

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041620\
 Data File : VU037760.D
 Acq On : 16 Apr 2020 17:32
 Operator : JC/MD
 Sample : L2292-09
 Misc : 25mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 17 01:37:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 17 01:29:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	270438	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	263154	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	124990	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	90338	4.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.20%
7) Chloroethane-d5	1.93	69	78835	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.20%
11) 1,1-Dichloroethene-d2	2.59	63	123697	3.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.00%
20) 2-Butanone-d5	4.66	46	277264	49.33	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.66%
24) Chloroform-d	5.10	84	147762	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
26) 1,2-Dichloroethane-d4	5.74	65	90324	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
32) Benzene-d6	5.76	84	331028	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
36) 1,2-Dichloropropane-d6	6.72	67	110898	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.80%
41) Toluene-d8	7.92	98	297613	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
43) trans-1,3-Dichloropropene-	8.20	79	46445	4.47	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.40%
46) 2-Hexanone-d5	8.65	63	242888	45.65	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.30%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	84237	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.20%
64) 1,2-Dichlorobenzene-d4	12.21	152	107501	4.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.60	96	8575	0.459	ug/L #	1
13) Acetone	2.66	43	9022	2.435	ug/L	93
17) Methyl tert-butyl Ether	3.40	73	9338	0.173	ug/L #	90
19) 1,1-Dichloroethane	3.91	63	48892	1.249	ug/L	98
22) cis-1,2-Dichloroethene	4.71	96	16556	0.757	ug/L	91
25) Chloroform	5.12	83	28216	0.759	ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	21279	0.666	ug/L	98
31) Carbon tetrachloride	5.36	117	2895	0.114	ug/L	89
34) Trichloroethene	6.57	95	1110435	51.968	ug/L	97
35) Methylcyclohexane	6.72	83	24478	0.654	ug/L #	16
37) 1,2-Dichloropropane	6.72	63	11159	0.484	ug/L #	87
39) cis-1,3-Dichloropropene	7.59	75	2657	0.074	ug/L #	69
47) Tetrachloroethene	8.57	164	25329	1.650	ug/L	96
49) Dibromochloromethane	8.57	129	23732	1.336	ug/L #	11
59) 1,2,3-Trichloropropane	11.83	75	17951	1.189	ug/L	93

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Apr 17 01:29:02 2020
Response via : Initial Calibration

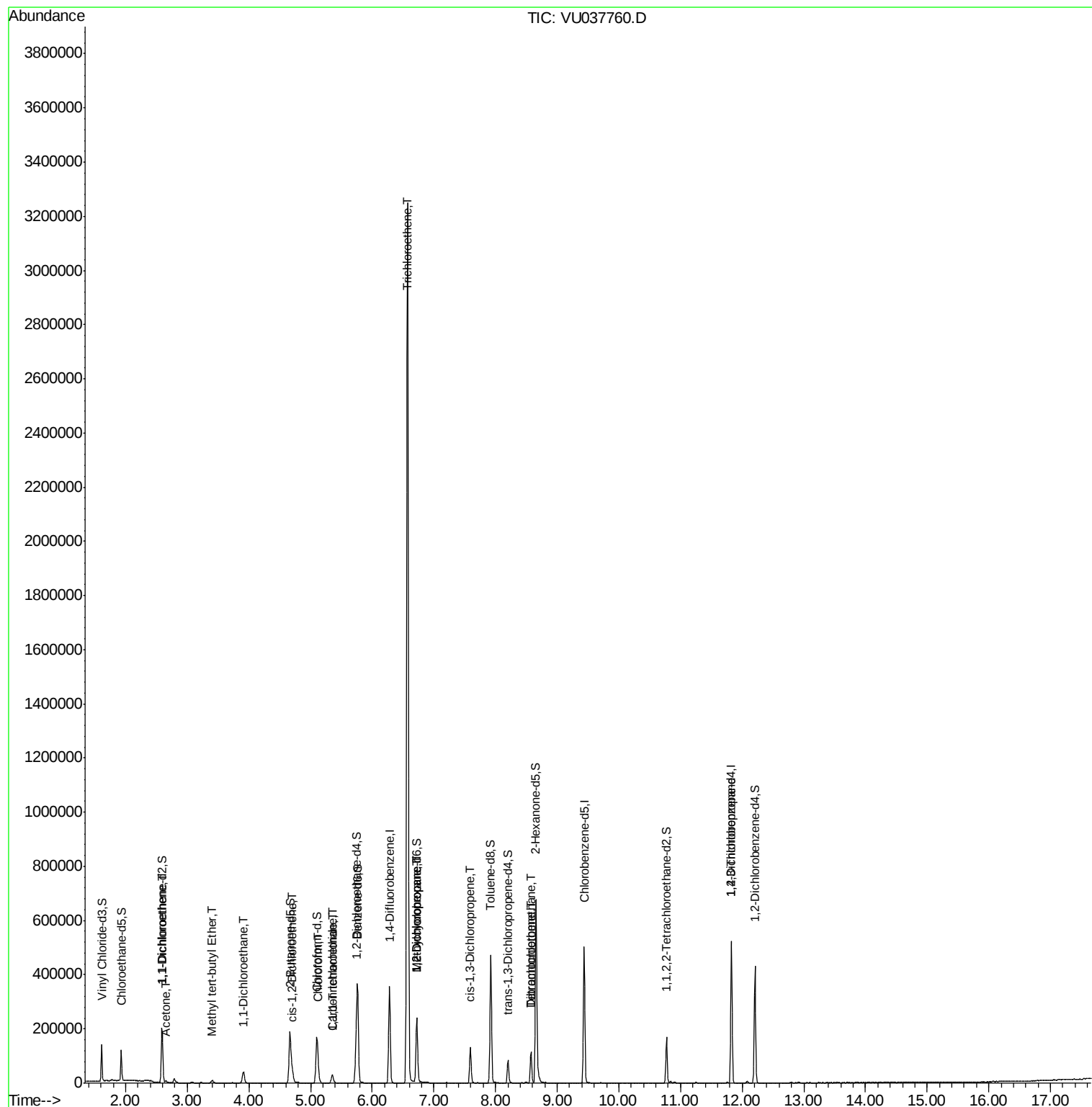
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

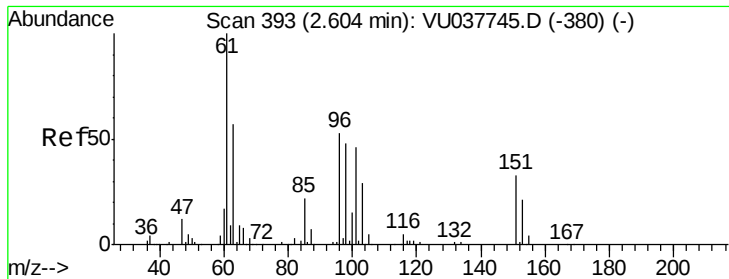
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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Data File : VU037760.D
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#12

1,1-Dichloroethene

Concen: 0.459 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037760.D

Acq: 16 Apr 2020 17:32

Instrument :

MSVOA_U

ClientSampleId :

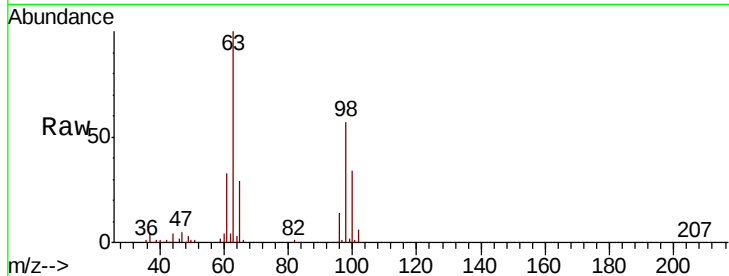
Tot Ion: 96 Resp: 8575

Ion Ratio Lower Upper

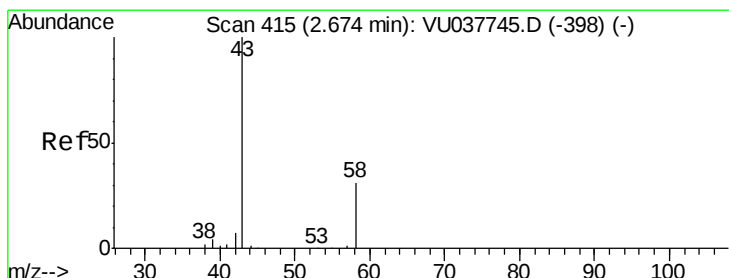
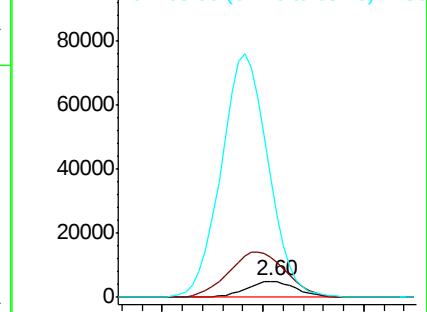
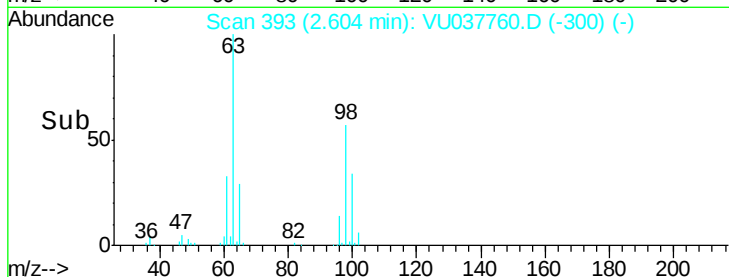
96 100

61 245.9 127.7 237.3#

63 736.2 85.0 157.8#



Abundance Ion 96.00 (95.70 to 96.70): VU037760.D (-300) (-)



#13

Acetone

Concen: 2.435 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.02 min

Lab File: VU037760.D

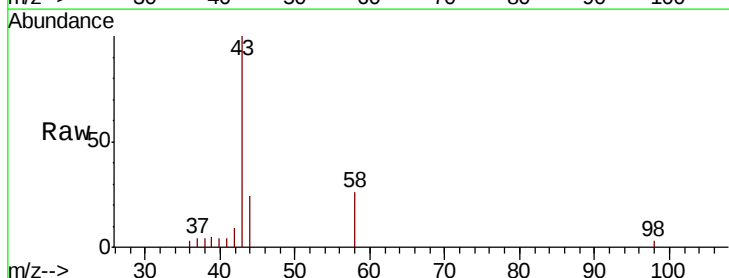
Acq: 16 Apr 2020 17:32

Tgt Ion: 43 Resp: 9022

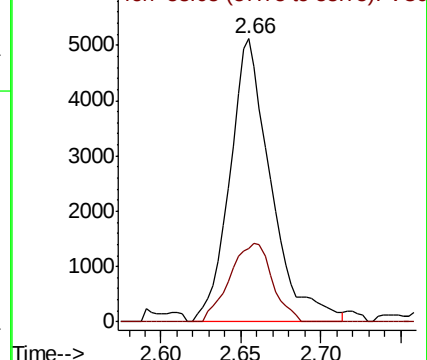
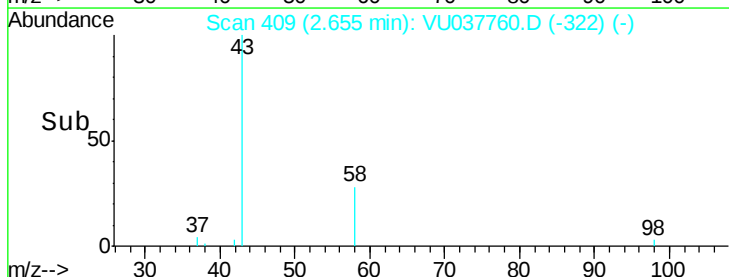
Ion Ratio Lower Upper

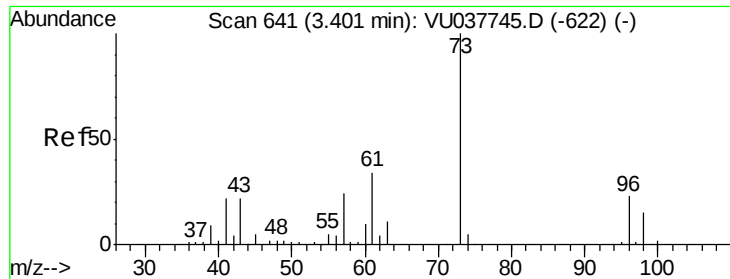
43 100

58 28.4 0.0 64.8



Abundance Ion 43.05 (42.75 to 43.75): VU037760.D (-322) (-)

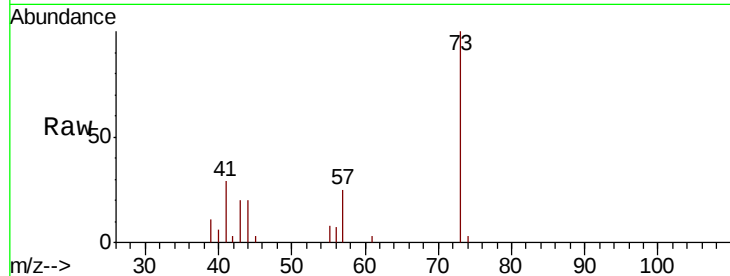




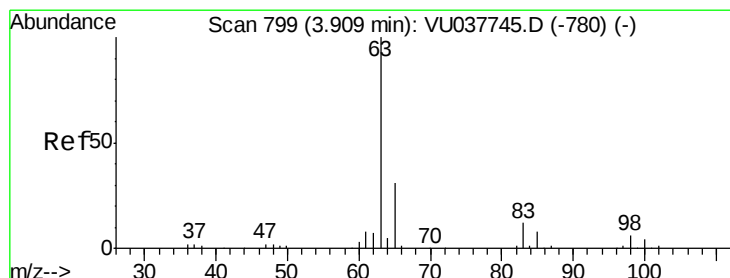
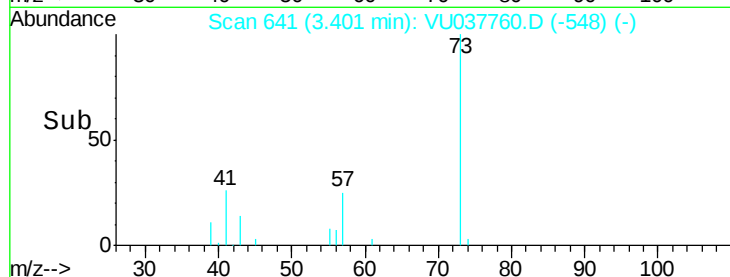
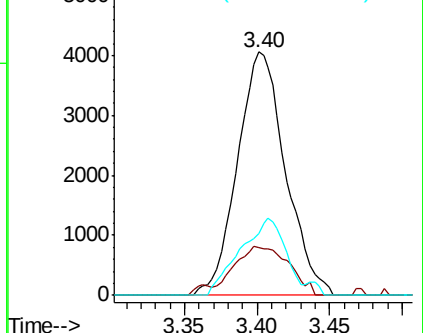
#17
Methvl tert-butvl Ether
Concen: 0.173 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU037760.D
Acq: 16 Apr 2020 17:32

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 73 Resp: 9338
Ion Ratio Lower Upper
73 100
43 22.6 16.4 24.6
57 30.0 18.4 27.6#

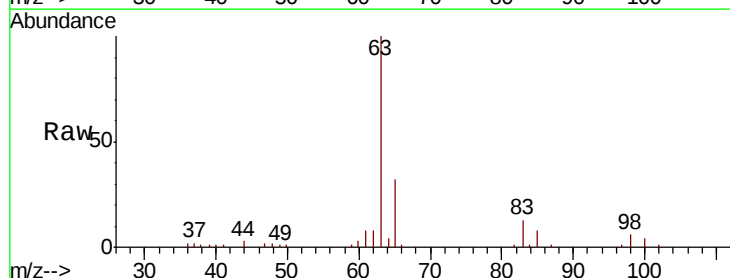


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

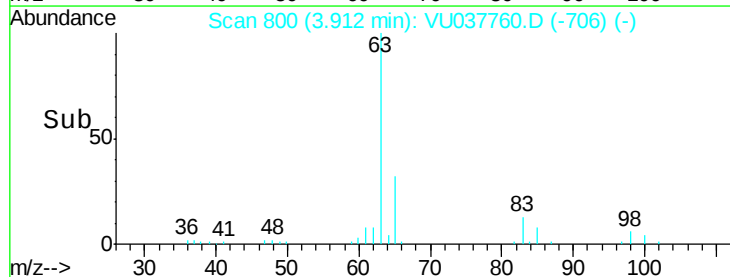
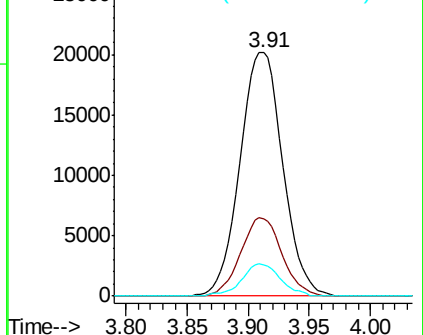


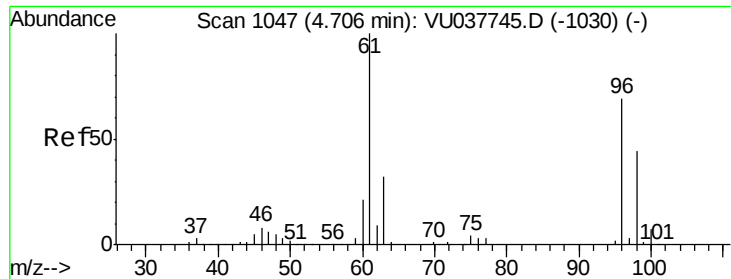
#19
1,1-Dichloroethane
Concen: 1.249 ug/L
RT: 3.91 min Scan# 800
Delta R.T. 0.00 min
Lab File: VU037760.D
Acq: 16 Apr 2020 17:32

Tgt Ion: 63 Resp: 48892
Ion Ratio Lower Upper
63 100
65 31.8 21.6 40.2
83 13.0 8.6 16.0



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0

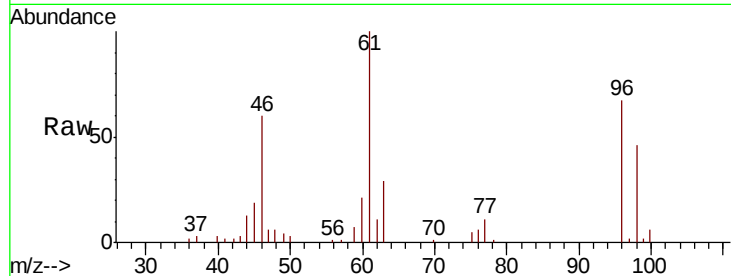




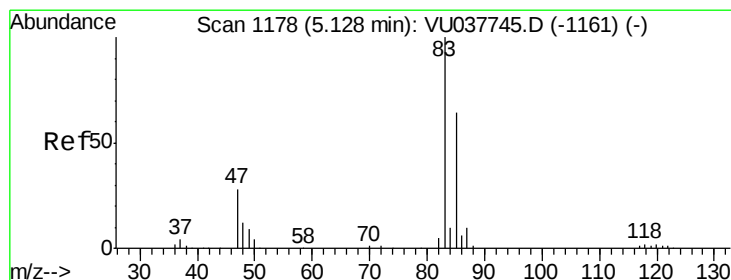
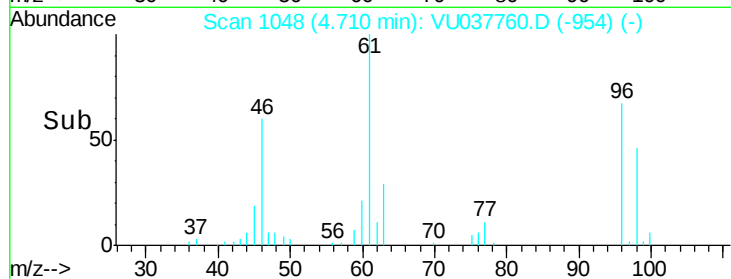
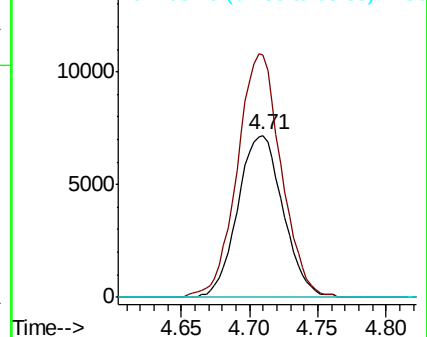
#22
 cis-1,2-Dichloroethene
 Concen: 0.757 ug/L
 RT: 4.71 min Scan# 1048
 Delta R.T. 0.00 min
 Lab File: VU037760.D
 Acq: 16 Apr 2020 17:32

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 96 Resp: 16556
 Ion Ratio Lower Upper
 96 100
 61 149.9 97.0 180.2
 68 0.0 0.0 0.0

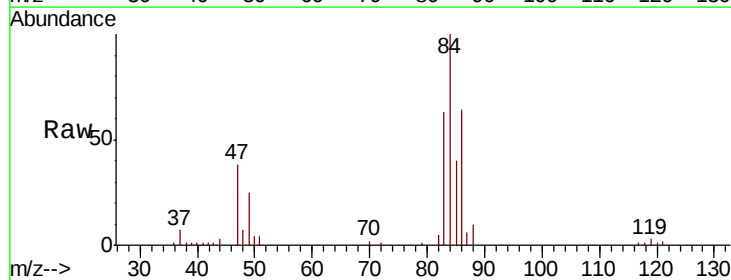


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

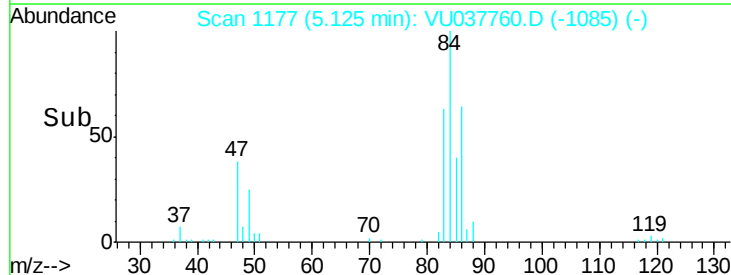
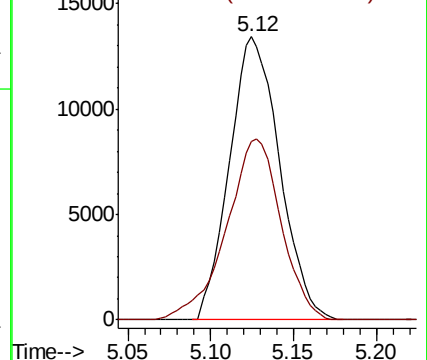


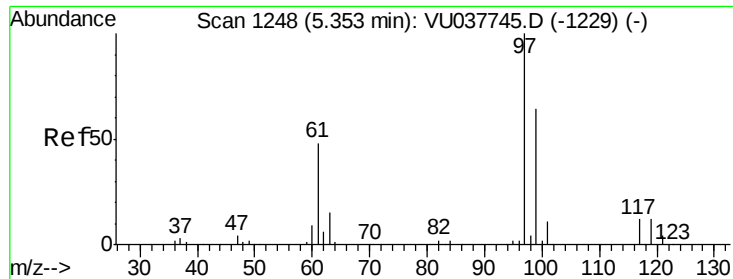
#25
 Chloroform
 Concen: 0.759 ug/L
 RT: 5.12 min Scan# 1177
 Delta R.T. -0.00 min
 Lab File: VU037760.D
 Acq: 16 Apr 2020 17:32

Tgt Ion: 83 Resp: 28216
 Ion Ratio Lower Upper
 83 100
 85 63.3 44.9 83.3



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

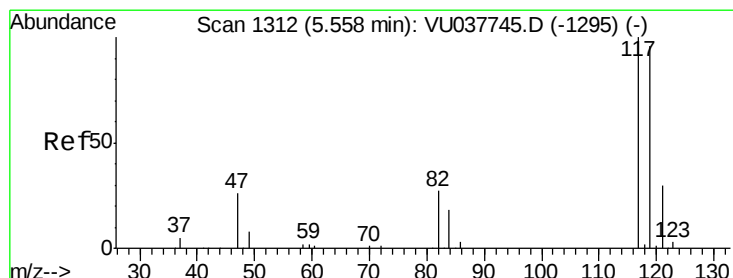
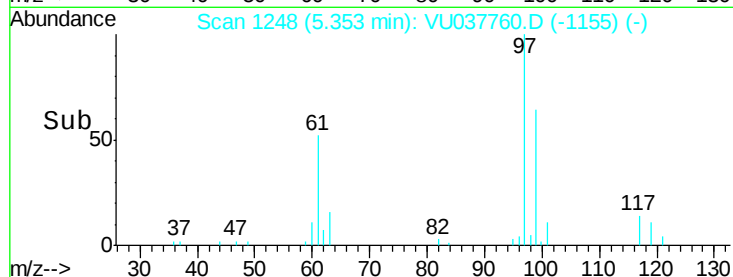
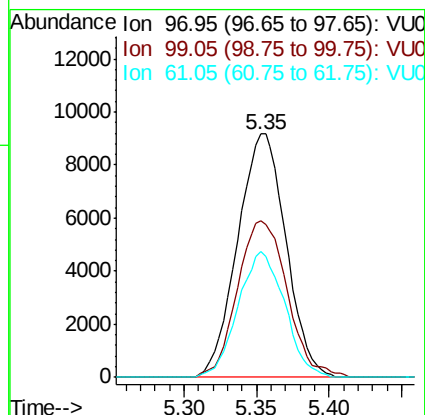
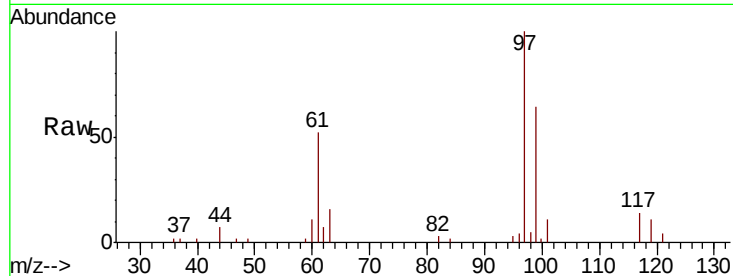




#29
 1,1,1-Trichloroethane
 Concen: 0.666 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU037760.D
 Acq: 16 Apr 2020 17:32

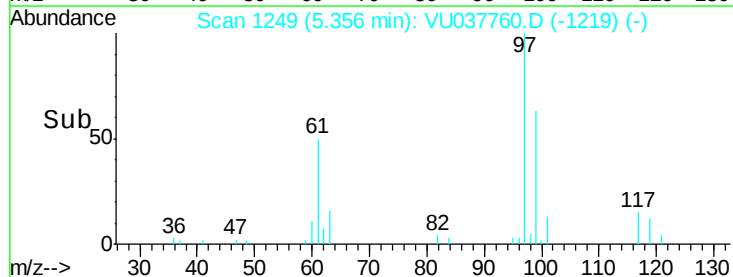
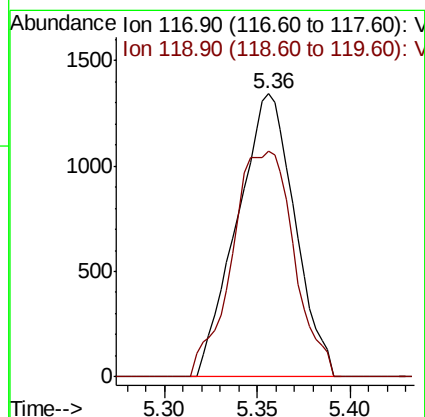
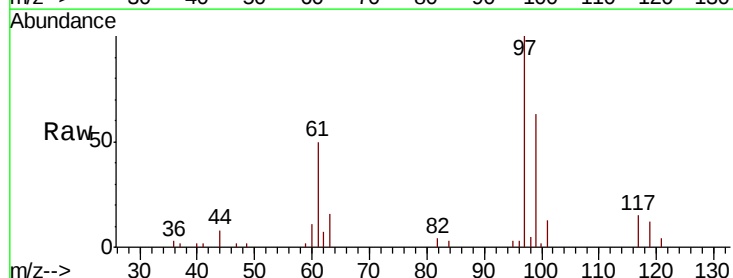
Instrument :
 MSVOA_U
 ClientSampleId :

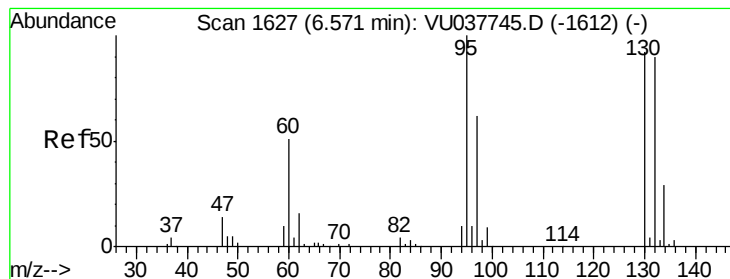
Tot Ion: 97 Resp: 21279
 Ion Ratio Lower Upper
 97 100
 99 66.3 52.0 78.0
 61 49.7 37.8 56.8



#31
 Carbon tetrachloride
 Concen: 0.114 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. -0.20 min
 Lab File: VU037760.D
 Acq: 16 Apr 2020 17:32

Tgt Ion: 117 Resp: 2895
 Ion Ratio Lower Upper
 117 100
 119 85.7 77.4 116.0





#34

Trichloroethene

Concen: 51.968 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU037760.D

Acq: 16 Apr 2020 17:32

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 1110435

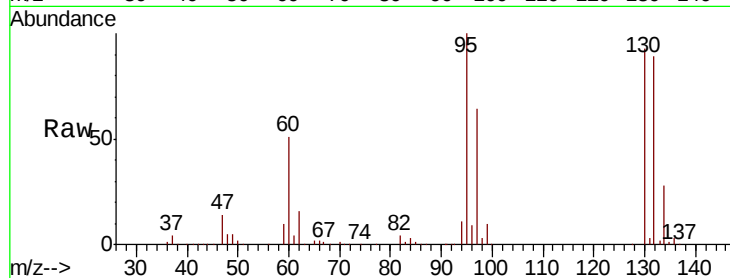
Ion Ratio Lower Upper

95 100

97 64.0 45.4 84.2

132 88.5 63.7 118.3

130 93.4 68.7 127.5

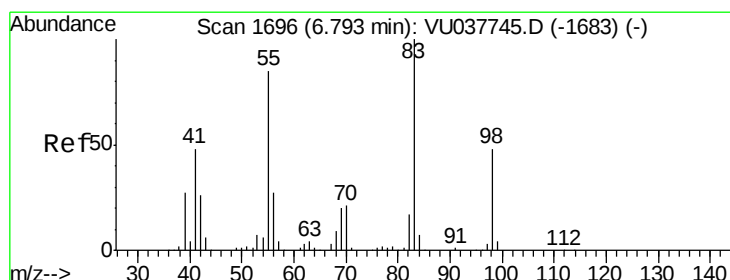
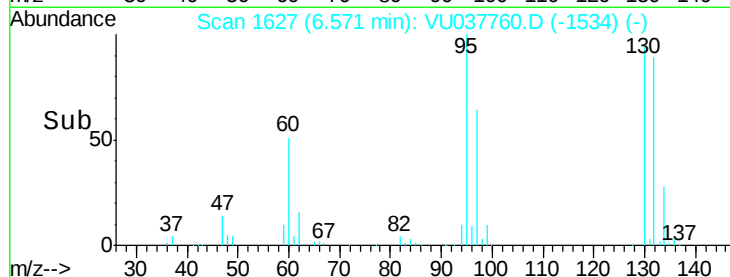
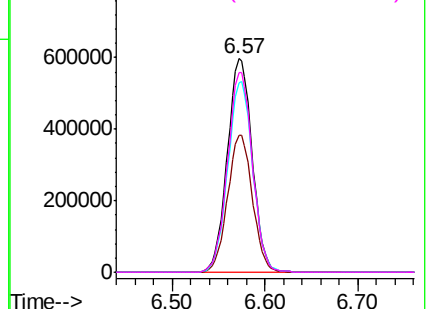


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.654 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.07 min

Lab File: VU037760.D

Acq: 16 Apr 2020 17:32

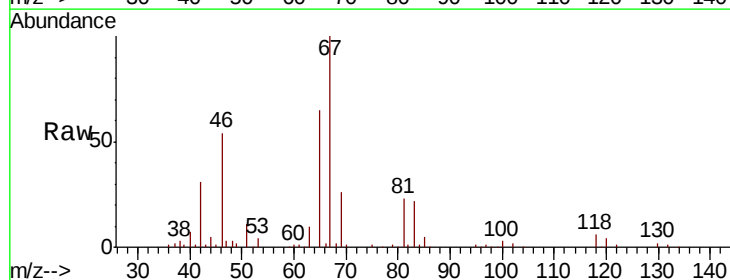
Tgt Ion: 83 Resp: 24478

Ion Ratio Lower Upper

83 100

55 0.3 65.5 98.3#

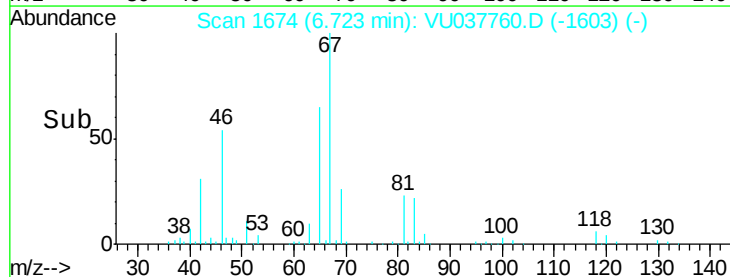
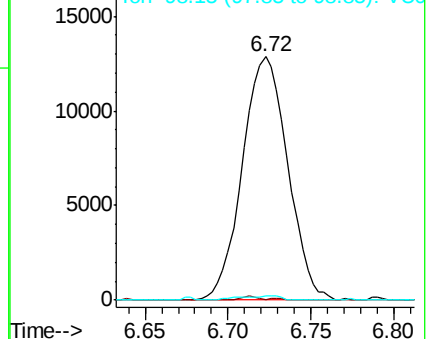
98 0.0 38.2 57.4#

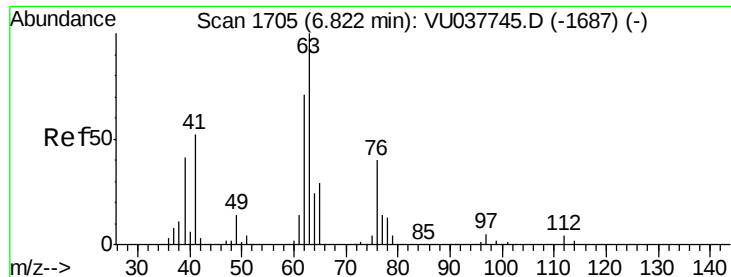


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

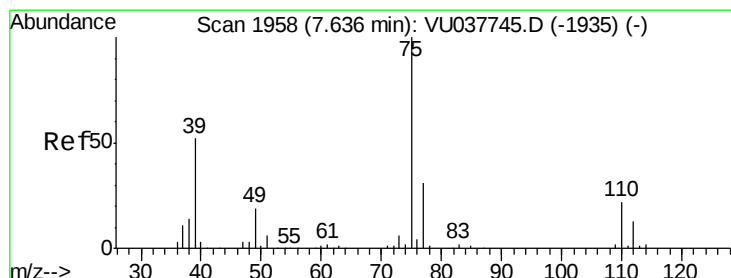
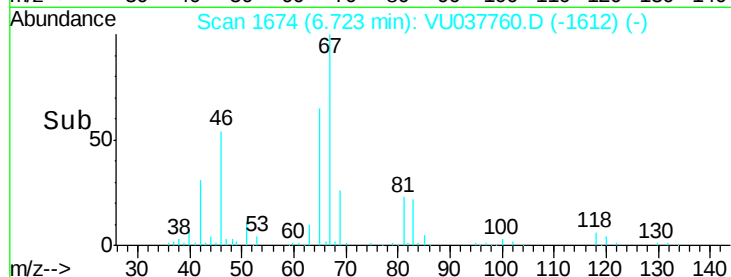
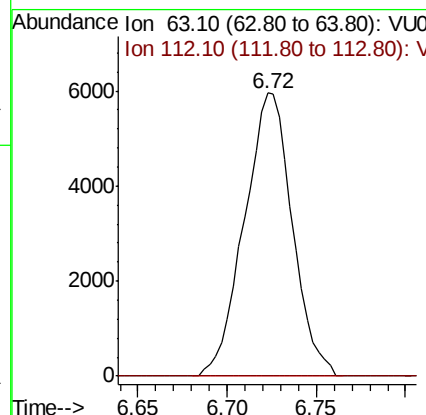
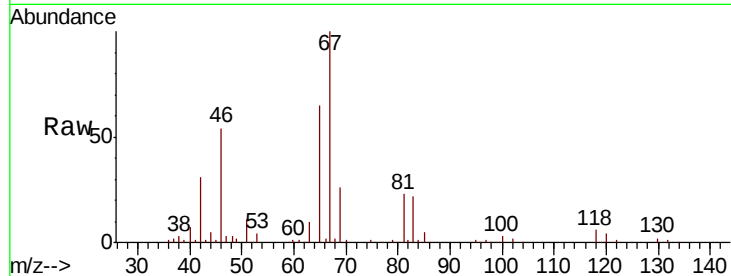




#37
 1,2-Dichloropropane
 Concen: 0.484 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU037760.D
 Acq: 16 Apr 2020 17:32

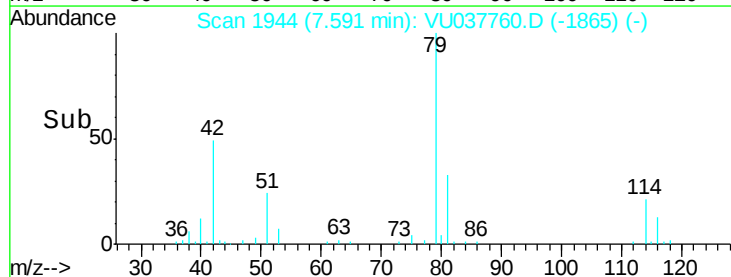
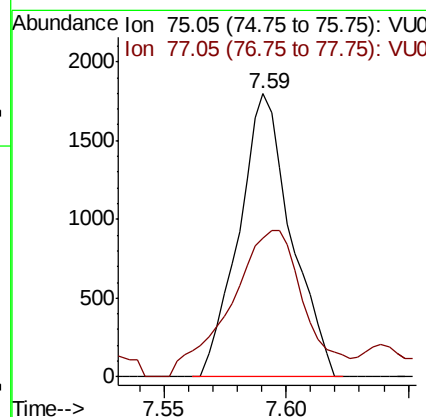
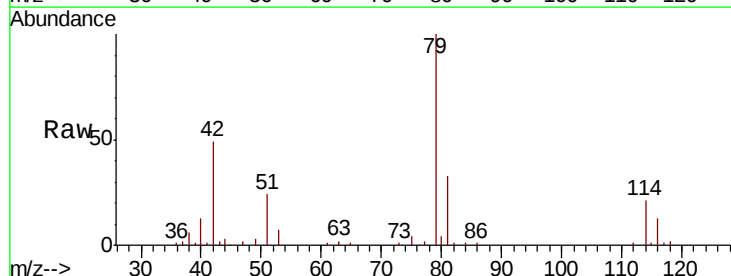
Instrument :
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 ClientSampleId :

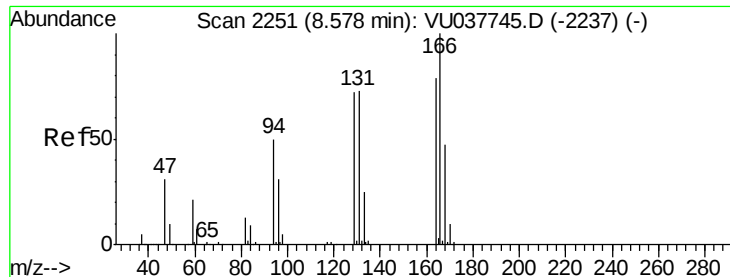
Tot Ion: 63 Resp: 11159
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#39
 cis-1,3-Dichloropropene
 Concen: 0.074 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU037760.D
 Acq: 16 Apr 2020 17:32

Tgt Ion: 75 Resp: 2657
 Ion Ratio Lower Upper
 75 100
 77 48.9 22.2 41.2#

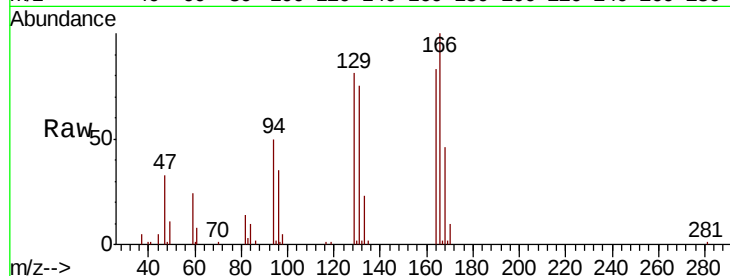




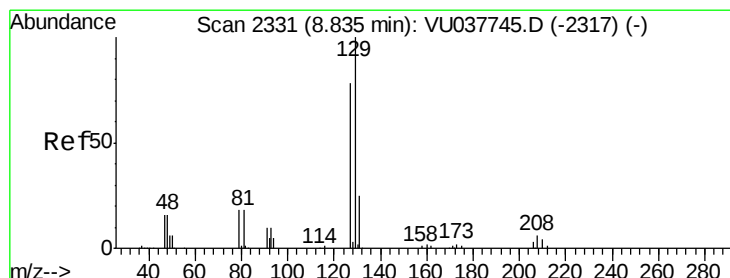
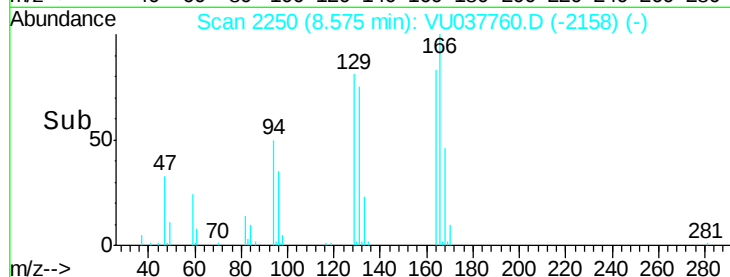
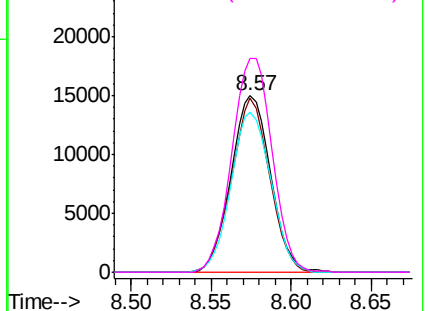
#47
Tetrachloroethene
Concen: 1.650 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.00 min
Lab File: VU037760.D
Acq: 16 Apr 2020 17:32

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 25329
Ion Ratio Lower Upper
164 100
129 98.5 68.1 126.5
131 91.0 65.9 122.5
166 121.1 89.7 166.7

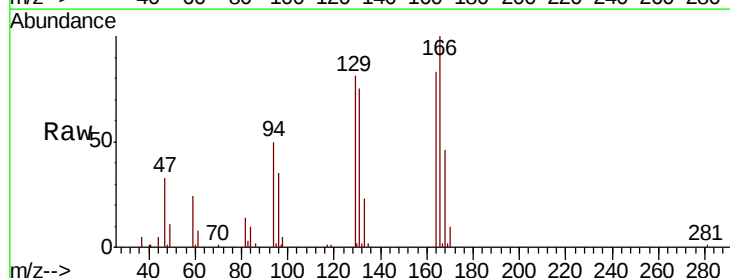


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

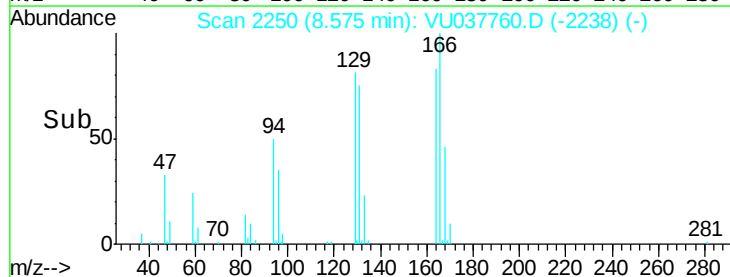
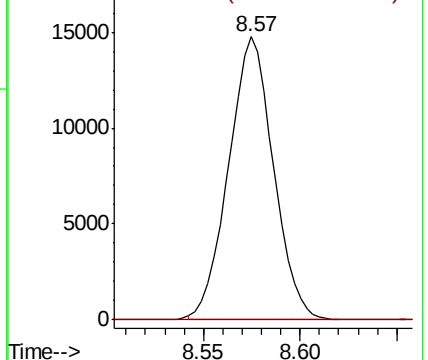


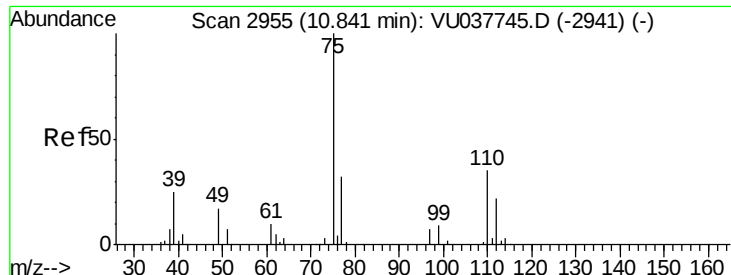
#49
Dibromochloromethane
Concen: 1.336 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.26 min
Lab File: VU037760.D
Acq: 16 Apr 2020 17:32

Tgt Ion:129 Resp: 23732
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: 1.189 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU037760.D

Acq: 16 Apr 2020 17:32

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 17951

Ion Ratio Lower Upper

75 100

77 35.6 25.4 38.2

