

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032820\
 Data File : VU037441.D
 Acq On : 29 Mar 2020 02:04
 Operator : JC/MD
 Sample : L2001-02MS
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 30 03:15:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Mar 30 03:07:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	112648	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	107010	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	54217	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	36697	4.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.20%
7) Chloroethane-d5	1.93	69	33604	5.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.80%
11) 1,1-Dichloroethene-d2	2.59	63	76064	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.60%
20) 2-Butanone-d5	4.66	46	110735	48.86	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.72%
24) Chloroform-d	5.10	84	65609	3.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.80%
26) 1,2-Dichloroethane-d4	5.74	65	43095	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
32) Benzene-d6	5.76	84	149530	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
36) 1,2-Dichloropropane-d6	6.72	67	47835	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.40%
41) Toluene-d8	7.92	98	139930	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
43) trans-1,3-Dichloropropene-	8.20	79	21307	4.43	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.60%
46) 2-Hexanone-d5	8.65	63	96219	50.30	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.60%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	39934	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.00%
64) 1,2-Dichlorobenzene-d4	12.21	152	52862	4.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

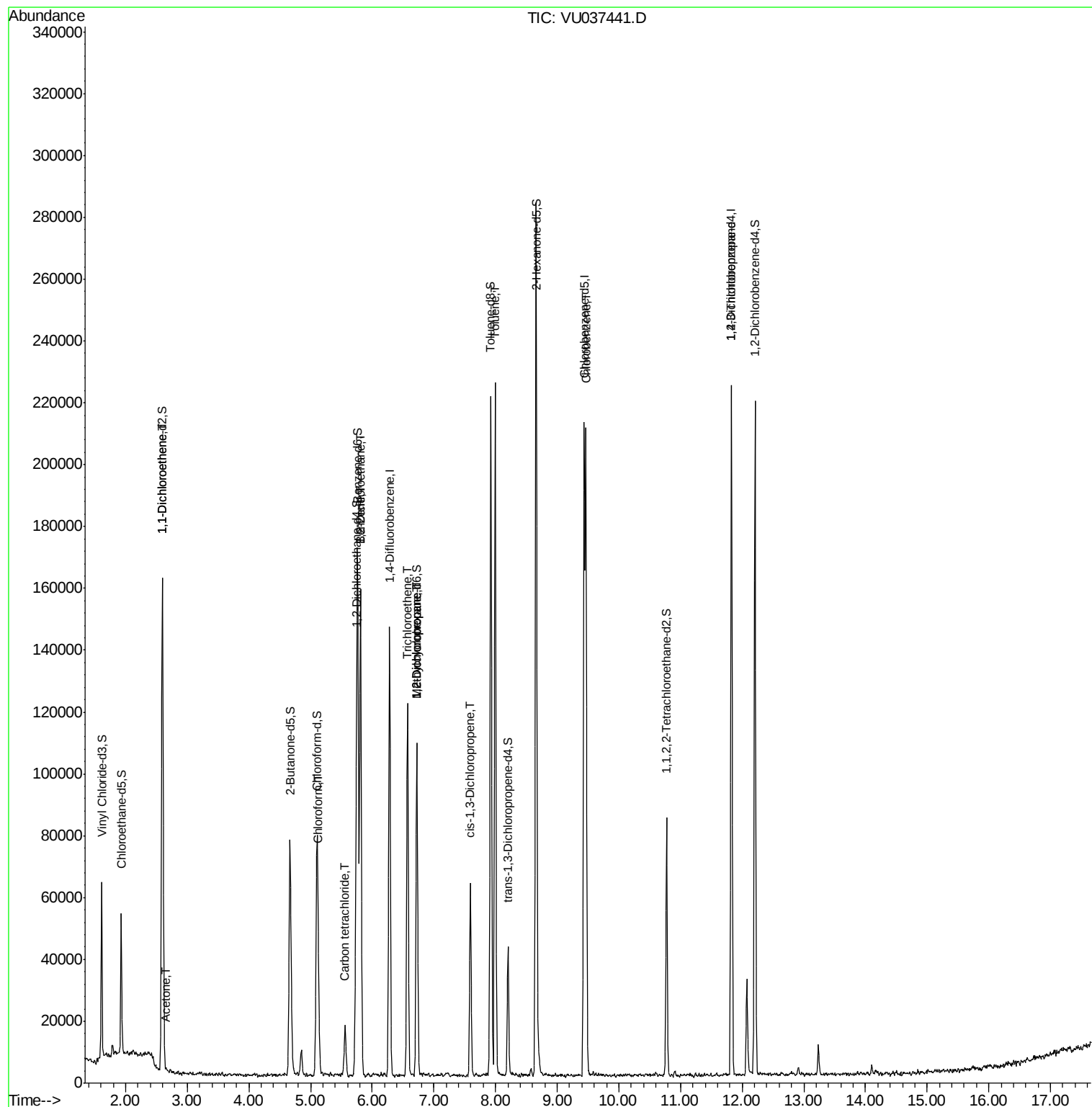
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.60	96	31834	4.297	ug/L	91
13) Acetone	2.66	43	1153	0.885	ug/L	67
25) Chloroform	5.13	83	18895	1.240	ug/L	96
27) 1,2-Dichloroethane	5.82	62	1795	0.176	ug/L #	75
31) Carbon tetrachloride	5.56	117	10360	0.892	ug/L	96
33) Benzene	5.81	78	143207	4.519	ug/L	100
34) Trichloroethene	6.57	95	40123	4.445	ug/L	97
35) Methylcyclohexane	6.72	83	11592	0.812	ug/L #	18
37) 1,2-Dichloropropane	6.73	63	5555	0.678	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	1613	0.121	ug/L #	71
42) Toluene	7.99	91	158496	4.641	ug/L	100
51) Chlorobenzene	9.47	112	101987	4.323	ug/L	97
59) 1,2,3-Trichloropropane	11.83	75	7097	1.245	ug/L	91

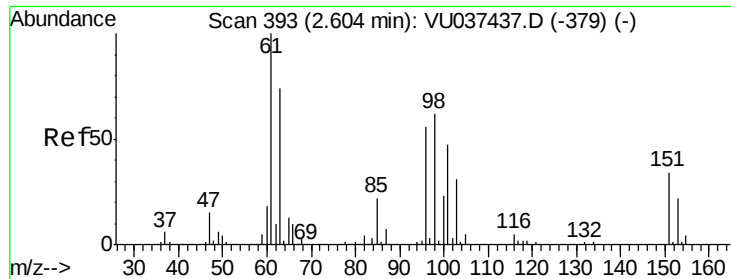
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 4.297 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037441.D

Acq: 29 Mar 2020 02:04

Instrument :
MSVOA_U
ClientSampleId :

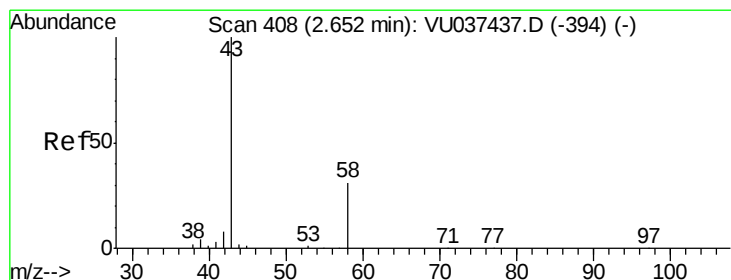
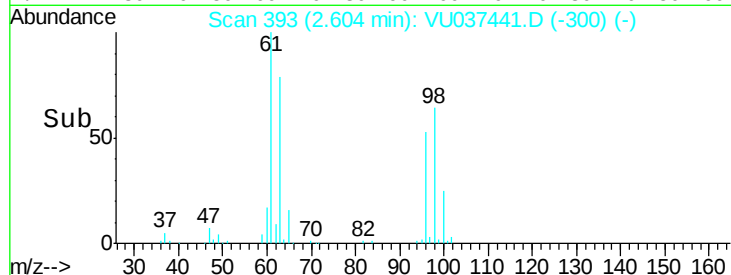
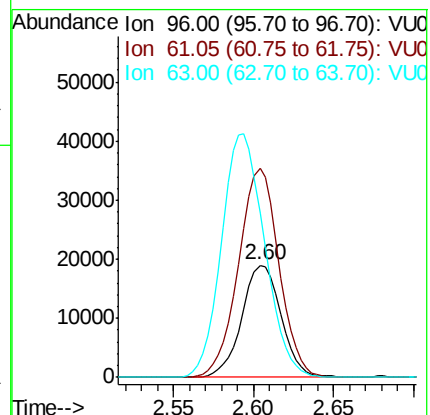
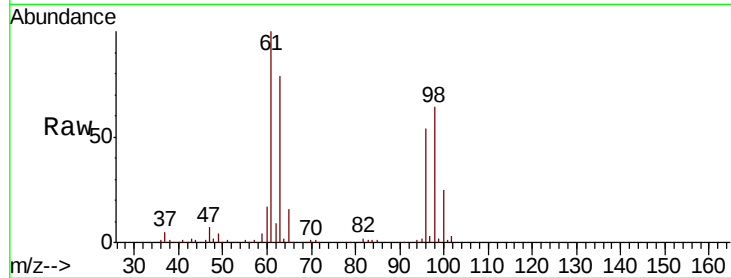
Tot Ion: 96 Resp: 31834

Ion Ratio Lower Upper

96 100

61 186.5 125.4 232.8

63 146.8 90.9 168.7



#13

Acetone

Concen: 0.885 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.01 min

Lab File: VU037441.D

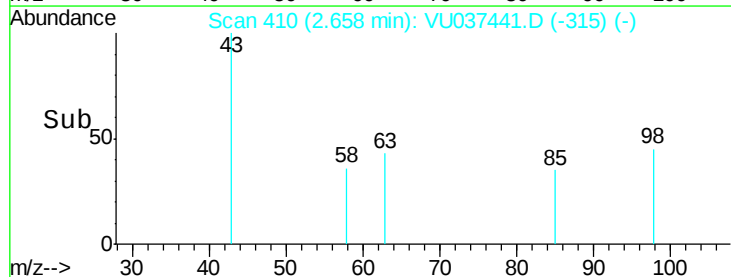
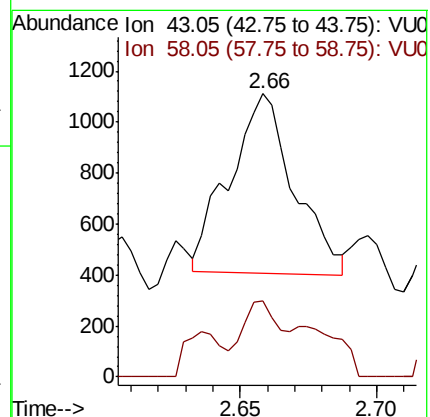
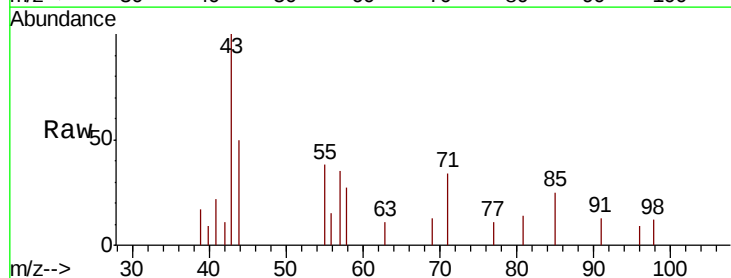
Acq: 29 Mar 2020 02:04

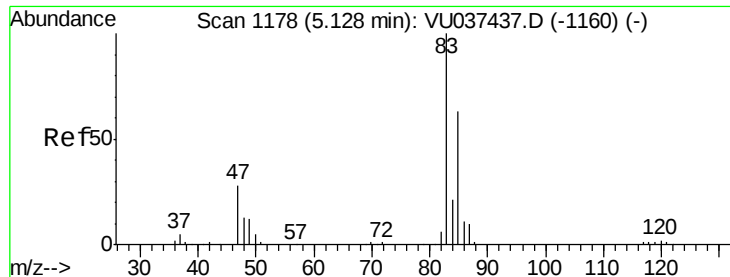
Tgt Ion: 43 Resp: 1153

Ion Ratio Lower Upper

43 100

58 14.5 0.0 66.0

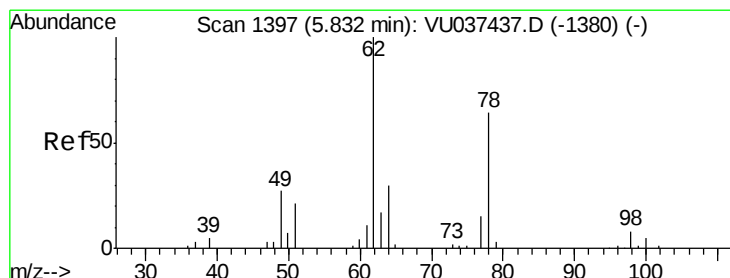
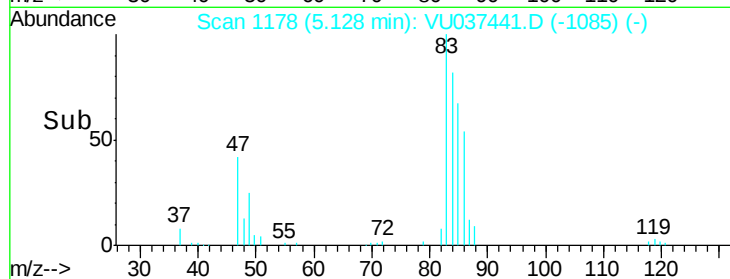
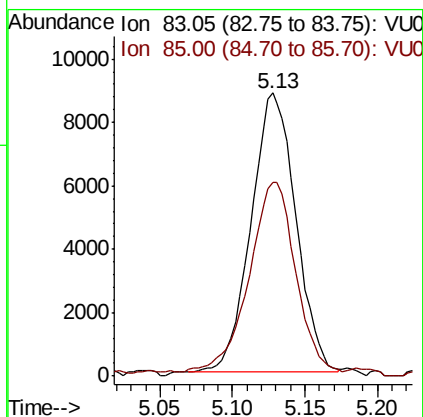
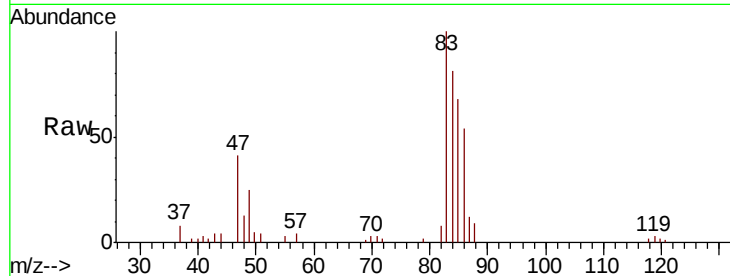




#25
Chloroform
Concen: 1.240 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037441.D
Acq: 29 Mar 2020 02:04

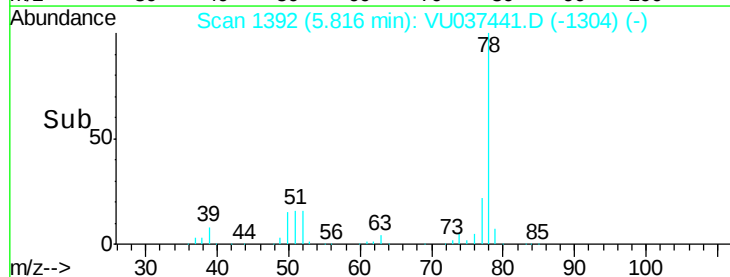
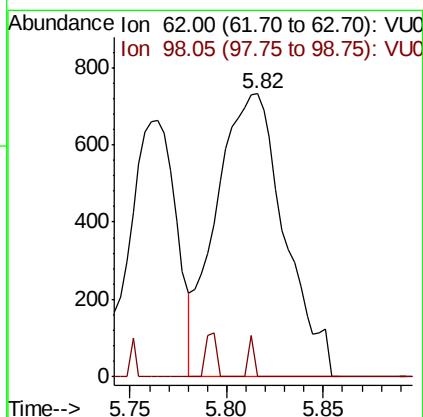
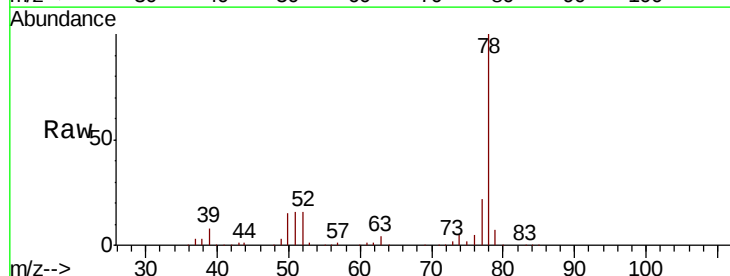
Instrument :
MSVOA_U
ClientSampleId :

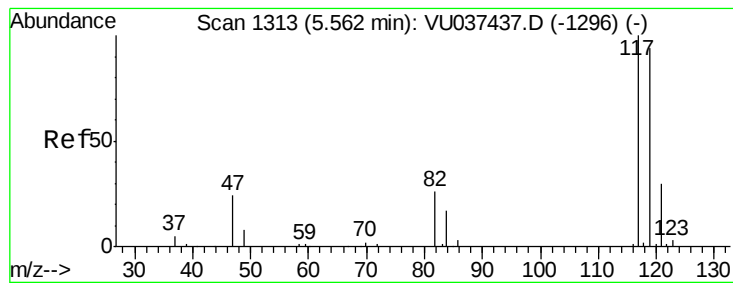
Tot Ion: 83 Resp: 18895
Ion Ratio Lower Upper
83 100
85 68.4 45.4 84.4



#27
1,2-Dichloroethane
Concen: 0.176 ug/L
RT: 5.82 min Scan# 1392
Delta R.T. -0.02 min
Lab File: VU037441.D
Acq: 29 Mar 2020 02:04

Tgt Ion: 62 Resp: 1795
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#





#31

Carbon tetrachloride

Concen: 0.892 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU037441.D

Acq: 29 Mar 2020 02:04

Instrument :

MSVOA_U

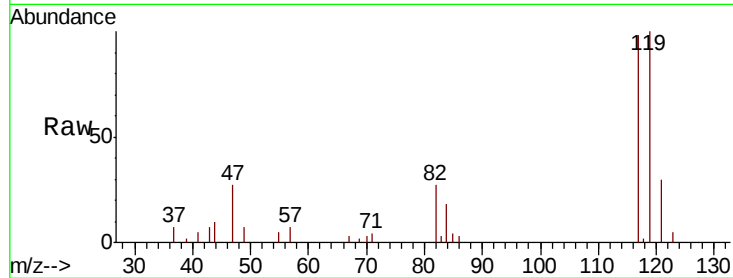
ClientSampled :

Tot Ion:117 Resp: 10360

Ion Ratio Lower Upper

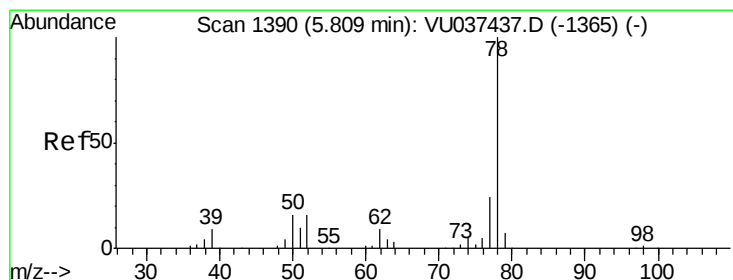
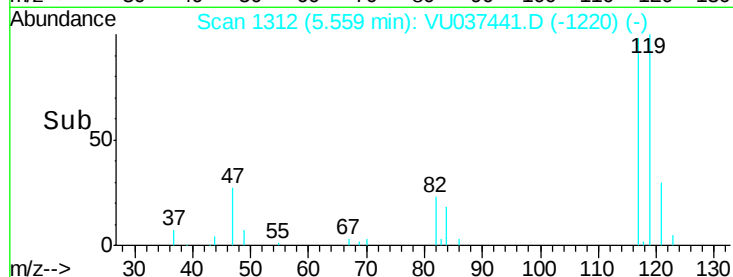
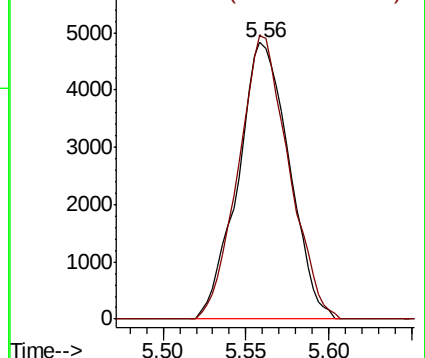
117 100

119 101.0 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.519 ug/L

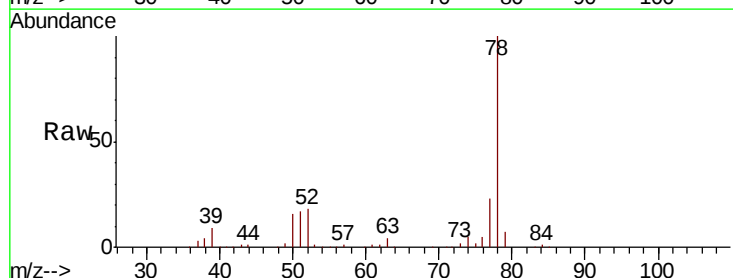
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

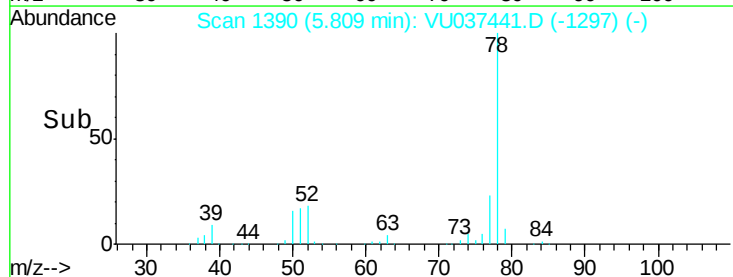
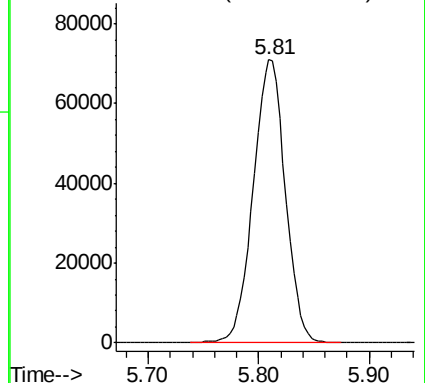
Lab File: VU037441.D

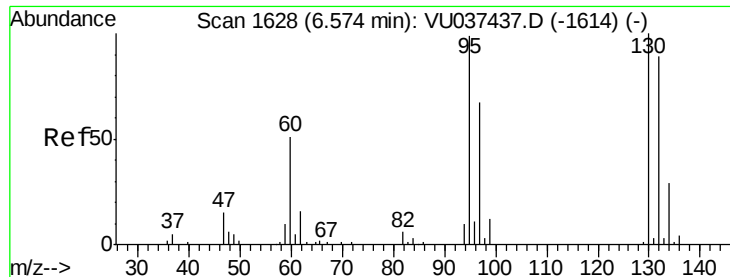
Acq: 29 Mar 2020 02:04

Tgt Ion: 78 Resp: 143207



Abundance Ion 78.10 (77.80 to 78.80): VU0

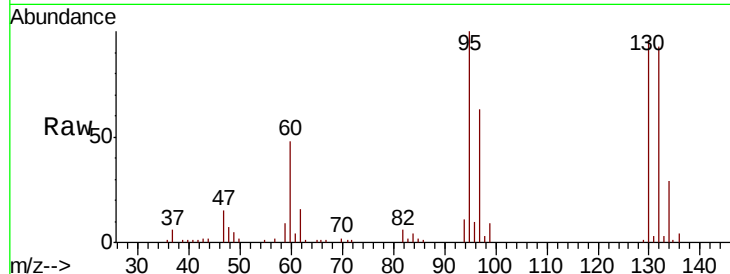




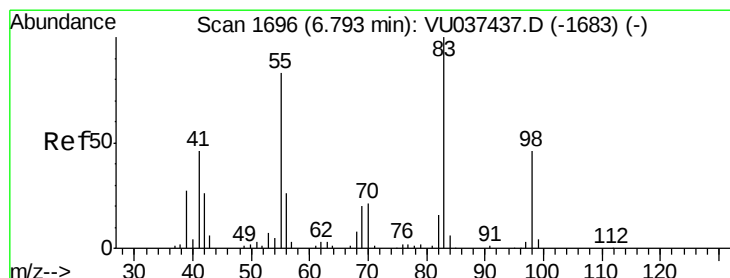
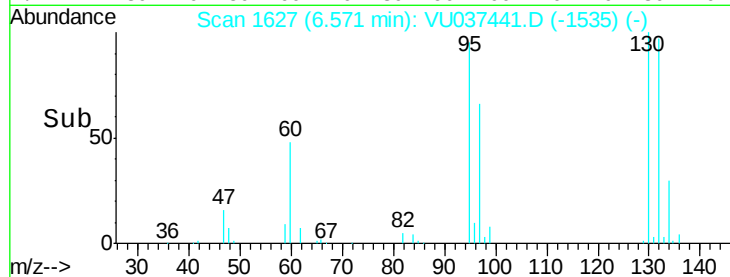
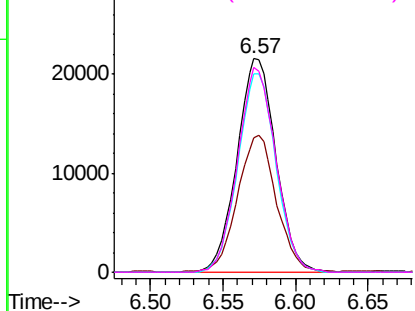
#34
 Trichloroethene
 Concen: 4.445 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU037441.D
 Acq: 29 Mar 2020 02:04

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 40123
 Ion Ratio Lower Upper
 95 100
 97 63.2 45.3 84.1
 132 92.9 62.7 116.5
 130 96.0 69.1 128.3

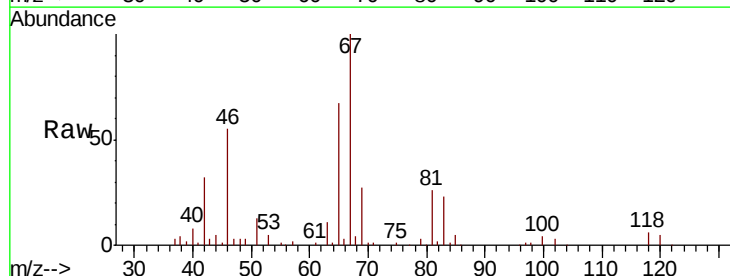


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

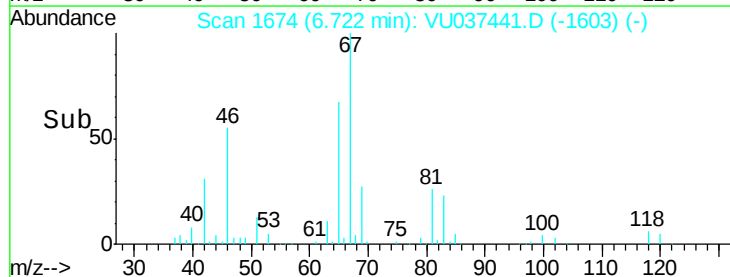
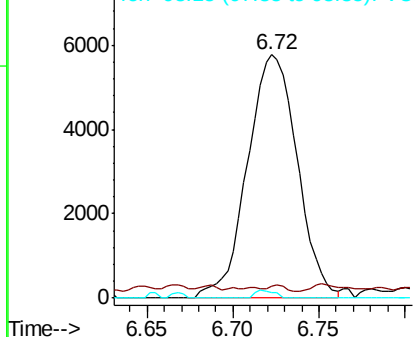


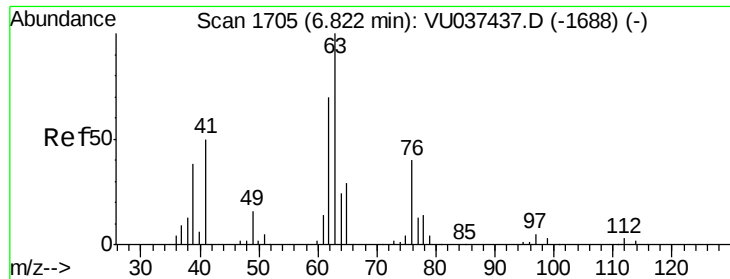
#35
 Methylcyclohexane
 Concen: 0.812 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.07 min
 Lab File: VU037441.D
 Acq: 29 Mar 2020 02:04

Tgt Ion: 83 Resp: 11592
 Ion Ratio Lower Upper
 83 100
 55 0.8 64.2 96.4#
 98 0.0 36.3 54.5#



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

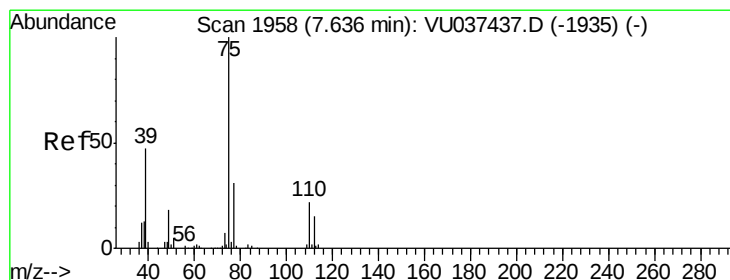
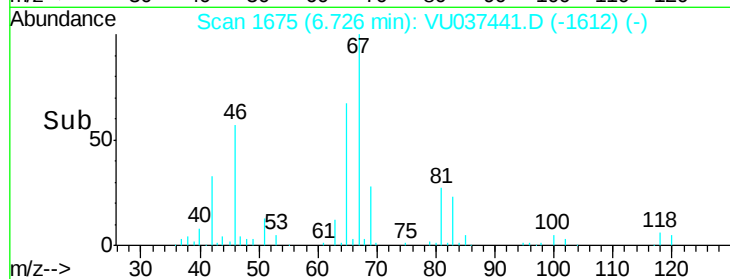
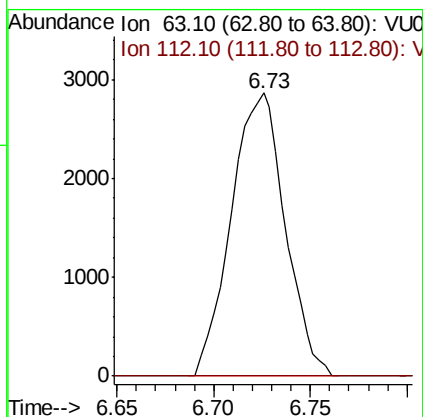
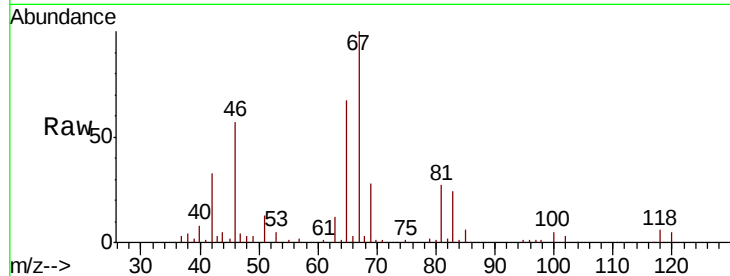




#37
 1,2-Dichloropropane
 Concen: 0.678 ug/L
 RT: 6.73 min Scan# 1675
 Delta R.T. -0.10 min
 Lab File: VU037441.D
 Acq: 29 Mar 2020 02:04

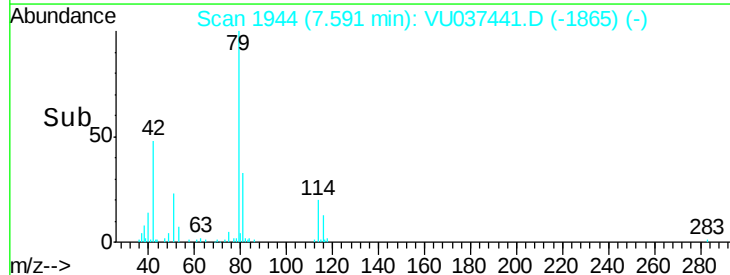
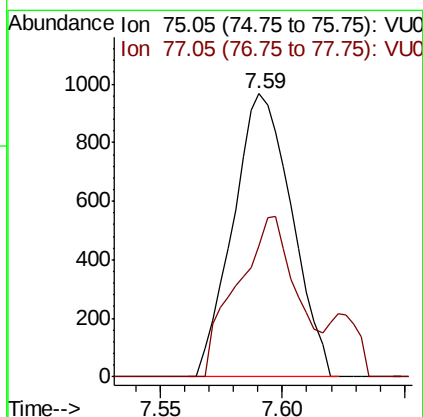
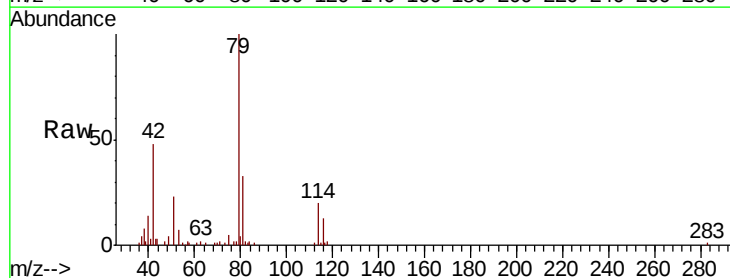
Instrument :
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 ClientSampleId :

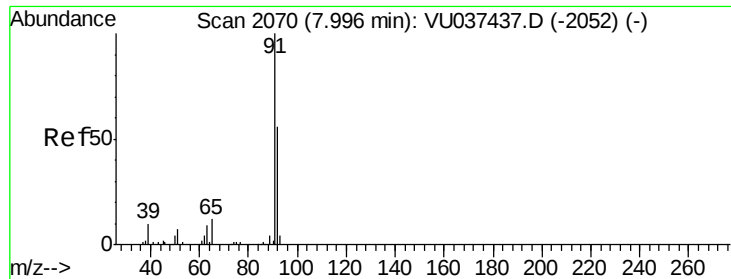
Tot Ion: 63 Resp: 5555
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.121 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU037441.D
 Acq: 29 Mar 2020 02:04

Tgt Ion: 75 Resp: 1613
 Ion Ratio Lower Upper
 75 100
 77 46.1 21.1 39.3#





#42

Toluene

Concen: 4.641 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU037441.D

Acq: 29 Mar 2020 02:04

Instrument :

MSVOA_U

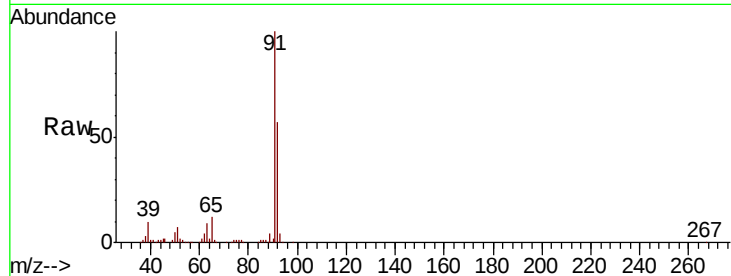
ClientSampleId :

Tot Ion: 91 Resp: 158496

Ion Ratio Lower Upper

91 100

92 56.9 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VU037437.D (-2052) (-)

Ion 92.15 (91.85 to 92.85): VU037437.D (-2052) (-)

7.99

100000

80000

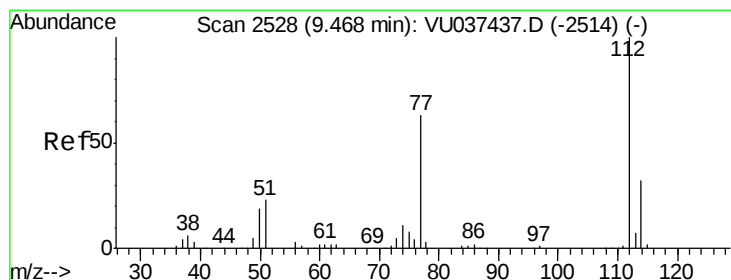
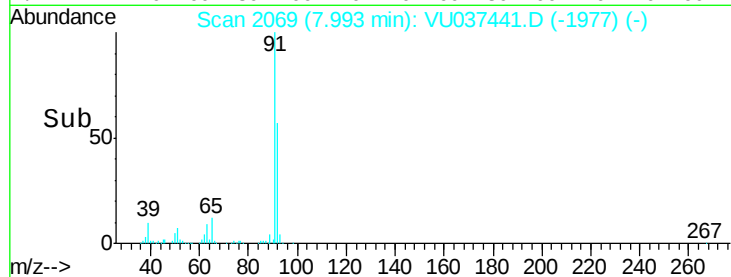
60000

40000

20000

0

Time-->



#51

Chlorobenzene

Concen: 4.323 ug/L

RT: 9.47 min Scan# 2528

Delta R.T. 0.00 min

Lab File: VU037441.D

Acq: 29 Mar 2020 02:04

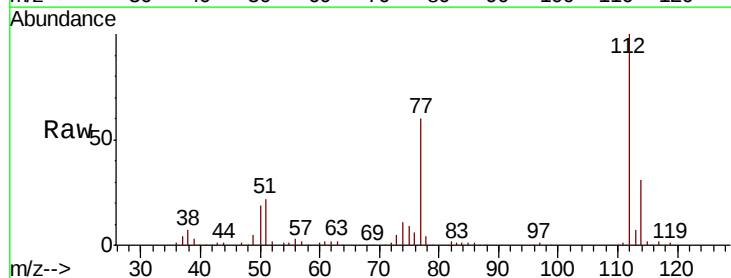
Tgt Ion: 112 Resp: 101987

Ion Ratio Lower Upper

112 100

114 31.3 22.4 41.6

77 59.6 50.5 75.7



Abundance Ion 112.10 (111.80 to 112.80): VU037437.D (-2514) (-)

Ion 114.05 (113.75 to 114.75): VU037437.D (-2514) (-)

Ion 77.10 (76.80 to 77.80): VU037437.D (-2514) (-)

9.47

80000

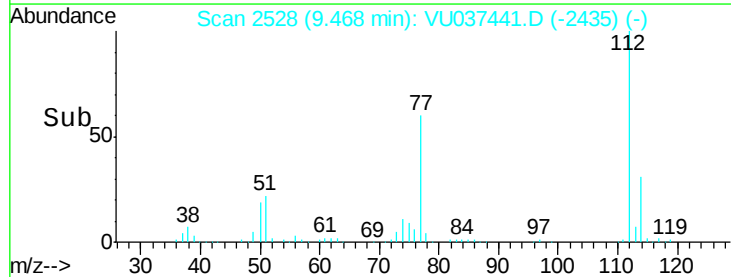
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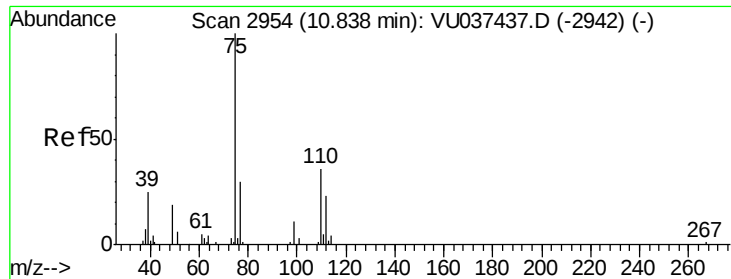
40000

20000

0

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: VU037441.D

Acq: 29 Mar 2020 02:04

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 7097

Ion Ratio Lower Upper

75 100

77 39.4 27.4 41.2

