

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030520\
 Data File : VU037092.D
 Acq On : 05 Mar 2020 18:49
 Operator : JC/MD
 Sample : L1780-09DL 500X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0DG5DL

Quant Time: Mar 05 22:40:09 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	249575	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	237612	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	85886	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	74583	35.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.18%
7) Chloroethane-d5	1.93	69	77866	44.90	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.80%
11) 1,1-Dichloroethene-d2	2.59	63	104919	29.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.78%#
21) 2-Butanone-d5	4.67	46	147892	105.20	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.20%
24) Chloroform-d	5.11	84	149890	46.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.66%
26) 1,2-Dichloroethane-d4	5.74	65	107105	49.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.90%
32) Benzene-d6	5.76	84	322175	46.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.78%
36) 1,2-Dichloropropane-d6	6.72	67	109195	49.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.10%
41) Toluene-d8	7.92	98	285828	44.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.68%
43) trans-1,3-Dichloropropene-	8.20	79	43692	42.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.46%
47) 2-Hexanone-d5	8.66	63	97939	89.98	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.98%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	154693	49.29	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.58%
64) 1,2-Dichlorobenzene-d4	12.21	152	86663	51.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.24%

Target Compounds

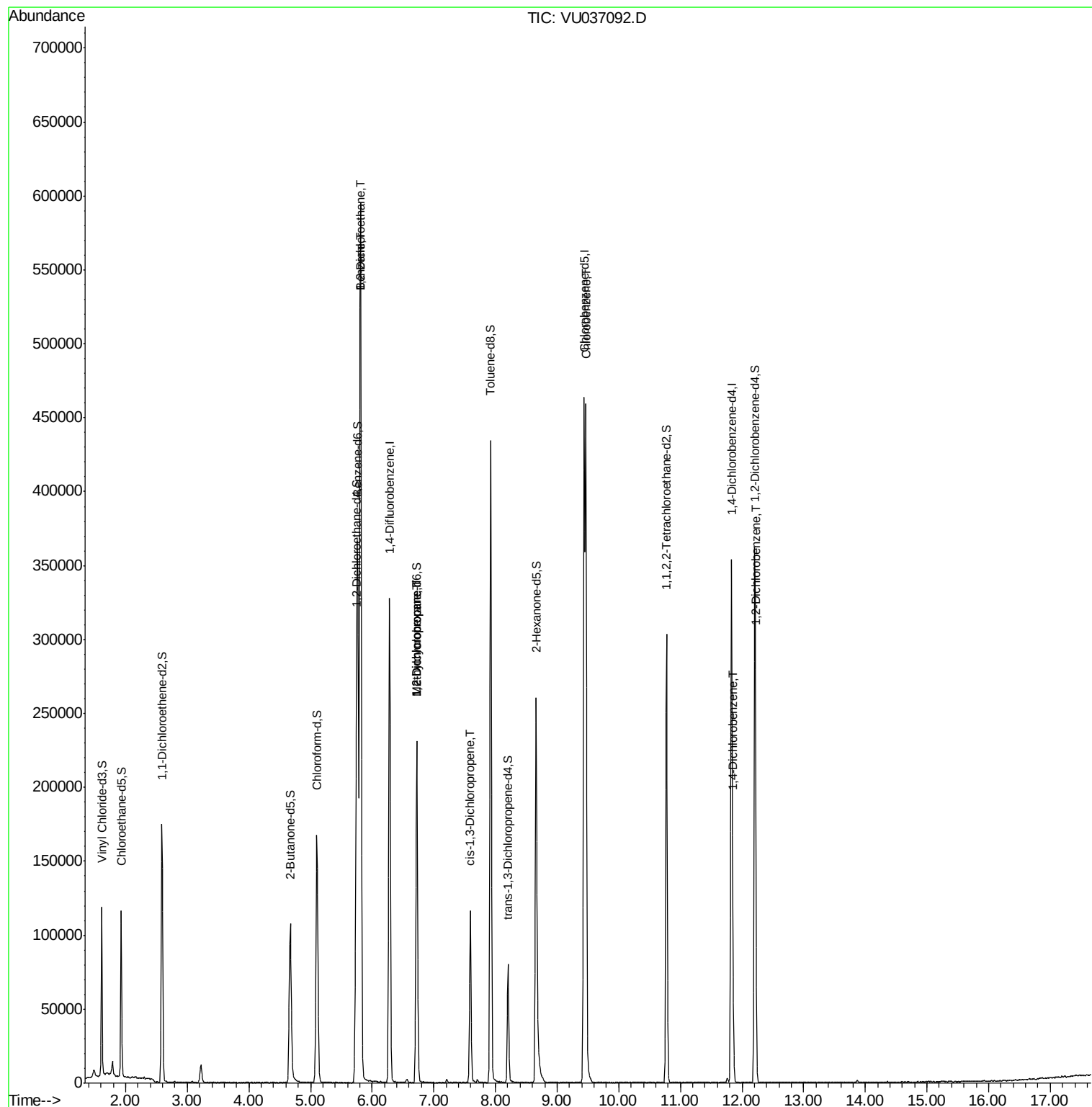
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
27) 1,2-Dichloroethane	5.81	62	5243	1.984	ug/L #	75
33) Benzene	5.81	78	544969	72.599	ug/L	100
35) Methylcyclohexane	6.72	83	23084	7.216	ug/L #	19
37) 1,2-Dichloropropane	6.73	63	11686	5.782	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	2699	0.867	ug/L #	52
51) Chlorobenzene	9.47	112	222348	46.923	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	22728	8.257	ug/L	97
65) 1,2-Dichlorobenzene	12.23	146	13744	4.941	ug/L	94

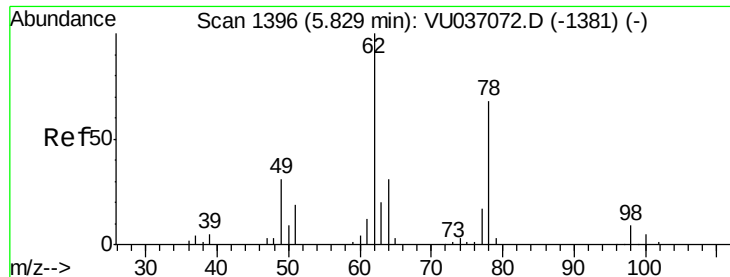
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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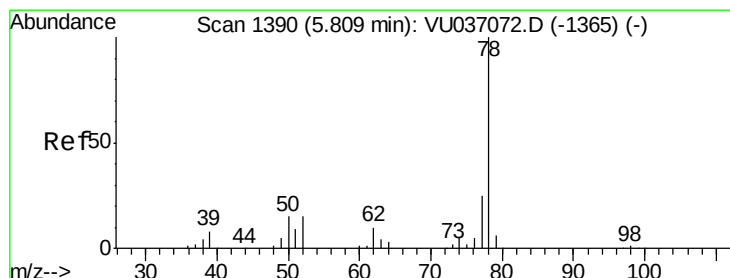
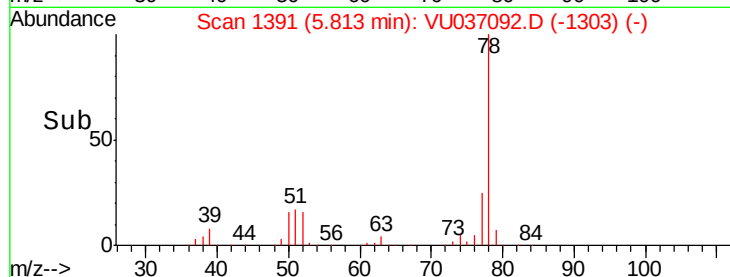
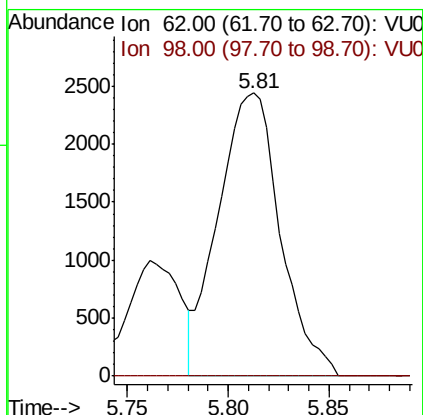
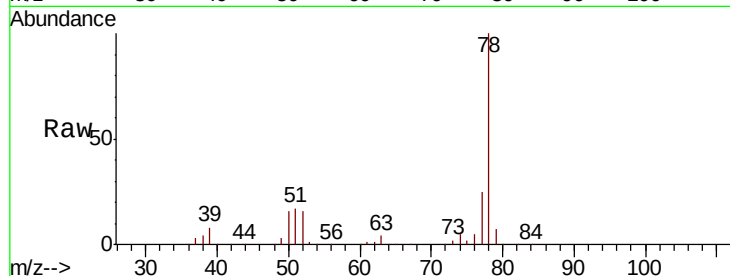




#27
 1,2-Dichloroethane
 Concen: 1.984 ug/L
 RT: 5.81 min Scan# 1391
 Delta R.T. -0.02 min
 Lab File: VU037092.D
 Acq: 05 Mar 2020 18:49

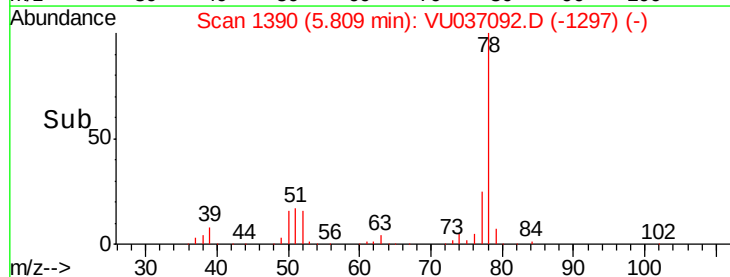
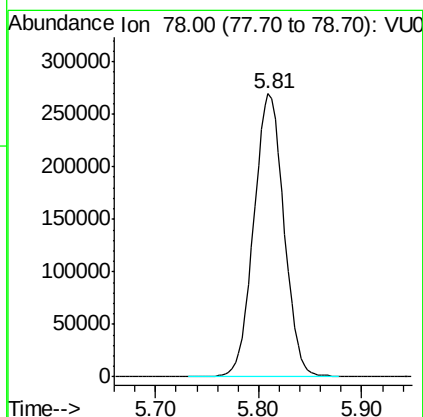
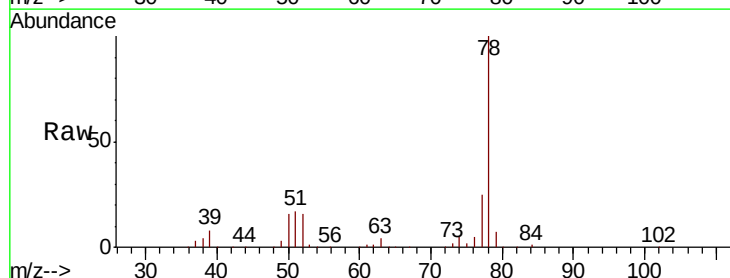
Instrument :
 MSVOA_U
 ClientSampled :
 C0DG5DL

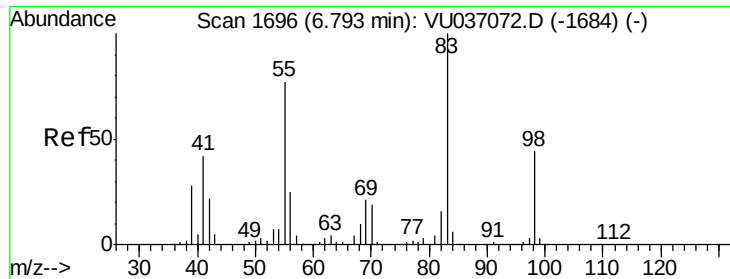
Tot Ion: 62 Resp: 5243
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.1 10.7#



#33
 Benzene
 Concen: 72.599 ug/L
 RT: 5.81 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VU037092.D
 Acq: 05 Mar 2020 18:49

Tgt Ion: 78 Resp: 544969

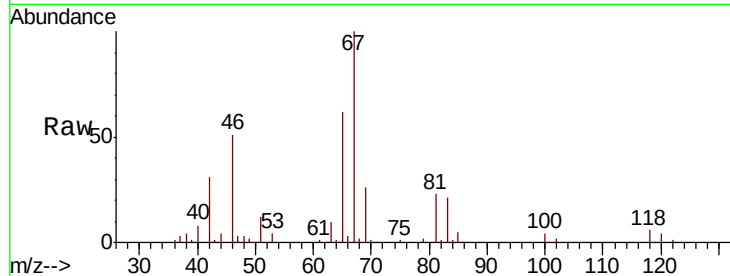




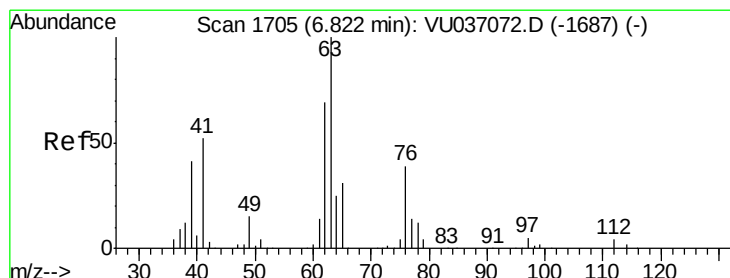
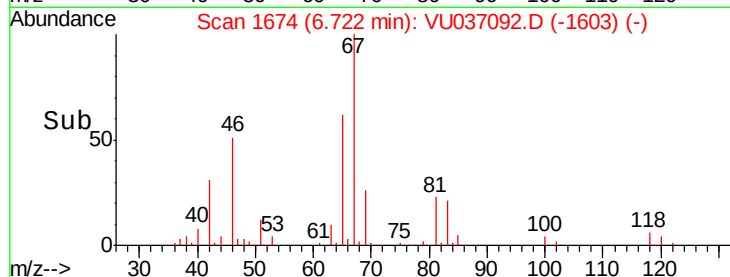
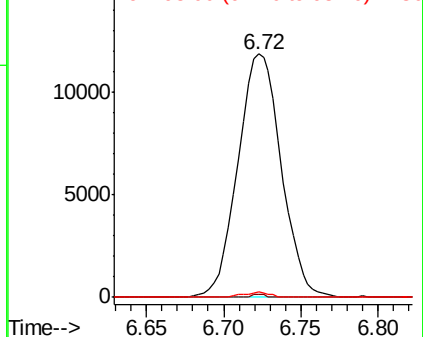
#35
Methylvlcyclohexane
Concen: 7.216 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU037092.D
Acq: 05 Mar 2020 18:49

Instrument :
MSVOA_U
ClientSampleId :
C0DG5DL

Tot Ion: 83 Resp: 23084
Ion Ratio Lower Upper
83 100
55 0.3 62.6 93.8#
98 1.0 35.1 52.7#

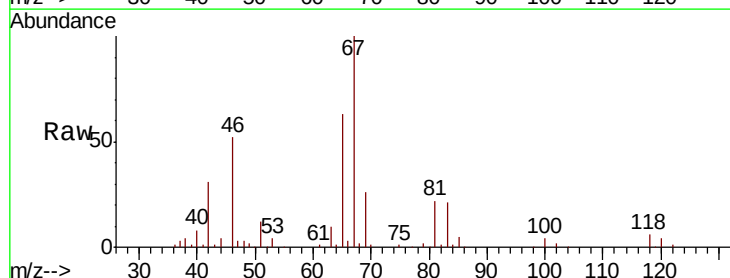


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

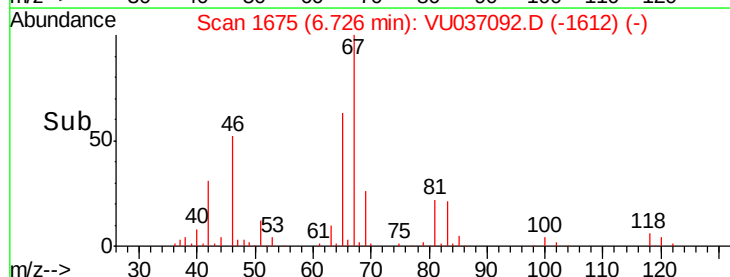
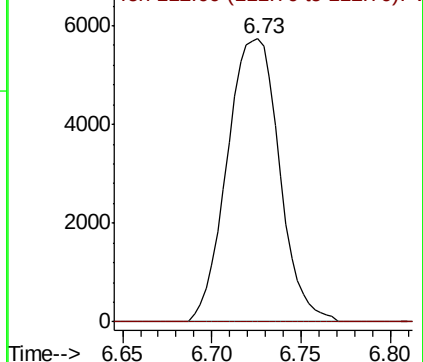


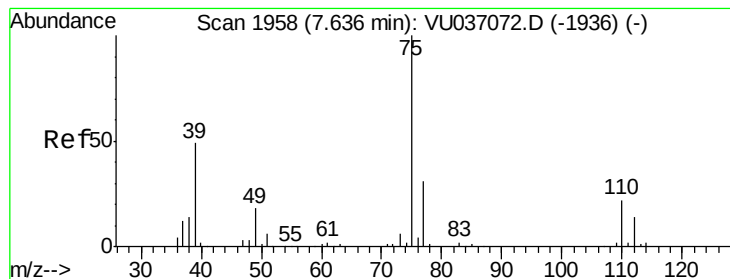
#37
1,2-Dichloropropane
Concen: 5.782 ug/L
RT: 6.73 min Scan# 1675
Delta R.T. -0.10 min
Lab File: VU037092.D
Acq: 05 Mar 2020 18:49

Tgt Ion: 63 Resp: 11686
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V



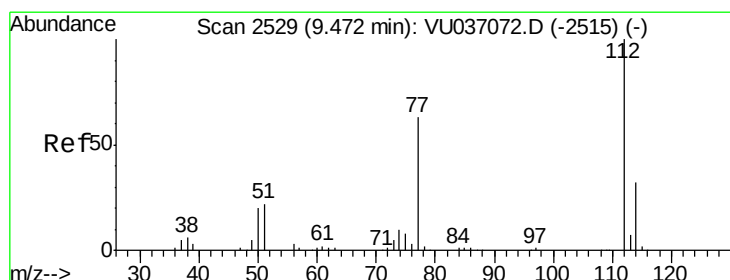
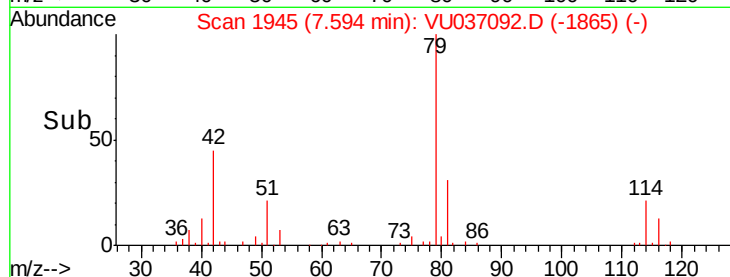
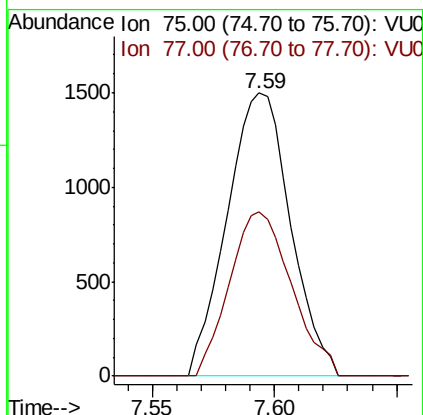
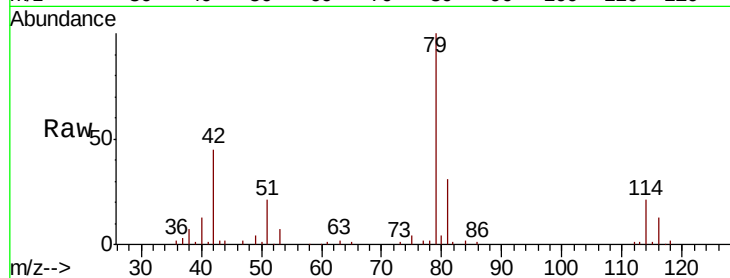


#39

cis-1,3-Dichloropropene
 Concen: 0.867 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: VU037092.D
 Acq: 05 Mar 2020 18:49

Instrument :
 MSVOA_U
 ClientSampleId :
 C0DG5DL

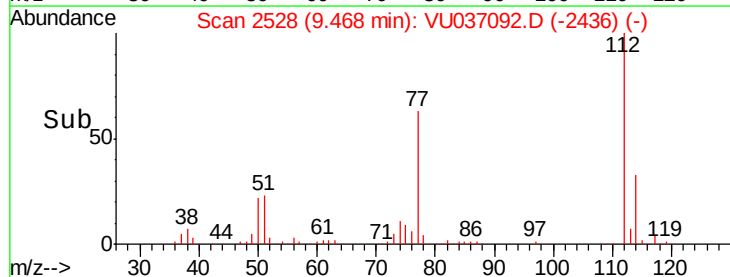
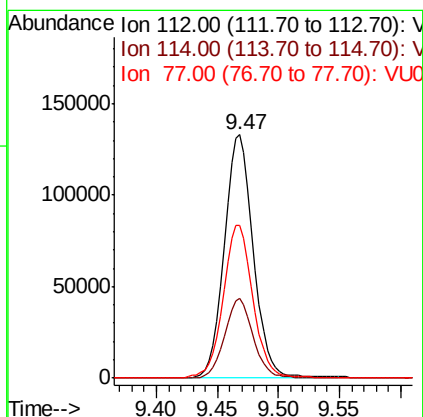
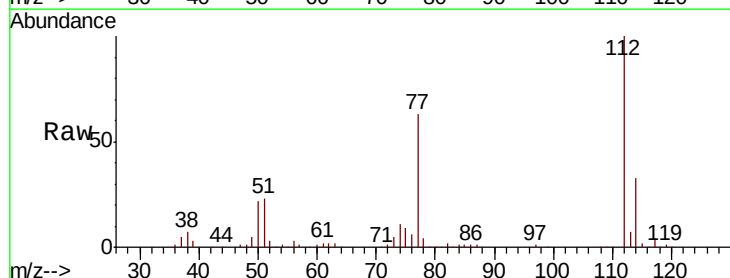
Tot Ion: 75 Resp: 2699
 Ion Ratio Lower Upper
 75 100
 77 58.0 22.0 41.0#

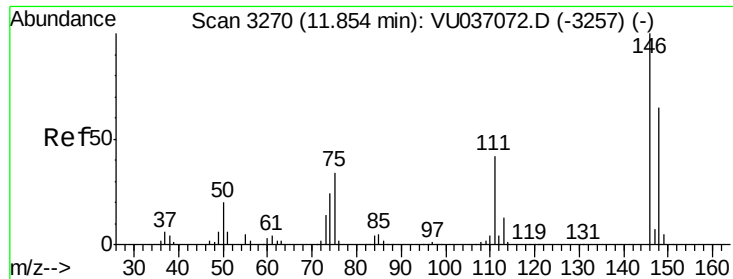


#51

Chlorobenzene
 Concen: 46.923 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. -0.00 min
 Lab File: VU037092.D
 Acq: 05 Mar 2020 18:49

Tgt Ion: 112 Resp: 222348
 Ion Ratio Lower Upper
 112 100
 114 32.6 22.3 41.5
 77 62.6 50.1 75.1

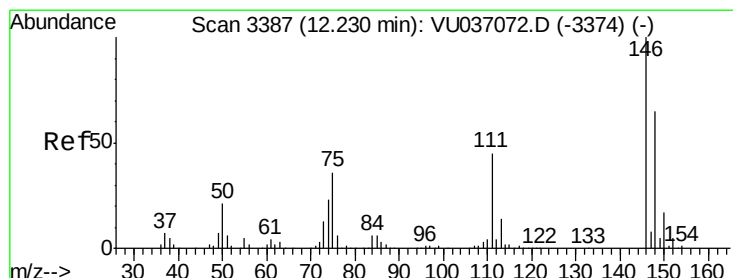
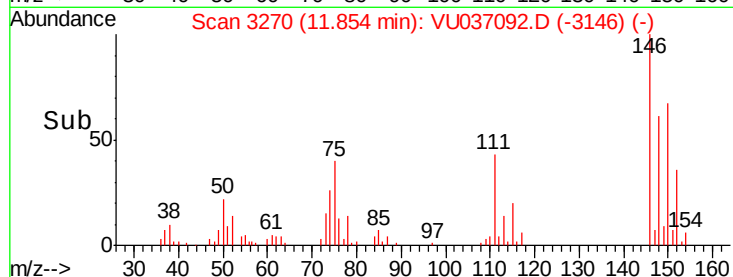
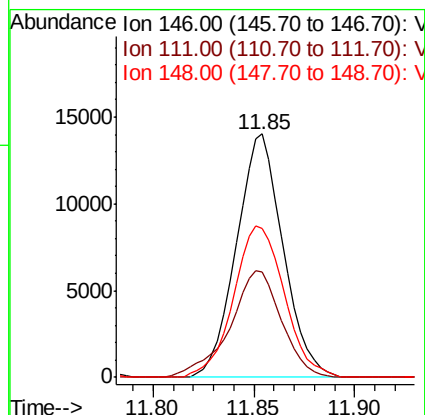
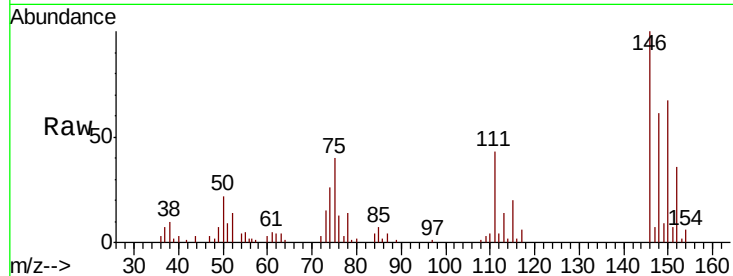




#63
 1,4-Dichlorobenzene
 Concen: 8.257 ug/L
 RT: 11.85 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU037092.D
 Acq: 05 Mar 2020 18:49

Instrument :
 MSVOA_U
 ClientSampleId :
 C0DG5DL

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	29.8	55.4
148	61.1	45.1	83.9



#65
 1,2-Dichlorobenzene
 Concen: 4.941 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU037092.D
 Acq: 05 Mar 2020 18:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.2	35.4	53.0
148	67.4	50.5	75.7

