

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030520\
 Data File : VU037091.D
 Acq On : 05 Mar 2020 18:26
 Operator : JC/MD
 Sample : L1780-05DL 400X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0DF9DL

Quant Time: Mar 05 22:40:01 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	256821	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	243085	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	92188	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	76914	35.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.32%
7) Chloroethane-d5	1.93	69	80260	44.98	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.96%
11) 1,1-Dichloroethene-d2	2.59	63	108371	30.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.02%
21) 2-Butanone-d5	4.67	46	151578	104.78	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.78%
24) Chloroform-d	5.11	84	157941	47.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.92%
26) 1,2-Dichloroethane-d4	5.74	65	110242	49.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.92%
32) Benzene-d6	5.76	84	334656	47.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.22%
36) 1,2-Dichloropropane-d6	6.72	67	112191	49.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.52%
41) Toluene-d8	7.93	98	289096	44.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.66%
43) trans-1,3-Dichloropropene-	8.20	79	45587	43.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.14%
47) 2-Hexanone-d5	8.66	63	101923	91.53	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.53%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	158593	49.39	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.78%
64) 1,2-Dichlorobenzene-d4	12.21	152	92538	51.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.70%

Target Compounds

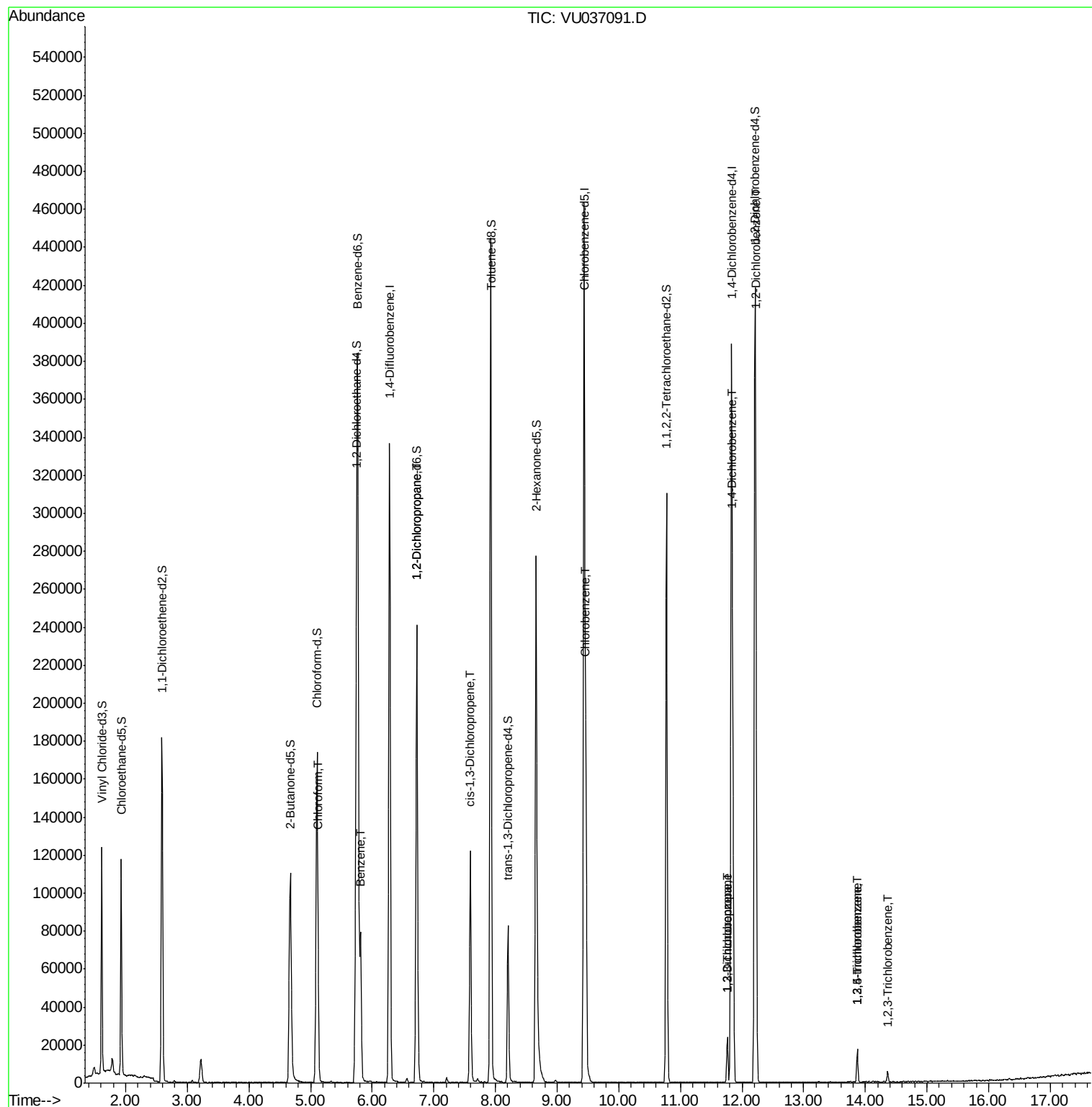
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
25) Chloroform	5.13	83	3520	1.054	ug/L	98
33) Benzene	5.81	78	71246	9.278	ug/L	100
37) 1,2-Dichloropropane	6.72	63	12897	6.237	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	2815	0.884	ug/L #	47
51) Chlorobenzene	9.47	112	82517	17.022	ug/L	99
59) 1,2,3-Trichloropropane	11.76	75	3161	1.188	ug/L #	42
62) 1,3-Dichlorobenzene	11.76	146	9946	3.326	ug/L	96
63) 1,4-Dichlorobenzene	11.85	146	58615	19.838	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	66432	22.248	ug/L	97
67) 1,3,5-Trichlorobenzene	13.87	180	4943	2.604	ug/L	96
68) 1,2,4-trichlorobenzene	13.87	180	4943	3.476	ug/L	94
70) 1,2,3-Trichlorobenzene	14.36	180	1696	1.193	ug/L	92

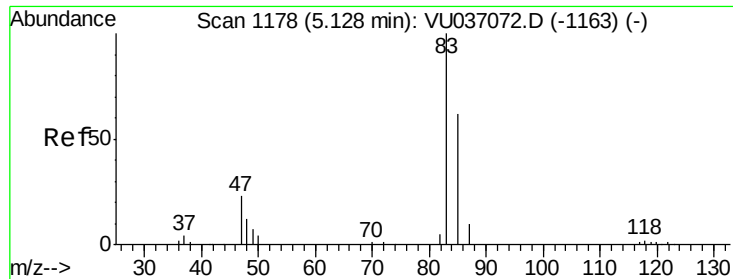
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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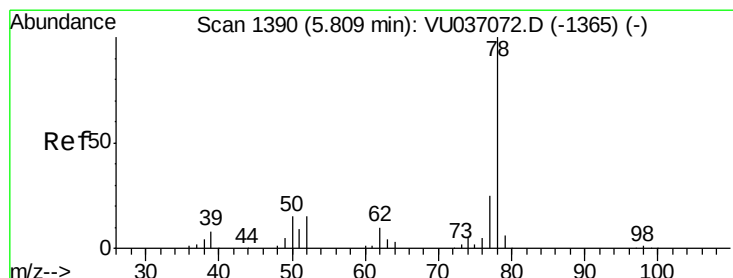
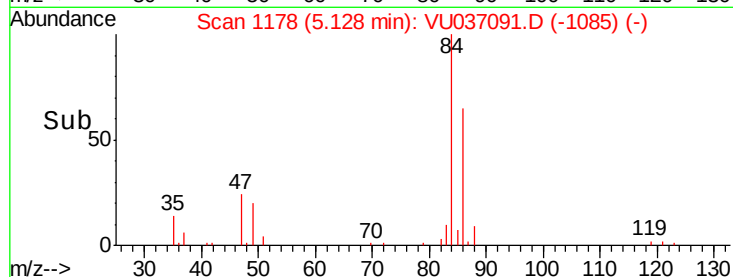
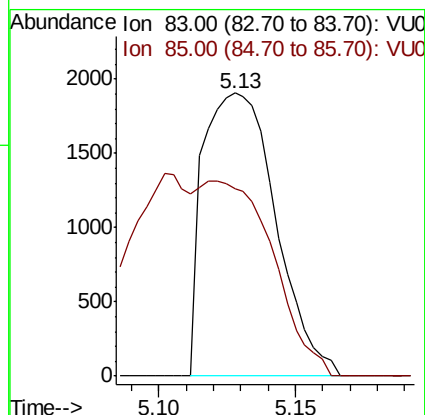
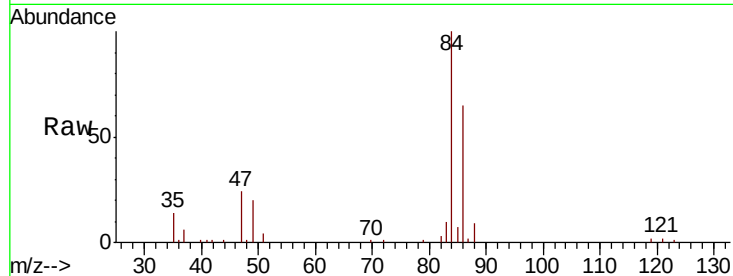




#25
Chloroform
Concen: 1.054 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037091.D
Acq: 05 Mar 2020 18:26

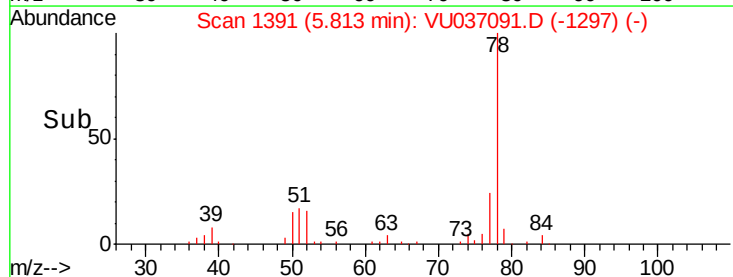
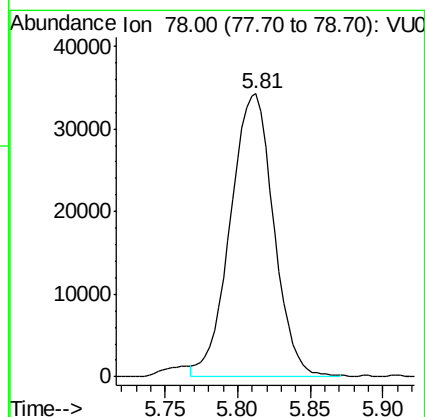
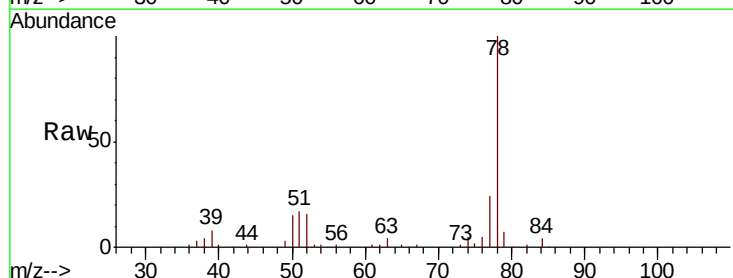
Instrument :
MSVOA_U
ClientSampleId :
C0DF9DL

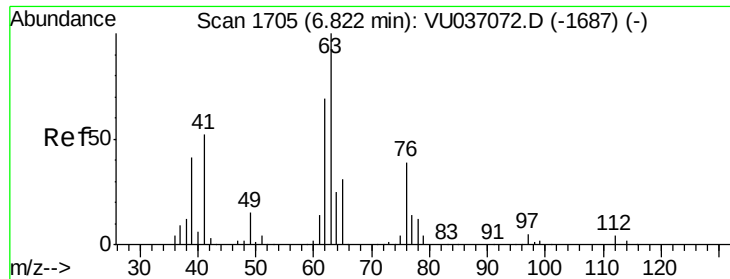
Tot Ion: 83 Resp: 3520
Ion Ratio Lower Upper
83 100
85 66.2 45.1 83.9



#33
Benzene
Concen: 9.278 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU037091.D
Acq: 05 Mar 2020 18:26

Tgt Ion: 78 Resp: 71246

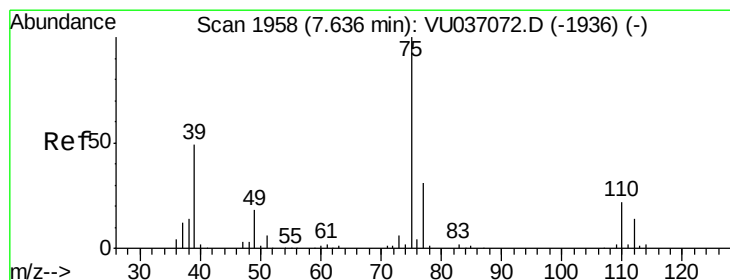
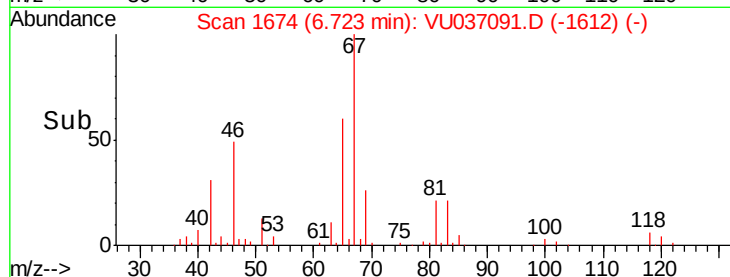
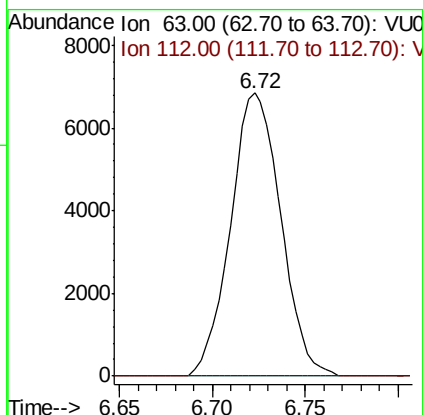
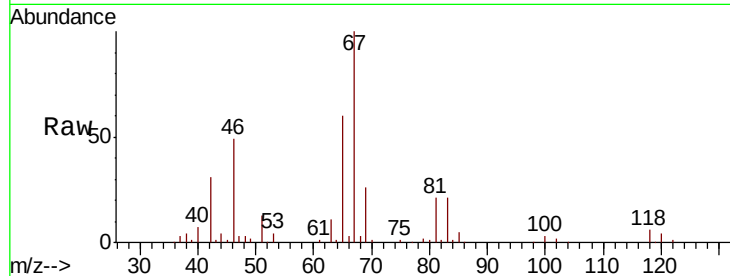




#37
 1,2-Dichloropropane
 Concen: 6.237 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU037091.D
 Acq: 05 Mar 2020 18:26

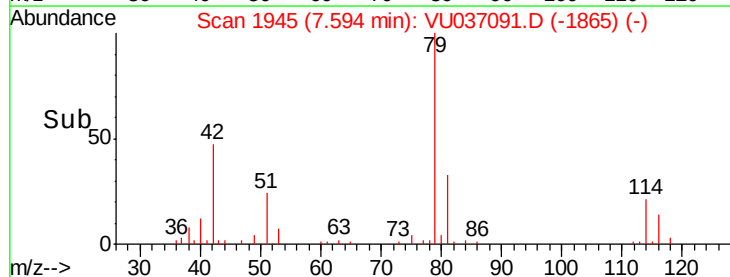
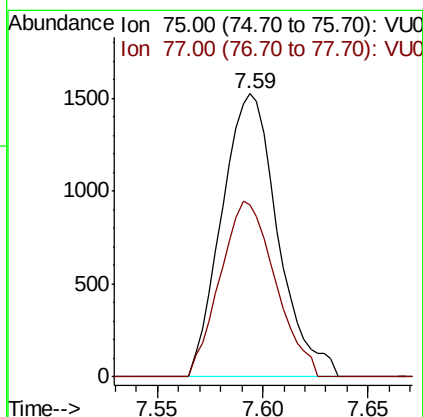
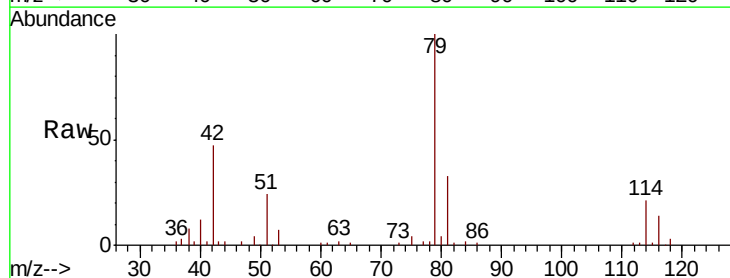
Instrument :
 MSVOA_U
 ClientSampleId :
 C0DF9DL

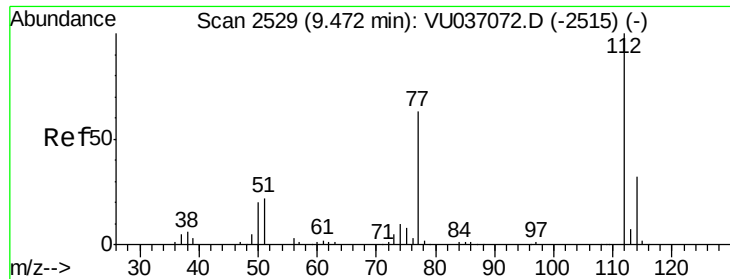
Tot Ion: 63 Resp: 12897
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.884 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: VU037091.D
 Acq: 05 Mar 2020 18:26

Tgt Ion: 75 Resp: 2815
 Ion Ratio Lower Upper
 75 100
 77 61.0 22.0 41.0#





#51

Chlorobenzene

Concen: 17.022 ug/L

RT: 9.47 min Scan# 2528

Delta R.T. -0.00 min

Lab File: VU037091.D

Acq: 05 Mar 2020 18:26

Instrument :

MSVOA_U

ClientSampleId :

C0DF9DL

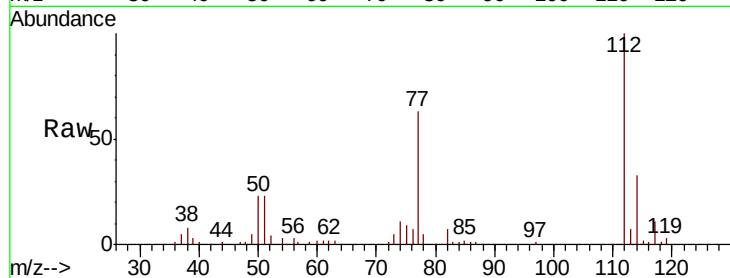
Tot Ion:112 Resp: 82517

Ion Ratio Lower Upper

112 100

114 33.0 22.3 41.5

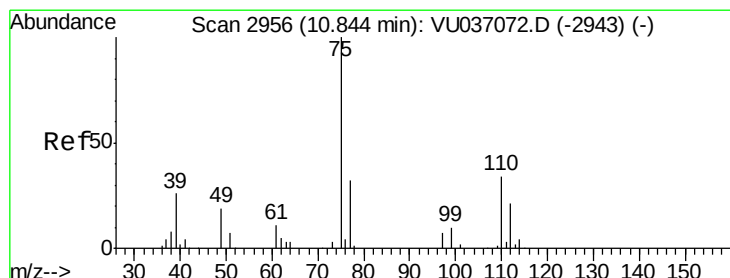
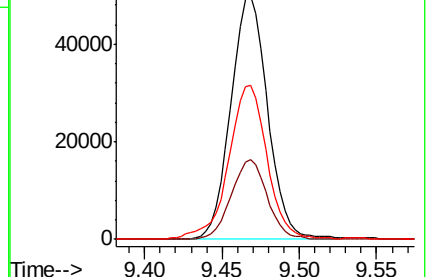
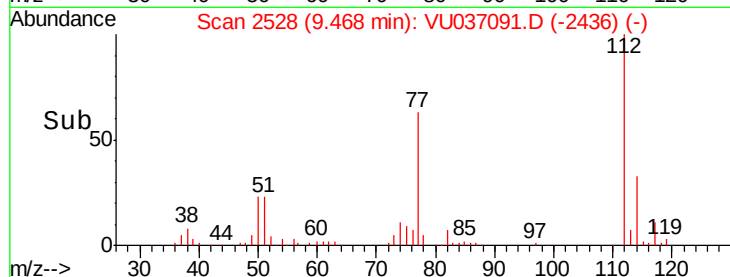
77 63.4 50.1 75.1



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): VU



#59

1,2,3-Trichloropropane

Concen: 1.188 ug/L

RT: 11.76 min Scan# 3242

Delta R.T. 0.92 min

Lab File: VU037091.D

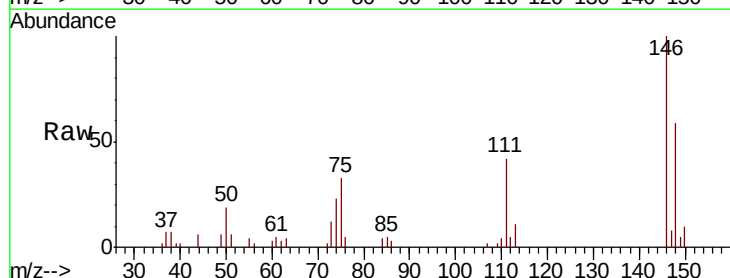
Acq: 05 Mar 2020 18:26

Tgt Ion: 75 Resp: 3161

Ion Ratio Lower Upper

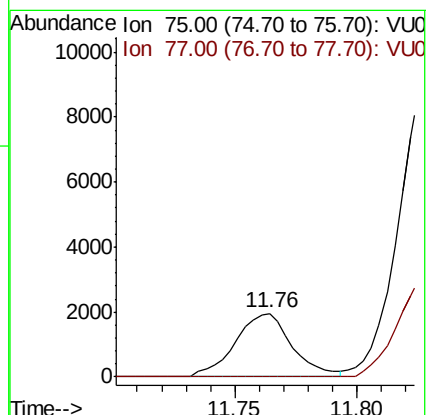
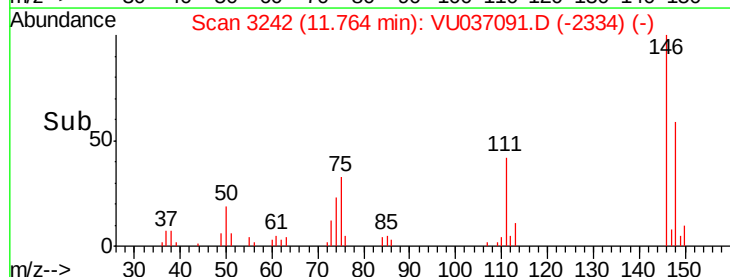
75 100

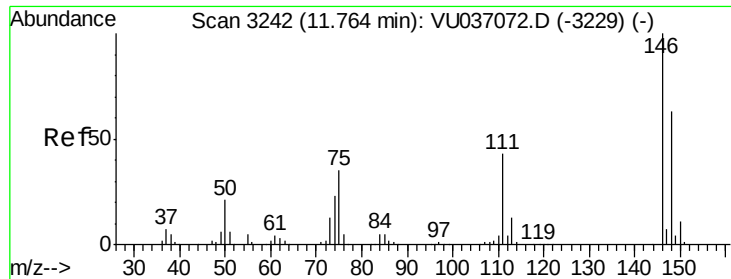
77 0.0 26.2 39.2#



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU

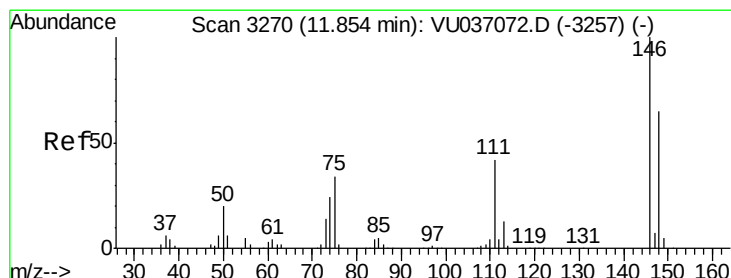
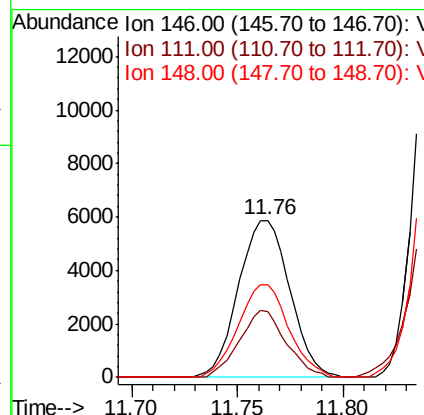
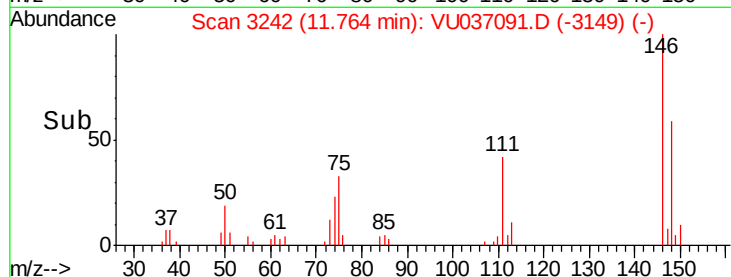
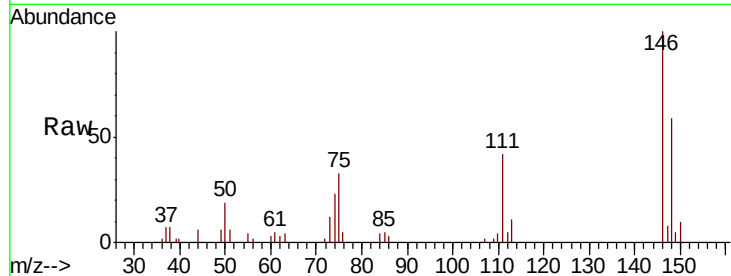




#62
 1,3-Dichlorobenzene
 Concen: 3.326 ug/L
 RT: 11.76 min Scan# 3242
 Delta R.T. 0.00 min
 Lab File: VU037091.D
 Acq: 05 Mar 2020 18:26

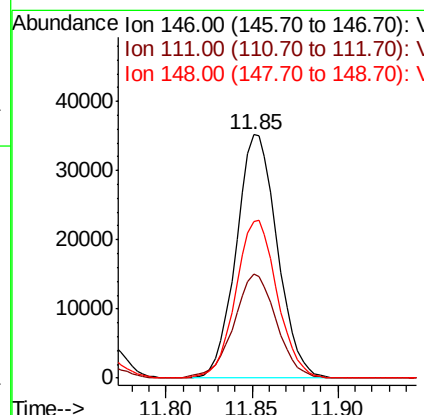
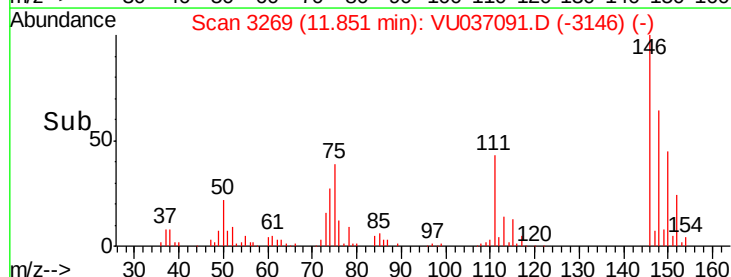
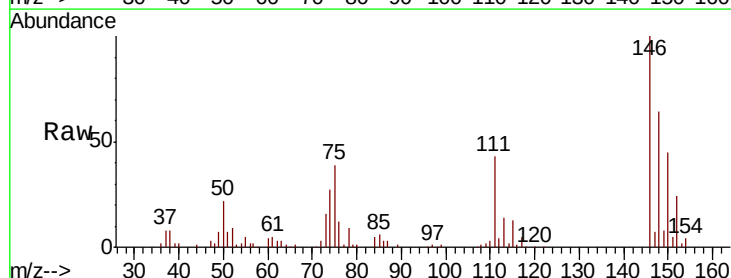
Instrument :
 MSVOA_U
 ClientSampleId :
 C0DF9DL

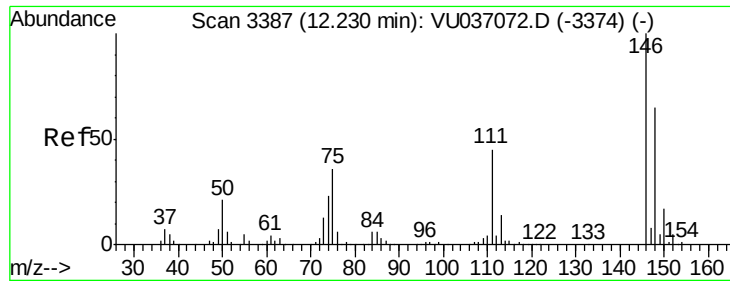
Tot Ion:146 Resp: 9946
 Ion Ratio Lower Upper
 146 100
 111 41.5 30.7 56.9
 148 59.4 44.2 82.2



#63
 1,4-Dichlorobenzene
 Concen: 19.838 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: VU037091.D
 Acq: 05 Mar 2020 18:26

Tgt Ion:146 Resp: 58615
 Ion Ratio Lower Upper
 146 100
 111 42.7 29.8 55.4
 148 64.4 45.1 83.9





#65

1,2-Dichlorobenzene

Concen: 22.248 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU037091.D

Acq: 05 Mar 2020 18:26

Instrument :

MSVOA_U

ClientSampled :

C0DF9DL

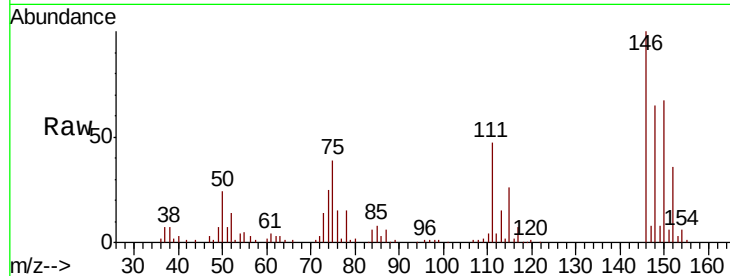
Tot Ion:146 Resp: 66432

Ion Ratio Lower Upper

146 100

111 47.0 35.4 53.0

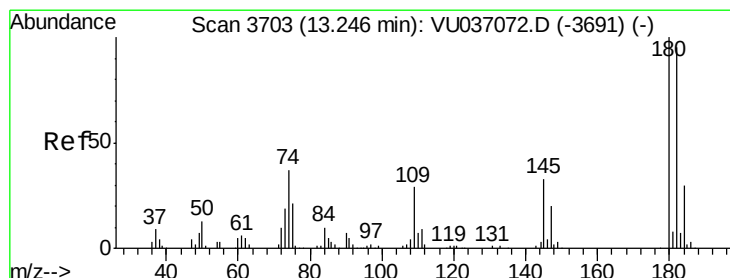
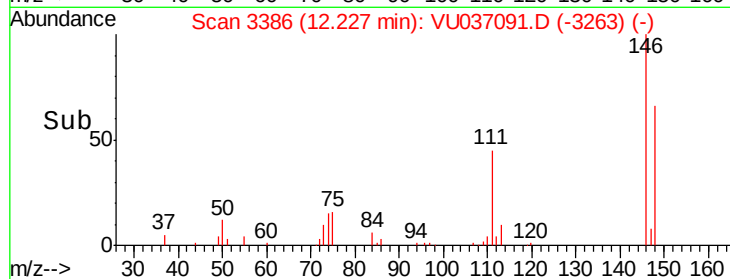
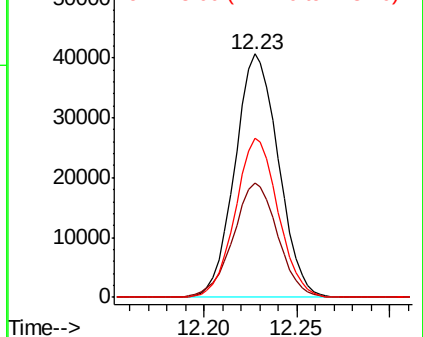
148 65.2 50.5 75.7



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



#67

1,3,5-Trichlorobenzene

Concen: 2.604 ug/L

RT: 13.87 min Scan# 3897

Delta R.T. 0.62 min

Lab File: VU037091.D

Acq: 05 Mar 2020 18:26

Tgt Ion:180 Resp: 4943

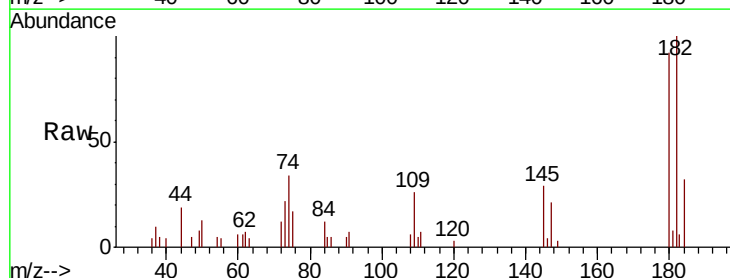
Ion Ratio Lower Upper

180 100

182 100.5 76.9 115.3

184 29.7 24.2 36.2

145 29.8 25.3 37.9

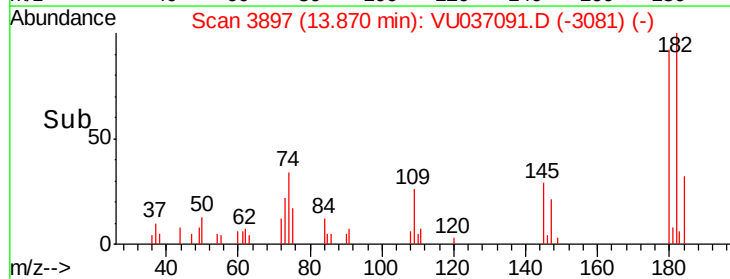
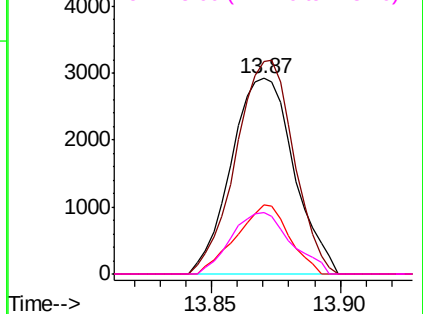


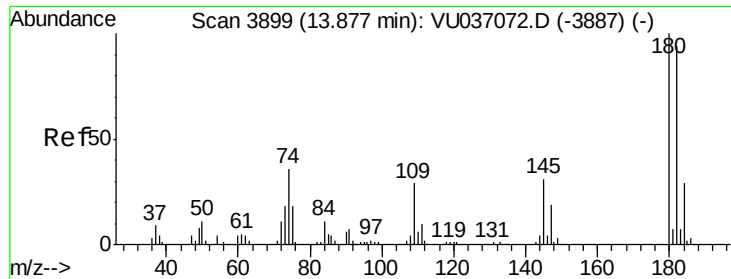
Abundance Ion 180.00 (179.70 to 180.70): V

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

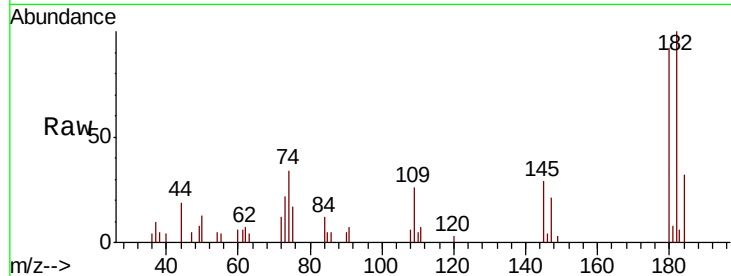




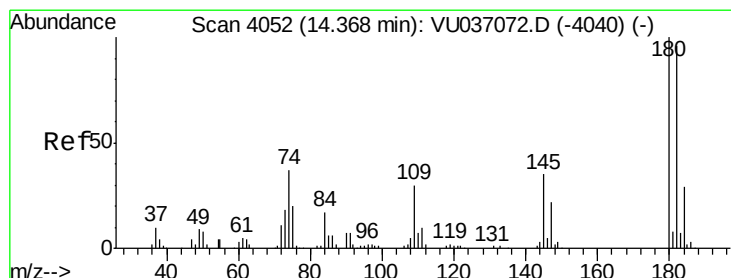
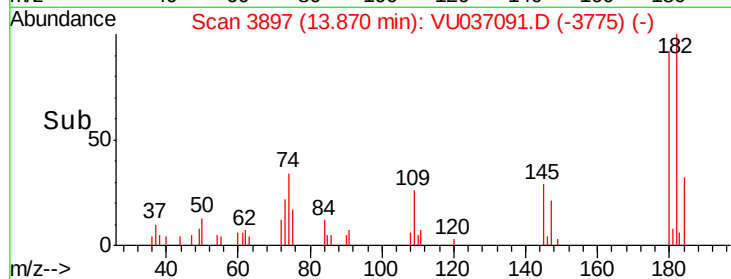
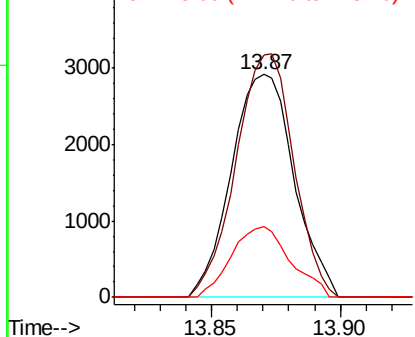
#68
 1,2,4-trichlorobenzene
 Concen: 3.476 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. -0.01 min
 Lab File: VU037091.D
 Acq: 05 Mar 2020 18:26

Instrument :
 MSVOA_U
 ClientSampleId :
 C0DF9DL

Tot Ion:180 Resp: 4943
 Ion Ratio Lower Upper
 180 100
 182 100.5 75.3 112.9
 145 29.8 26.2 39.4

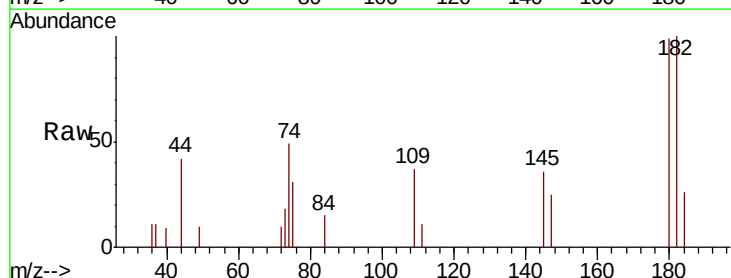


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 1.193 ug/L
 RT: 14.36 min Scan# 4049
 Delta R.T. -0.01 min
 Lab File: VU037091.D
 Acq: 05 Mar 2020 18:26

Tgt Ion:180 Resp: 1696
 Ion Ratio Lower Upper
 180 100
 182 105.1 77.0 115.6
 145 33.0 28.1 42.1



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

