

Data File : VU037066.D
Acq On : 05 Mar 2020 02:49
Operator : JC/MD
Sample : L1780-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0DH8

Quant Time: Mar 05 04:27:01 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	270155	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	251231	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	90935	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	95382	42.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.08%
7) Chloroethane-d5	1.92	69	92644	49.35	ug/L	0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.70%
11) 1,1-Dichloroethene-d2	2.59	63	123104	32.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.80%
21) 2-Butanone-d5	4.67	46	157906	103.76	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.76%
24) Chloroform-d	5.10	84	167005	48.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.42%
26) 1,2-Dichloroethane-d4	5.74	65	115772	49.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.76%
32) Benzene-d6	5.76	84	362180	49.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.70%
36) 1,2-Dichloropropane-d6	6.72	67	120422	51.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.32%
41) Toluene-d8	7.92	98	320973	47.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.24%
43) trans-1,3-Dichloropropene-	8.20	79	49775	45.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.02%
47) 2-Hexanone-d5	8.66	63	112530	97.78	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.78%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	169589	51.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.20%
64) 1,2-Dichlorobenzene-d4	12.21	152	93268	52.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.94%

Target Compounds

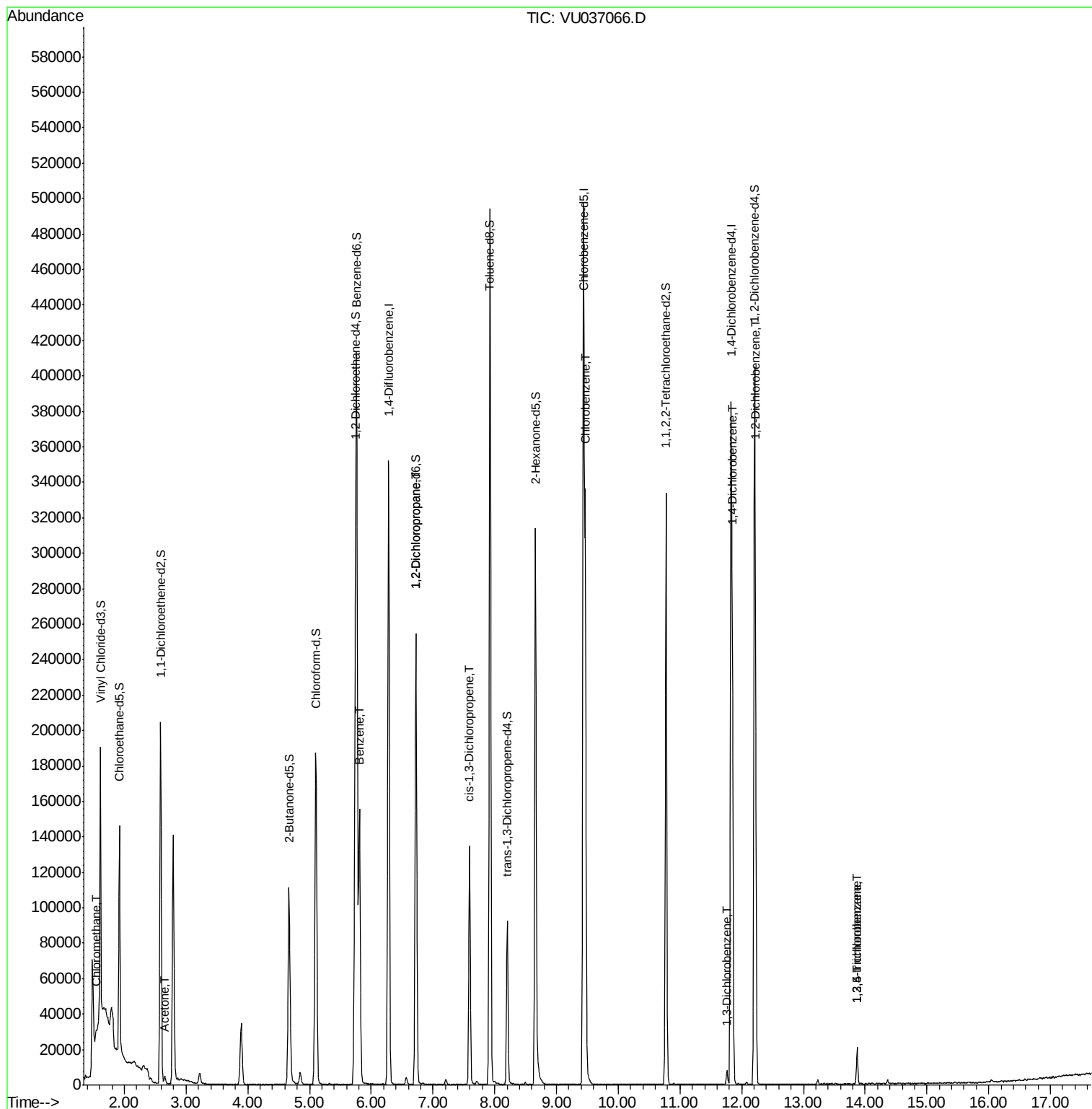
					Qvalue
3) Chloromethane	1.53	50	2781	1.055 ug/L	96
13) Acetone	2.65	43	4072	2.601 ug/L	99
33) Benzene	5.81	78	142658	17.974 ug/L	100
37) 1,2-Dichloropropane	6.72	63	12796	5.988 ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	3277	0.995 ug/L #	65
51) Chlorobenzene	9.47	112	163792	32.692 ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	3331	1.129 ug/L	90
63) 1,4-Dichlorobenzene	11.85	146	81124	27.835 ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	44120	14.979 ug/L	98
67) 1,3,5-Trichlorobenzene	13.87	180	6029	3.220 ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	6029	4.298 ug/L	98

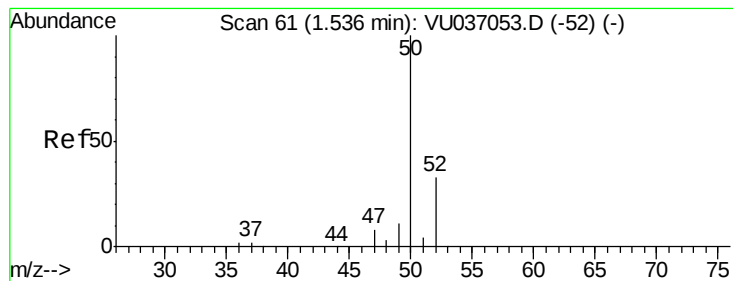
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#3

Chloromethane

Concen: 1.055 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU037066.D

Acq: 05 Mar 2020 02:49

Instrument :

MSVOA_U

ClientSampleId :

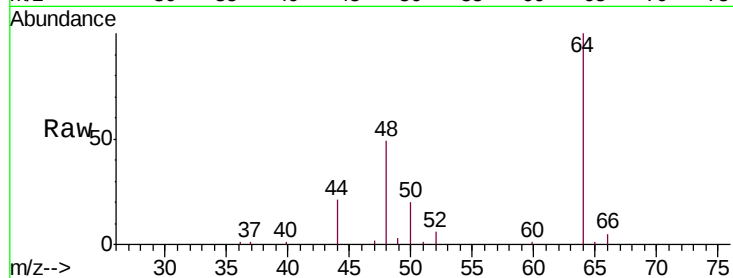
C0DH8

Tgt Ion: 50 Resp: 2781

Ion Ratio Lower Upper

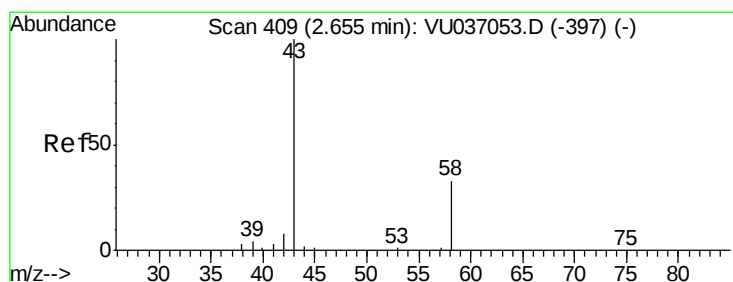
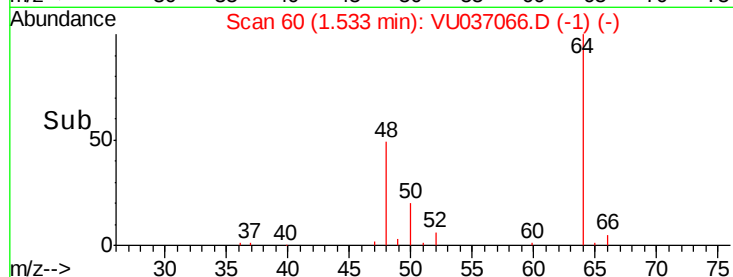
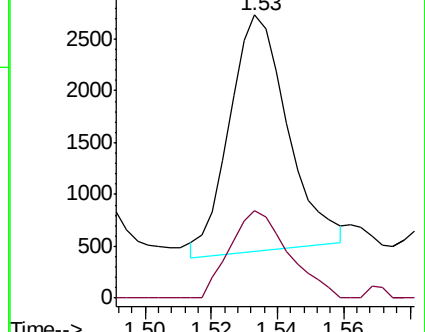
50 100

52 30.8 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU037066.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU037066.D (-1) (-)



#13

Acetone

Concen: 2.601 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.00 min

Lab File: VU037066.D

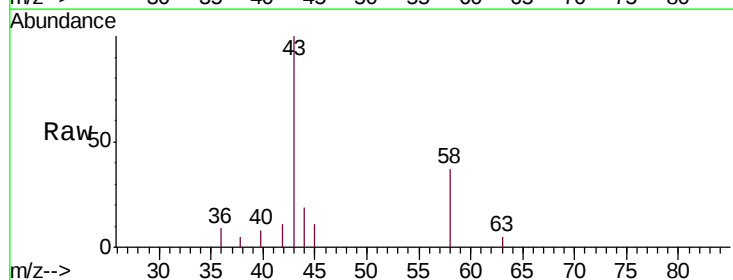
Acq: 05 Mar 2020 02:49

Tgt Ion: 43 Resp: 4072

Ion Ratio Lower Upper

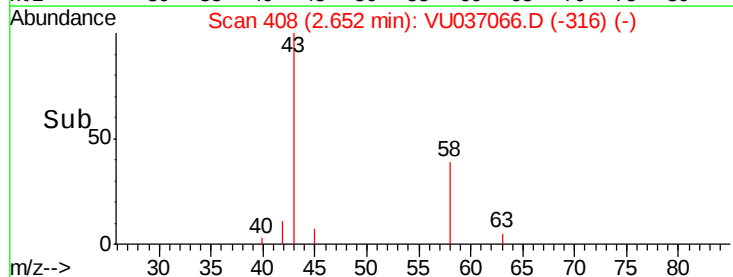
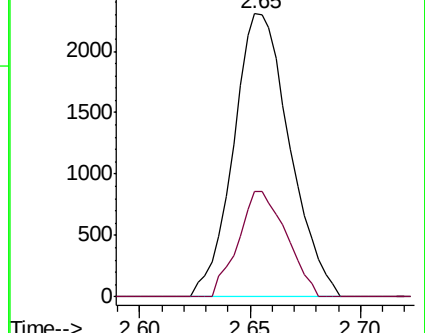
43 100

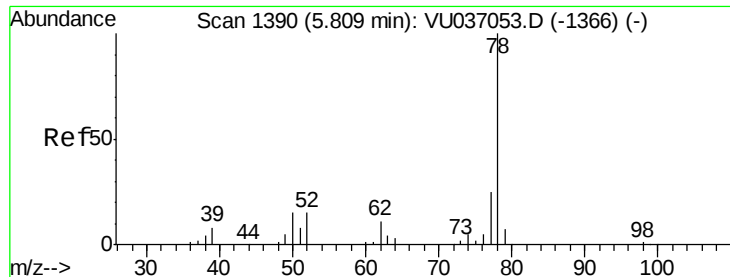
58 31.9 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU037066.D (-316) (-)

Ion 58.00 (57.70 to 58.70): VU037066.D (-316) (-)





#33

Benzene

Concen: 17.974 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU037066.D

Acq: 05 Mar 2020 02:49

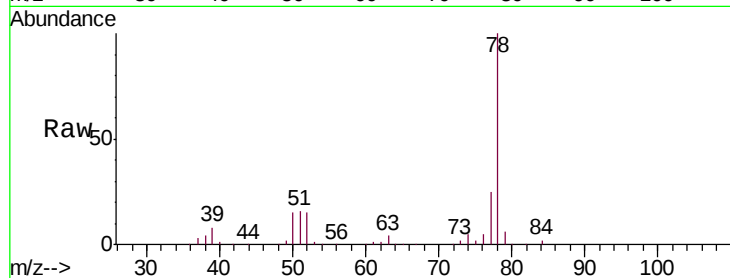
Instrument :

MSVOA_U

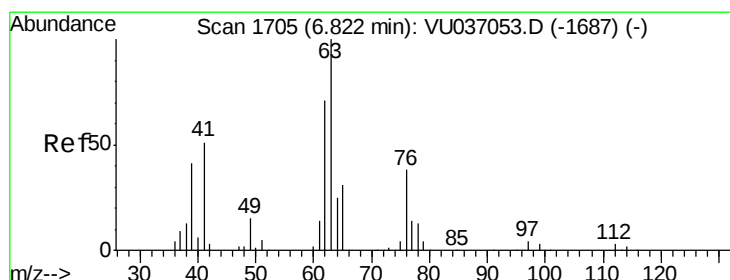
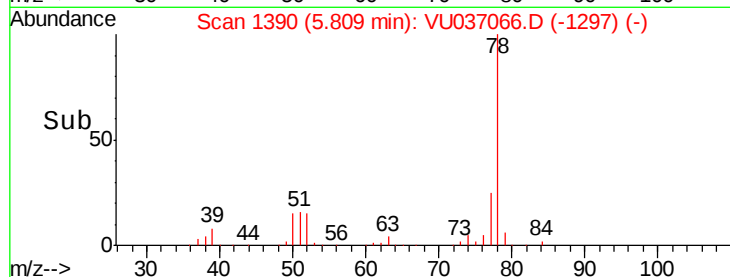
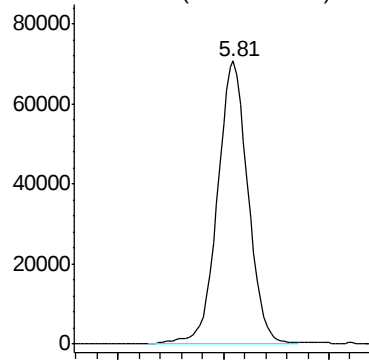
ClientSampleId :

C0DH8

Tgt Ion: 78 Resp: 142658



Abundance Ion 78.00 (77.70 to 78.70): VU0



#37

1,2-Dichloropropane

Concen: 5.988 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.10 min

Lab File: VU037066.D

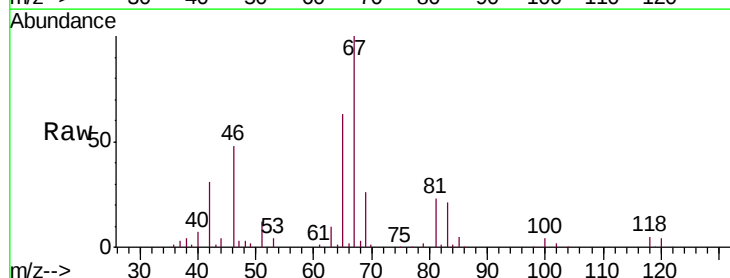
Acq: 05 Mar 2020 02:49

Tgt Ion: 63 Resp: 12796

Ion Ratio Lower Upper

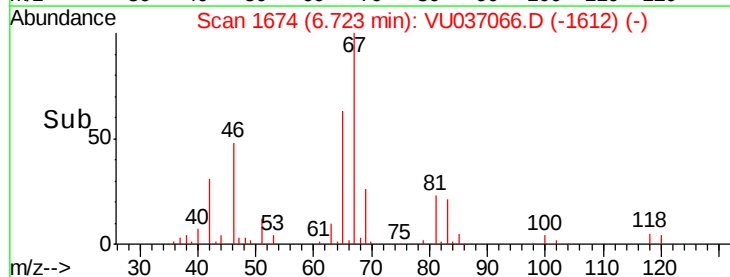
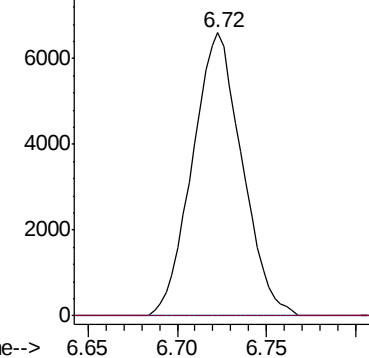
63 100

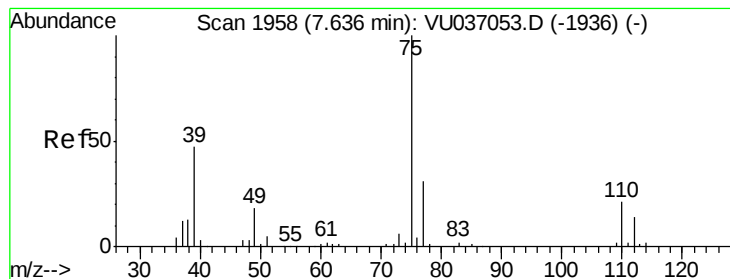
112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V



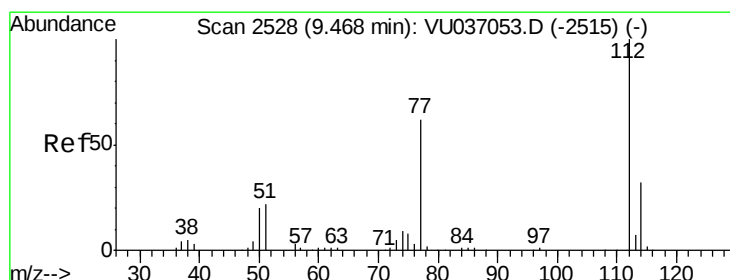
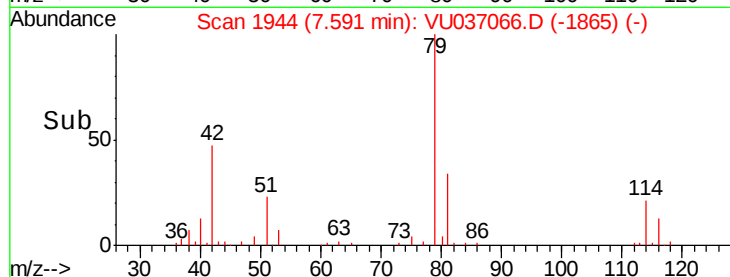
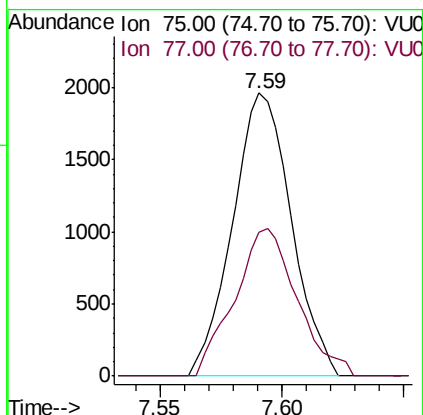
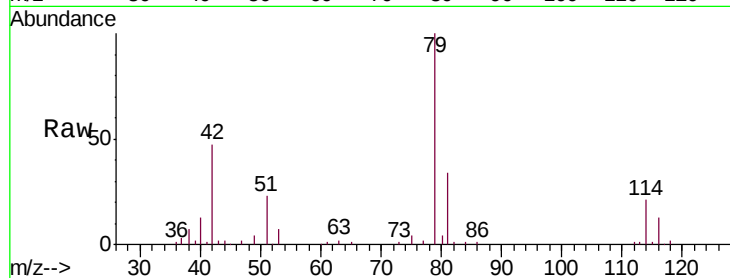


#39

cis-1,3-Dichloropropene
 Concen: 0.995 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU037066.D
 Acq: 05 Mar 2020 02:49

Instrument :
 MSVOA_U
 ClientSampleId :
 C0DH8

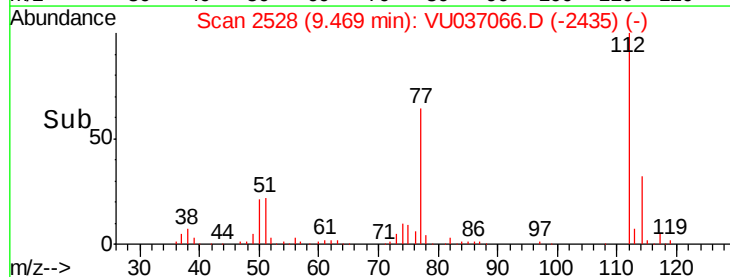
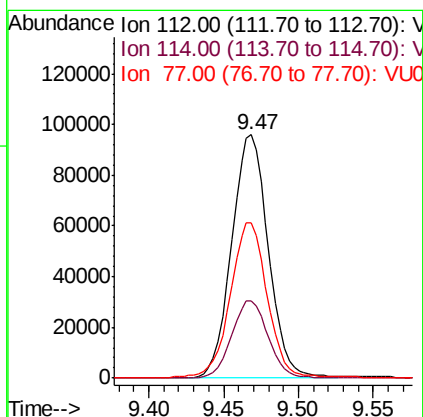
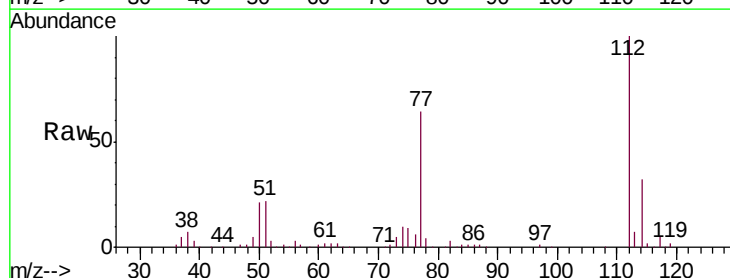
Tgt Ion: 75 Resp: 3277
 Ion Ratio Lower Upper
 75 100
 77 50.9 22.0 41.0#

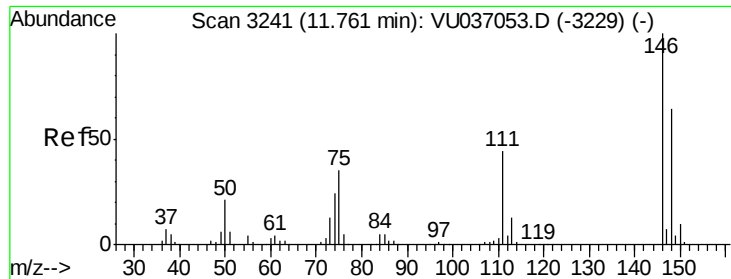


#51

Chlorobenzene
 Concen: 32.692 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. 0.00 min
 Lab File: VU037066.D
 Acq: 05 Mar 2020 02:49

Tgt Ion: 112 Resp: 163792
 Ion Ratio Lower Upper
 112 100
 114 31.9 22.3 41.5
 77 63.7 50.1 75.1

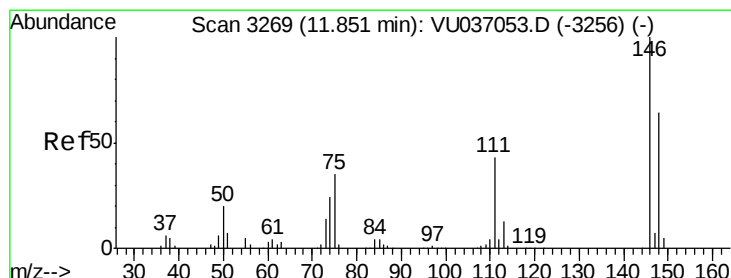
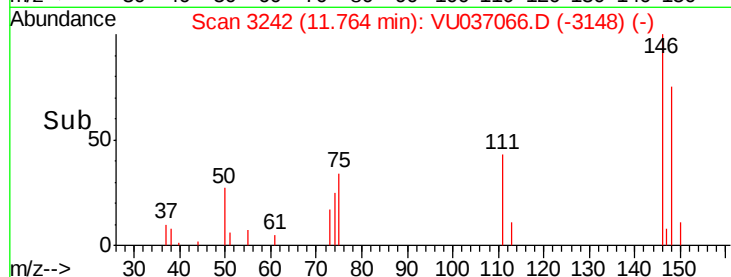
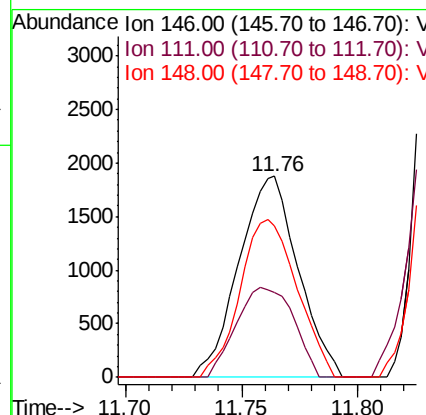
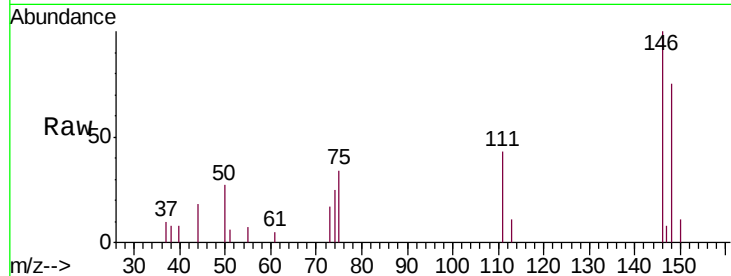




#62
 1,3-Dichlorobenzene
 Concen: 1.129 ug/L
 RT: 11.76 min Scan# 3242
 Delta R.T. 0.00 min
 Lab File: VU037066.D
 Acq: 05 Mar 2020 02:49

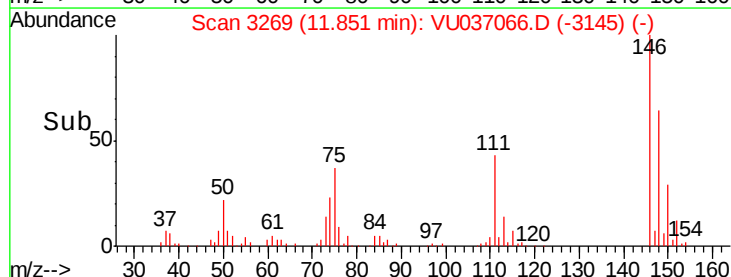
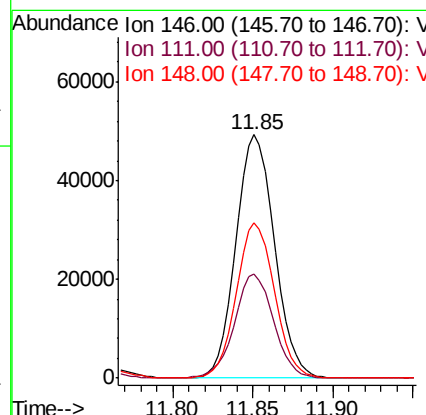
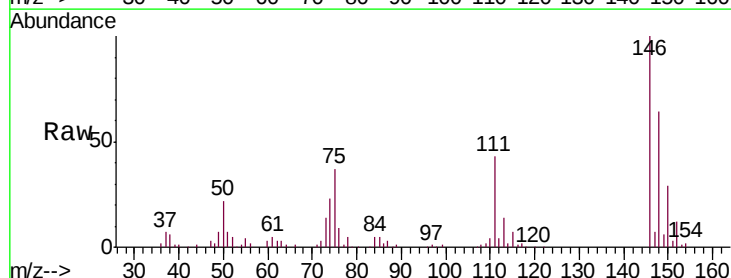
Instrument :
 MSVOA_U
 ClientSampleId :
 C0DH8

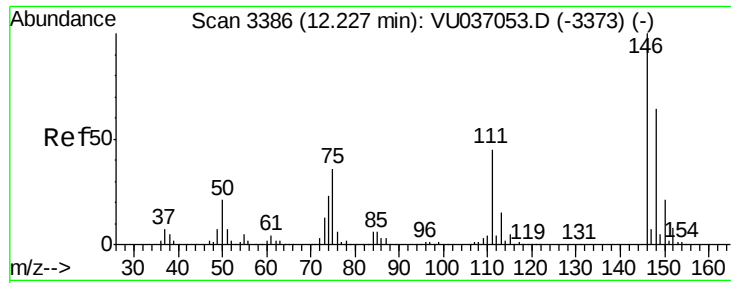
Tgt Ion:146 Resp: 3331
 Ion Ratio Lower Upper
 146 100
 111 42.5 30.7 56.9
 148 75.4 44.2 82.2



#63
 1,4-Dichlorobenzene
 Concen: 27.835 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU037066.D
 Acq: 05 Mar 2020 02:49

Tgt Ion:146 Resp: 81124
 Ion Ratio Lower Upper
 146 100
 111 42.5 29.8 55.4
 148 63.8 45.1 83.9





#65

1,2-Dichlorobenzene

Concen: 14.979 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU037066.D

Acq: 05 Mar 2020 02:49

Instrument :

MSVOA_U

ClientSampleId :

C0DH8

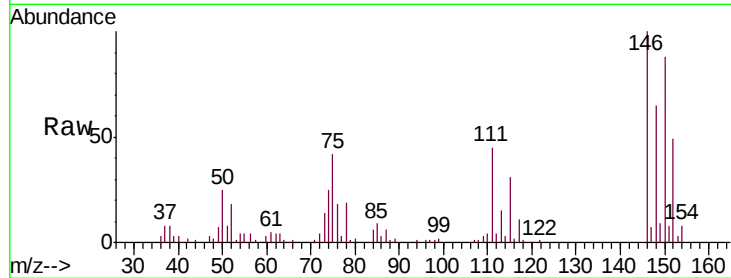
Tgt Ion:146 Resp: 44120

Ion Ratio Lower Upper

146 100

111 45.4 35.4 53.0

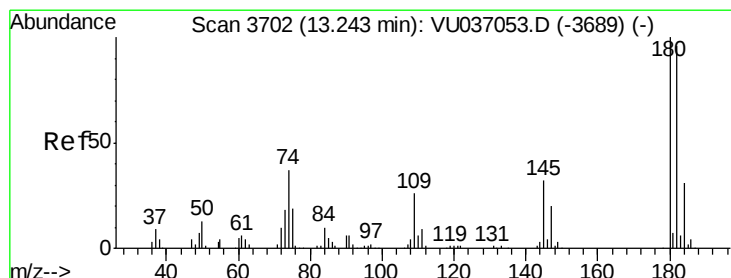
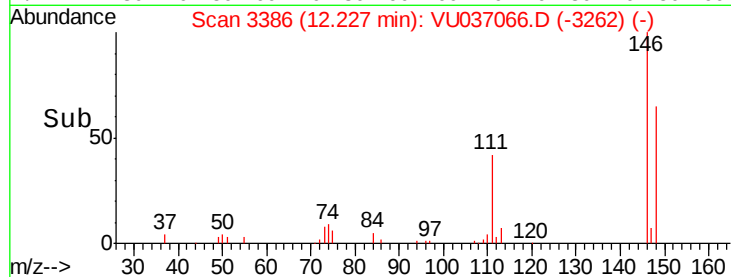
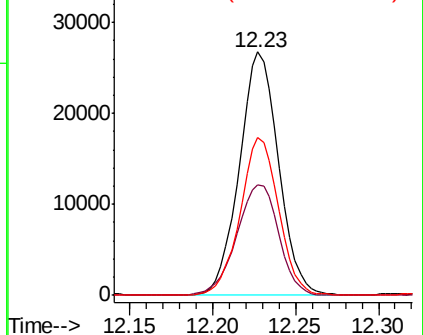
148 64.8 50.5 75.7



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: 3.220 ug/L

RT: 13.87 min Scan# 3897

Delta R.T. 0.63 min

Lab File: VU037066.D

Acq: 05 Mar 2020 02:49

Tgt Ion:180 Resp: 6029

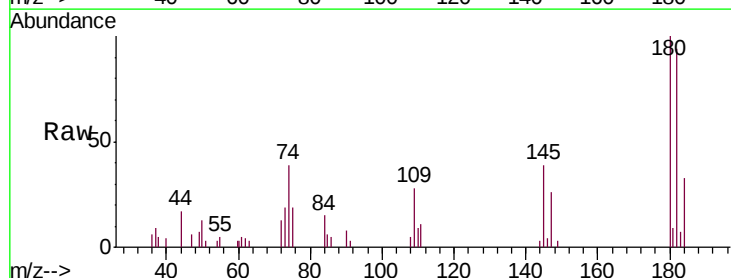
Ion Ratio Lower Upper

180 100

182 96.3 76.9 115.3

184 29.3 24.2 36.2

145 31.1 25.3 37.9

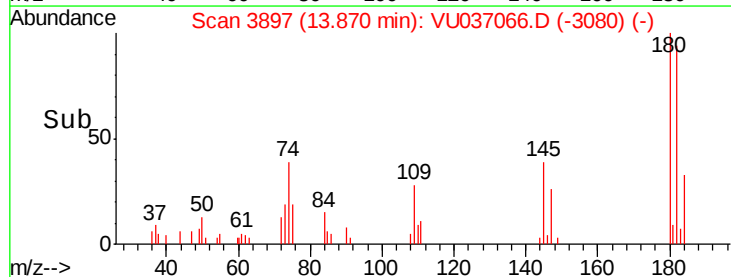
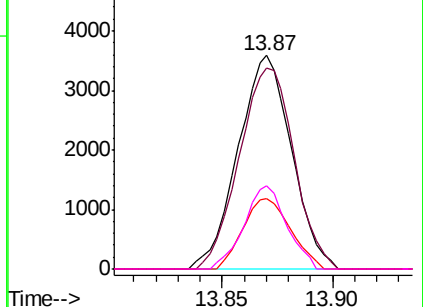


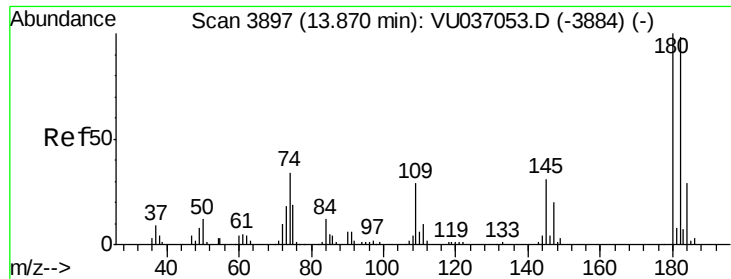
Abundance Ion 180.00 (179.70 to 180.70): V

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: 4.298 ug/L

RT: 13.87 min Scan# 3897

Delta R.T. 0.00 min

Lab File: VU037066.D

Acq: 05 Mar 2020 02:49

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ClientSampleId :

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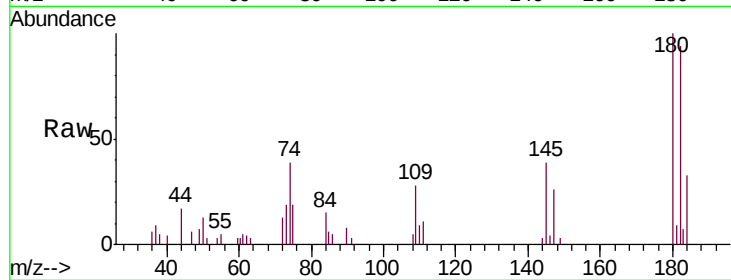
Tgt Ion:180 Resp: 6029

Ion Ratio Lower Upper

180 100

182 96.3 75.3 112.9

145 31.1 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

