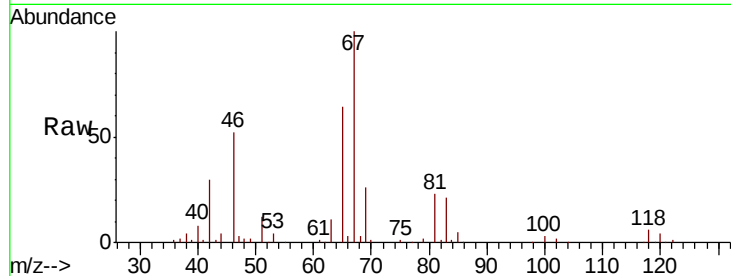




#37
 1,2-Dichloropropane
 Concen: 0.511 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU037810.D
 Acq: 20 Apr 2020 13:44

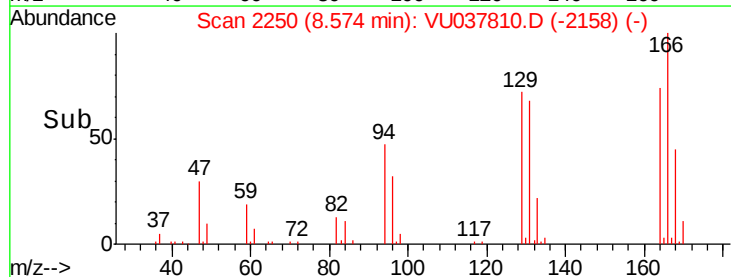
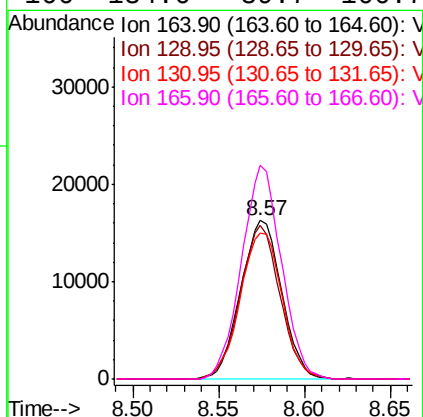
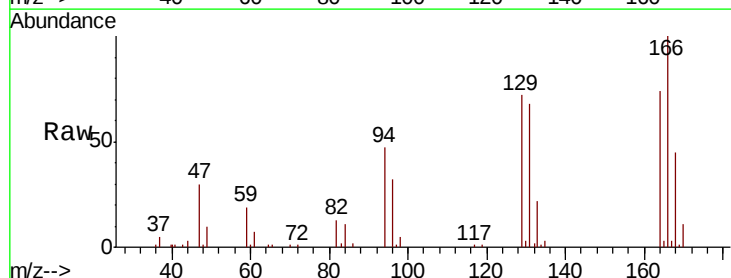
Instrument :
 MSVOA_U
 ClientSampled :

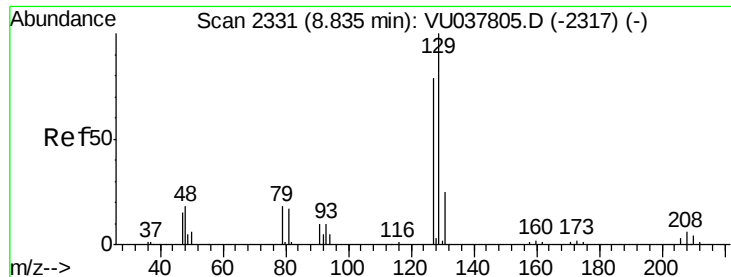
Tot Ion: 63 Resp: 11573
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#47
 Tetrachloroethene
 Concen: 1.793 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU037810.D
 Acq: 20 Apr 2020 13:44

Tgt Ion:164 Resp: 27015
 Ion Ratio Lower Upper
 164 100
 129 96.5 68.1 126.5
 131 92.1 65.9 122.5
 166 134.6 89.7 166.7

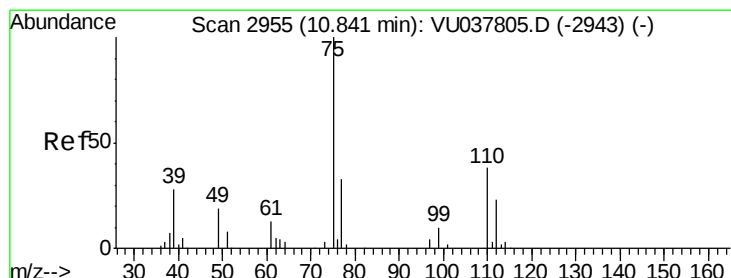
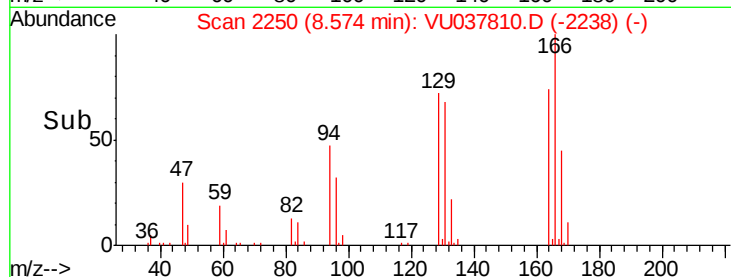
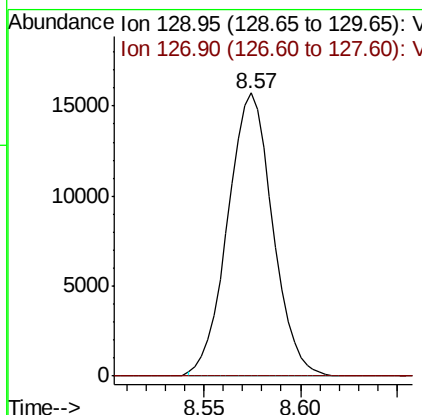
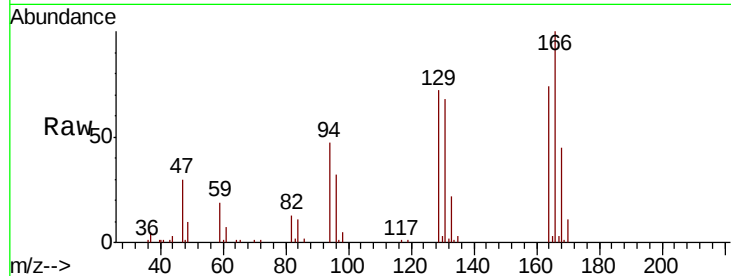




#49
 Dibromochloromethane
 Concen: 1.457 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.26 min
 Lab File: VU037810.D
 Acq: 20 Apr 2020 13:44

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:129 Resp: 25386
 Ion Ratio Lower Upper
 129 100
 127 0.0 53.3 98.9#



#59
 1,2,3-Trichloropropane
 Concen: 1.241 ug/L
 RT: 11.83 min Scan# 3261
 Delta R.T. 0.98 min
 Lab File: VU037810.D
 Acq: 20 Apr 2020 13:44

Tgt Ion: 75 Resp: 18376
 Ion Ratio Lower Upper
 75 100
 77 37.0 25.4 38.2

