

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041720\
 Data File : VU037794.D
 Acq On : 18 Apr 2020 00:40
 Operator : JC/MD
 Sample : L2319-06
 Misc : 25mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 18 05:23:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Apr 18 05:19:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	272441	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	260612	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	129375	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	81597	3.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.20%
7) Chloroethane-d5	1.93	69	74443	4.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.60%
11) 1,1-Dichloroethene-d2	2.59	63	111521	3.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.80%
20) 2-Butanone-d5	4.66	46	315340	55.70	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.40%
24) Chloroform-d	5.10	84	154865	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
26) 1,2-Dichloroethane-d4	5.74	65	94413	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.76	84	325832	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
36) 1,2-Dichloropropane-d6	6.72	67	113532	4.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.00%
41) Toluene-d8	7.92	98	290643	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
43) trans-1,3-Dichloropropene-	8.20	79	44827	4.35	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.00%
46) 2-Hexanone-d5	8.65	63	265320	50.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.70%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	88528	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.00%
64) 1,2-Dichlorobenzene-d4	12.21	152	108259	4.69	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.80%

Target Compounds

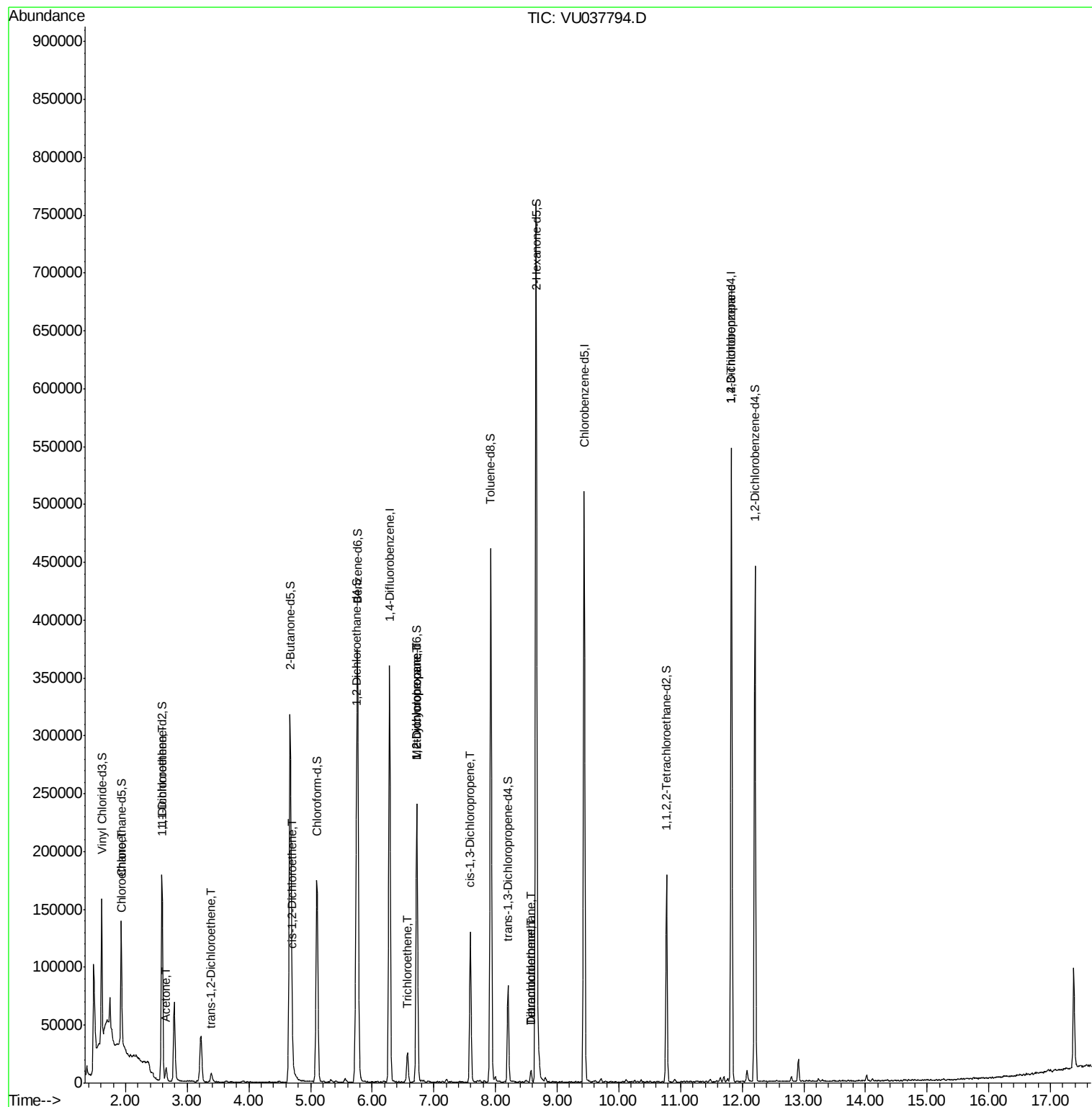
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.95	64	2754	0.163	ug/L #	53
12) 1,1-Dichloroethene	2.60	96	1695	0.090	ug/L #	1
13) Acetone	2.66	43	13899	3.723	ug/L	96
18) trans-1,2-Dichloroethene	3.39	96	2703	0.133	ug/L	89
22) cis-1,2-Dichloroethene	4.71	96	3973	0.180	ug/L	78
34) Trichloroethene	6.57	95	8477	0.401	ug/L	90
35) Methylcyclohexane	6.72	83	25452	0.686	ug/L #	16
37) 1,2-Dichloropropane	6.72	63	12741	0.558	ug/L #	87
39) cis-1,3-Dichloropropene	7.60	75	2747	0.077	ug/L #	60
47) Tetrachloroethene	8.58	164	2008	0.132	ug/L	93
49) Dibromochloromethane	8.57	129	2219	0.126	ug/L #	11
59) 1,2,3-Trichloropropane	11.83	75	18602	1.245	ug/L	90

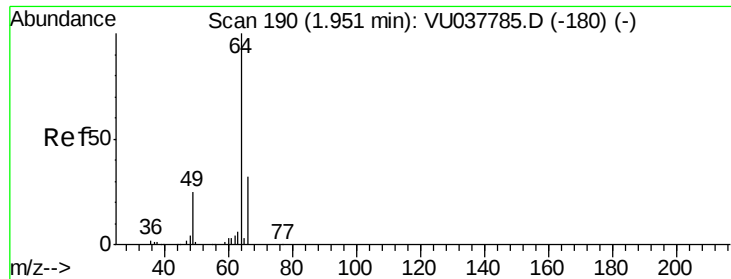
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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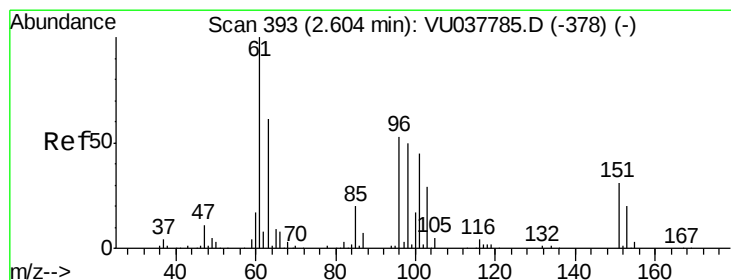
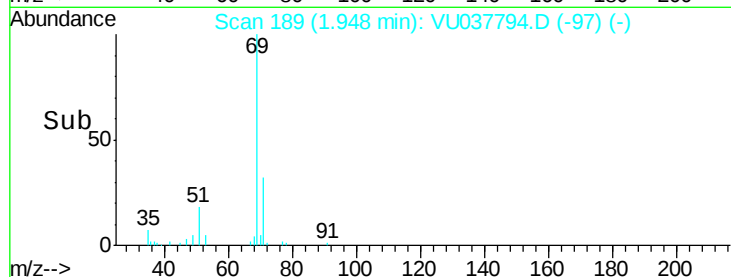
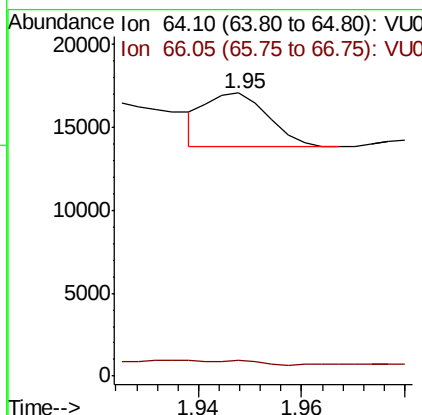
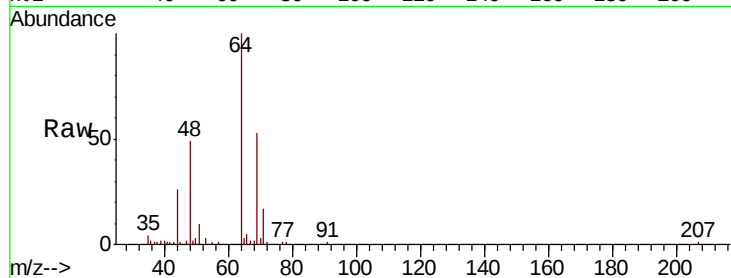




#8
Chloroethane
Concen: 0.163 ug/L
RT: 1.95 min Scan# 189
Delta R.T. -0.00 min
Lab File: VU037794.D
Acq: 18 Apr 2020 00:40

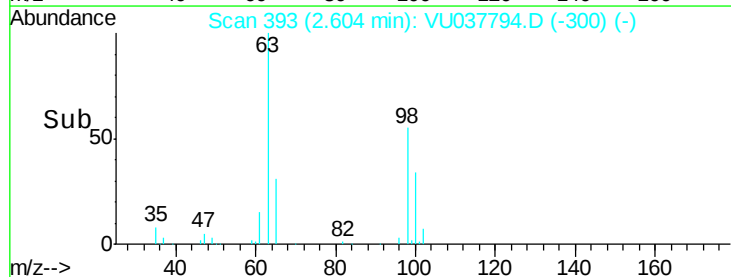
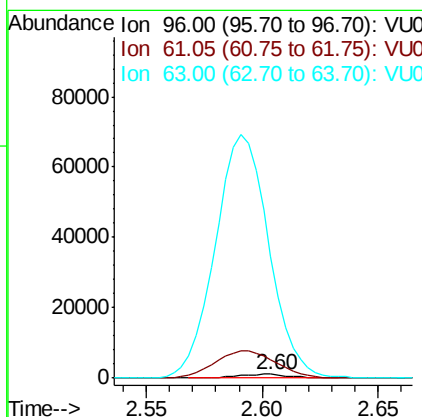
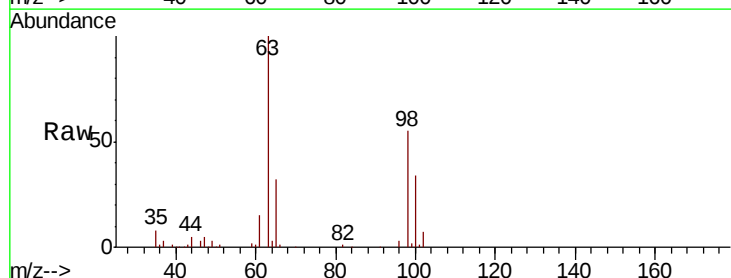
Instrument :
MSVOA_U
ClientSampleId :

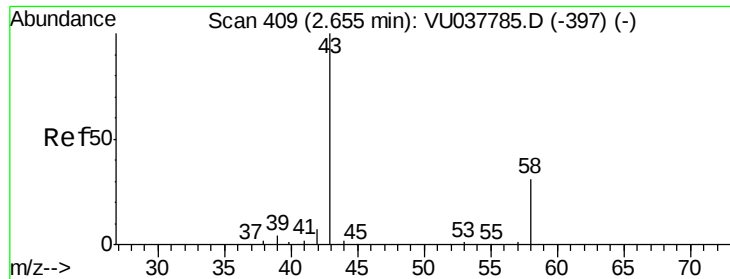
Tot Ion: 64 Resp: 2754
Ion Ratio Lower Upper
64 100
66 5.5 22.3 41.5#



#12
1,1-Dichloroethene
Concen: 0.090 ug/L
RT: 2.60 min Scan# 393
Delta R.T. 0.00 min
Lab File: VU037794.D
Acq: 18 Apr 2020 00:40

Tgt Ion: 96 Resp: 1695
Ion Ratio Lower Upper
96 100
61 503.9 127.7 237.3#
63 3288.6 85.0 157.8#





#13

Acetone

Concen: 3.723 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037794.D

Acq: 18 Apr 2020 00:40

Instrument :

MSVOA_U

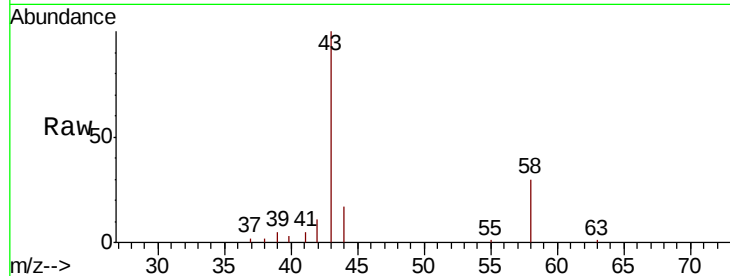
ClientSampleId :

Tot Ion: 43 Resp: 13899

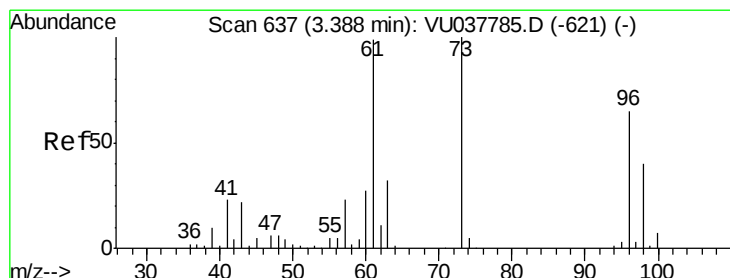
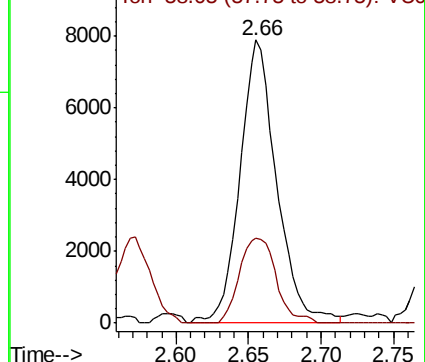
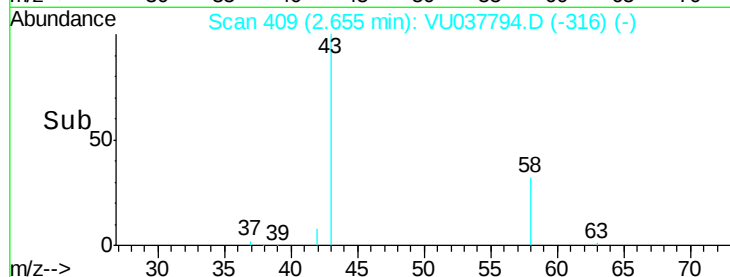
Ion Ratio Lower Upper

43 100

58 30.2 0.0 64.8



Abundance Ion 43.05 (42.75 to 43.75): VU037794.D (-316) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.133 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU037794.D

Acq: 18 Apr 2020 00:40

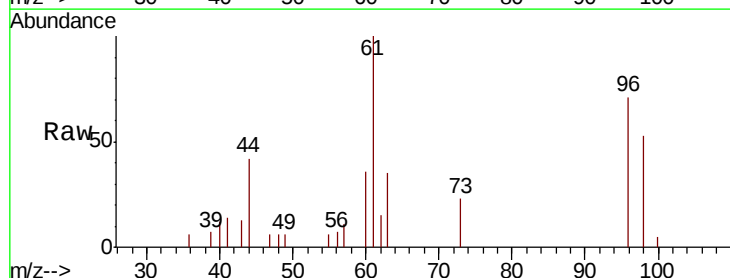
Tgt Ion: 96 Resp: 2703

Ion Ratio Lower Upper

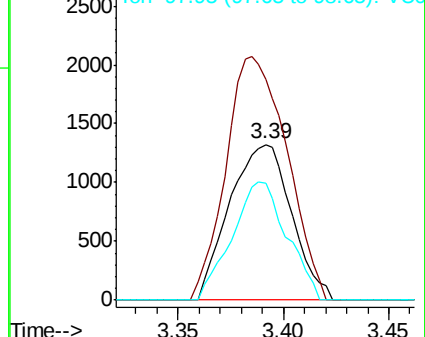
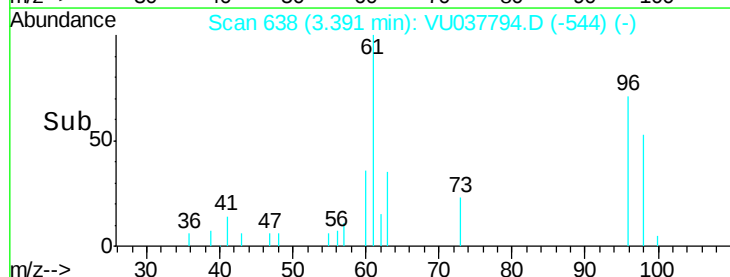
96 100

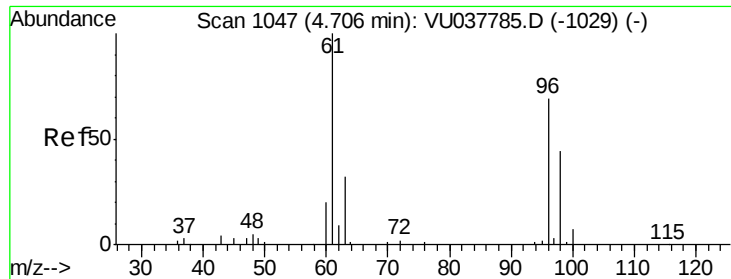
61 141.1 106.7 198.3

98 74.8 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VU037794.D (-544) (-)

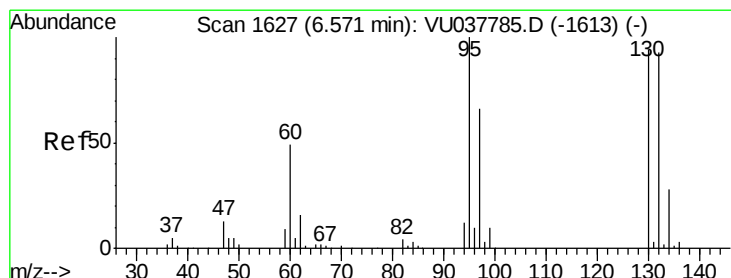
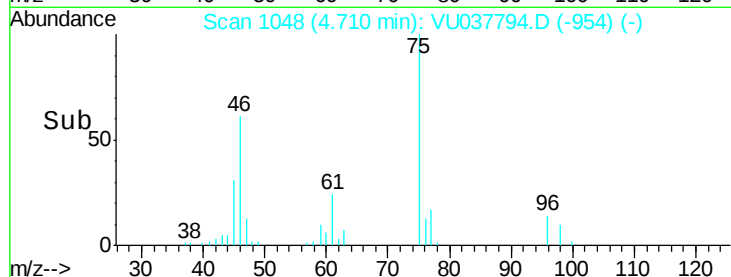
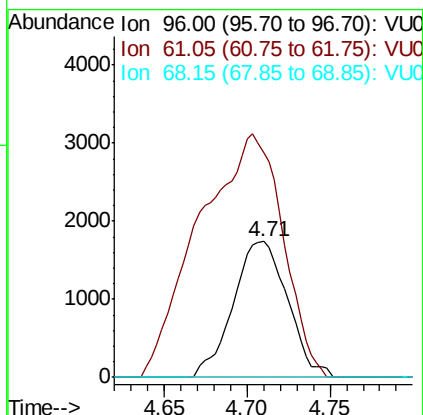
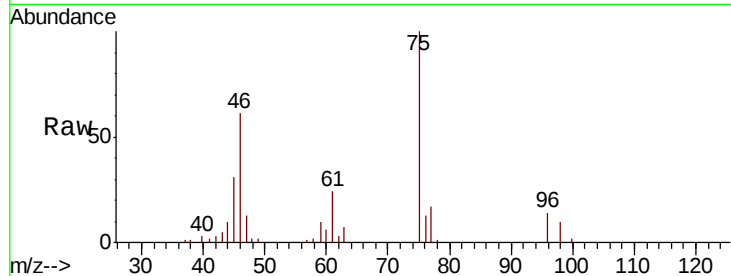




#22
 cis-1,2-Dichloroethene
 Concen: 0.180 ug/L
 RT: 4.71 min Scan# 1048
 Delta R.T. 0.00 min
 Lab File: VU037794.D
 Acq: 18 Apr 2020 00:40

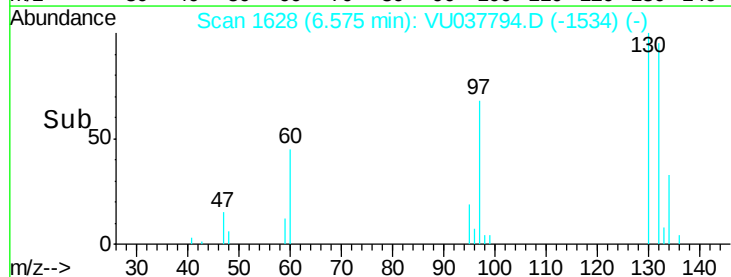
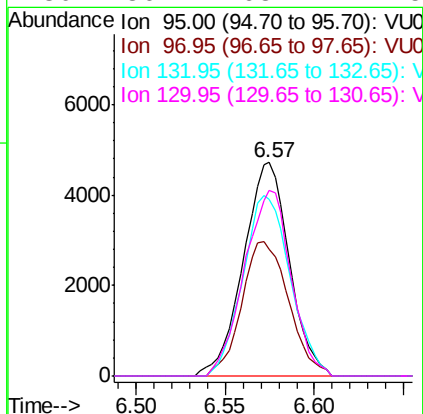
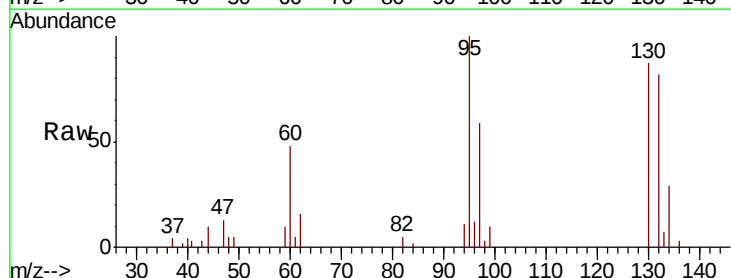
Instrument :
 MSVOA_U
 ClientSampled :

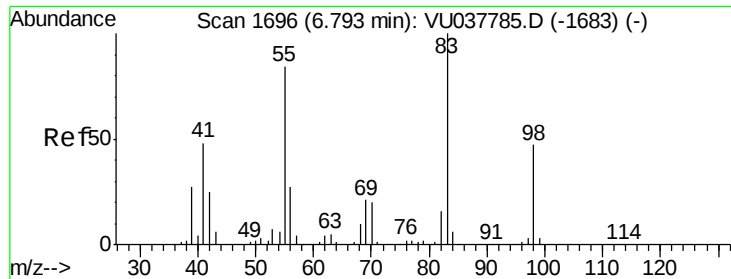
Tot Ion: 96 Resp: 3973
 Ion Ratio Lower Upper
 96 100
 61 164.9 97.0 180.2
 68 0.0 0.0 0.0



#34
 Trichloroethene
 Concen: 0.401 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: VU037794.D
 Acq: 18 Apr 2020 00:40

Tgt Ion: 95 Resp: 8477
 Ion Ratio Lower Upper
 95 100
 97 59.2 45.4 84.2
 132 82.4 63.7 118.3
 130 86.7 68.7 127.5

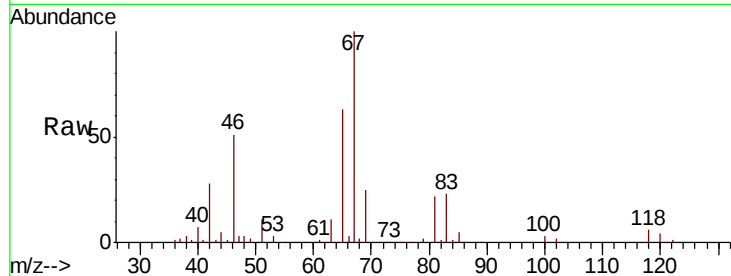




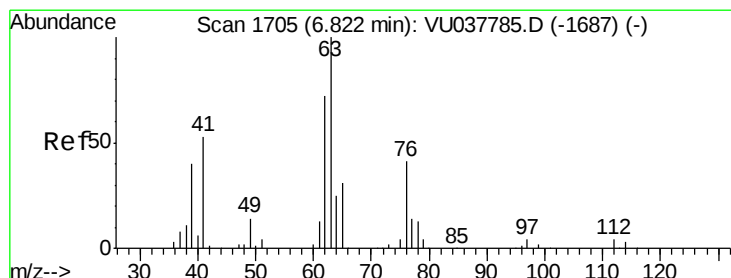
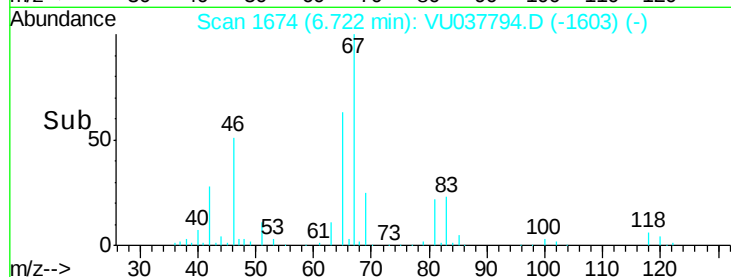
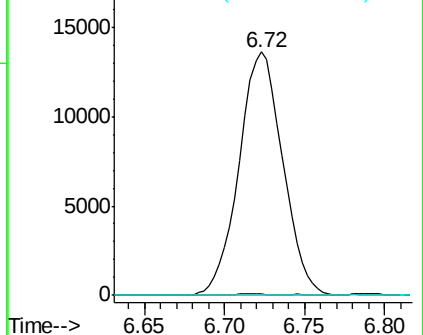
#35
Methvlcvclohexane
Concen: 0.686 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU037794.D
Acq: 18 Apr 2020 00:40

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 25452
Ion Ratio Lower Upper
83 100
55 0.4 65.5 98.3#
98 0.0 38.2 57.4#

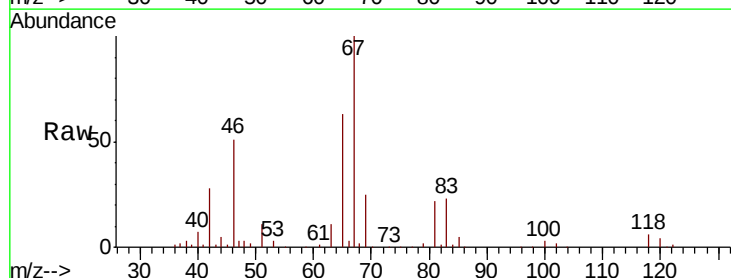


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

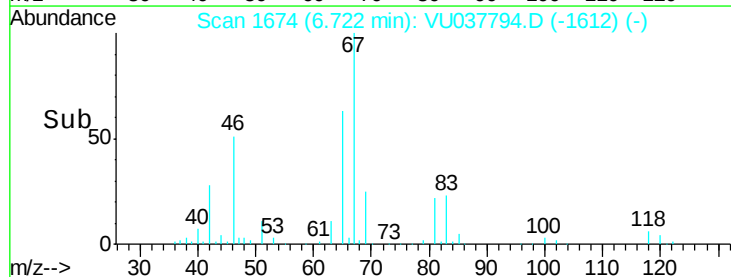
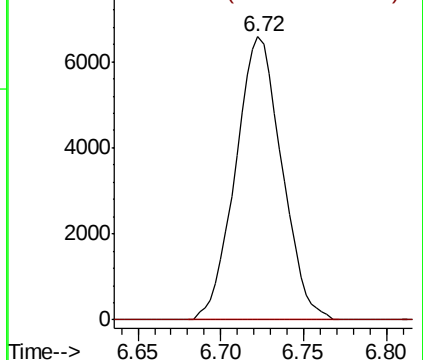


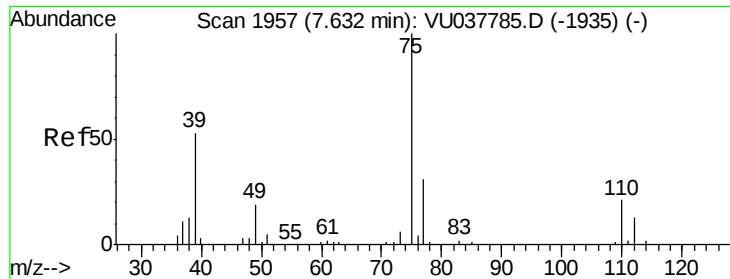
#37
1,2-Dichloropropane
Concen: 0.558 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.10 min
Lab File: VU037794.D
Acq: 18 Apr 2020 00:40

Tgt Ion: 63 Resp: 12741
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

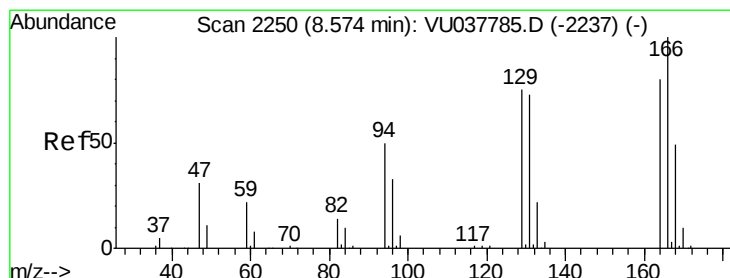
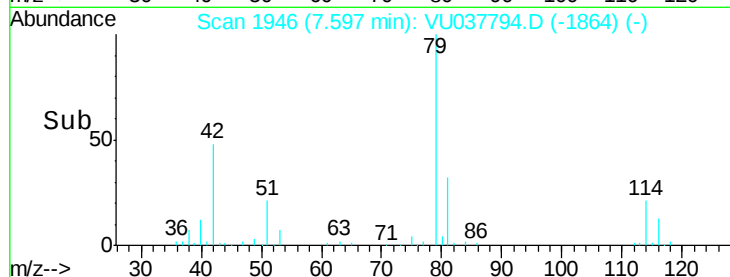
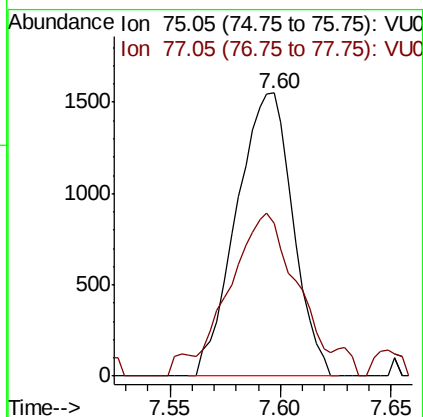
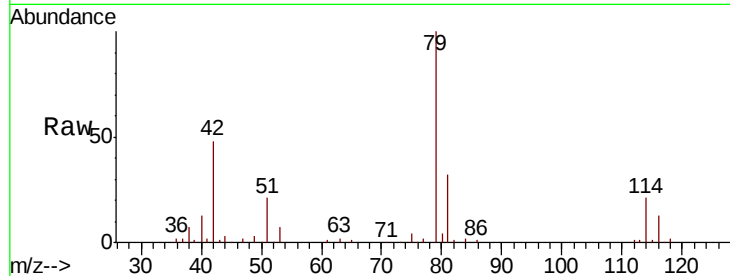




#39
 cis-1,3-Dichloropropene
 Concen: 0.077 ug/L
 RT: 7.60 min Scan# 1946
 Delta R.T. -0.04 min
 Lab File: VU037794.D
 Acq: 18 Apr 2020 00:40

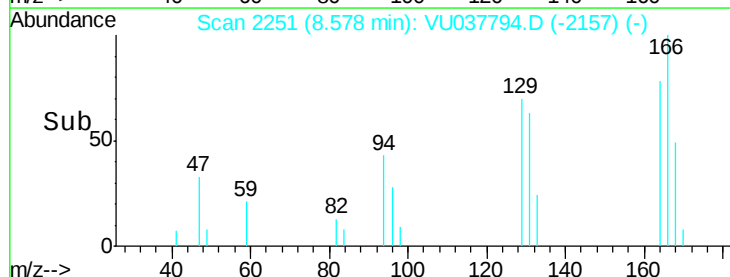
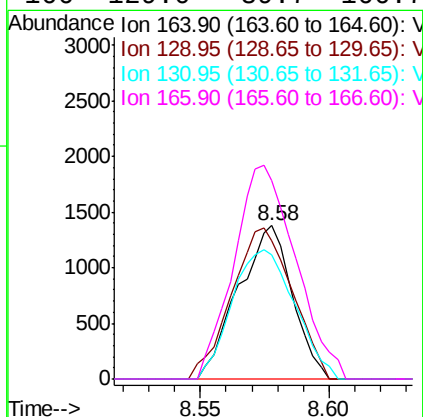
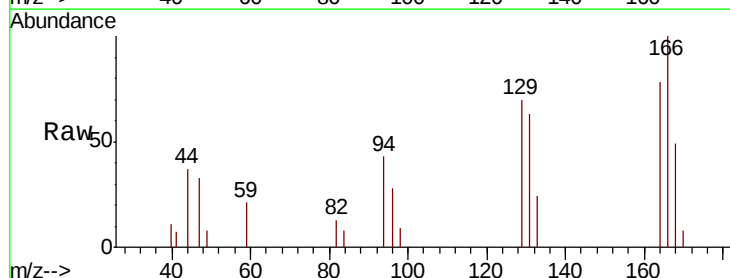
Instrument :
 MSVOA_U
 ClientSampleId :

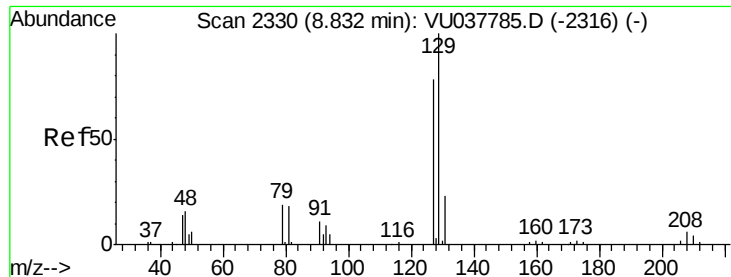
Tot Ion: 75 Resp: 2747
 Ion Ratio Lower Upper
 75 100
 77 54.1 22.2 41.2#



#47
 Tetrachloroethene
 Concen: 0.132 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. 0.00 min
 Lab File: VU037794.D
 Acq: 18 Apr 2020 00:40

Tgt Ion: 164 Resp: 2008
 Ion Ratio Lower Upper
 164 100
 129 89.9 68.1 126.5
 131 81.0 65.9 122.5
 166 129.0 89.7 166.7





#49

Dibromochloromethane

Concen: 0.126 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.26 min

Lab File: VU037794.D

Acq: 18 Apr 2020 00:40

Instrument :

MSVOA_U

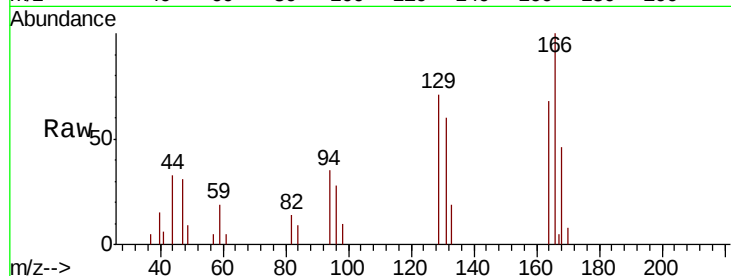
ClientSampleId :

Tot Ion:129 Resp: 2219

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

8.57

1500

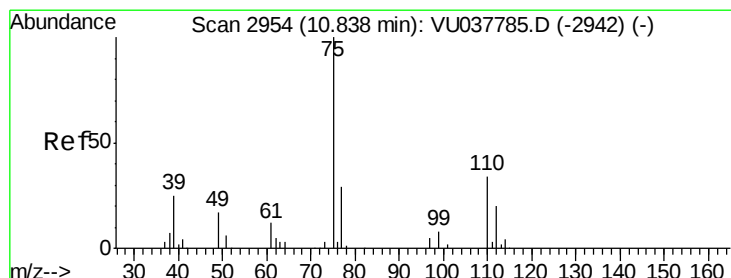
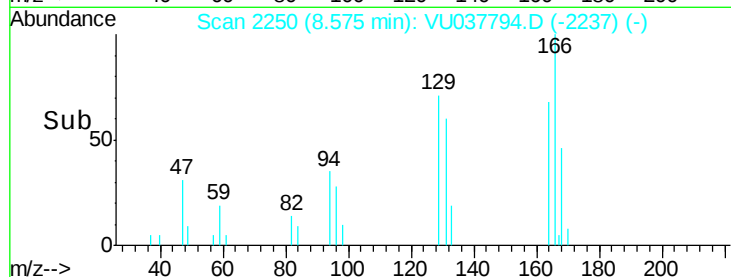
1000

500

0

8.55 8.60

Time-->



#59

1,2,3-Trichloropropane

Concen: 1.245 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.99 min

Lab File: VU037794.D

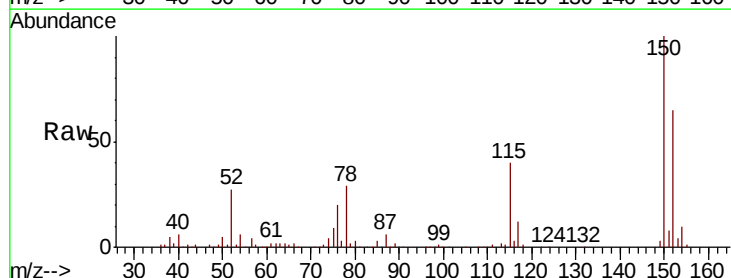
Acq: 18 Apr 2020 00:40

Tgt Ion: 75 Resp: 18602

Ion Ratio Lower Upper

75 100

77 37.6 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.83

10000

5000

0

11.75 11.80 11.85

Time-->

