

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030420\
 Data File : VU037059.D
 Acq On : 05 Mar 2020 00:04
 Operator : JC/MD
 Sample : L1780-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0DG2

Quant Time: Mar 05 03:45:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 05 02:52:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	253331	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	239896	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	90209	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	92060	43.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.54%
7) Chloroethane-d5	1.92	69	86371	49.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.14%
11) 1,1-Dichloroethene-d2	2.59	63	119405	33.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.04%
21) 2-Butanone-d5	4.67	46	146868	102.92	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.92%
24) Chloroform-d	5.10	84	160182	49.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.62%
26) 1,2-Dichloroethane-d4	5.74	65	111886	50.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.78%
32) Benzene-d6	5.76	84	345224	49.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.52%
36) 1,2-Dichloropropane-d6	6.72	67	116687	51.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.84%
41) Toluene-d8	7.92	98	305129	47.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.82%
43) trans-1,3-Dichloropropene-	8.20	79	46106	44.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.28%
47) 2-Hexanone-d5	8.66	63	102980	93.71	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.71%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	166380	52.51	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.02%
64) 1,2-Dichlorobenzene-d4	12.21	152	92163	52.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.52%

Target Compounds

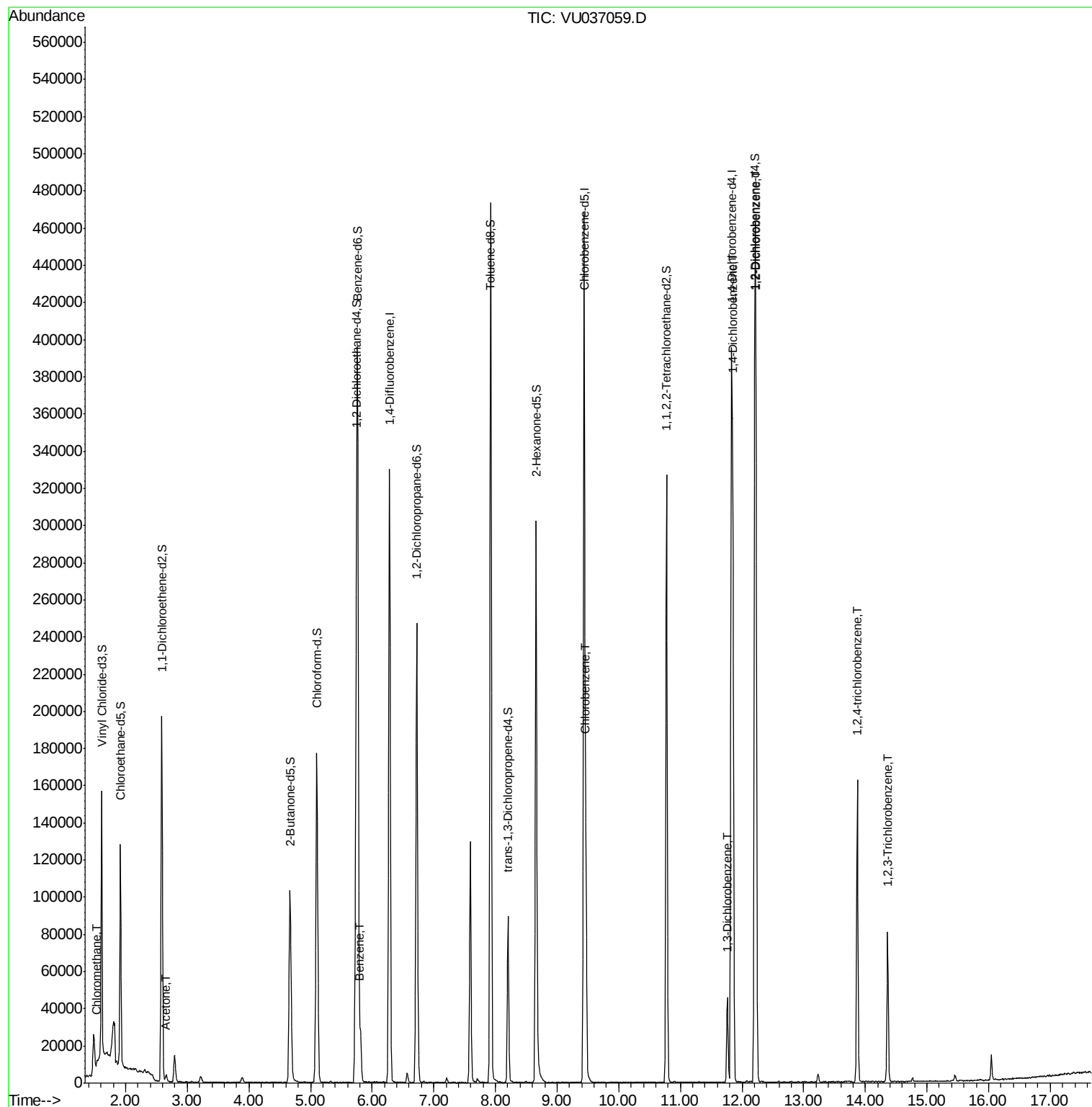
					Ovalue
3) Chloromethane	1.53	50	2507	1.014 ug/L	97
13) Acetone	2.66	43	3562	2.427 ug/L	97
33) Benzene	5.81	78	24965	3.294 ug/L	100
51) Chlorobenzene	9.47	112	58799	12.290 ug/L	96
62) 1,3-Dichlorobenzene	11.76	146	18382	6.281 ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	117472	40.631 ug/L	97
65) 1,2-Dichlorobenzene	12.23	146	109559	37.496 ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	45072	32.387 ug/L	97
70) 1,2,3-Trichlorobenzene	14.36	180	23522	16.914 ug/L	97

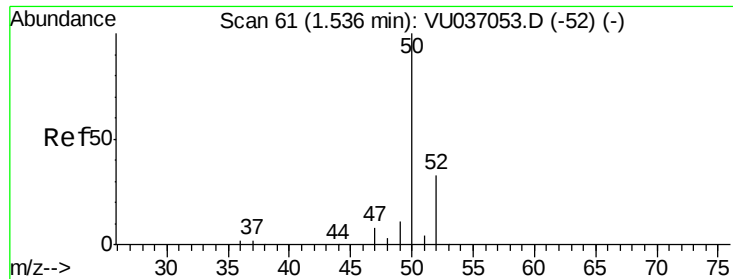
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Mar 05 02:52:45 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 1.014 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU037059.D

Acq: 05 Mar 2020 00:04

Instrument :

MSVOA_U

ClientSampleId :

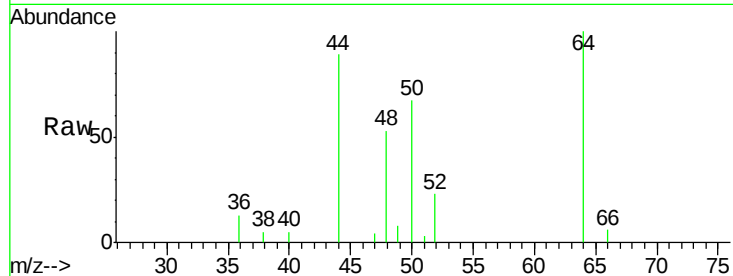
C0DG2

Tot Ion: 50 Resp: 2507

Ion Ratio Lower Upper

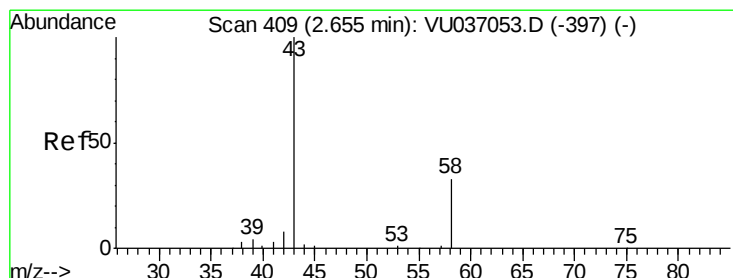
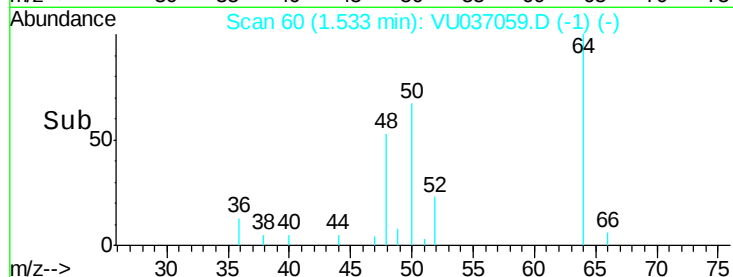
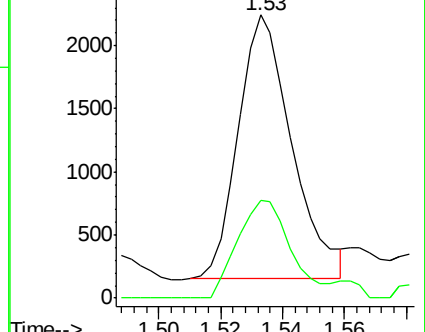
50 100

52 34.4 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU037059.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU037059.D (-52) (-)



#13

Acetone

Concen: 2.427 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU037059.D

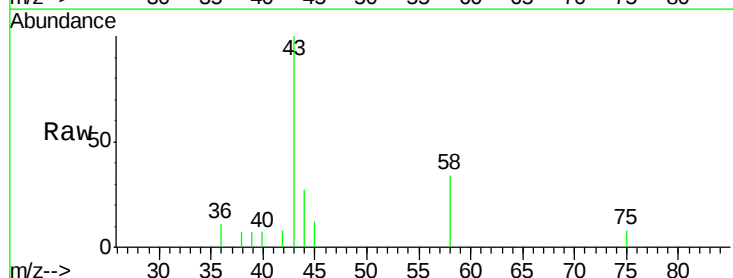
Acq: 05 Mar 2020 00:04

Tgt Ion: 43 Resp: 3562

Ion Ratio Lower Upper

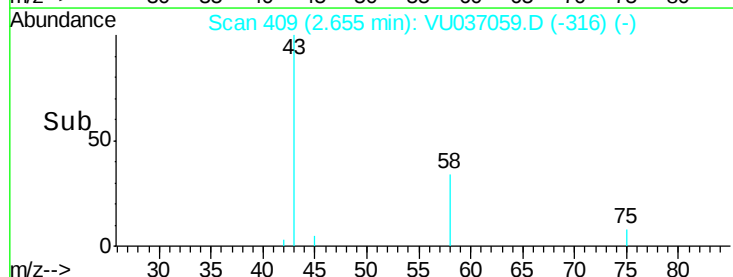
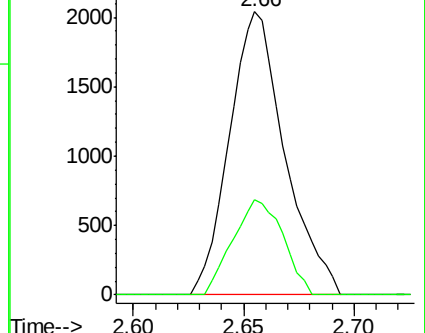
43 100

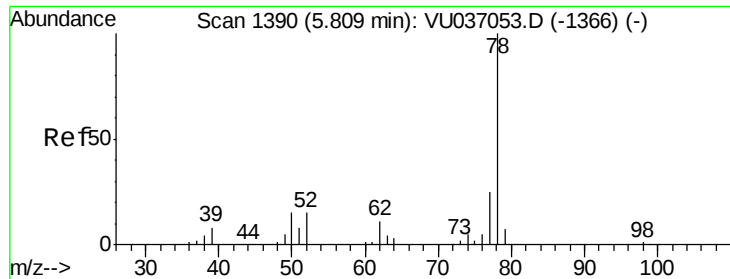
58 30.5 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU037059.D (-397) (-)

Ion 58.00 (57.70 to 58.70): VU037059.D (-397) (-)





#33

Benzene

Concen: 3.294 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU037059.D

Acq: 05 Mar 2020 00:04

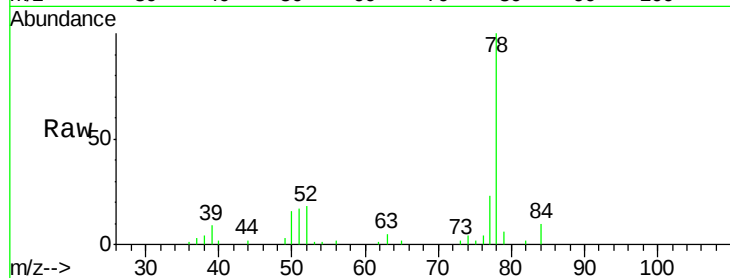
Instrument :

MSVOA_U

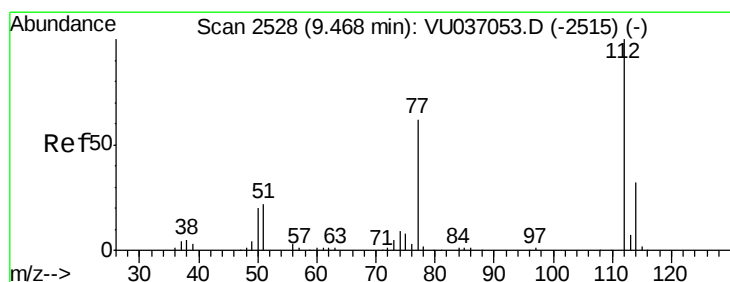
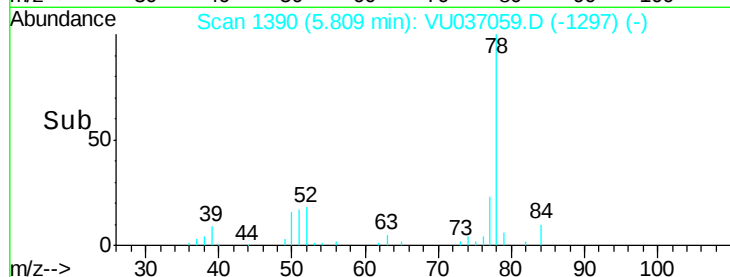
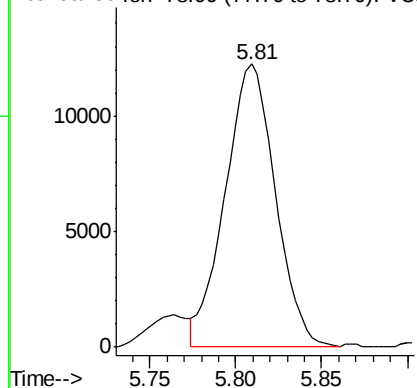
ClientSampleId :

C0DG2

Tgt Ion: 78 Resp: 24965



Abundance Ion 78.00 (77.70 to 78.70): VU0



#51

Chlorobenzene

Concen: 12.290 ug/L

RT: 9.47 min Scan# 2528

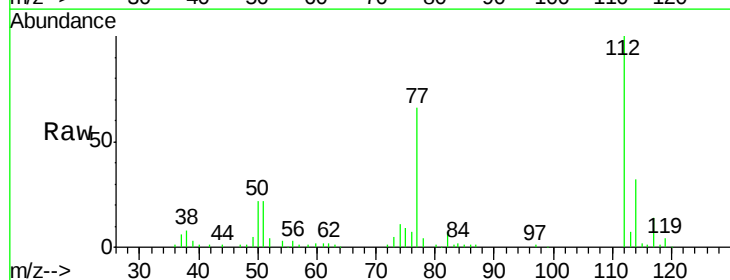
Delta R.T. -0.00 min

Lab File: VU037059.D

Acq: 05 Mar 2020 00:04

Tgt Ion: 112 Resp: 58799

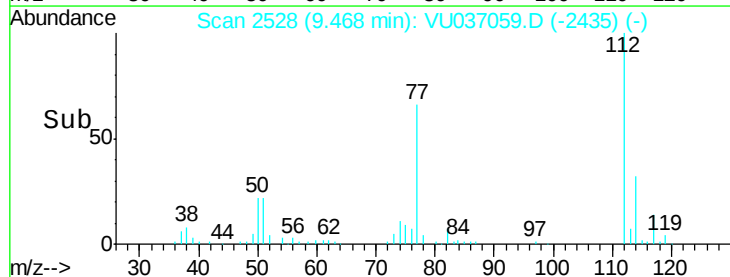
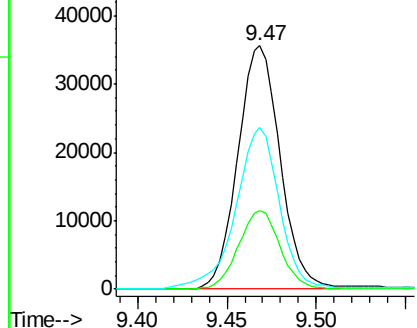
Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.3	41.5
77	66.4	50.1	75.1

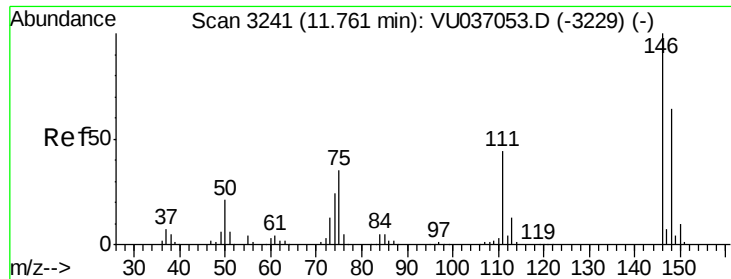


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0

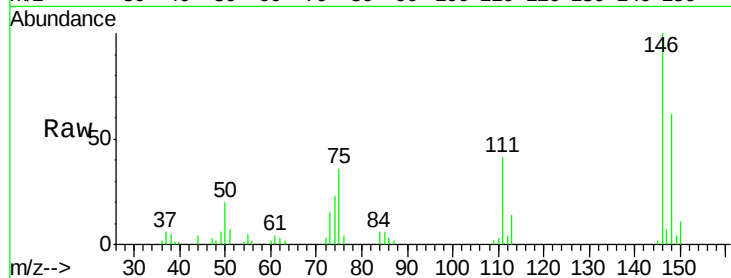




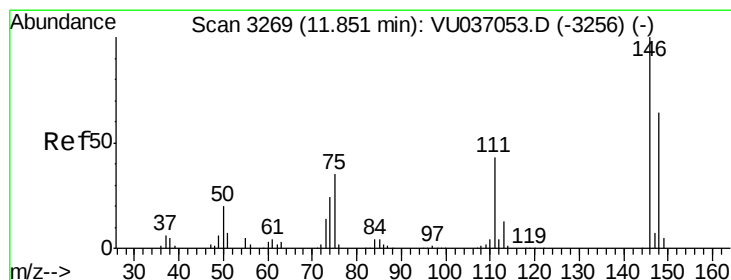
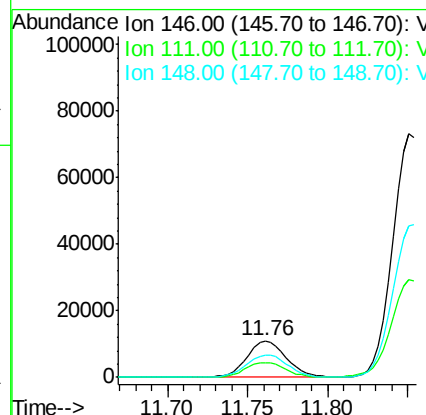
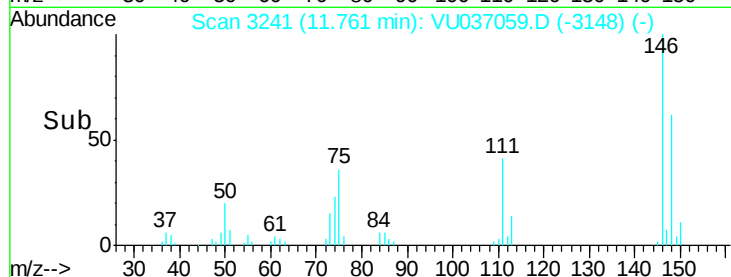
#62
 1,3-Dichlorobenzene
 Concen: 6.281 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. -0.00 min
 Lab File: VU037059.D
 Acq: 05 Mar 2020 00:04

Instrument :
 MSVOA_U
 ClientSampleId :
 C0DG2

Tot Ion:146 Resp: 18382
 Ion Ratio Lower Upper
 146 100
 111 40.6 30.7 56.9
 148 61.6 44.2 82.2

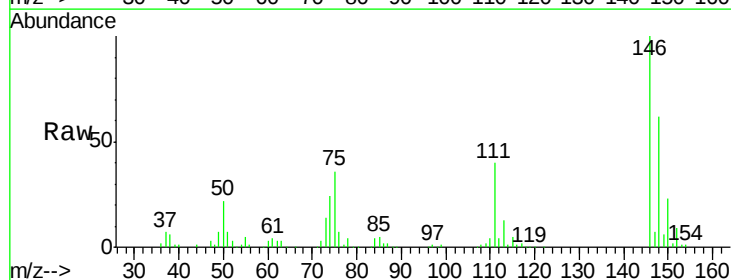


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

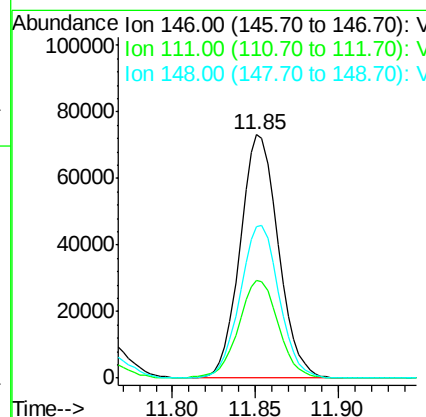
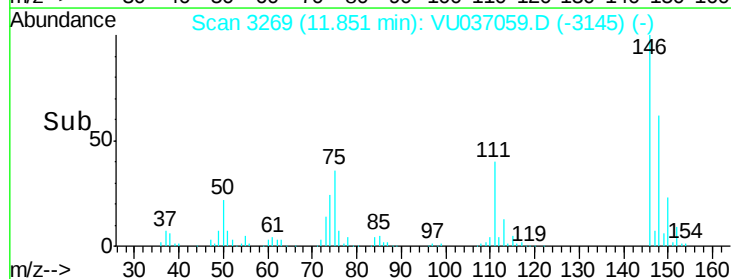


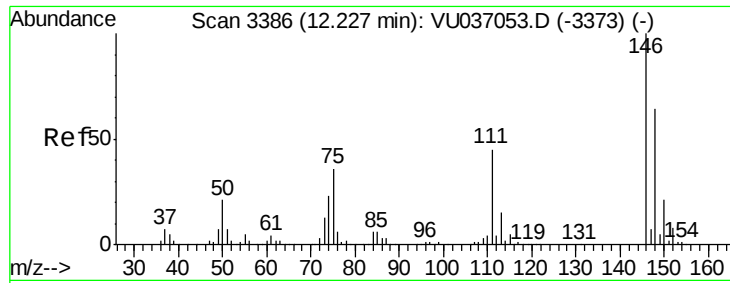
#63
 1,4-Dichlorobenzene
 Concen: 40.631 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: VU037059.D
 Acq: 05 Mar 2020 00:04

Tgt Ion:146 Resp: 117472
 Ion Ratio Lower Upper
 146 100
 111 40.1 29.8 55.4
 148 62.3 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: 37.496 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU037059.D

Acq: 05 Mar 2020 00:04

Instrument :

MSVOA_U

ClientSampled :

C0DG2

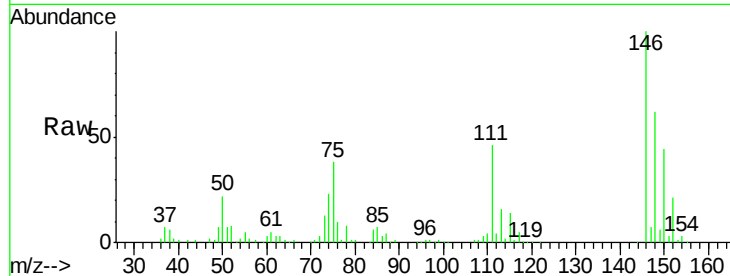
Tot Ion:146 Resp: 109559

Ion Ratio Lower Upper

146 100

111 45.9 35.4 53.0

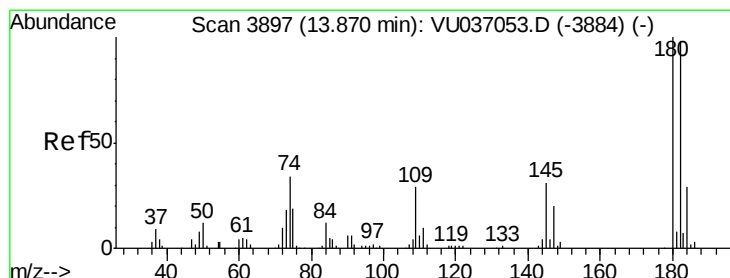
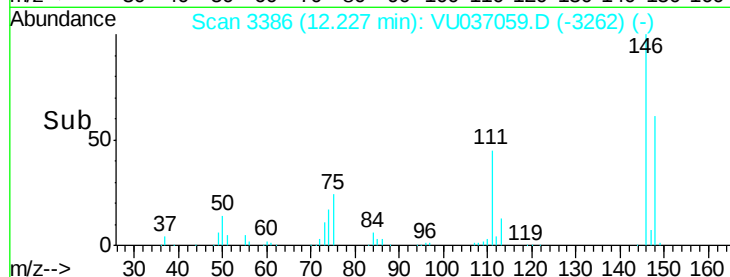
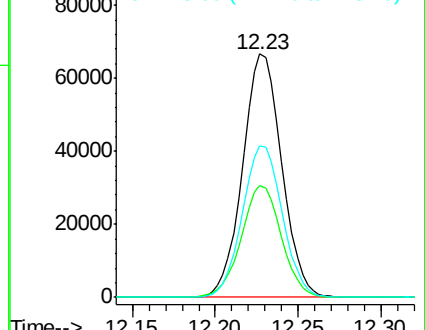
148 62.0 50.5 75.7



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



#68

1,2,4-trichlorobenzene

Concen: 32.387 ug/L

RT: 13.87 min Scan# 3897

Delta R.T. -0.00 min

Lab File: VU037059.D

Acq: 05 Mar 2020 00:04

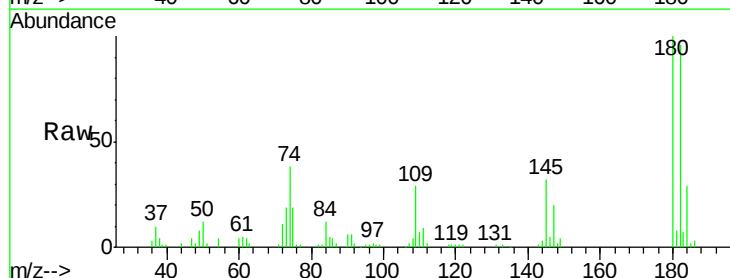
Tgt Ion:180 Resp: 45072

Ion Ratio Lower Upper

180 100

182 97.7 75.3 112.9

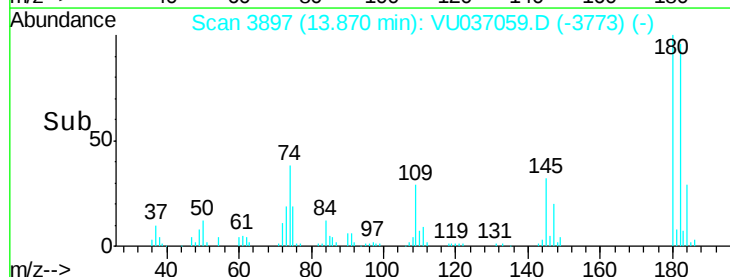
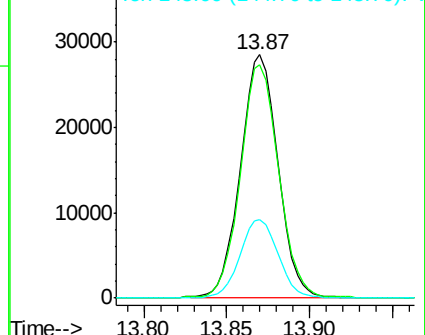
145 32.8 26.2 39.4

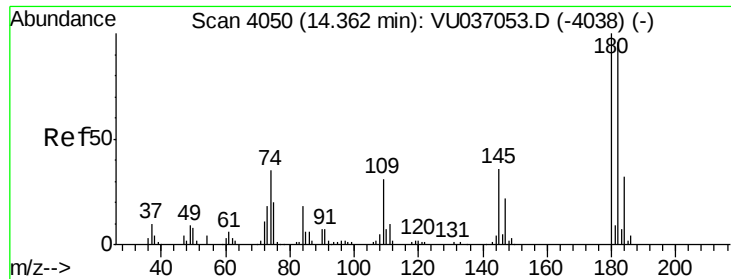


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

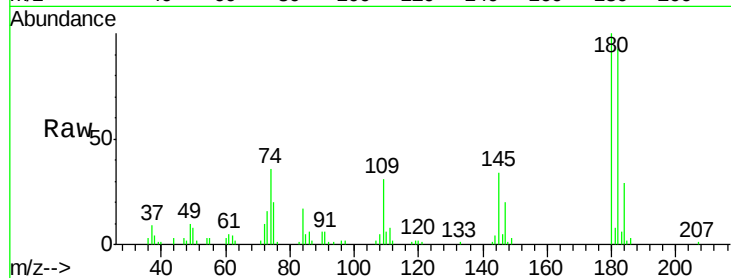




#70
 1,2,3-Trichlorobenzene
 Concen: 16.914 ug/L
 RT: 14.36 min Scan# 4050
 Delta R.T. -0.00 min
 Lab File: VU037059.D
 Acq: 05 Mar 2020 00:04

Instrument :
 MSVOA_U
 ClientSampleId :
 C0DG2

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.7	77.0	115.6
145	33.8	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

