

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030220\
 Data File : VU036996.D
 Acq On : 02 Mar 2020 14:10
 Operator : JC/MD
 Sample : L1732-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 03 03:24:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 03 03:21:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	271583	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	260934	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	105686	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	89579	39.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.56%
7) Chloroethane-d5	1.93	69	84636	44.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.70%
11) 1,1-Dichloroethene-d2	2.59	63	120527	31.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.12%
21) 2-Butanone-d5	4.67	46	166468	108.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.81%
24) Chloroform-d	5.10	84	171378	49.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.42%
26) 1,2-Dichloroethane-d4	5.74	65	117474	49.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.68%
32) Benzene-d6	5.76	84	365997	48.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.00%
36) 1,2-Dichloropropane-d6	6.72	67	123422	50.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.98%
41) Toluene-d8	7.92	98	329952	47.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.26%
43) trans-1,3-Dichloropropene-	8.20	79	52975	46.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.26%
47) 2-Hexanone-d5	8.66	63	128040	107.12	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.12%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	177023	51.36	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.72%
64) 1,2-Dichlorobenzene-d4	12.21	152	111086	53.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.54%

Target Compounds

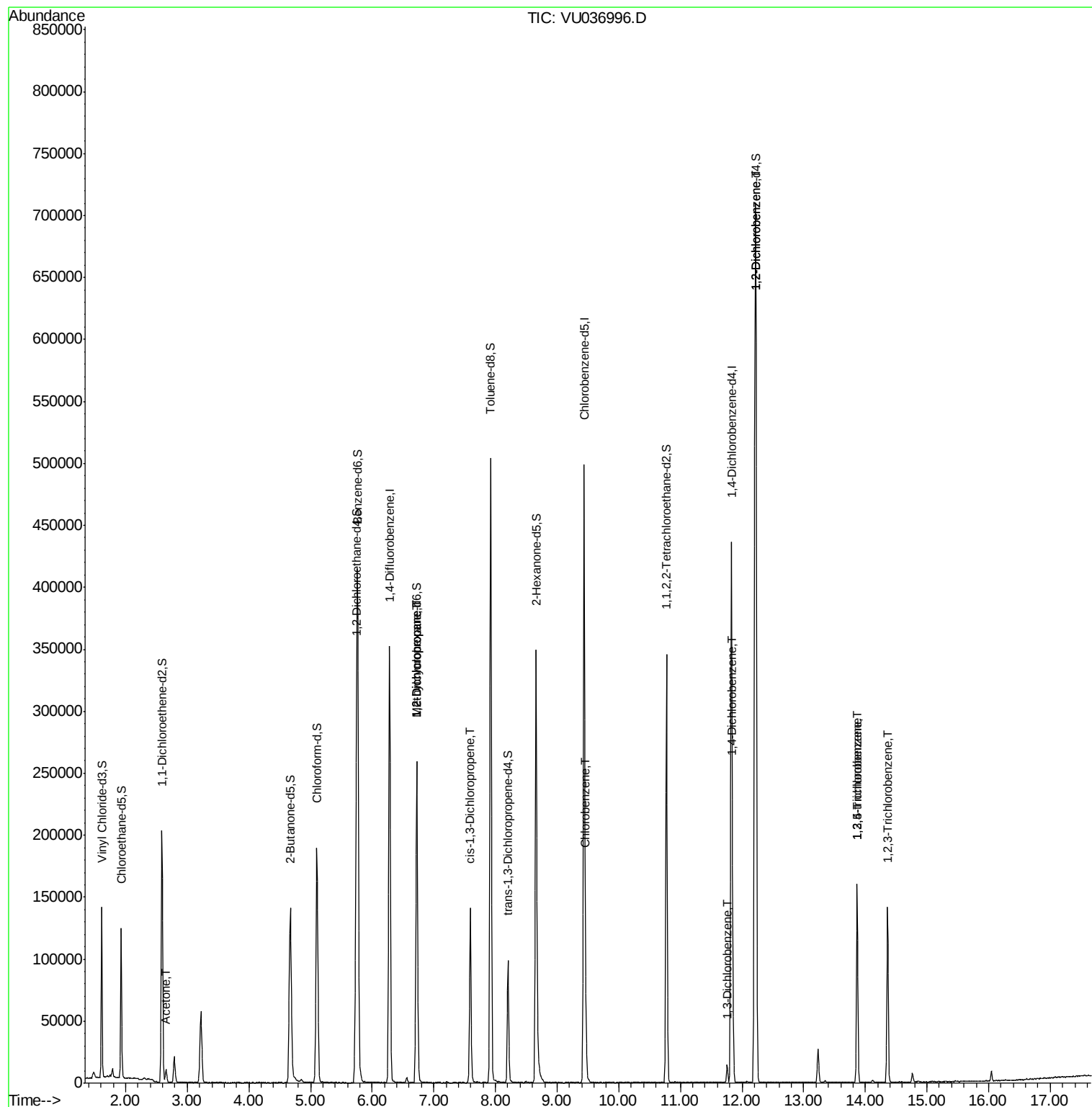
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.66	43	11446	7.274	ug/L	99
35) Methylcyclohexane	6.72	83	26442	7.527	ug/L #	19
37) 1,2-Dichloropropane	6.72	63	12708	5.725	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	3350	0.980	ug/L #	52
51) Chlorobenzene	9.47	112	24353	4.680	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	5578	1.627	ug/L	95
63) 1,4-Dichlorobenzene	11.85	146	25525	7.536	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	218158	63.729	ug/L	98
67) 1,3,5-Trichlorobenzene	13.87	180	44095	20.263	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	44095	27.045	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	38461	23.606	ug/L	99

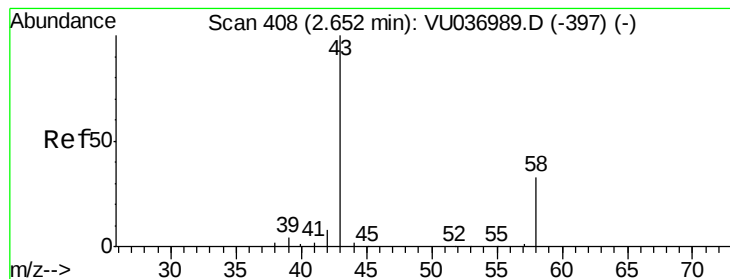
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Mar 03 03:21:45 2020
Response via : Initial Calibration





#13

Acetone

Concen: 7.274 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU036996.D

Acq: 02 Mar 2020 14:10

Instrument :

MSVOA_U

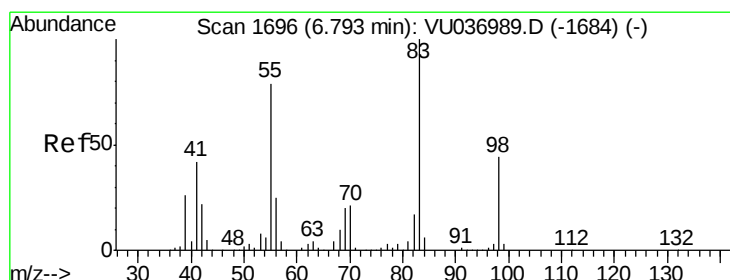
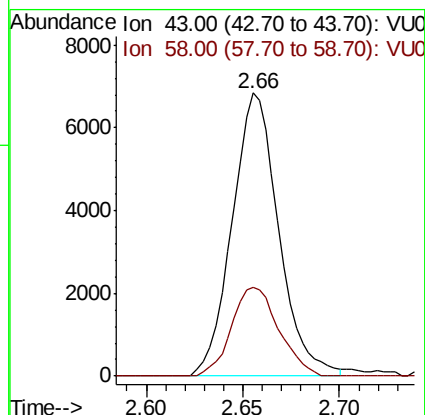
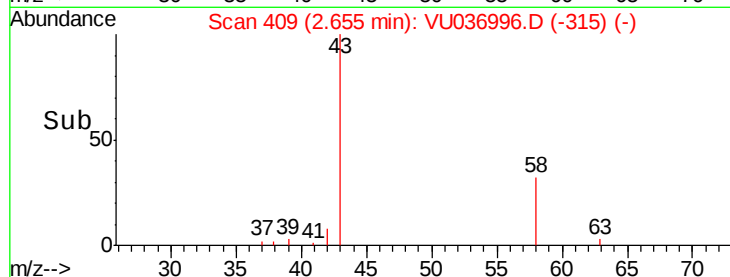
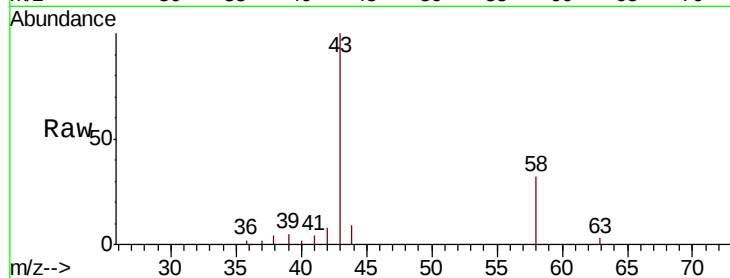
ClientSampleId :

Tot Ion: 43 Resp: 11446

Ion Ratio Lower Upper

43 100

58 31.9 0.0 64.6



#35

Methylcyclohexane

Concen: 7.527 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.07 min

Lab File: VU036996.D

Acq: 02 Mar 2020 14:10

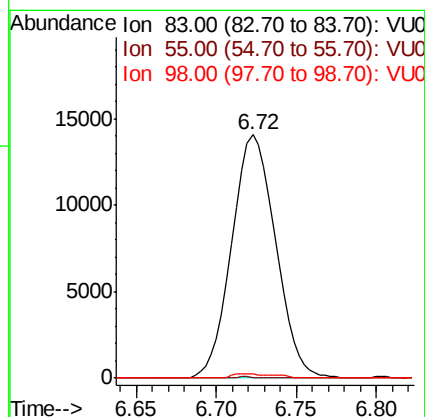
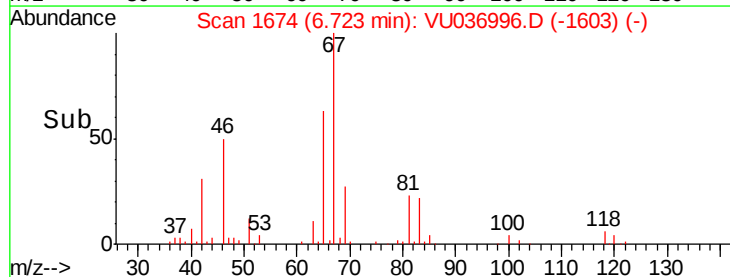
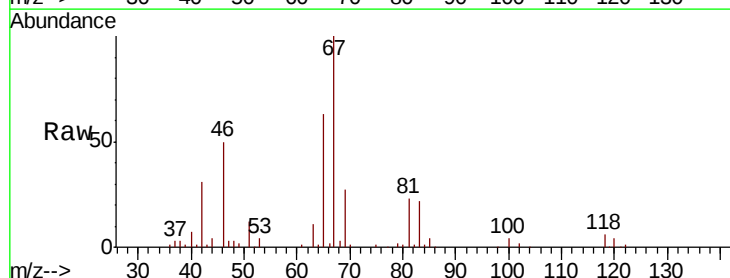
Tgt Ion: 83 Resp: 26442

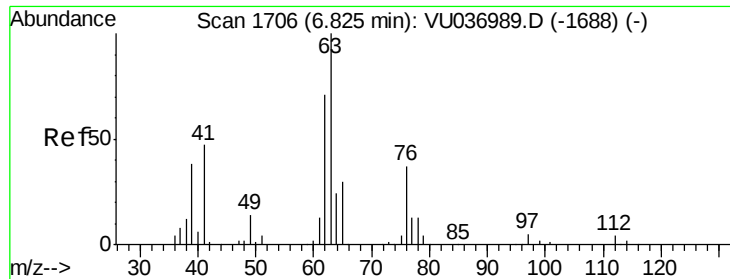
Ion Ratio Lower Upper

83 100

55 0.2 62.6 93.8#

98 1.3 35.1 52.7#

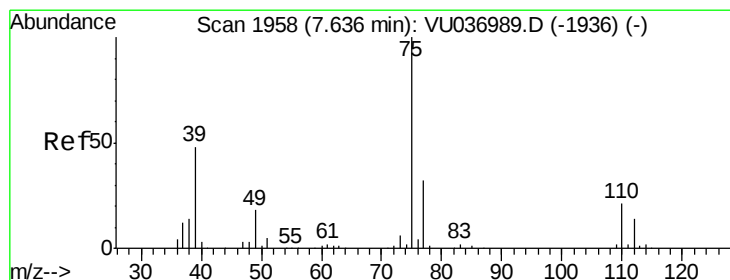
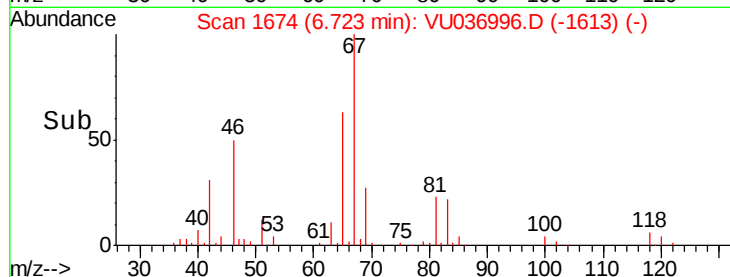
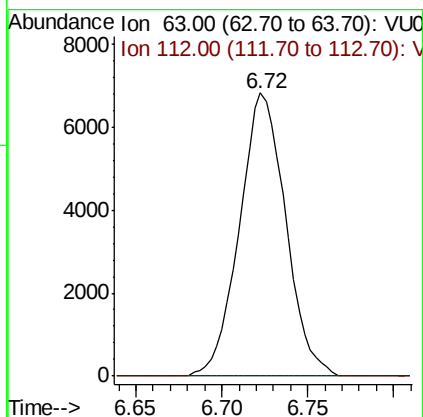
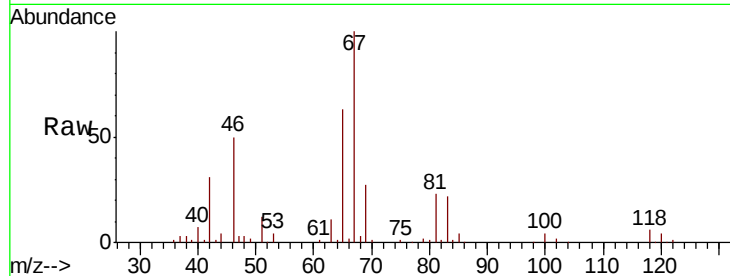




#37
 1,2-Dichloropropane
 Concen: 5.725 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU036996.D
 Acq: 02 Mar 2020 14:10

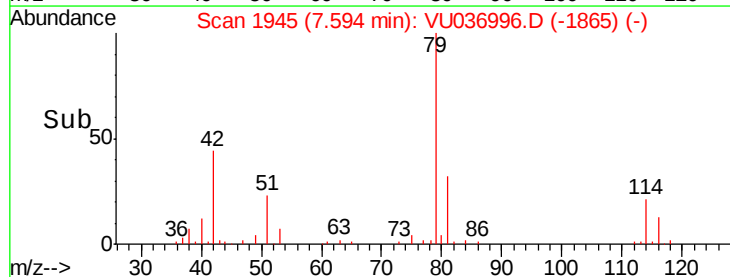
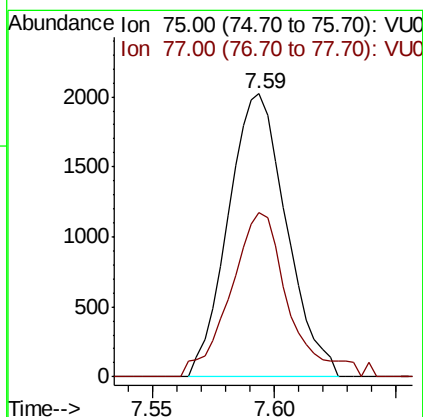
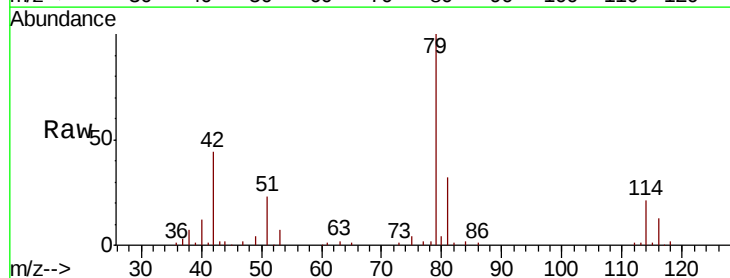
Instrument :
 MSVOA_U
 ClientSampleId :

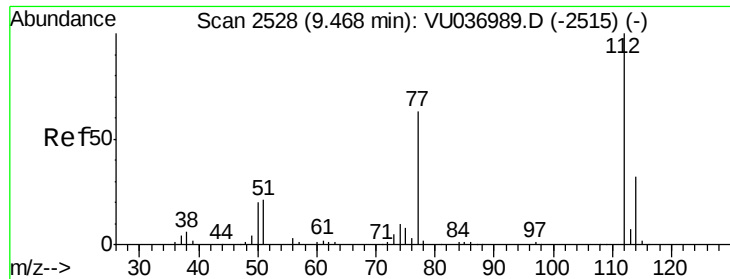
Tot Ion: 63 Resp: 12708
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.980 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: VU036996.D
 Acq: 02 Mar 2020 14:10

Tgt Ion: 75 Resp: 3350
 Ion Ratio Lower Upper
 75 100
 77 58.0 22.0 41.0#

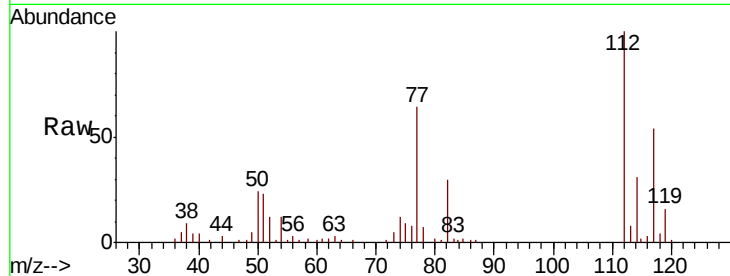




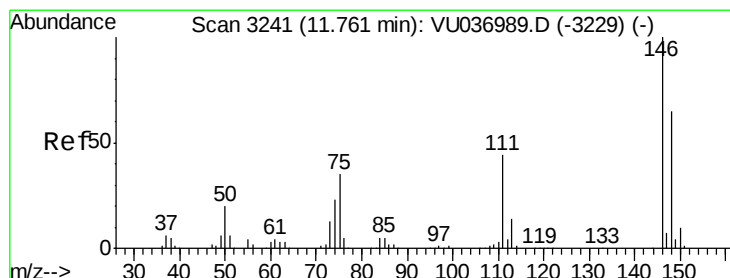
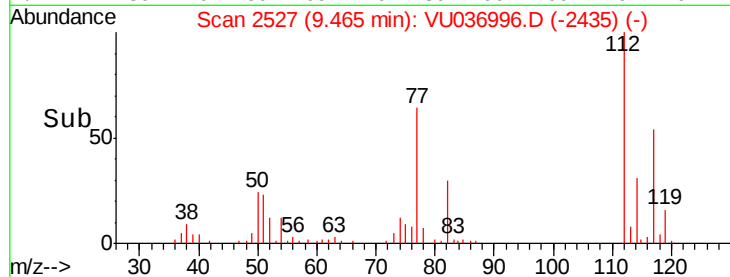
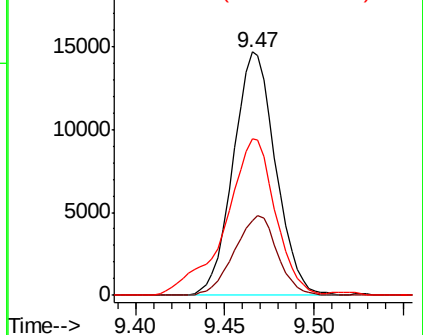
#51
Chlorobenzene
Concen: 4.680 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU036996.D
Acq: 02 Mar 2020 14:10

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:112 Resp: 24353
Ion Ratio Lower Upper
112 100
114 30.8 22.3 41.5
77 64.2 50.1 75.1

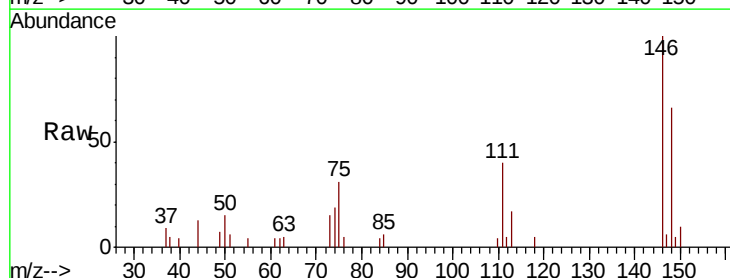


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

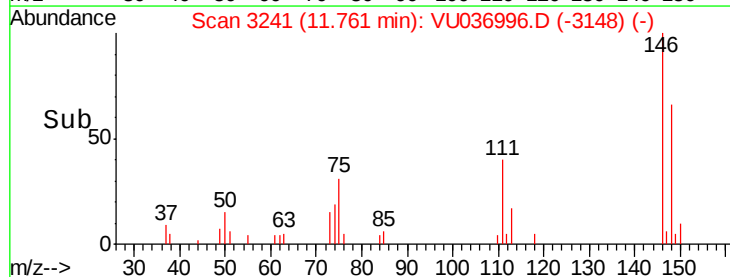
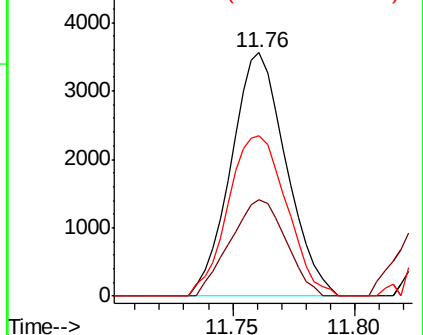


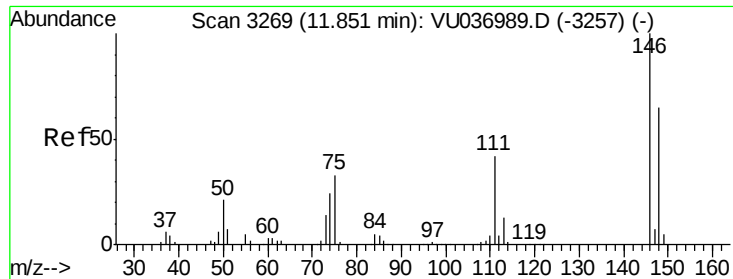
#62
1,3-Dichlorobenzene
Concen: 1.627 ug/L
RT: 11.76 min Scan# 3241
Delta R.T. -0.00 min
Lab File: VU036996.D
Acq: 02 Mar 2020 14:10

Tgt Ion:146 Resp: 5578
Ion Ratio Lower Upper
146 100
111 39.8 30.7 56.9
148 65.9 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: 7.536 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. -0.00 min

Lab File: VU036996.D

Acq: 02 Mar 2020 14:10

Instrument :

MSVOA_U

ClientSampleId :

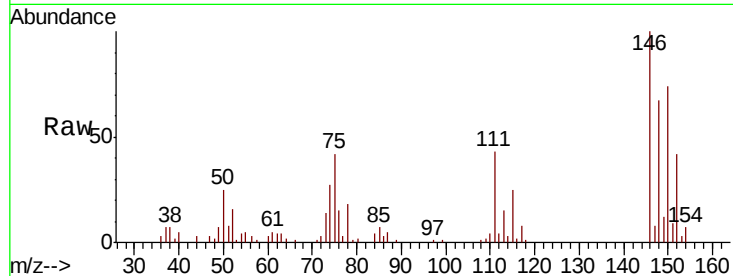
Tot Ion:146 Resp: 25525

Ion Ratio Lower Upper

146 100

111 43.2 29.8 55.4

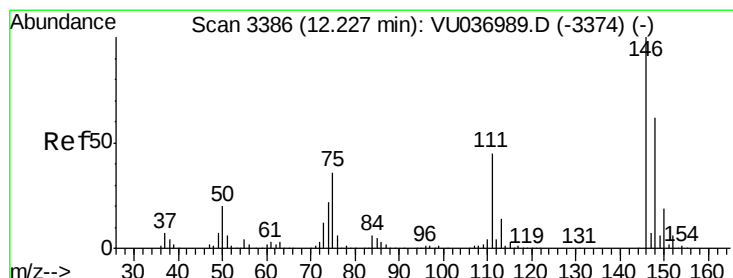
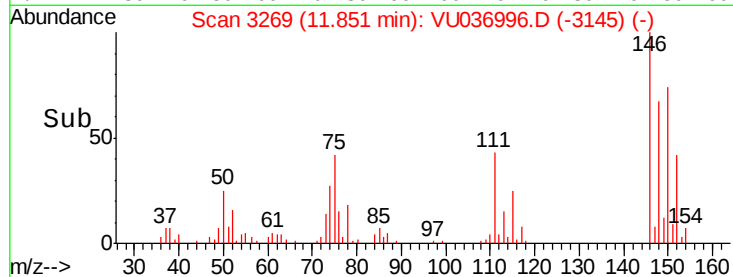
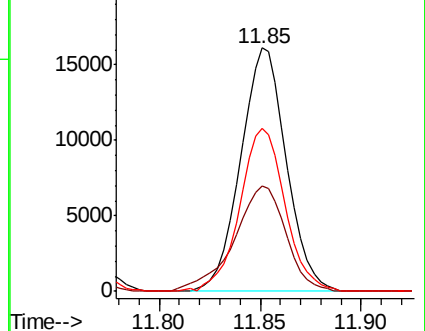
148 67.1 45.1 83.9



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



#65

1,2-Dichlorobenzene

Concen: 63.729 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU036996.D

Acq: 02 Mar 2020 14:10

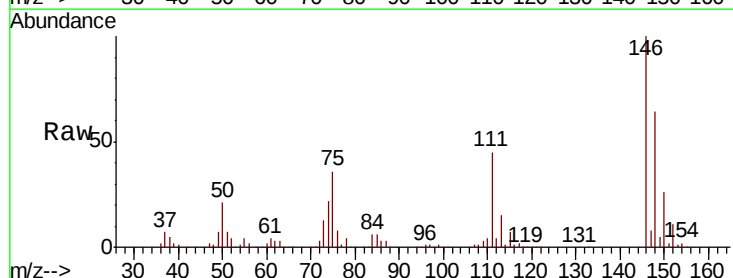
Tgt Ion:146 Resp: 218158

Ion Ratio Lower Upper

146 100

111 45.2 35.4 53.0

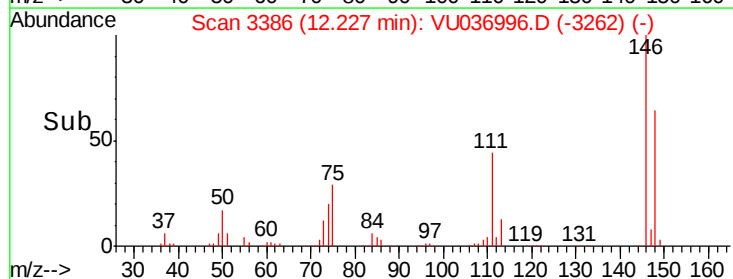
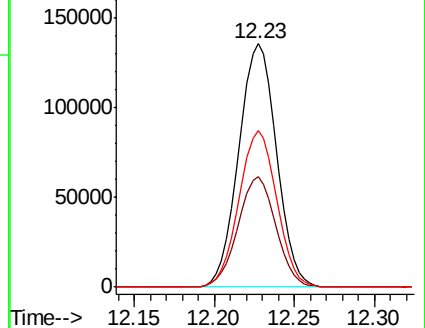
148 64.3 50.5 75.7

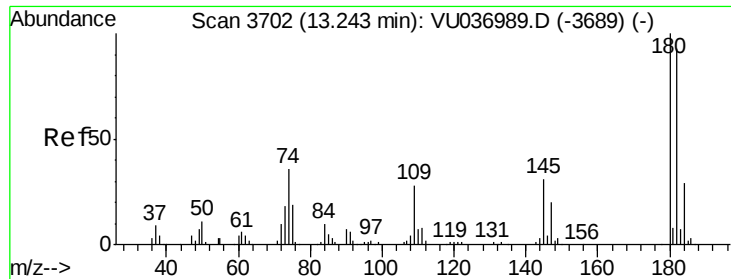


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

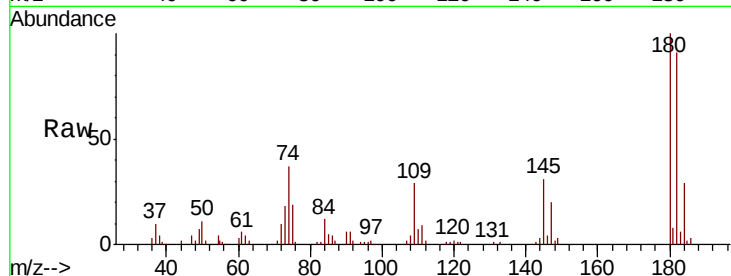




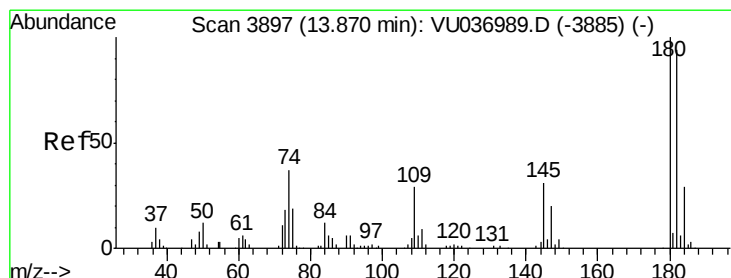
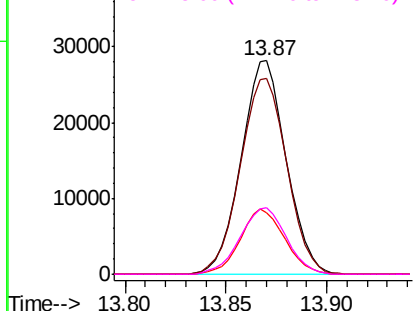
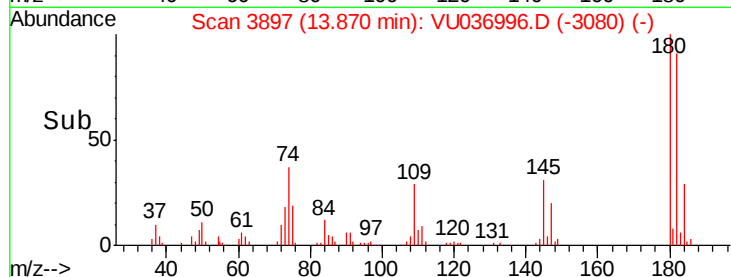
#67
 1,3,5-Trichlorobenzene
 Concen: 20.263 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. 0.63 min
 Lab File: VU036996.D
 Acq: 02 Mar 2020 14:10

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 44095
 Ion Ratio Lower Upper
 180 100
 182 94.6 76.9 115.3
 184 29.9 24.2 36.2
 145 32.1 25.3 37.9

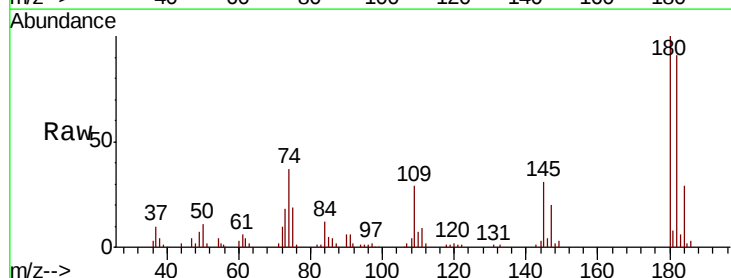


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

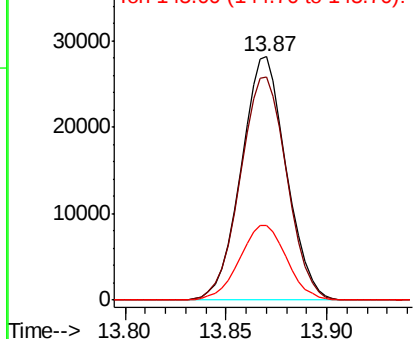
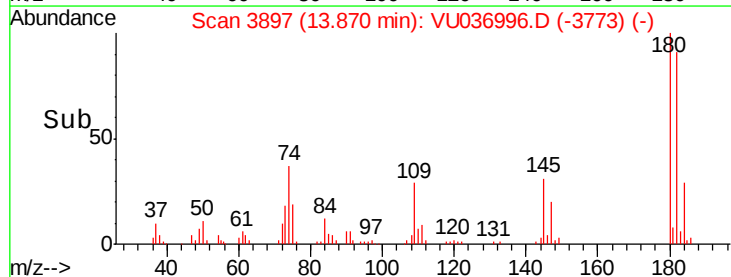


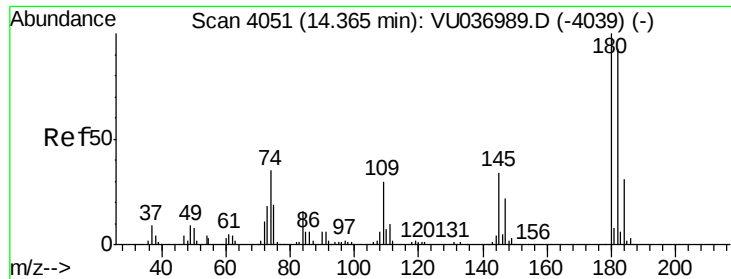
#68
 1,2,4-trichlorobenzene
 Concen: 27.045 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. -0.00 min
 Lab File: VU036996.D
 Acq: 02 Mar 2020 14:10

Tgt Ion:180 Resp: 44095
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.3 112.9
 145 32.1 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: 23.606 ug/L
 RT: 14.36 min Scan# 4050
 Delta R.T. -0.00 min
 Lab File: VU036996.D
 Acq: 02 Mar 2020 14:10

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	77.0	115.6
145	34.7	28.1	42.1

