

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041620\
 Data File : VU037761.D
 Acq On : 16 Apr 2020 17:56
 Operator : JC/MD
 Sample : L2292-10
 Misc : 25mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 17 01:37:17 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	287524	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	273602	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	134653	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	90242	4.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.00%
7) Chloroethane-d5	1.93	69	79446	4.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.60%
11) 1,1-Dichloroethene-d2	2.59	63	120422	3.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.20%
20) 2-Butanone-d5	4.66	46	289132	48.39	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.78%
24) Chloroform-d	5.10	84	150449	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.60%
26) 1,2-Dichloroethane-d4	5.74	65	93285	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
32) Benzene-d6	5.76	84	333324	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
36) 1,2-Dichloropropane-d6	6.72	67	112833	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.80%
41) Toluene-d8	7.92	98	300901	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
43) trans-1,3-Dichloropropene-	8.20	79	47582	4.40	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.00%
46) 2-Hexanone-d5	8.65	63	256424	46.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.70%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	85372	4.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.00%
64) 1,2-Dichlorobenzene-d4	12.20	152	110827	4.61	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.20%

Target Compounds

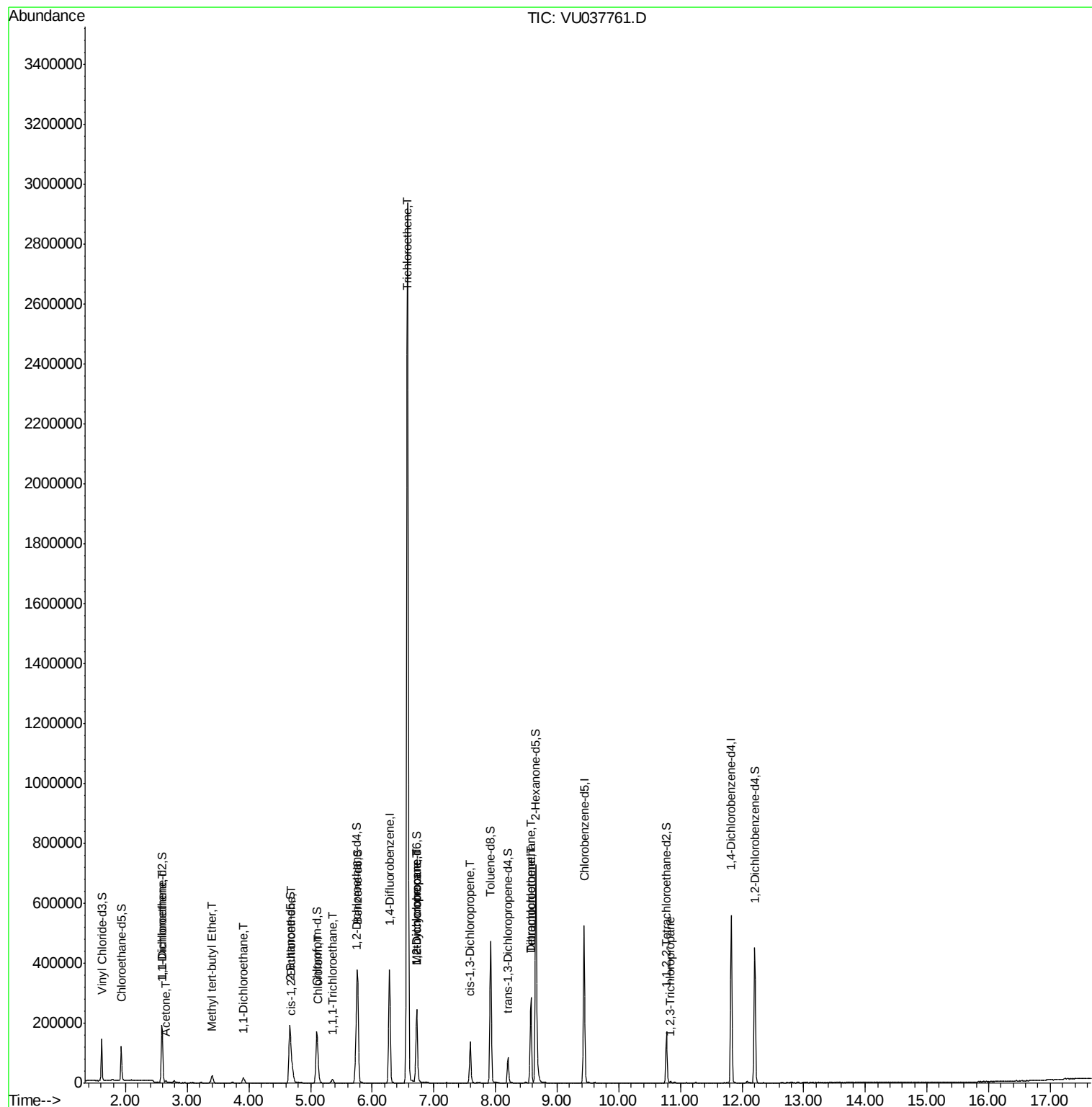
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.60	96	3650	0.184	ug/L #	1
13) Acetone	2.66	43	6358	1.614	ug/L	97
17) Methyl tert-butyl Ether	3.40	73	25272	0.440	ug/L #	92
19) 1,1-Dichloroethane	3.91	63	20396	0.490	ug/L	94
22) cis-1,2-Dichloroethene	4.70	96	18584	0.800	ug/L	94
25) Chloroform	5.13	83	20651	0.522	ug/L	93
29) 1,1,1-Trichloroethane	5.35	97	8657	0.261	ug/L	97
34) Trichloroethene	6.57	95	996246	44.843	ug/L	97
35) Methylcyclohexane	6.72	83	25588	0.657	ug/L #	16
37) 1,2-Dichloropropane	6.72	63	12493	0.521	ug/L #	87
39) cis-1,3-Dichloropropene	7.59	75	2983	0.079	ug/L #	39
47) Tetrachloroethene	8.57	164	60997	3.821	ug/L	95
49) Dibromochloromethane	8.57	129	58626	3.175	ug/L #	11
59) 1,2,3-Trichloropropane	10.84	75	2549	0.162	ug/L	90

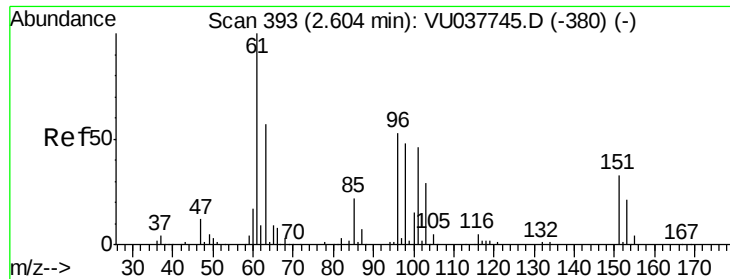
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\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





#12

1,1-Dichloroethene

Concen: 0.184 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037761.D

Acq: 16 Apr 2020 17:56

Instrument :
MSVOA_U
ClientSampleId :

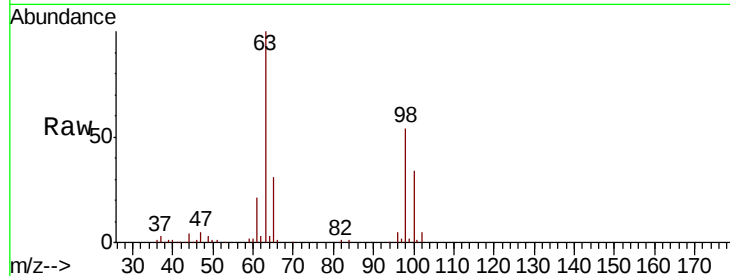
Tot Ion: 96 Resp: 3650

Ion Ratio Lower Upper

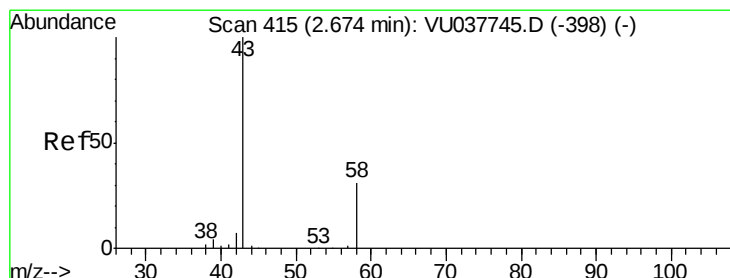
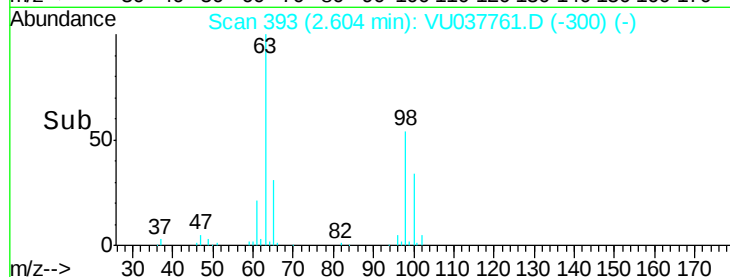
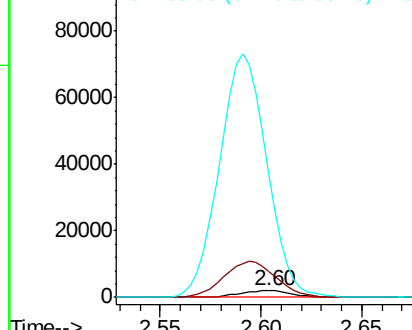
96 100

61 407.4 127.7 237.3#

63 1928.0 85.0 157.8#



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 63.00 (62.70 to 63.70): VU0



#13

Acetone

Concen: 1.614 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.02 min

Lab File: VU037761.D

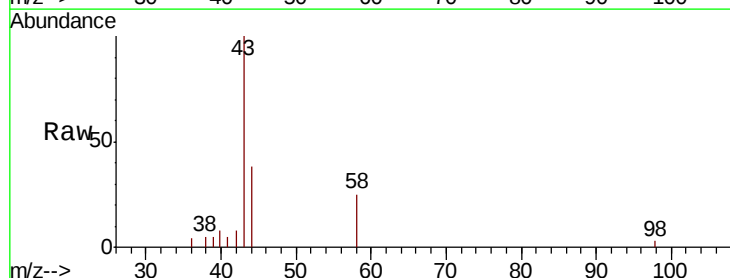
Acq: 16 Apr 2020 17:56

Tgt Ion: 43 Resp: 6358

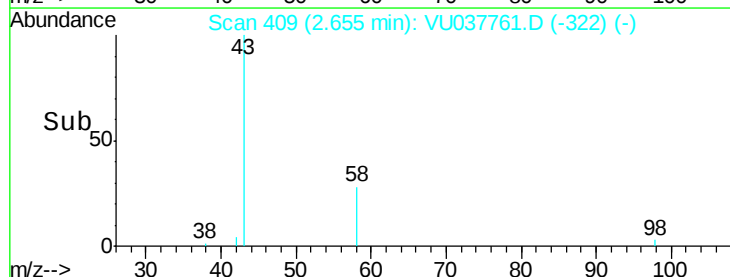
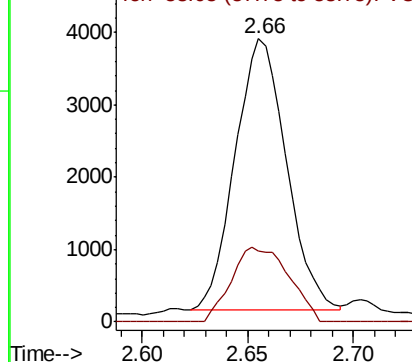
Ion Ratio Lower Upper

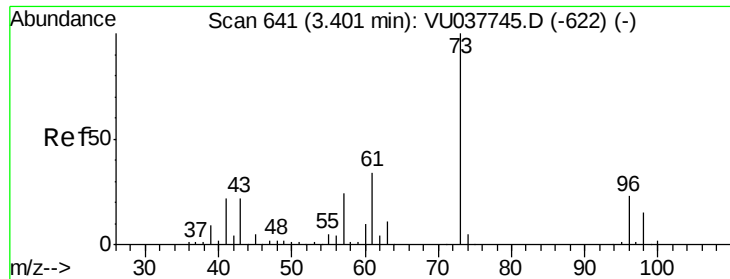
43 100

58 30.7 0.0 64.8



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0

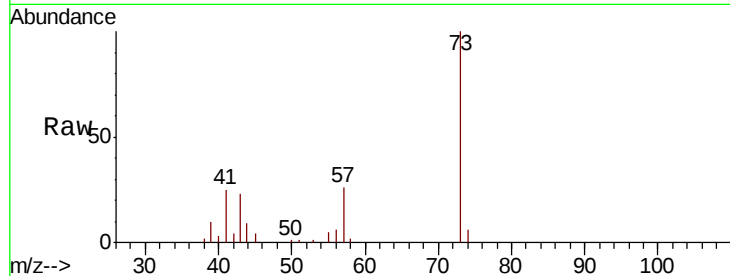




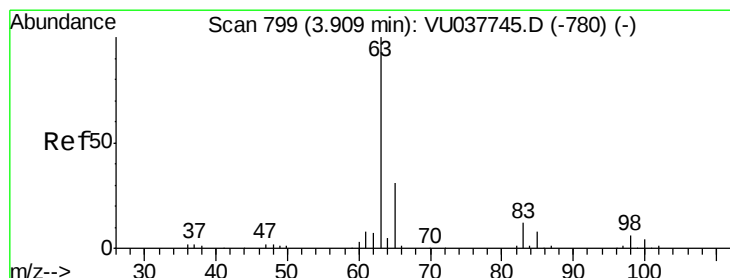
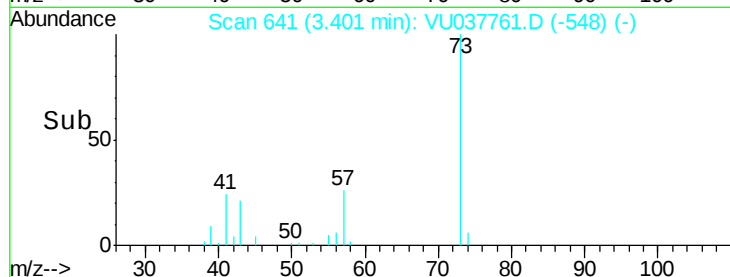
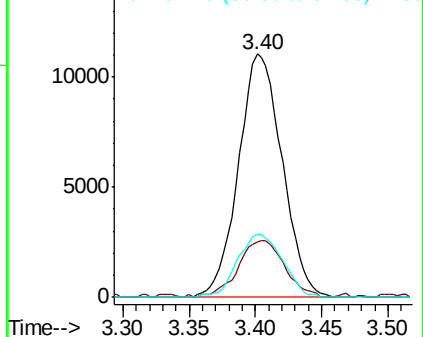
#17
Methvl tert-butvl Ether
Concen: 0.440 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU037761.D
Acq: 16 Apr 2020 17:56

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 73 Resp: 25272
Ion Ratio Lower Upper
73 100
43 24.7 16.4 24.6#
57 26.8 18.4 27.6

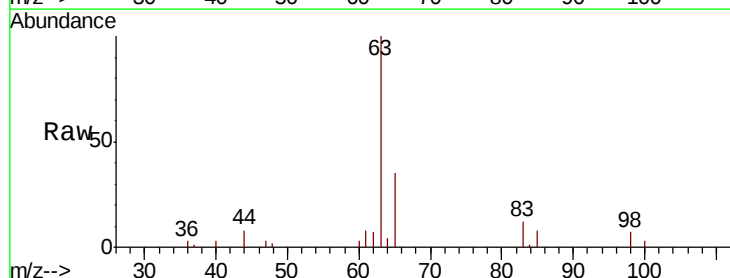


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

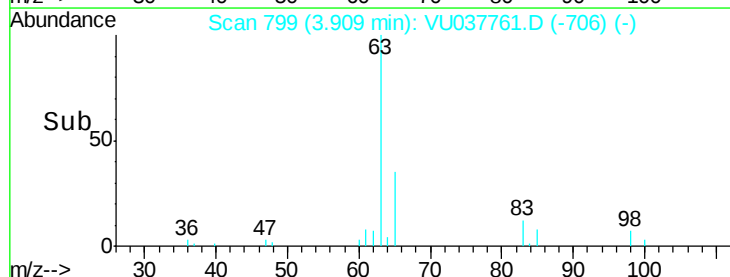
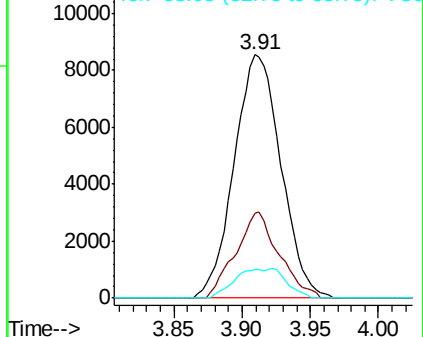


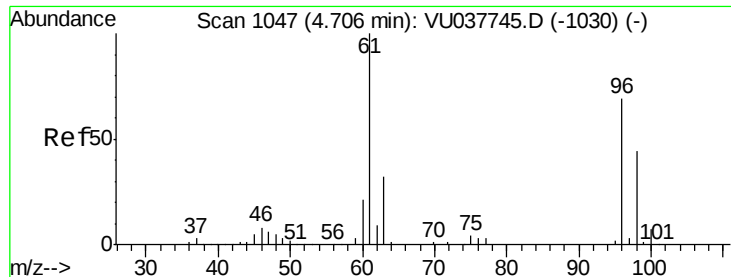
#19
1,1-Dichloroethane
Concen: 0.490 ug/L
RT: 3.91 min Scan# 799
Delta R.T. 0.00 min
Lab File: VU037761.D
Acq: 16 Apr 2020 17:56

Tgt Ion: 63 Resp: 20396
Ion Ratio Lower Upper
63 100
65 35.0 21.6 40.2
83 11.7 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: 0.800 ug/L

RT: 4.70 min Scan# 1046

Delta R.T. -0.00 min

Lab File: VU037761.D

Acq: 16 Apr 2020 17:56

Instrument :
MSVOA_U
ClientSampleId :

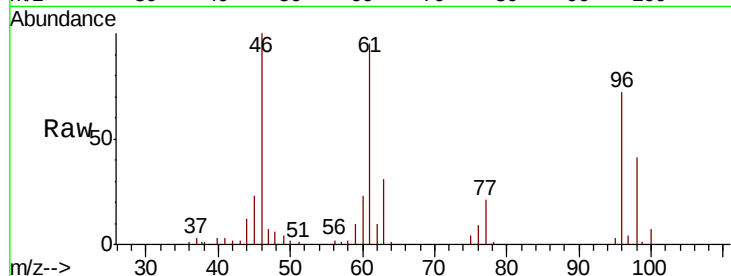
Tot Ion: 96 Resp: 18584

Ion Ratio Lower Upper

96 100

61 131.7 97.0 180.2

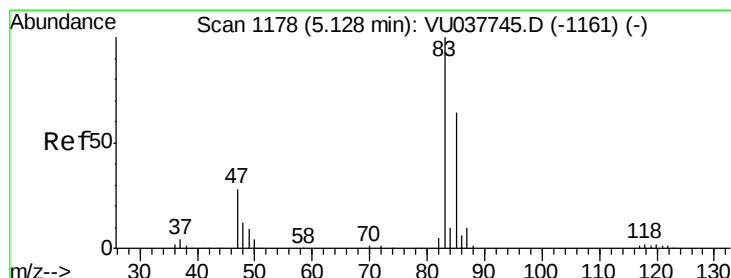
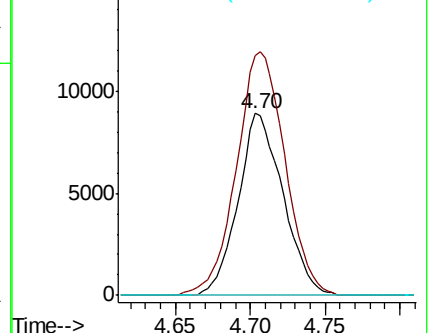
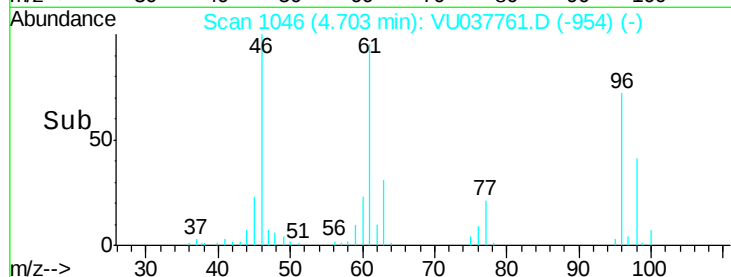
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037761.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU037761.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU037761.D (-954) (-)



#25

Chloroform

Concen: 0.522 ug/L

RT: 5.13 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VU037761.D

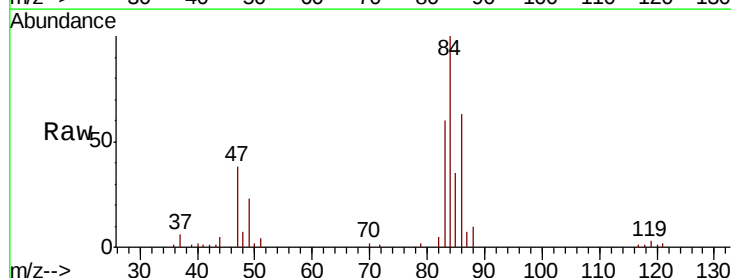
Acq: 16 Apr 2020 17:56

Tgt Ion: 83 Resp: 20651

Ion Ratio Lower Upper

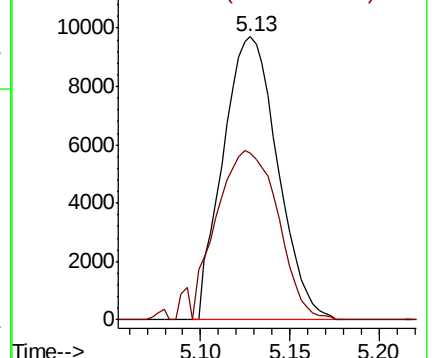
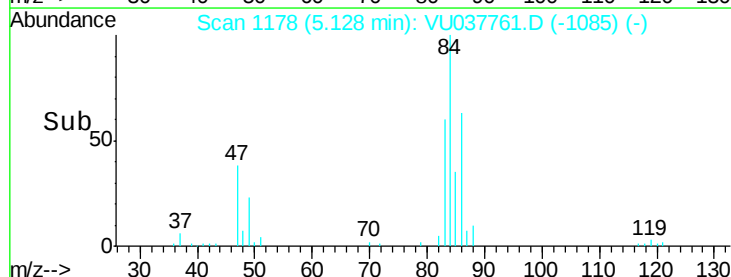
83 100

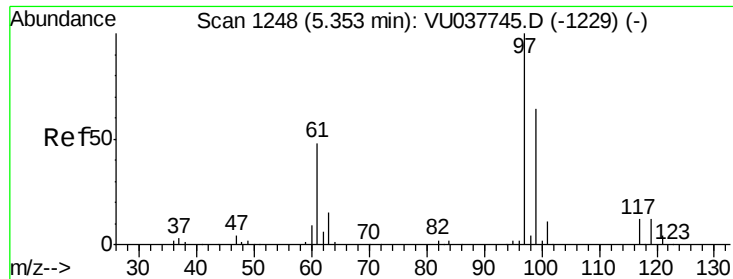
85 58.9 44.9 83.3



Abundance Ion 83.05 (82.75 to 83.75): VU037761.D (-1085) (-)

Ion 85.00 (84.70 to 85.70): VU037761.D (-1085) (-)

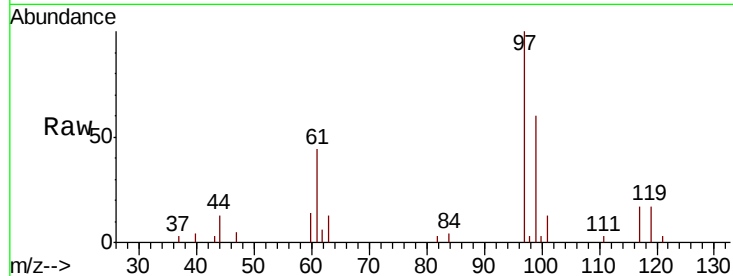




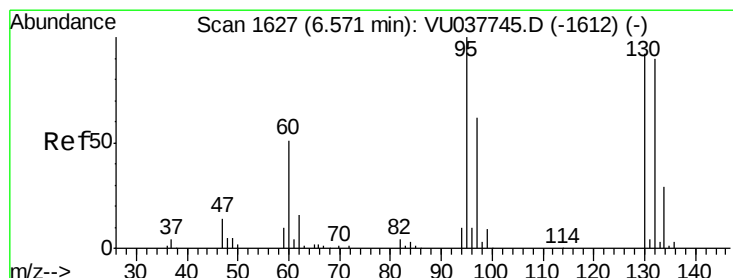
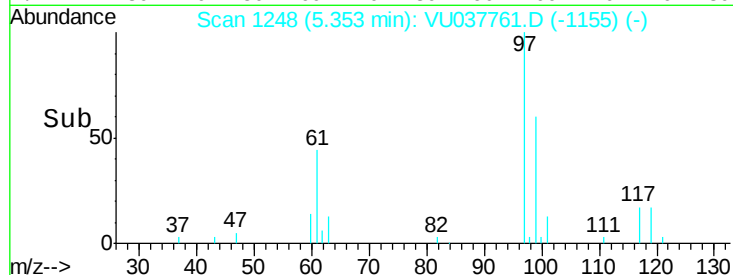
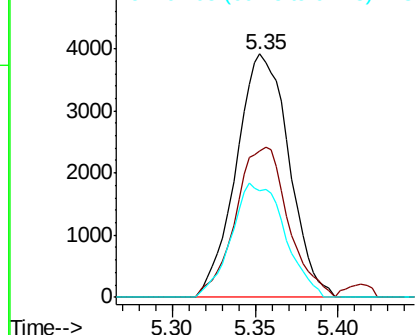
#29
1,1,1-Trichloroethane
Concen: 0.261 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU037761.D
Acq: 16 Apr 2020 17:56

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 97 Resp: 8657
Ion Ratio Lower Upper
97 100
99 61.5 52.0 78.0
61 47.3 37.8 56.8

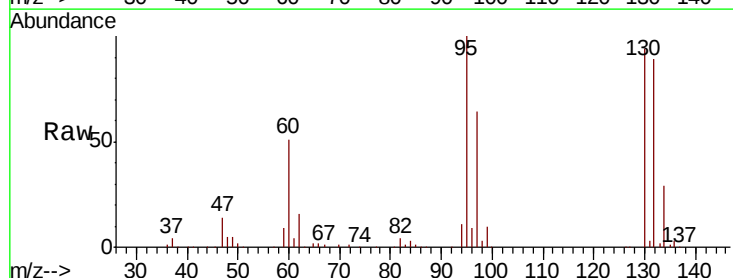


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

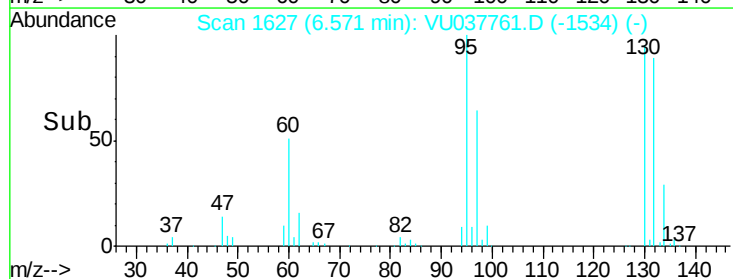
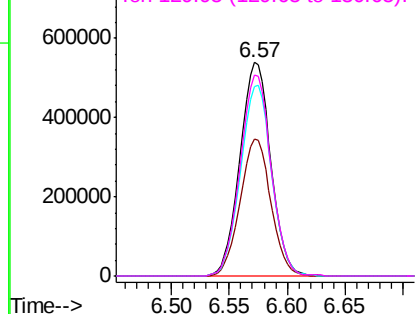


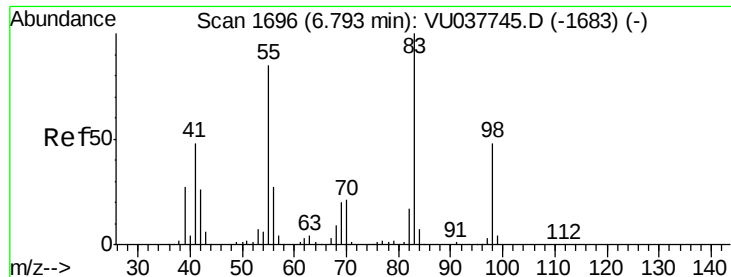
#34
Trichloroethene
Concen: 44.843 ug/L
RT: 6.57 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VU037761.D
Acq: 16 Apr 2020 17:56

Tgt Ion: 95 Resp: 996246
Ion Ratio Lower Upper
95 100
97 64.1 45.4 84.2
132 88.9 63.7 118.3
130 93.9 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

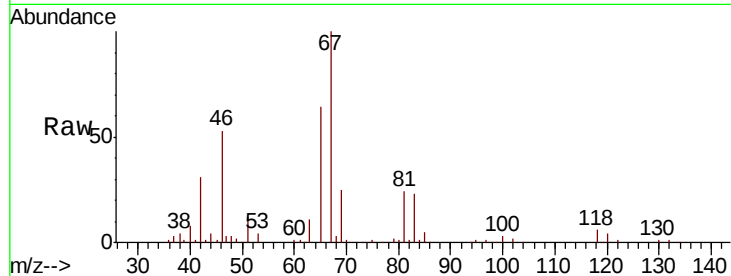




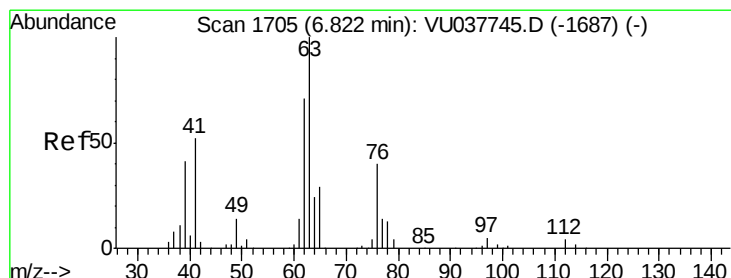
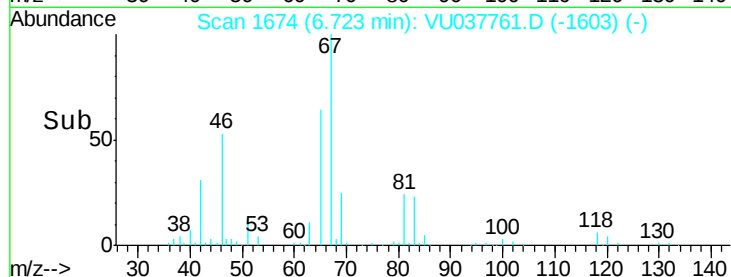
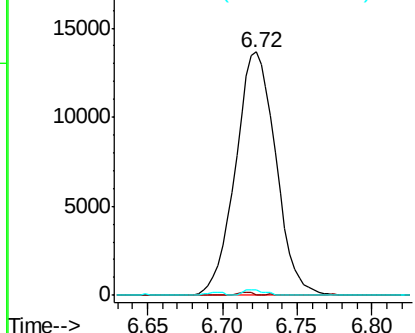
#35
Methvlcvclohexane
Concen: 0.657 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU037761.D
Acq: 16 Apr 2020 17:56

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 25588
Ion Ratio Lower Upper
83 100
55 0.4 65.5 98.3#
98 0.0 38.2 57.4#

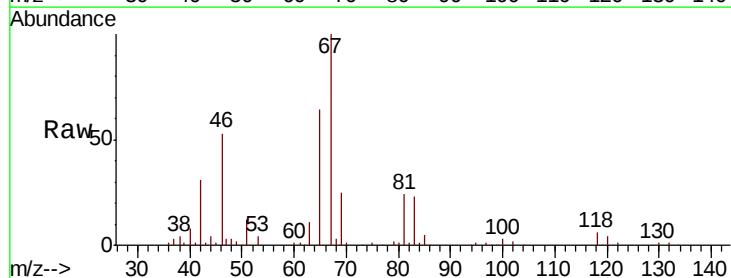


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

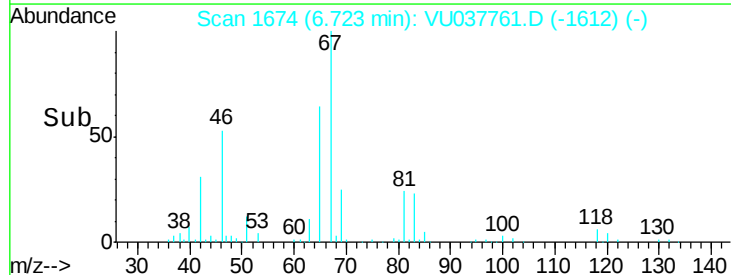
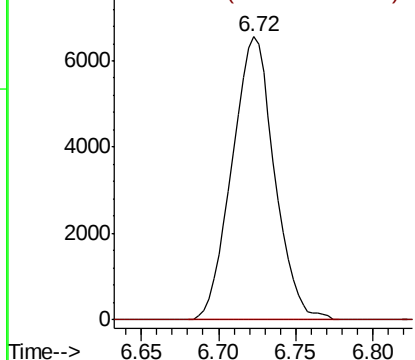


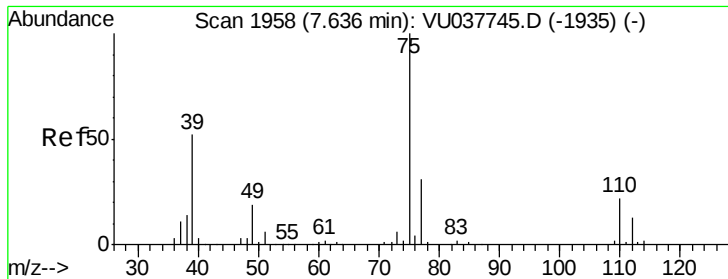
#37
1,2-Dichloropropane
Concen: 0.521 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.10 min
Lab File: VU037761.D
Acq: 16 Apr 2020 17:56

Tgt Ion: 63 Resp: 12493
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



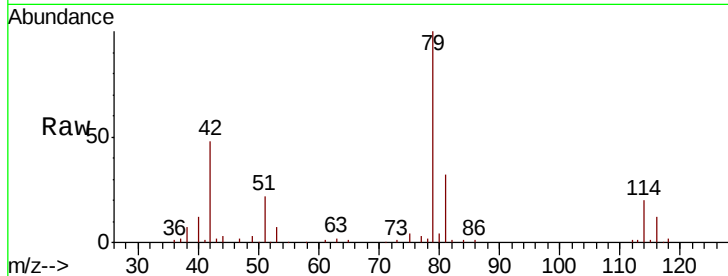


#39

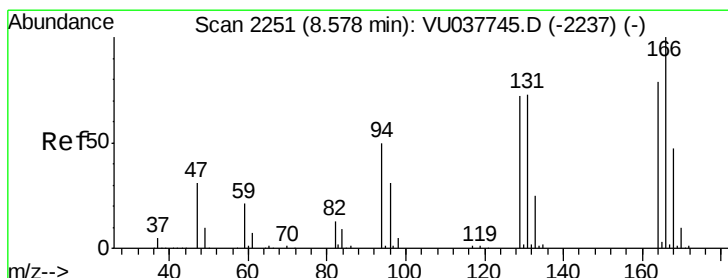
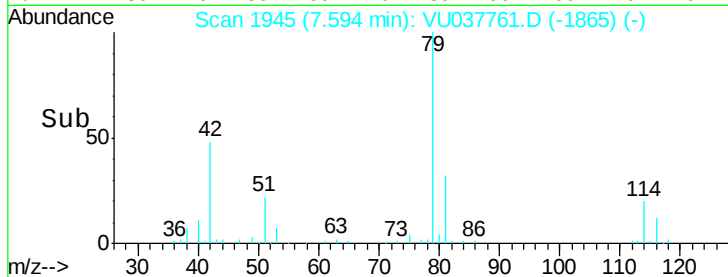
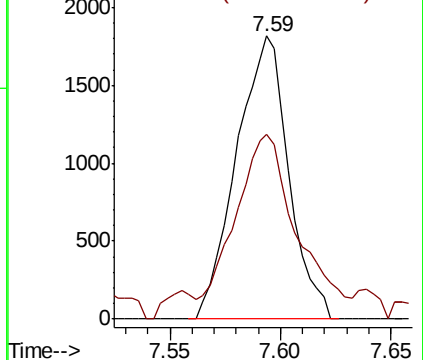
cis-1,3-Dichloropropene
 Concen: 0.079 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: VU037761.D
 Acq: 16 Apr 2020 17:56

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 2983
 Ion Ratio Lower Upper
 75 100
 77 65.4 22.2 41.2#



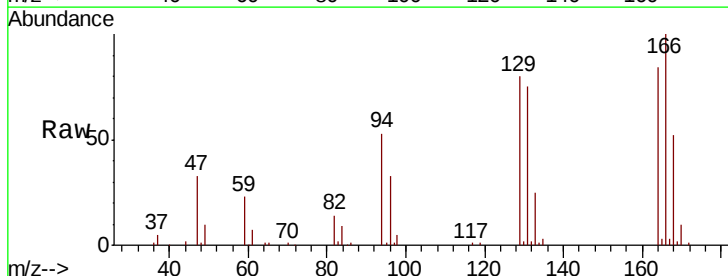
Abundance Ion 75.05 (74.75 to 75.75): VU037761.D (-1865) (-)
 Ion 77.05 (76.75 to 77.75): VU037761.D (-1865) (-)



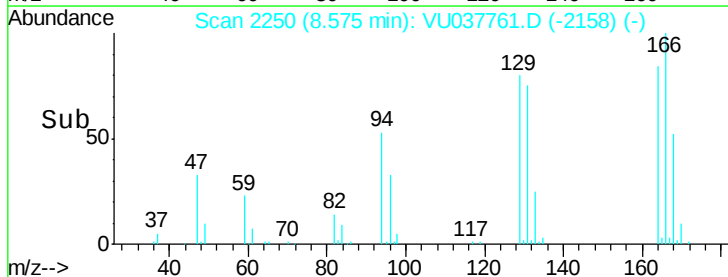
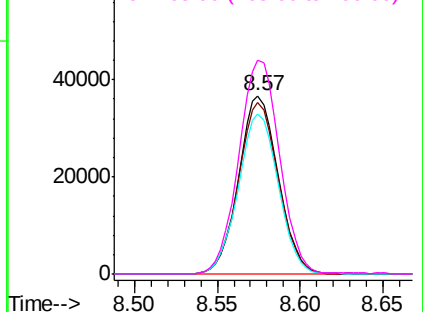
#47

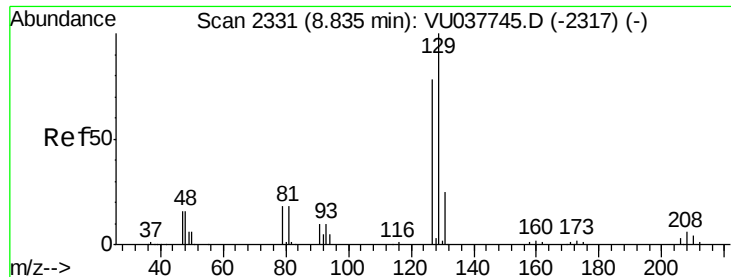
Tetrachloroethene
 Concen: 3.821 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU037761.D
 Acq: 16 Apr 2020 17:56

Tgt Ion:164 Resp: 60997
 Ion Ratio Lower Upper
 164 100
 129 96.0 68.1 126.5
 131 89.6 65.9 122.5
 166 119.7 89.7 166.7



Abundance Ion 163.90 (163.60 to 164.60): VU037761.D (-2158) (-)
 Ion 128.95 (128.65 to 129.65): VU037761.D (-2158) (-)
 Ion 130.95 (130.65 to 131.65): VU037761.D (-2158) (-)
 Ion 165.90 (165.60 to 166.60): VU037761.D (-2158) (-)





#49

Dibromochloromethane

Concen: 3.175 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.26 min

Lab File: VU037761.D

Acq: 16 Apr 2020 17:56

Instrument :

MSVOA_U

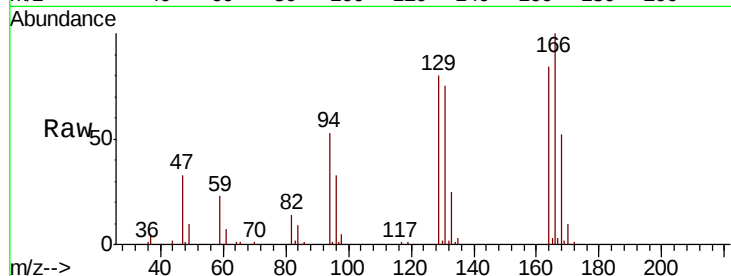
ClientSampled :

Tot Ion:129 Resp: 58626

Ion Ratio Lower Upper

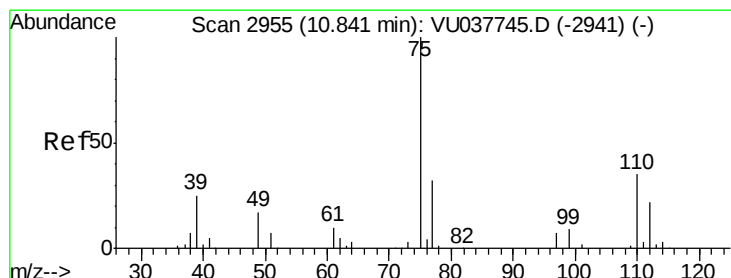
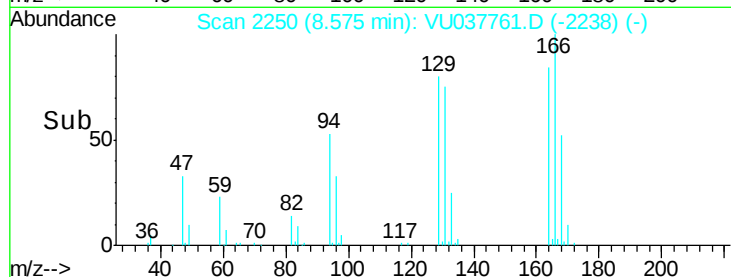
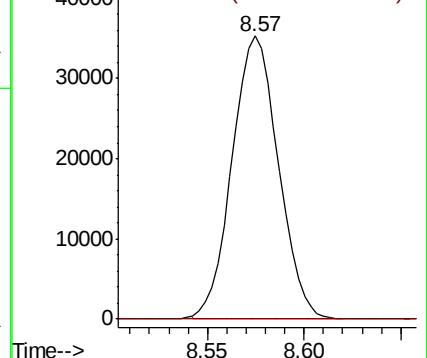
129 100

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: 0.162 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. -0.00 min

Lab File: VU037761.D

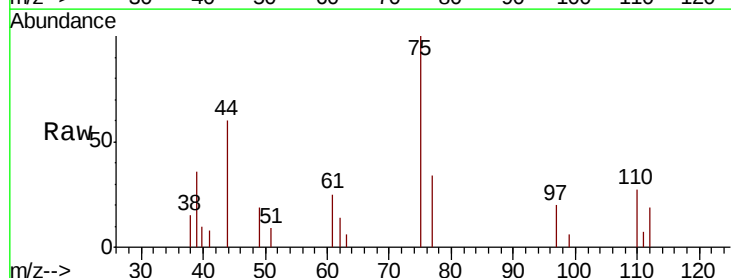
Acq: 16 Apr 2020 17:56

Tgt Ion: 75 Resp: 2549

Ion Ratio Lower Upper

75 100

77 37.2 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

