

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042920\
 Data File : VU037920.D
 Acq On : 29 Apr 2020 18:29
 Operator : JC/MD
 Sample : L2410-18MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DBFF4MSD

Quant Time: Apr 30 03:46:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 30 01:17:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	672847	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	656601	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	311764	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	192665	32.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	65.54%
7) Chloroethane-d5	1.93	69	181917	39.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.86%
11) 1,1-Dichloroethene-d2	2.59	63	374448	39.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.70%
21) 2-Butanone-d5	4.66	46	423768	90.97	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.97%
24) Chloroform-d	5.10	84	388997	43.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.88%
26) 1,2-Dichloroethane-d4	5.74	65	273210	44.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.12%
32) Benzene-d6	5.76	84	807844	43.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.02%
36) 1,2-Dichloropropane-d6	6.72	67	279718	45.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.08%
41) Toluene-d8	7.92	98	718949	42.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.26%
43) trans-1,3-Dichloropropene-	8.20	79	130114	40.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.40%
47) 2-Hexanone-d5	8.65	63	327151	96.77	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.77%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	404322	46.79	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.58%
64) 1,2-Dichlorobenzene-d4	12.20	152	275874	45.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.96%

Target Compounds

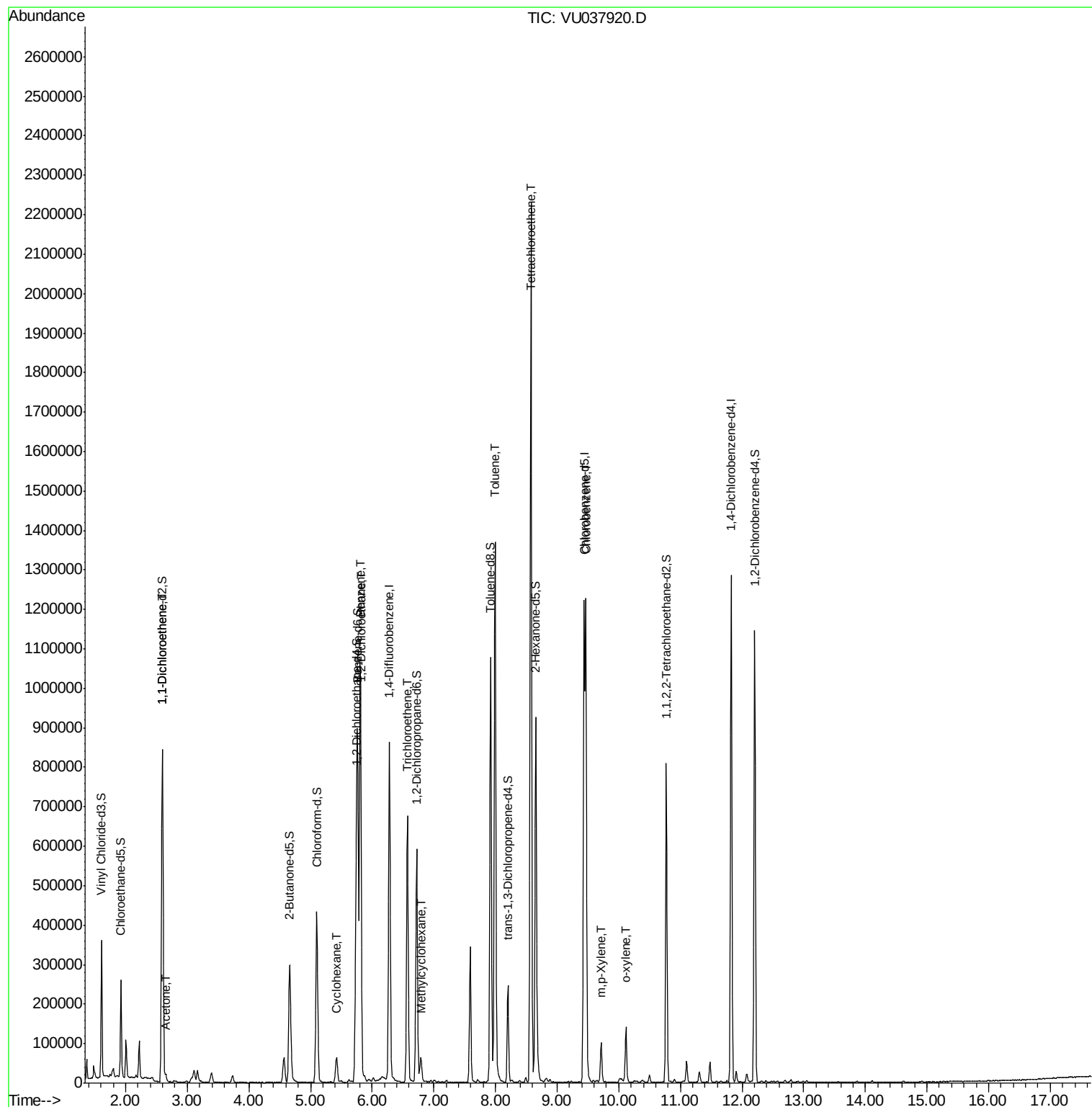
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.60	96	190661	46.674	ug/L	87
13) Acetone	2.65	43	22228	7.998	ug/L	93
27) 1,2-Dichloroethane	5.83	62	24734	3.352	ug/L #	94
29) Cyclohexane	5.42	56	33565	3.654	ug/L	95
33) Benzene	5.81	78	987689	49.560	ug/L	100
34) Trichloroethene	6.57	95	224199	45.863	ug/L	98
35) Methylcyclohexane	6.79	83	24635	2.878	ug/L	100
42) Toluene	7.99	91	1006533	48.172	ug/L	100
46) Tetrachloroethene	8.57	164	482784	135.119	ug/L	98
51) Chlorobenzene	9.47	112	617420	47.506	ug/L	100
53) m,p-Xylene	9.72	106	27562	3.129	ug/L	96
54) o-xylene	10.12	106	38354	4.451	ug/L	99

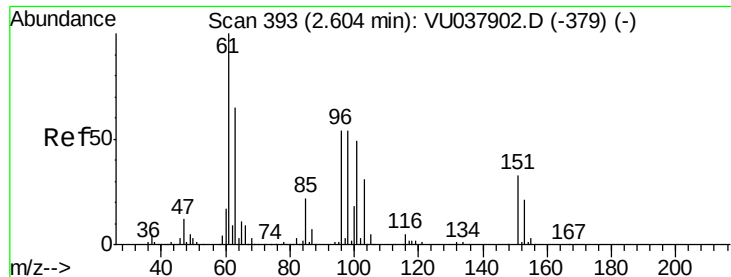
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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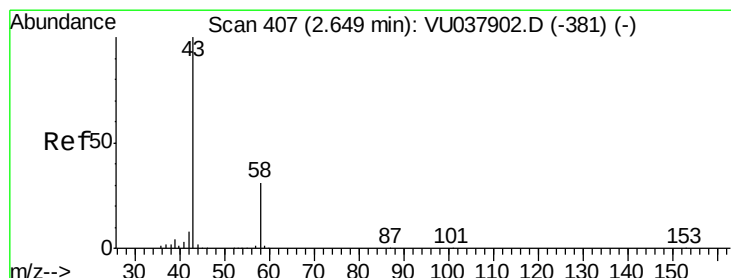
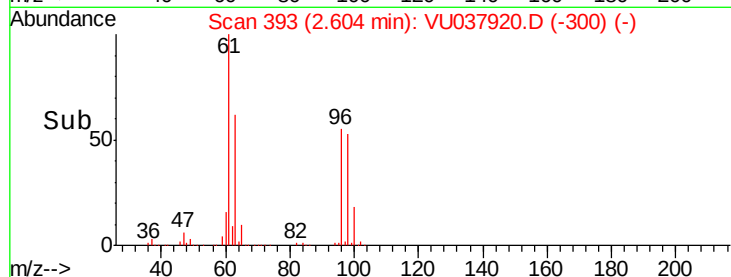
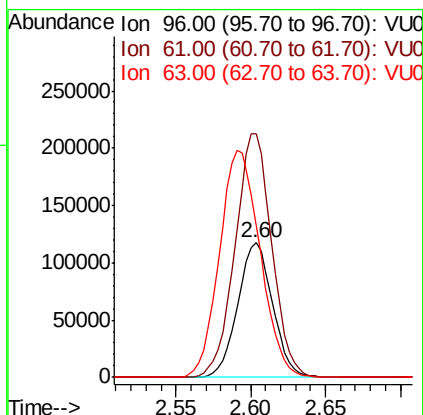
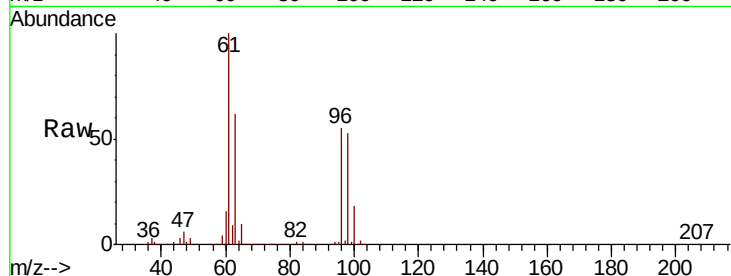




#12
 1,1-Dichloroethene
 Concen: 46.674 ug/L
 RT: 2.60 min Scan# 393
 Delta R.T. -0.00 min
 Lab File: VU037920.D
 Acq: 29 Apr 2020 18:29

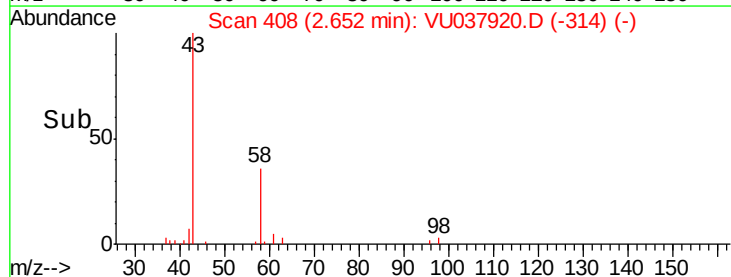
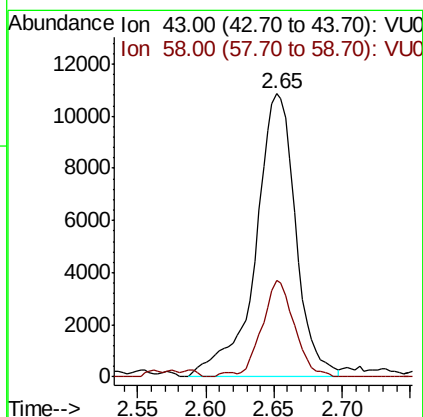
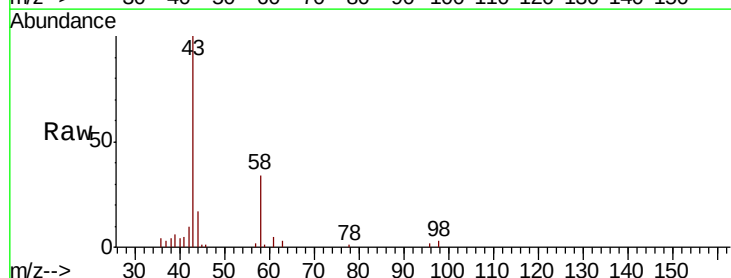
Instrument :
 MSVOA_U
 ClientSampleId :
 DBFF4MSD

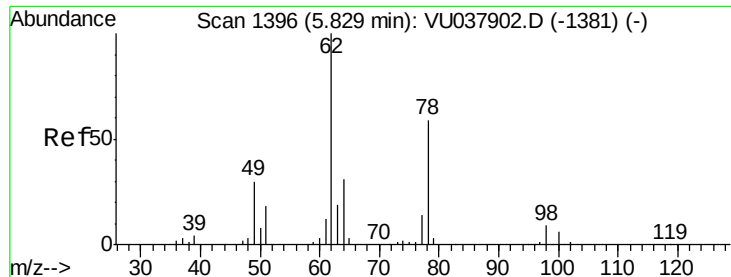
Tot Ion	96	Resp	190661
Ion	Ratio	Lower	Upper
96	100		
61	181.1	134.1	249.0
63	113.1	96.5	179.1



#13
 Acetone
 Concen: 7.998 ug/L
 RT: 2.65 min Scan# 408
 Delta R.T. 0.00 min
 Lab File: VU037920.D
 Acq: 29 Apr 2020 18:29

Tgt Ion	43	Resp	22228
Ion	Ratio	Lower	Upper
43	100		
58	27.2	0.0	62.0

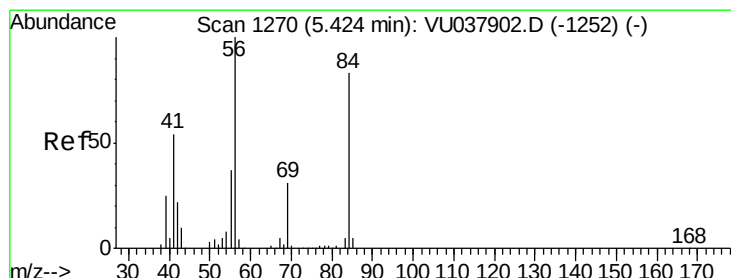
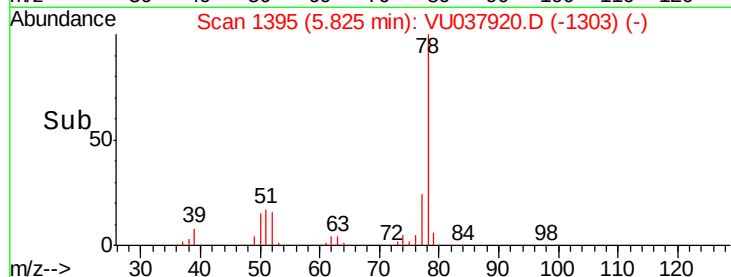
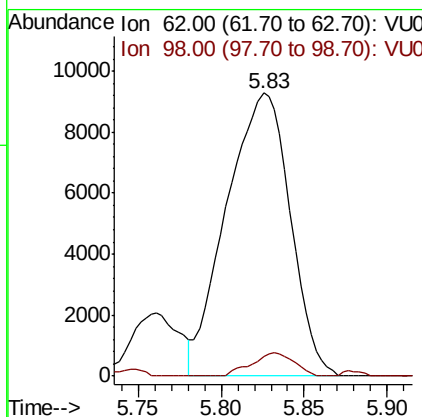
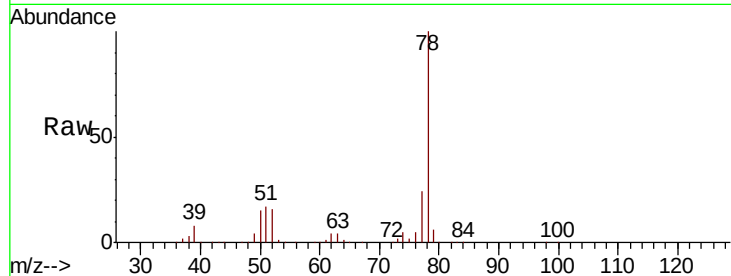




#27
 1,2-Dichloroethane
 Concen: 3.352 ug/L
 RT: 5.83 min Scan# 1395
 Delta R.T. -0.00 min
 Lab File: VU037920.D
 Acq: 29 Apr 2020 18:29

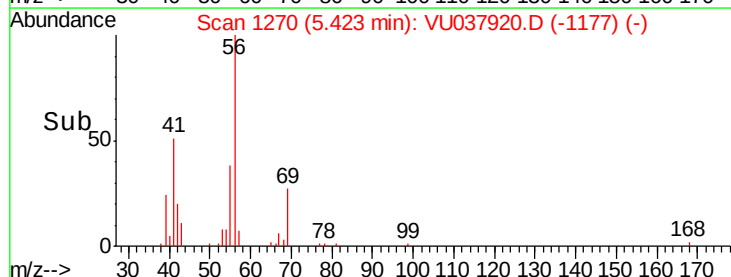
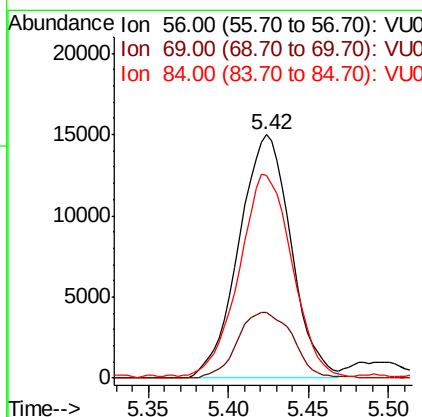
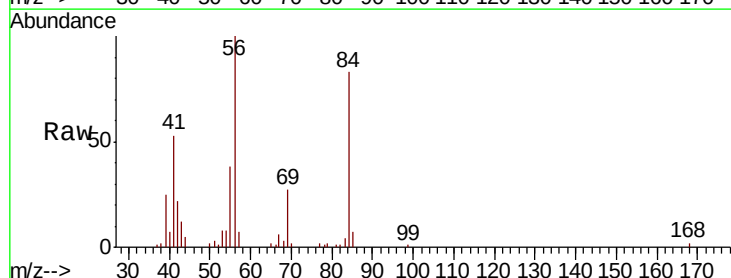
Instrument :
 MSVOA_U
 ClientSampleId :
 DBFF4MSD

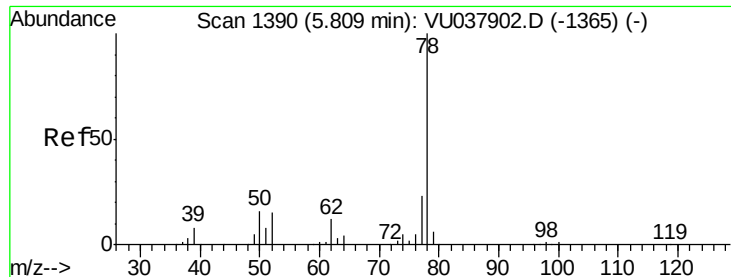
Tot Ion: 62 Resp: 24734
 Ion Ratio Lower Upper
 62 100
 98 6.9 7.3 10.9#



#29
 Cyclohexane
 Concen: 3.654 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU037920.D
 Acq: 29 Apr 2020 18:29

Tgt Ion: 56 Resp: 33565
 Ion Ratio Lower Upper
 56 100
 69 28.3 22.9 34.3
 84 84.8 63.6 95.4





#33

Benzene

Concen: 49.560 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU037920.D

Acq: 29 Apr 2020 18:29

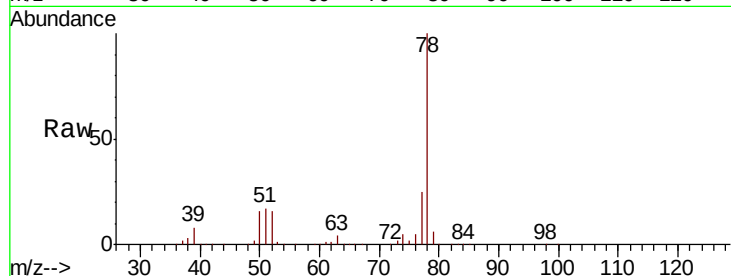
Instrument :

MSVOA_U

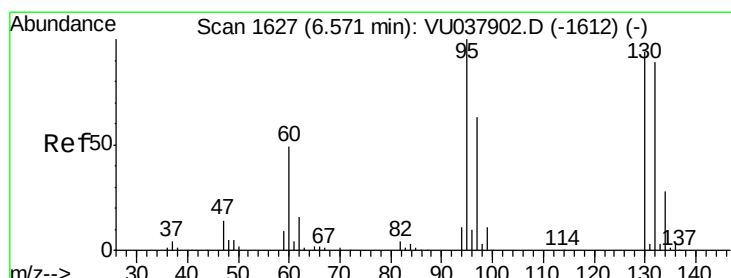
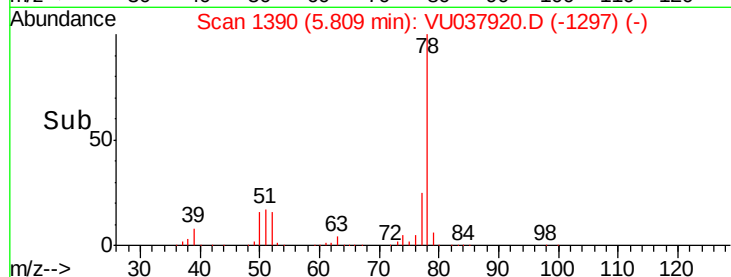
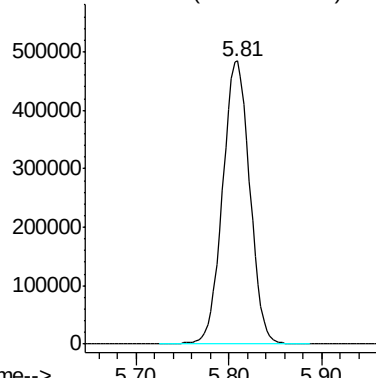
ClientSampled :

DBFF4MSD

Tgt Ion: 78 Resp: 987689



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 45.863 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU037920.D

Acq: 29 Apr 2020 18:29

Tgt Ion: 95 Resp: 224199

Ion	Ratio	Lower	Upper
95	100		
97	63.8	44.4	82.5
132	89.9	65.0	120.6
130	94.6	65.5	121.7

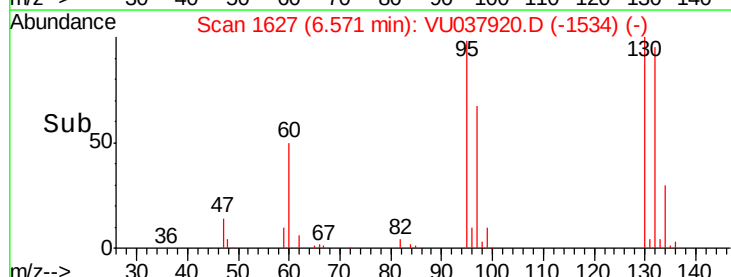
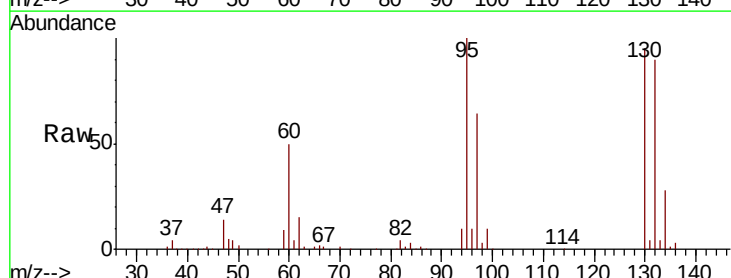
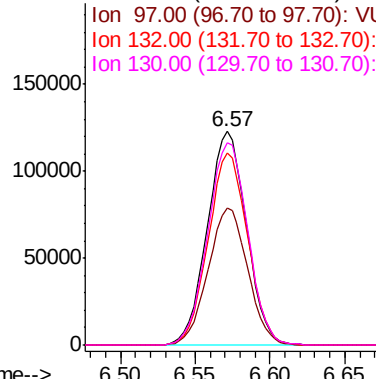
Ion 95.00 (94.70 to 95.70): VU0

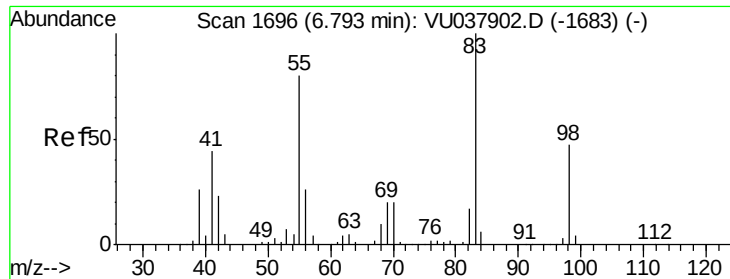
Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

Abundance Ion 95.00 (94.70 to 95.70): VU0

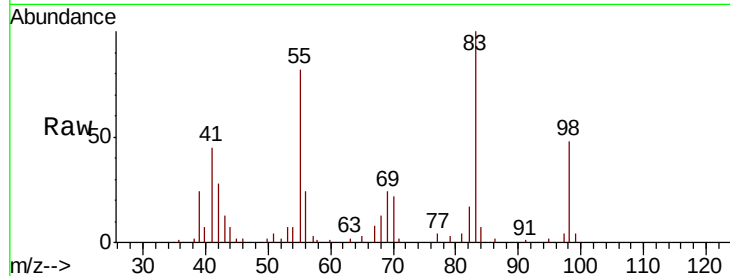




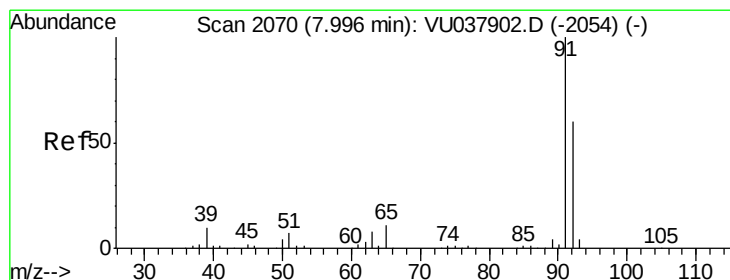
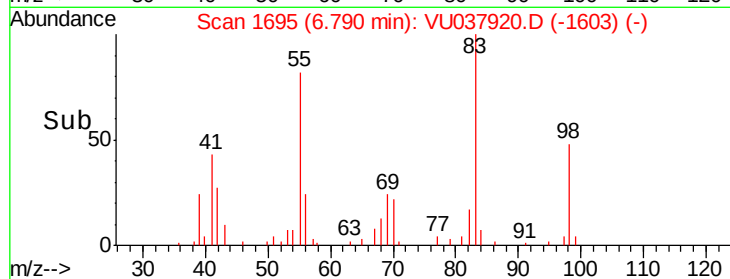
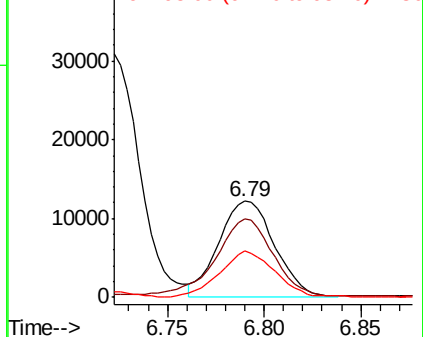
#35
Methylvlcyclohexane
Concen: 2.878 ug/L
RT: 6.79 min Scan# 1695
Delta R.T. -0.00 min
Lab File: VU037920.D
Acq: 29 Apr 2020 18:29

Instrument :
MSVOA_U
ClientSampleId :
DBFF4MSD

Tot Ion: 83 Resp: 24635
Ion Ratio Lower Upper
83 100
55 83.1 66.3 99.5
98 47.3 37.4 56.0

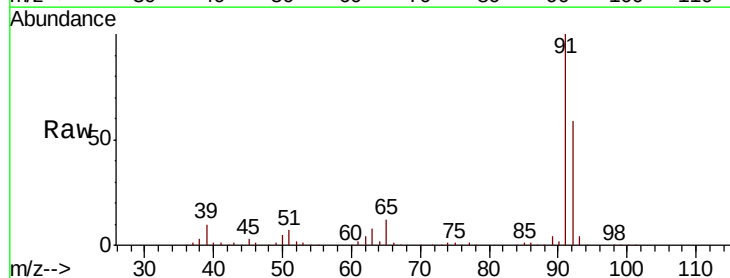


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

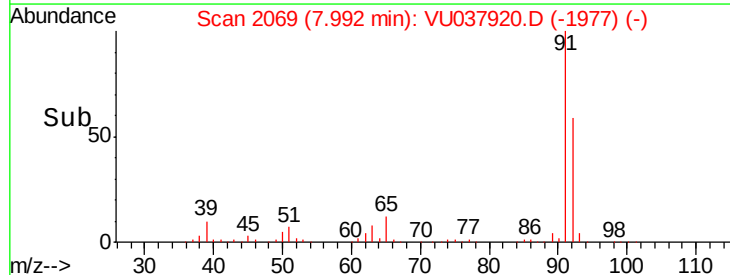
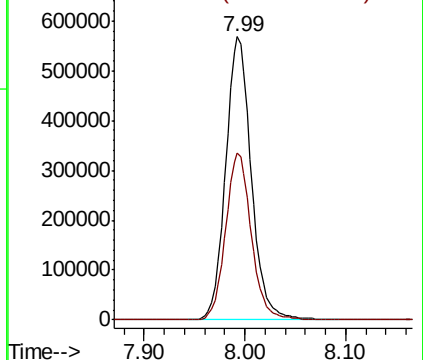


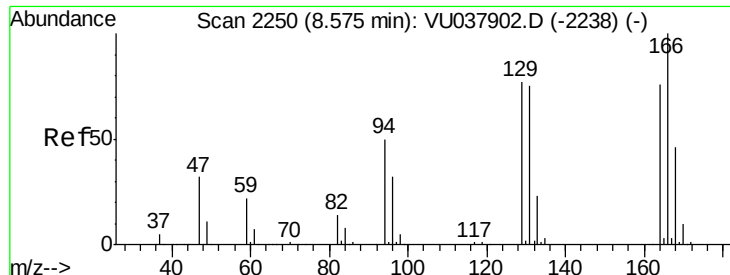
#42
Toluene
Concen: 48.172 ug/L
RT: 7.99 min Scan# 2069
Delta R.T. -0.00 min
Lab File: VU037920.D
Acq: 29 Apr 2020 18:29

Tgt Ion: 91 Resp: 1006533
Ion Ratio Lower Upper
91 100
92 59.1 41.2 76.6



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0





#46

Tetrachloroethene

Concen: 135.119 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU037920.D

Acq: 29 Apr 2020 18:29

Instrument :

MSVOA_U

ClientSampleId :

DBFF4MSD

Tot Ion:164 Resp: 482784

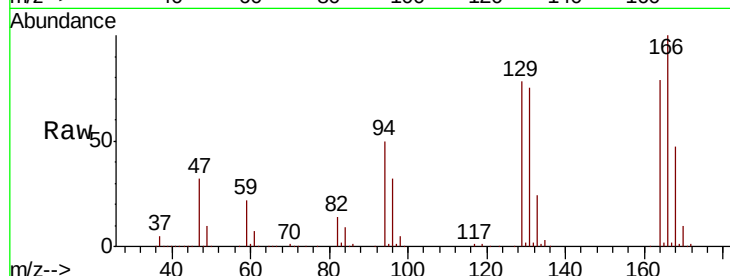
Ion Ratio Lower Upper

164 100

129 99.3 67.3 125.1

131 94.8 64.8 120.4

166 127.0 88.5 164.4

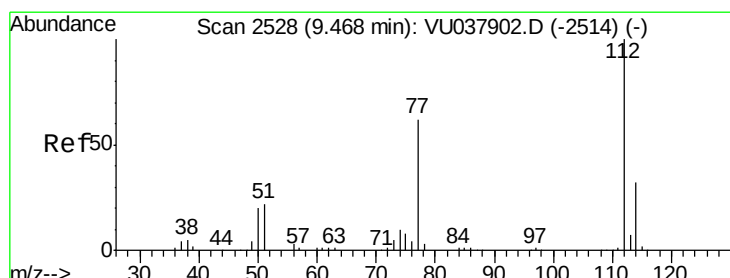
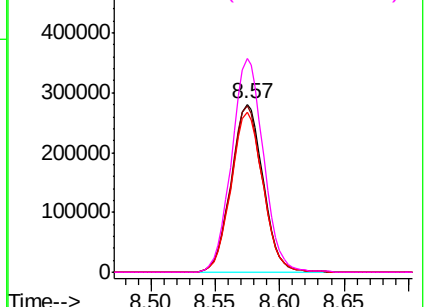
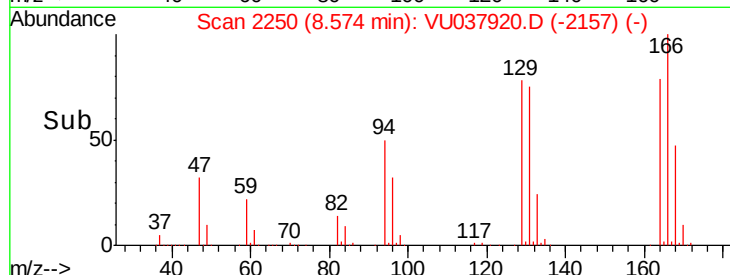


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#51

Chlorobenzene

Concen: 47.506 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU037920.D

Acq: 29 Apr 2020 18:29

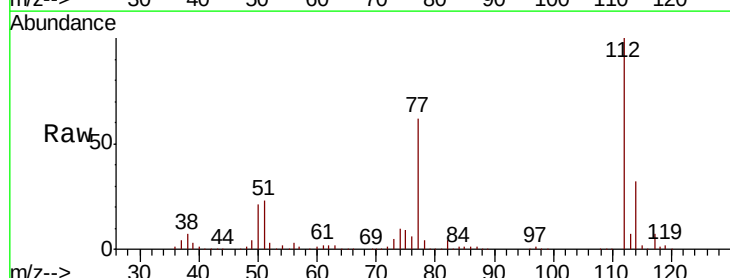
Tgt Ion:112 Resp: 617420

Ion Ratio Lower Upper

112 100

114 32.0 22.3 41.3

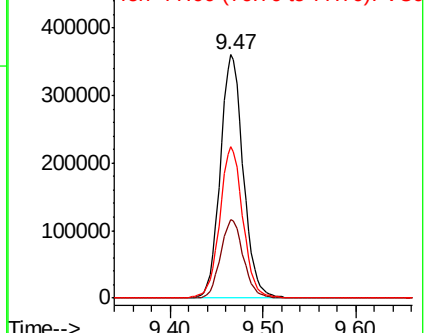
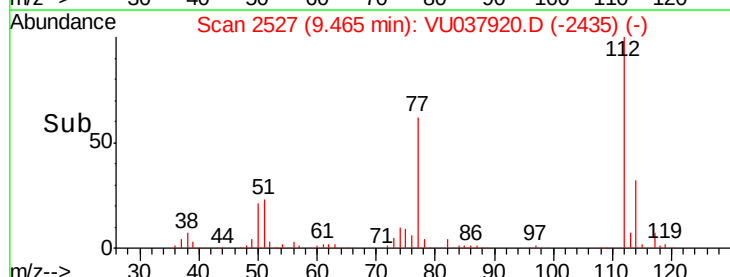
77 62.0 49.8 74.6

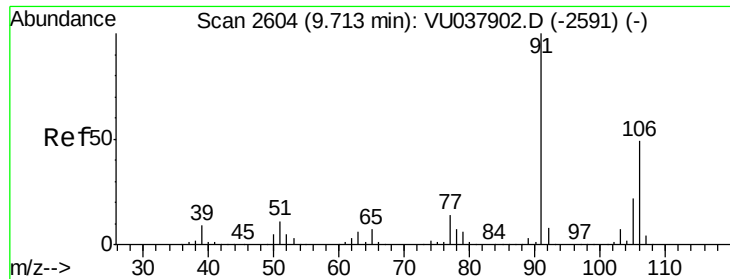


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#53

m,p-Xylene

Concen: 3.129 ug/L

RT: 9.72 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VU037920.D

Acq: 29 Apr 2020 18:29

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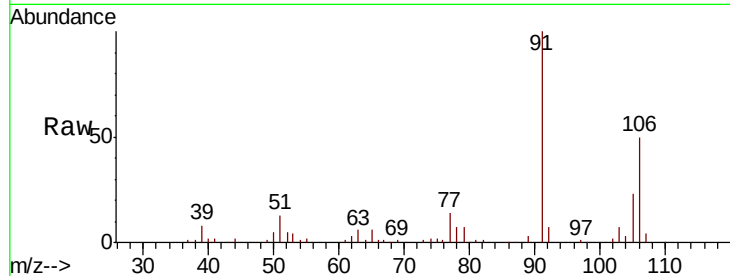
DBFF4MSD

Tot Ion:106 Resp: 27562

Ion Ratio Lower Upper

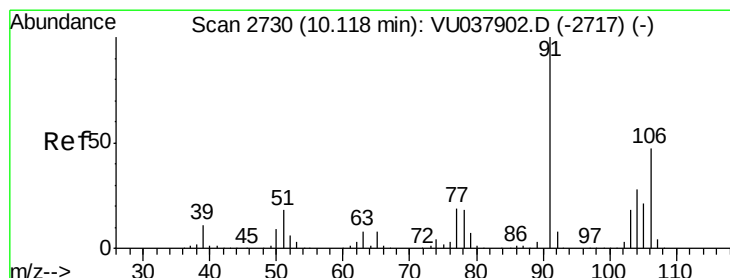
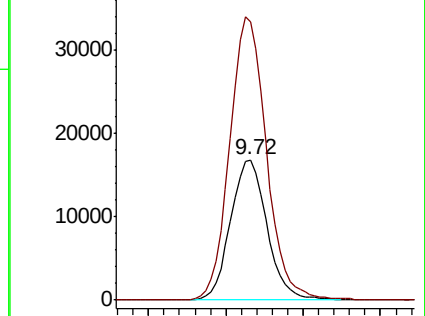
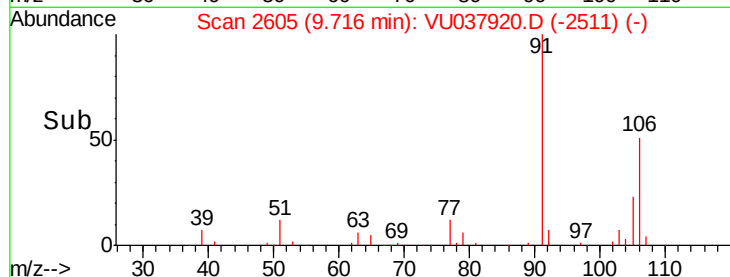
106 100

91 198.1 142.8 265.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 4.451 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VU037920.D

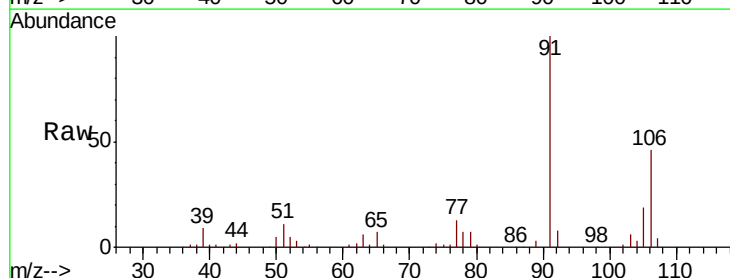
Acq: 29 Apr 2020 18:29

Tgt Ion:106 Resp: 38354

Ion Ratio Lower Upper

106 100

91 216.7 150.6 279.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

