

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030520\
 Data File : VU037093.D
 Acq On : 05 Mar 2020 19:12
 Operator : JC/MD
 Sample : L1780-12DL 500X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0DH1DL

Quant Time: Mar 05 22:40:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 05 22:35:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	249267	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	240333	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	90249	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	75130	35.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.78%
7) Chloroethane-d5	1.93	69	78078	45.08	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.16%
11) 1,1-Dichloroethene-d2	2.59	63	105764	30.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.34%
21) 2-Butanone-d5	4.67	46	146394	104.26	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.26%
24) Chloroform-d	5.10	84	151159	47.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.58%
26) 1,2-Dichloroethane-d4	5.74	65	107332	49.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.24%
32) Benzene-d6	5.76	84	325609	46.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.70%
36) 1,2-Dichloropropane-d6	6.72	67	110032	48.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.74%
41) Toluene-d8	7.92	98	283281	43.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.86%
43) trans-1,3-Dichloropropene-	8.20	79	44245	42.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.56%
47) 2-Hexanone-d5	8.66	63	99555	90.43	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.43%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	155454	48.97	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.94%
64) 1,2-Dichlorobenzene-d4	12.21	152	90730	51.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.86%

Target Compounds

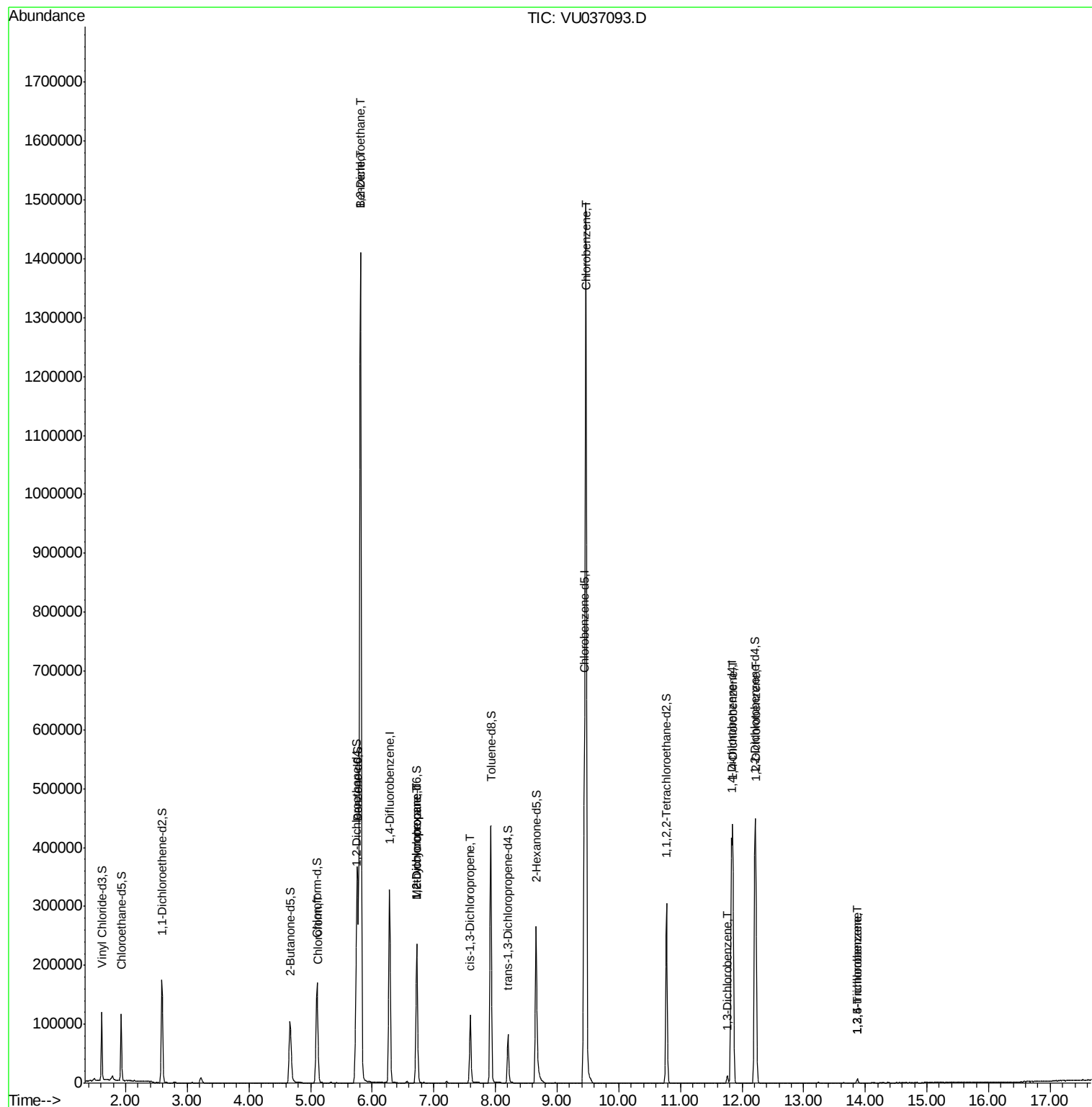
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
25) Chloroform	5.12	83	4382	1.351	ug/L	97
27) 1,2-Dichloroethane	5.81	62	11387	4.313	ug/L #	75
33) Benzene	5.81	78	1286166	169.400	ug/L	100
35) Methylcyclohexane	6.72	83	24279	7.504	ug/L #	19
37) 1,2-Dichloropropane	6.72	63	11986	5.863	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	2808	0.892	ug/L #	56
51) Chlorobenzene	9.47	112	757562	158.061	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	5186	1.771	ug/L	96
63) 1,4-Dichlorobenzene	11.85	146	148900	51.478	ug/L	97
65) 1,2-Dichlorobenzene	12.23	146	99532	34.049	ug/L	98
67) 1,3,5-Trichlorobenzene	13.87	180	2255	1.213	ug/L	92
68) 1,2,4-trichlorobenzene	13.87	180	2255	1.620	ug/L	93

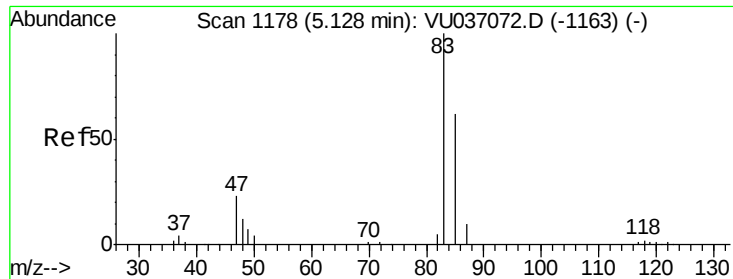
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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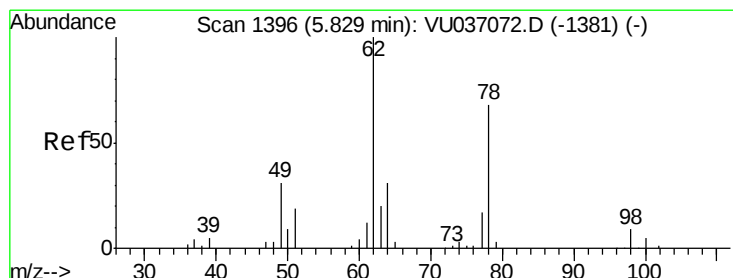
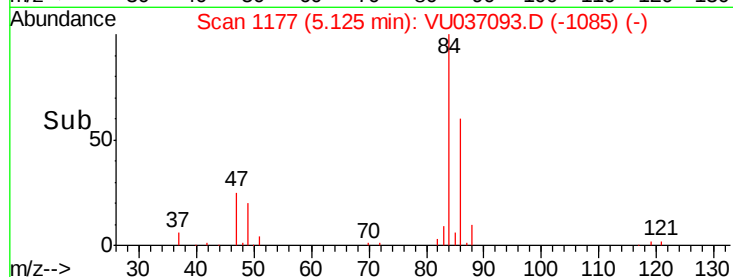
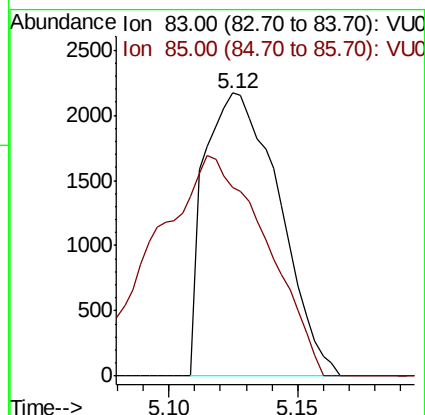
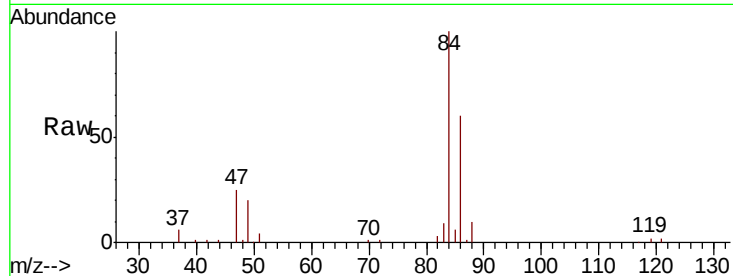




#25
Chloroform
Concen: 1.351 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU037093.D
Acq: 05 Mar 2020 19:12

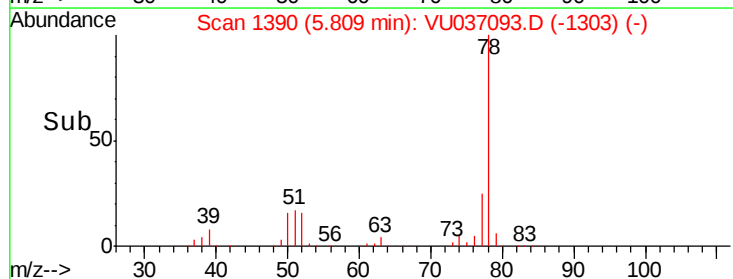
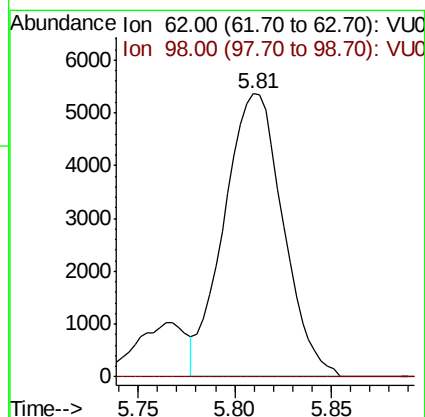
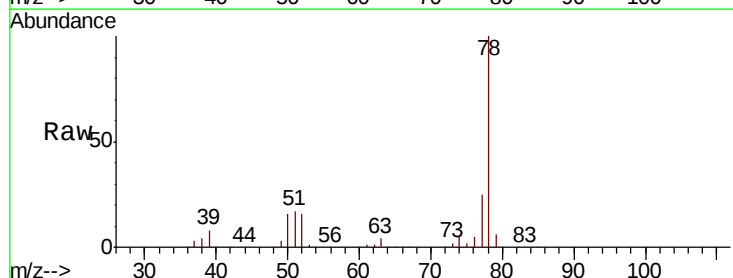
Instrument :
MSVOA_U
ClientSampleId :
C0DH1DL

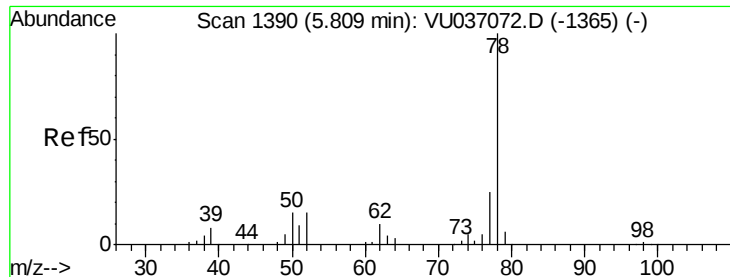
Tot Ion: 83 Resp: 4382
Ion Ratio Lower Upper
83 100
85 66.6 45.1 83.9



#27
1,2-Dichloroethane
Concen: 4.313 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.02 min
Lab File: VU037093.D
Acq: 05 Mar 2020 19:12

Tgt Ion: 62 Resp: 11387
Ion Ratio Lower Upper
62 100
98 0.0 7.1 10.7#





#33

Benzene

Concen: 169.400 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU037093.D

Acq: 05 Mar 2020 19:12

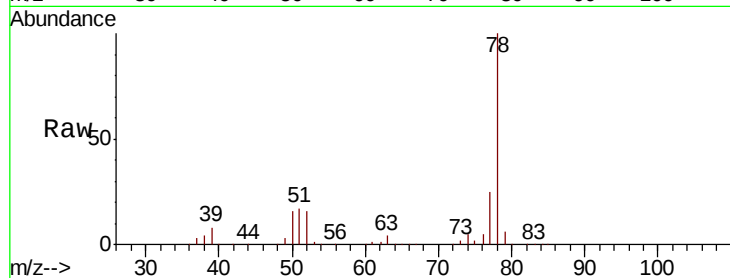
Instrument :

MSVOA_U

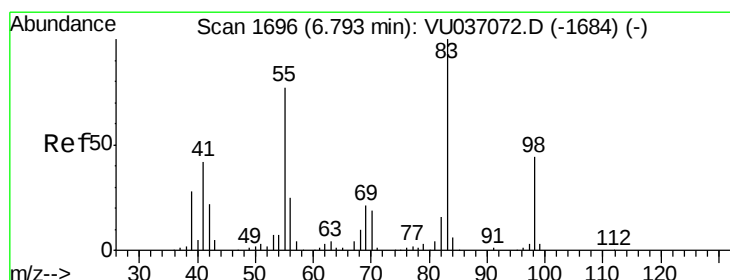
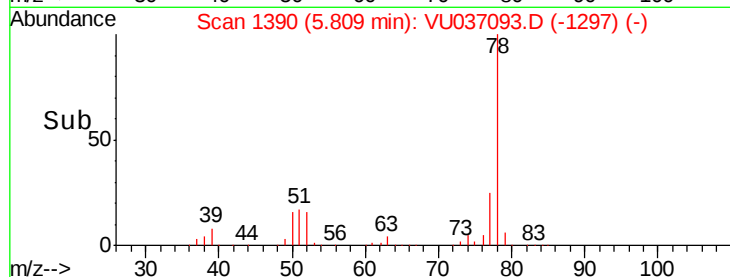
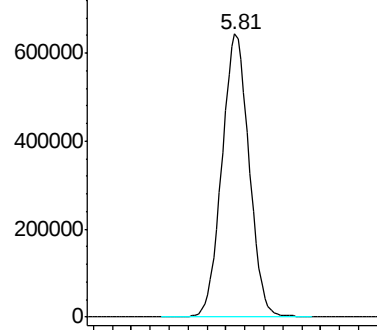
ClientSampleId :

C0DH1DL

Tgt Ion: 78 Resp: 1286166



Abundance Ion 78.00 (77.70 to 78.70): VU0



#35

Methylcyclohexane

Concen: 7.504 ug/L

RT: 6.72 min Scan# 1674

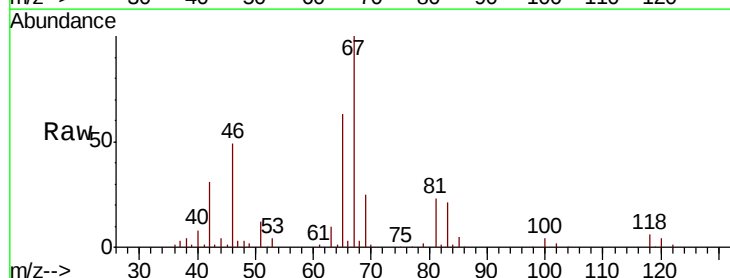
Delta R.T. -0.07 min

Lab File: VU037093.D

Acq: 05 Mar 2020 19:12

Tgt Ion: 83 Resp: 24279

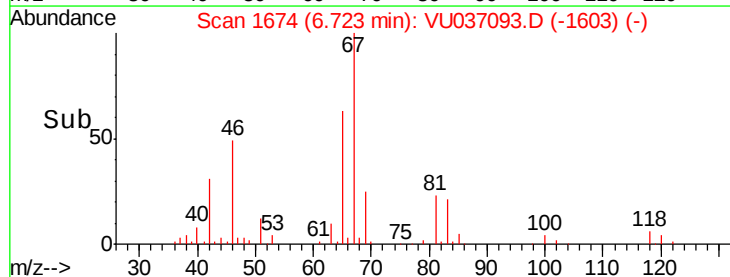
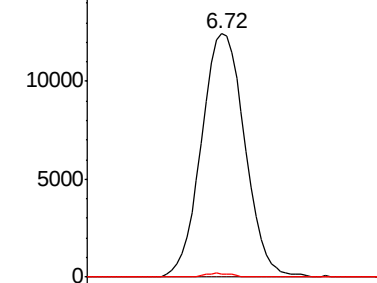
Ion	Ratio	Lower	Upper
83	100		
55	0.0	62.6	93.8#
98	1.0	35.1	52.7#

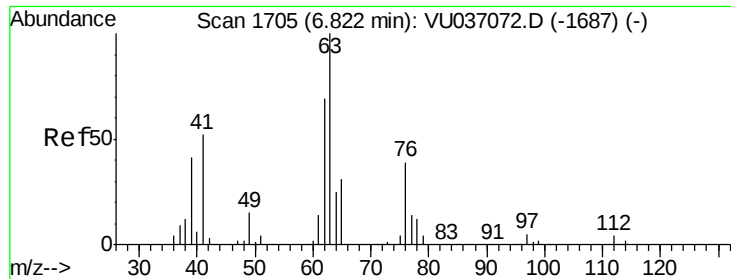


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

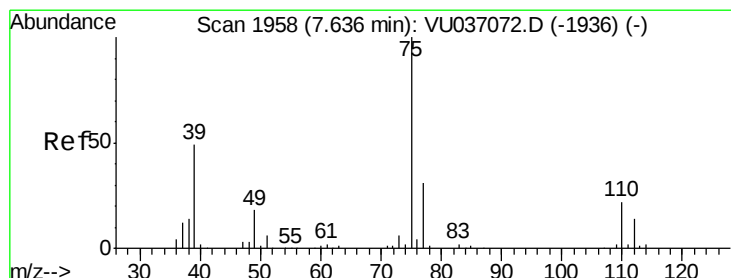
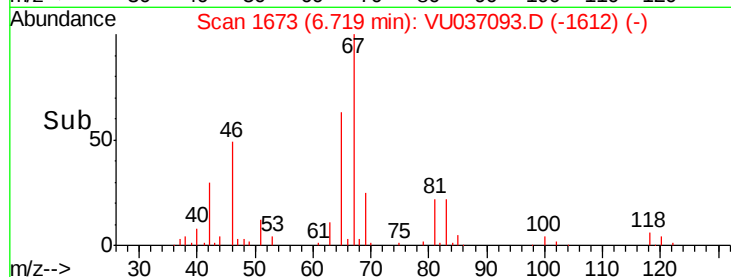
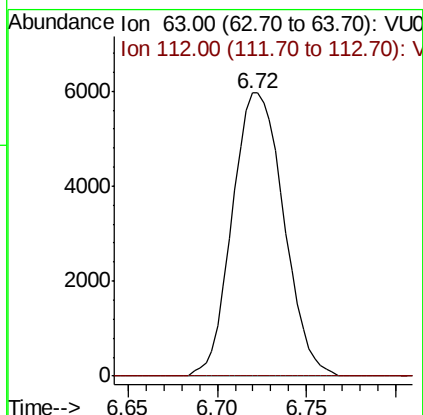
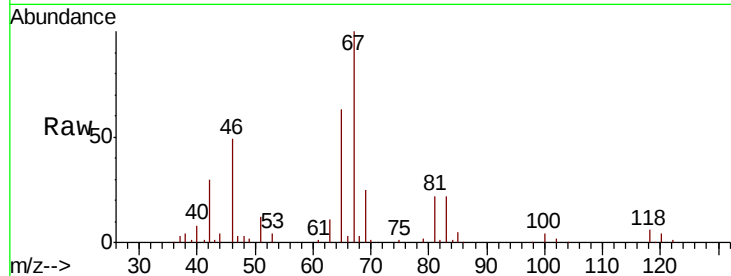




#37
 1,2-Dichloropropane
 Concen: 5.863 ug/L
 RT: 6.72 min Scan# 1673
 Delta R.T. -0.10 min
 Lab File: VU037093.D
 Acq: 05 Mar 2020 19:12

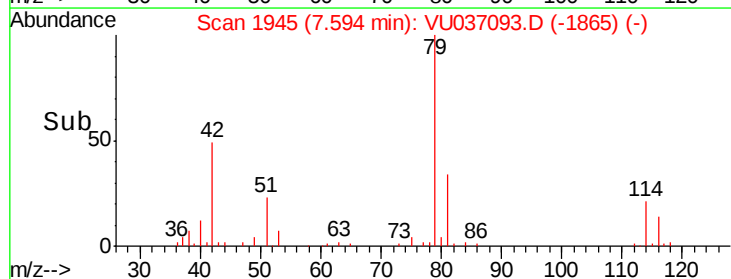
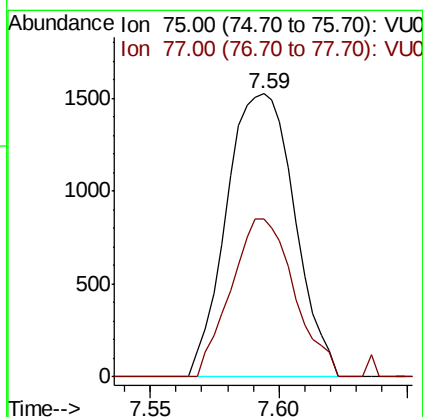
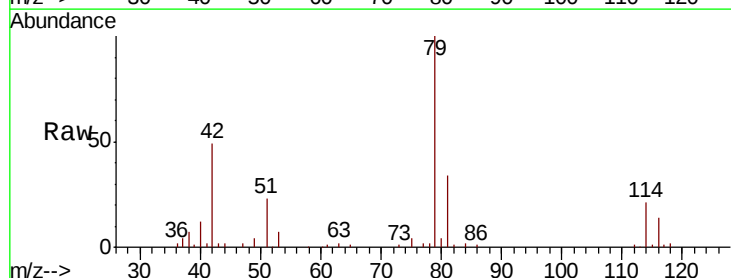
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 C0DH1DL

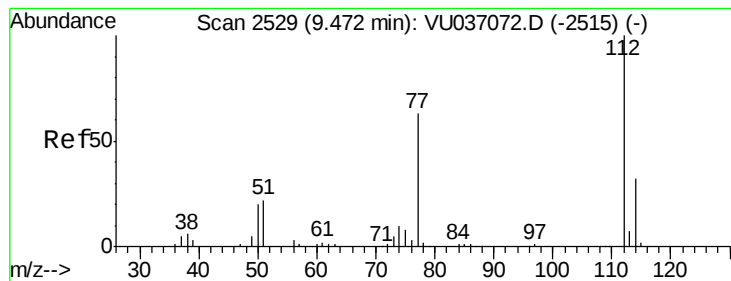
Tot Ion: 63 Resp: 11986
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.892 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: VU037093.D
 Acq: 05 Mar 2020 19:12

Tgt Ion: 75 Resp: 2808
 Ion Ratio Lower Upper
 75 100
 77 55.7 22.0 41.0#





#51

Chlorobenzene

Concen: 158.061 ug/L

RT: 9.47 min Scan# 2528

Delta R.T. -0.00 min

Lab File: VU037093.D

Acq: 05 Mar 2020 19:12

Instrument :

MSVOA_U

ClientSampleId :

C0DH1DL

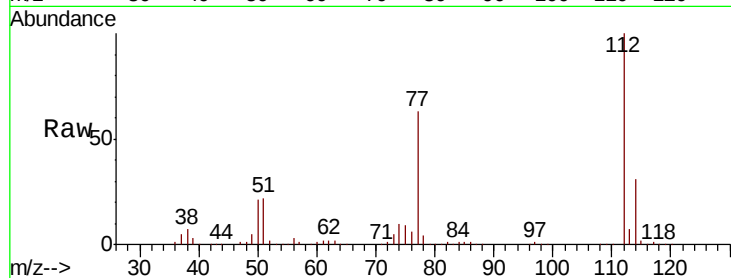
Tot Ion:112 Resp: 757562

Ion Ratio Lower Upper

112 100

114 31.5 22.3 41.5

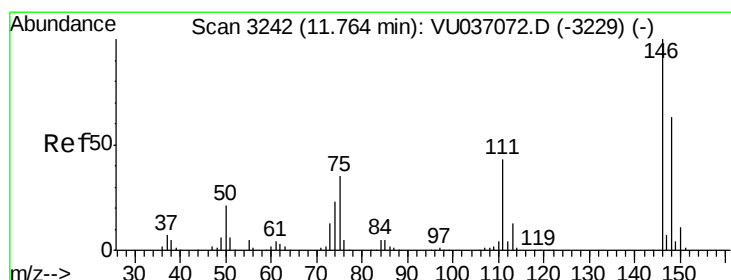
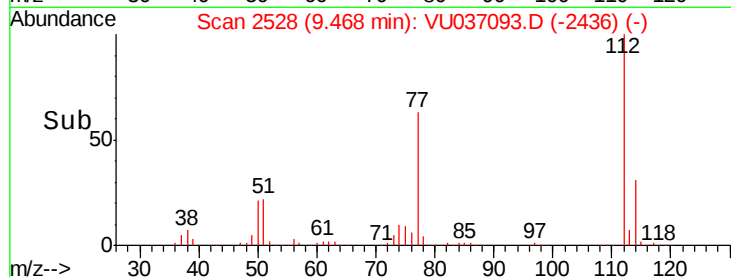
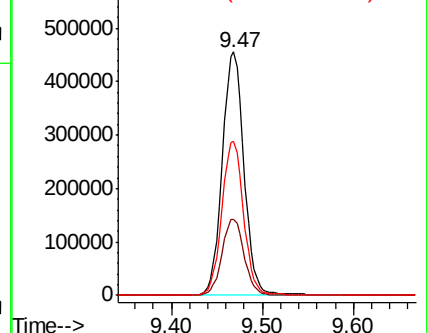
77 63.4 50.1 75.1



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



#62

1,3-Dichlorobenzene

Concen: 1.771 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. -0.00 min

Lab File: VU037093.D

Acq: 05 Mar 2020 19:12

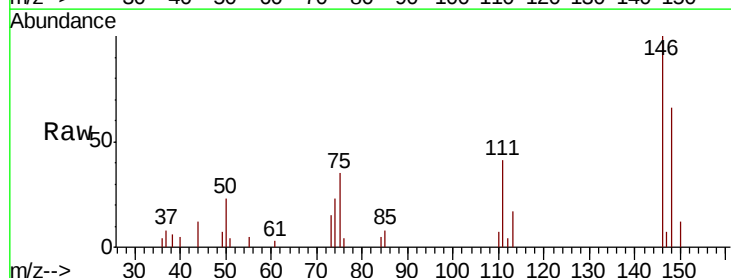
Tgt Ion:146 Resp: 5186

Ion Ratio Lower Upper

146 100

111 40.7 30.7 56.9

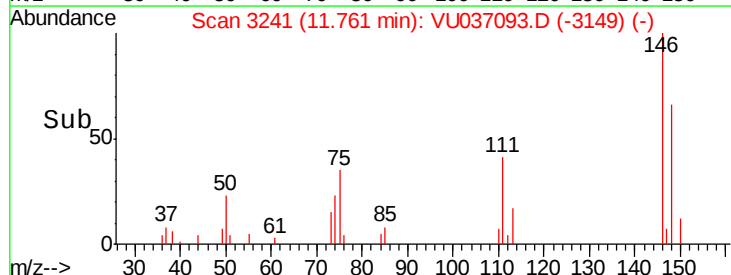
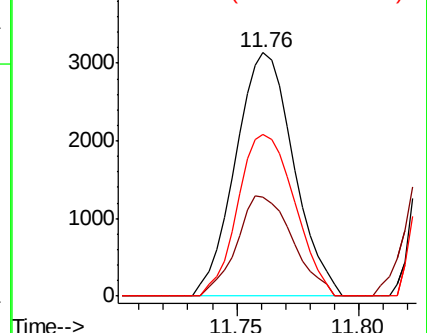
148 66.5 44.2 82.2

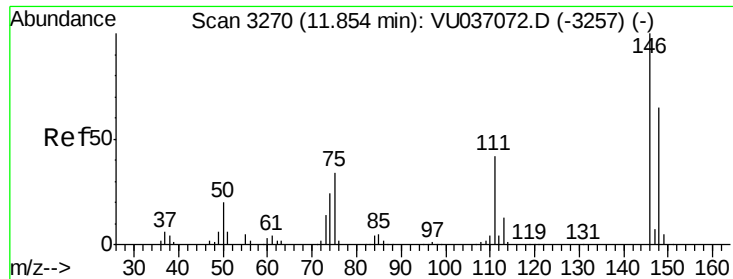


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

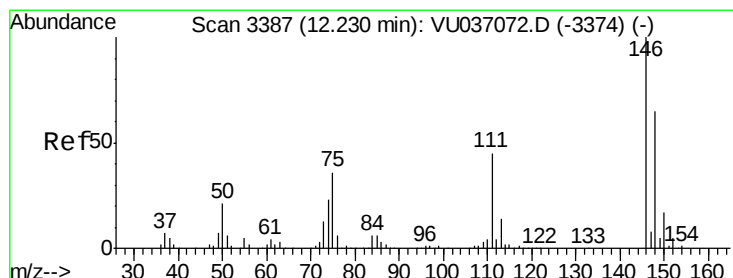
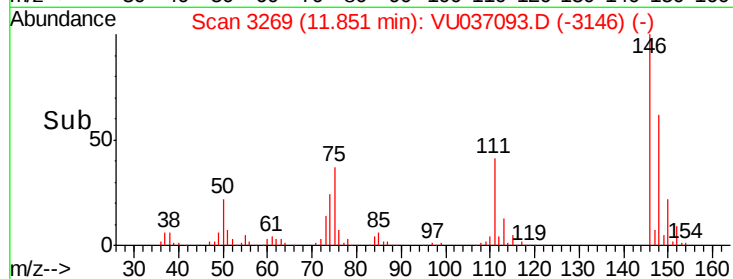
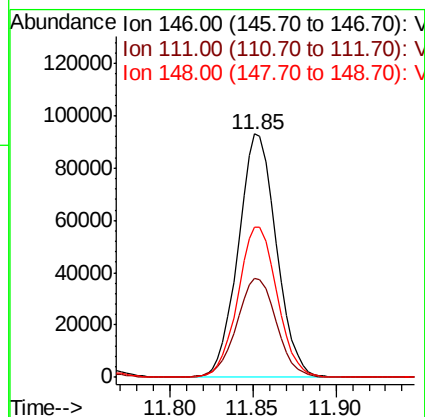
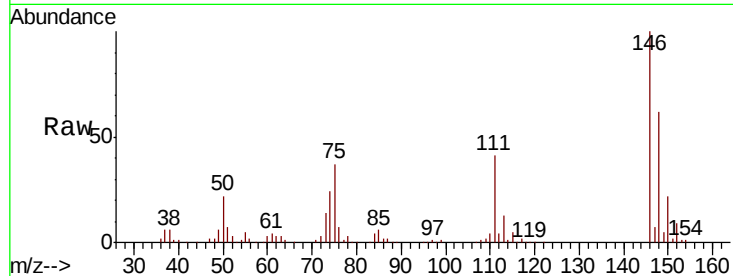




#63
 1,4-Dichlorobenzene
 Concen: 51.478 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: VU037093.D
 Acq: 05 Mar 2020 19:12

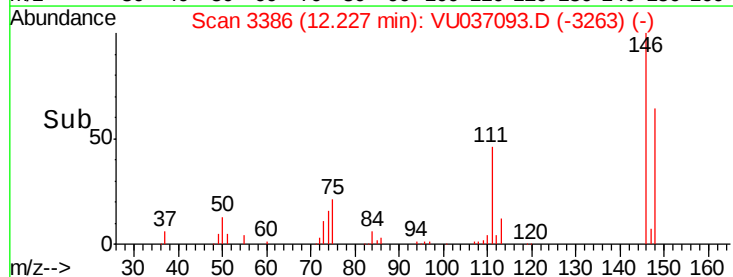
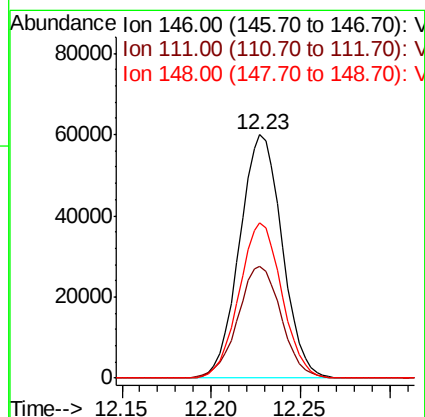
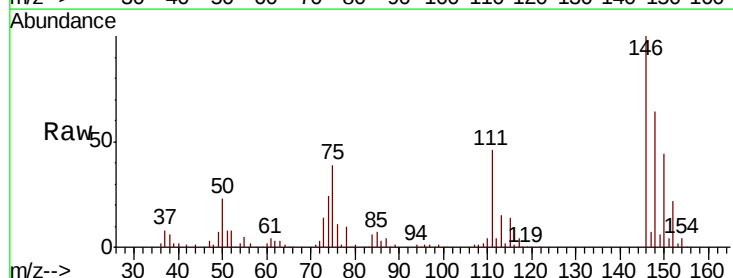
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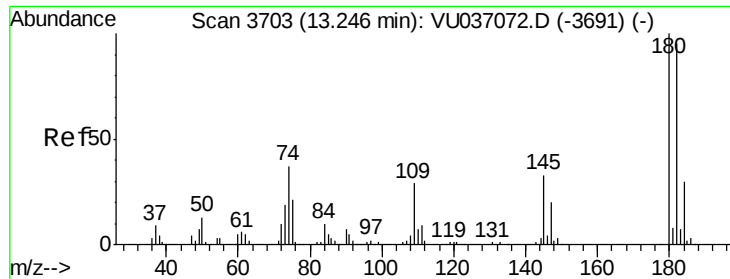
Tot Ion:146 Resp: 148900
 Ion Ratio Lower Upper
 146 100
 111 40.9 29.8 55.4
 148 61.9 45.1 83.9



#65
 1,2-Dichlorobenzene
 Concen: 34.049 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU037093.D
 Acq: 05 Mar 2020 19:12

Tgt Ion:146 Resp: 99532
 Ion Ratio Lower Upper
 146 100
 111 46.0 35.4 53.0
 148 63.8 50.5 75.7

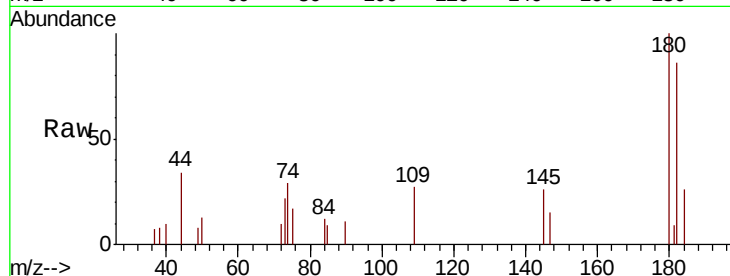




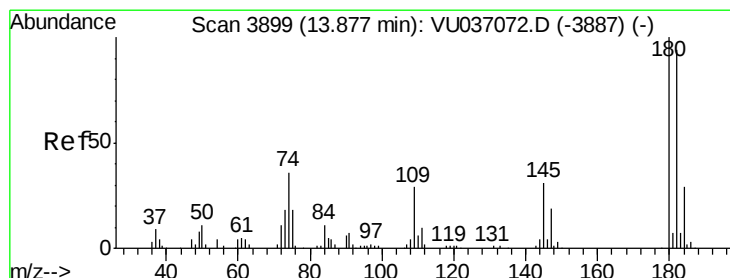
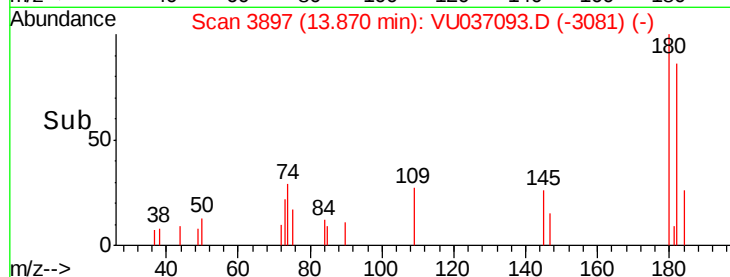
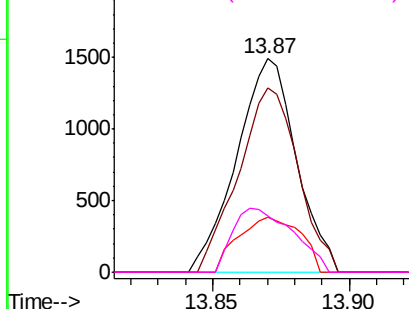
#67
 1,3,5-Trichlorobenzene
 Concen: 1.213 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. 0.62 min
 Lab File: VU037093.D
 Acq: 05 Mar 2020 19:12

Instrument :
 MSVOA_U
 ClientSampleId :
 C0DH1DL

Tot Ion:180 Resp: 2255
 Ion Ratio Lower Upper
 180 100
 182 86.3 76.9 115.3
 184 26.9 24.2 36.2
 145 30.5 25.3 37.9

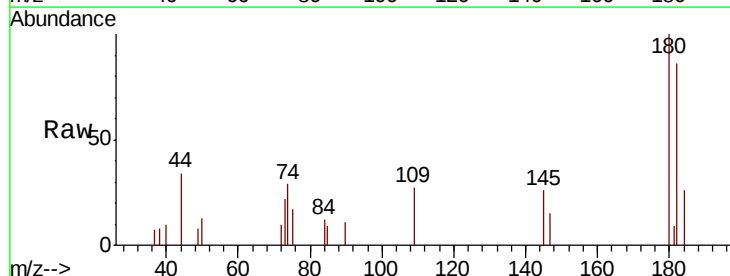


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 1.620 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. -0.01 min
 Lab File: VU037093.D
 Acq: 05 Mar 2020 19:12

Tgt Ion:180 Resp: 2255
 Ion Ratio Lower Upper
 180 100
 182 86.3 75.3 112.9
 145 30.5 26.2 39.4



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

