

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030420\
 Data File : VU037067.D
 Acq On : 05 Mar 2020 03:12
 Operator : JC/MD
 Sample : L1780-15
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0DJ2

Quant Time: Mar 05 04:33:30 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	266069	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	245683	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	83352	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	90729	40.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.22%
7) Chloroethane-d5	1.92	69	91312	49.39	ug/L	0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.78%
11) 1,1-Dichloroethene-d2	2.59	63	121354	32.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.86%
21) 2-Butanone-d5	4.67	46	153841	102.64	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.64%
24) Chloroform-d	5.10	84	165717	48.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.14%
26) 1,2-Dichloroethane-d4	5.74	65	114652	49.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.30%
32) Benzene-d6	5.76	84	361501	50.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.76%
36) 1,2-Dichloropropane-d6	6.72	67	119450	51.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.78%
41) Toluene-d8	7.92	98	315554	47.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.74%
43) trans-1,3-Dichloropropene-	8.20	79	47661	44.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.12%
47) 2-Hexanone-d5	8.66	63	104948	93.25	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.25%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	165626	51.04	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.08%
64) 1,2-Dichlorobenzene-d4	12.21	152	87797	53.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.76%

Target Compounds

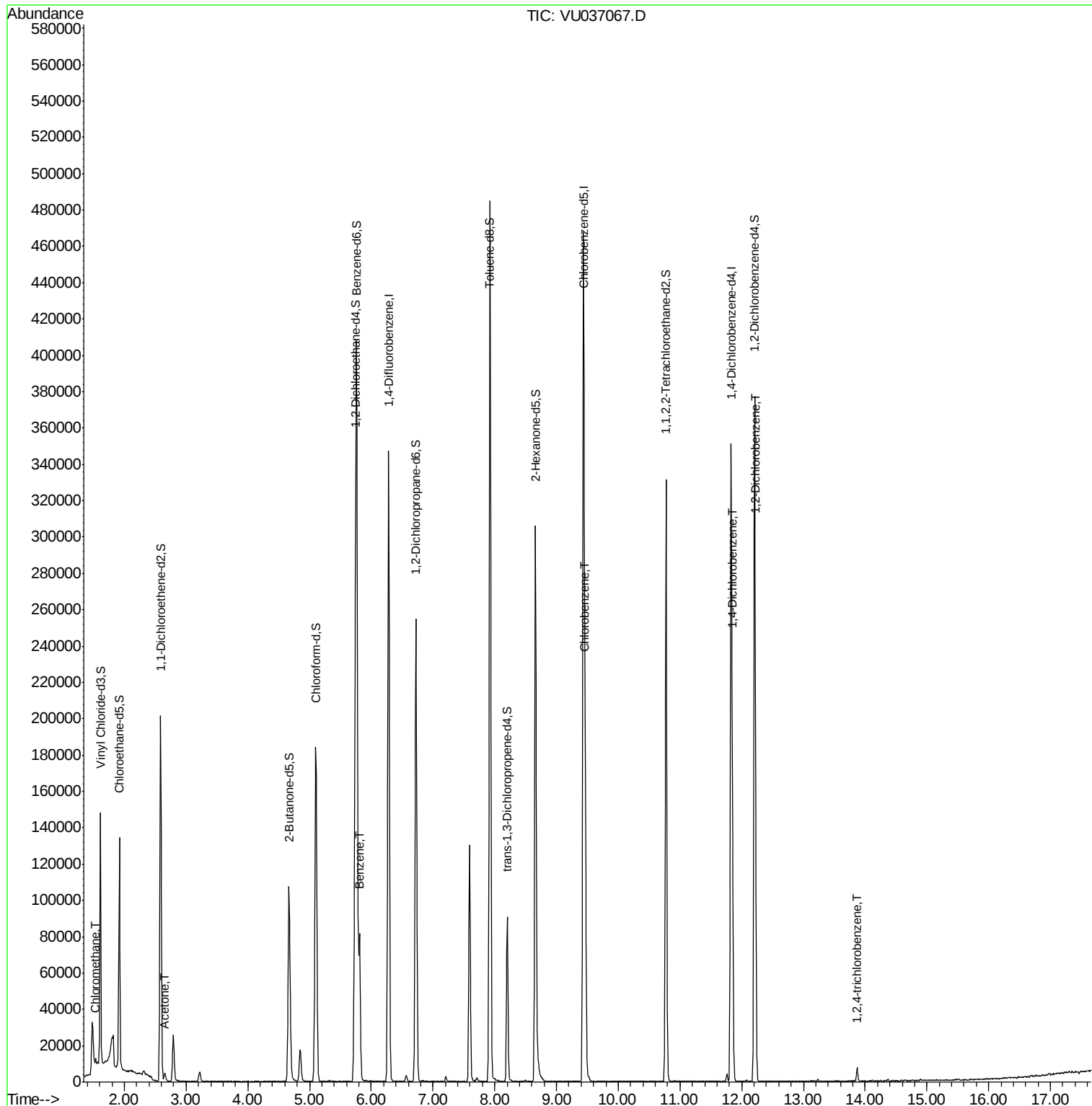
					Ovalue
3) Chloromethane	1.53	50	2672	1.029 ug/L	96
13) Acetone	2.66	43	3943	2.558 ug/L	98
33) Benzene	5.81	78	74526	9.602 ug/L	100
51) Chlorobenzene	9.47	112	92104	18.798 ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	42605	15.948 ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	23085	8.551 ug/L	97
68) 1,2,4-trichlorobenzene	13.87	180	2138	1.663 ug/L	88

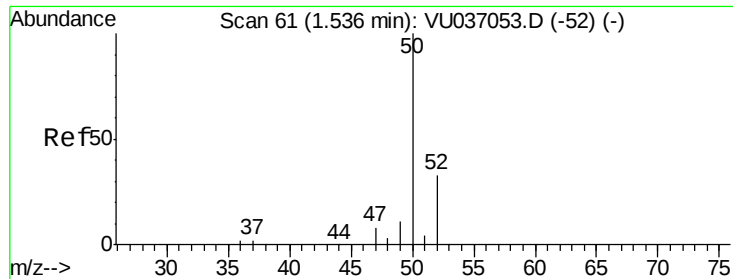
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 05 02:52:45 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 1.029 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU037067.D

Acq: 05 Mar 2020 03:12

Instrument :

MSVOA_U

ClientSampleId :

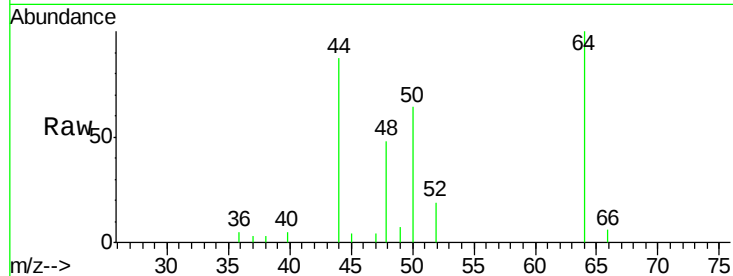
C0DJ2

Tot Ion: 50 Resp: 2672

Ion Ratio Lower Upper

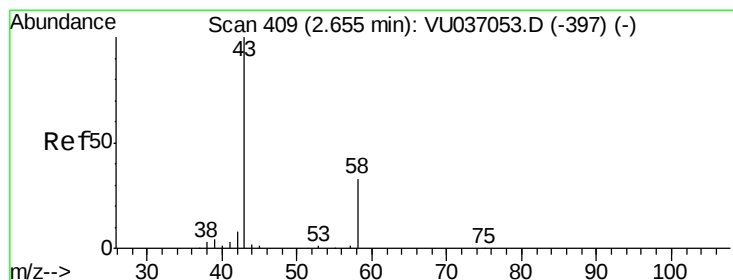
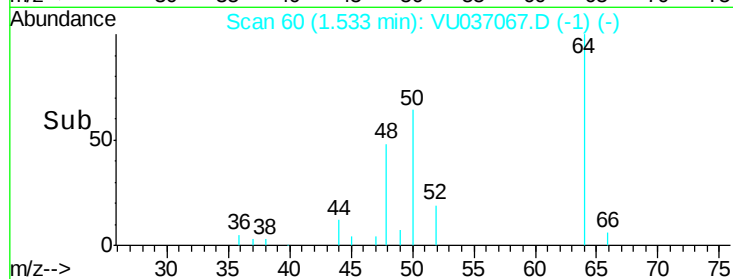
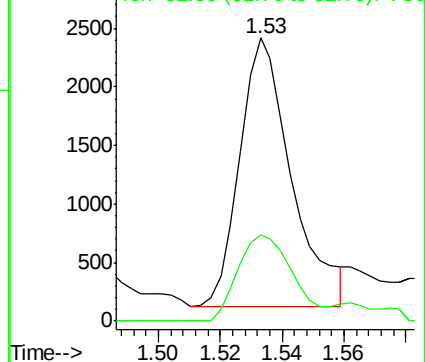
50 100

52 30.3 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#13

Acetone

Concen: 2.558 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037067.D

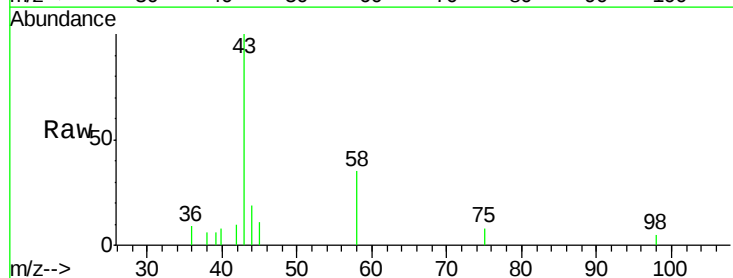
Acq: 05 Mar 2020 03:12

Tgt Ion: 43 Resp: 3943

Ion Ratio Lower Upper

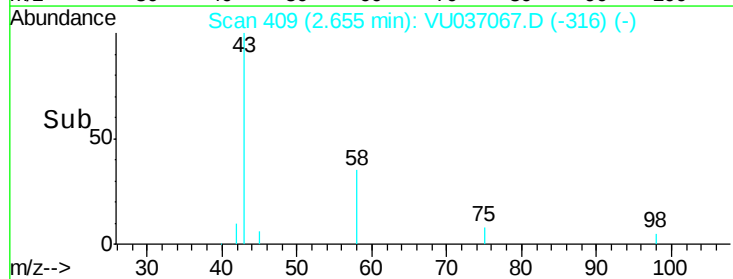
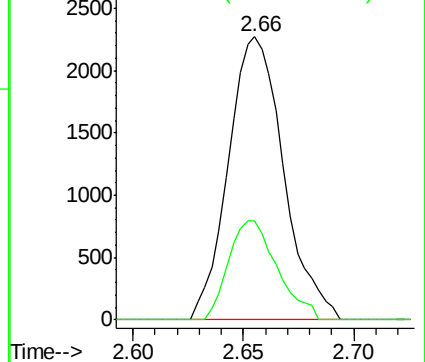
43 100

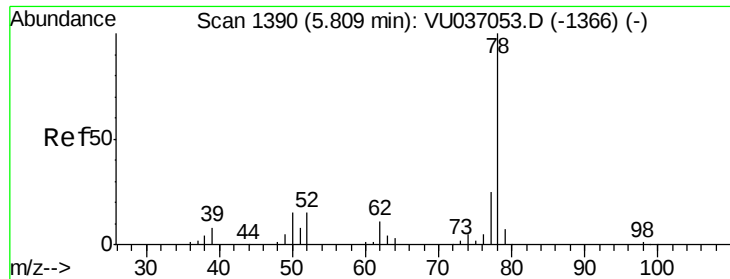
58 31.0 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#33

Benzene

Concen: 9.602 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU037067.D

Acq: 05 Mar 2020 03:12

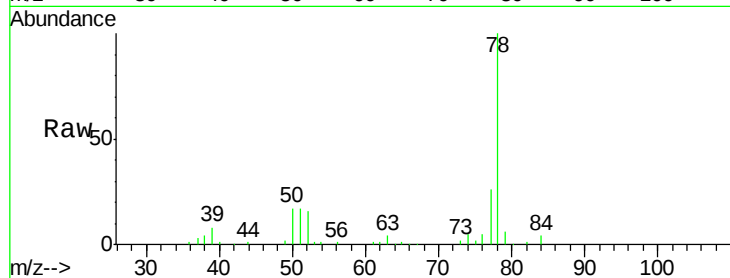
Instrument :

MSVOA_U

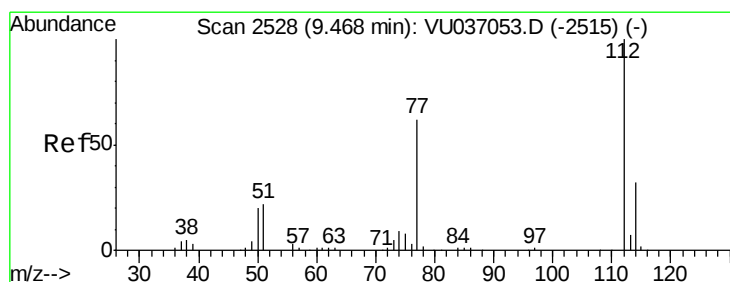
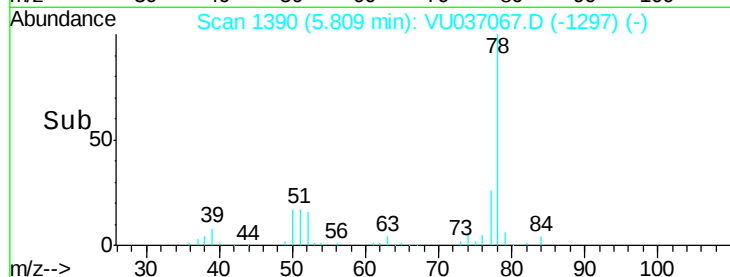
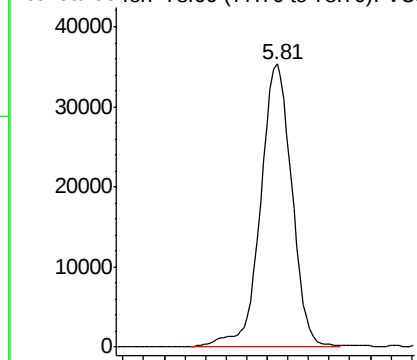
ClientSampleId :

C0DJ2

Tgt Ion: 78 Resp: 74526



Abundance Ion 78.00 (77.70 to 78.70): VU0



#51

Chlorobenzene

Concen: 18.798 ug/L

RT: 9.47 min Scan# 2528

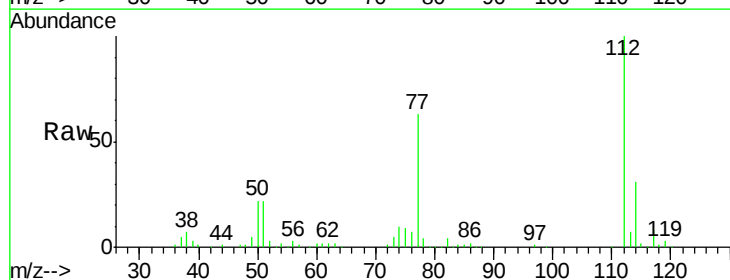
Delta R.T. 0.00 min

Lab File: VU037067.D

Acq: 05 Mar 2020 03:12

Tgt Ion: 112 Resp: 92104

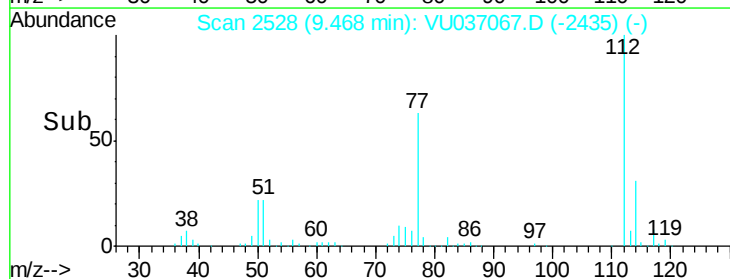
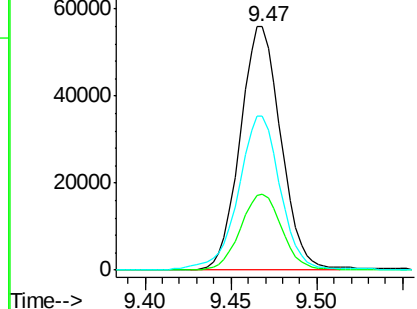
Ion	Ratio	Lower	Upper
112	100		
114	31.2	22.3	41.5
77	63.1	50.1	75.1

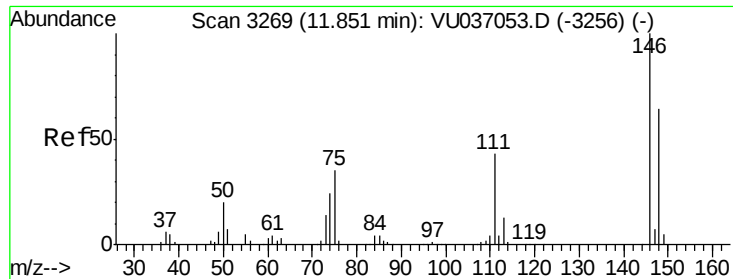


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#63

1,4-Dichlorobenzene

Concen: 15.948 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU037067.D

Acq: 05 Mar 2020 03:12

Instrument :

MSVOA_U

ClientSampleId :

C0DJ2

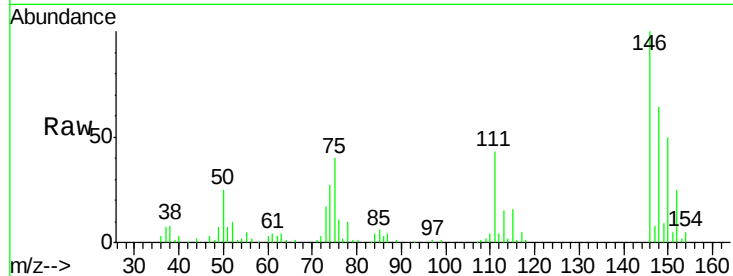
Tot Ion:146 Resp: 42605

Ion Ratio Lower Upper

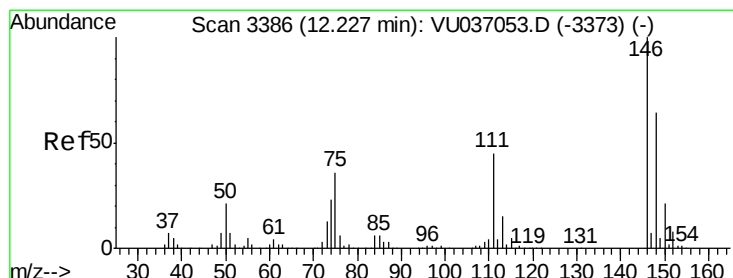
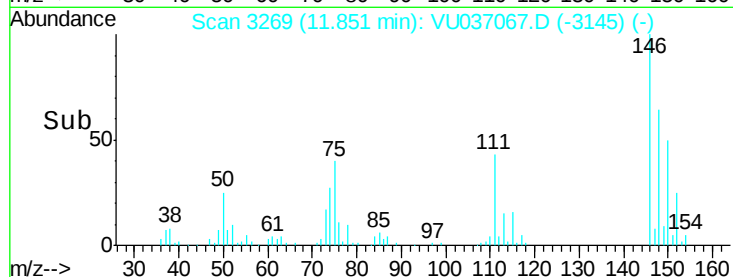
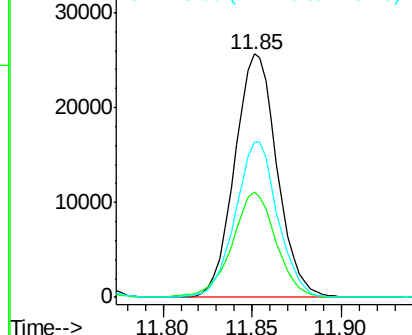
146 100

111 43.2 29.8 55.4

148 63.6 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: 8.551 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU037067.D

Acq: 05 Mar 2020 03:12

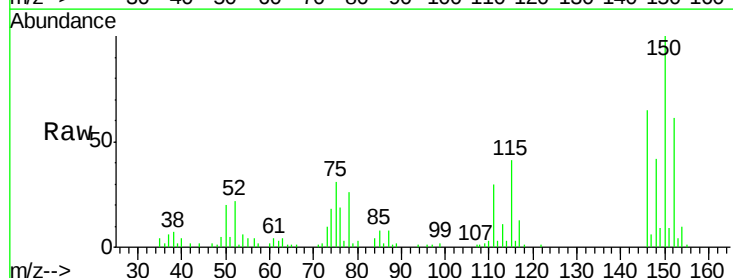
Tgt Ion:146 Resp: 23085

Ion Ratio Lower Upper

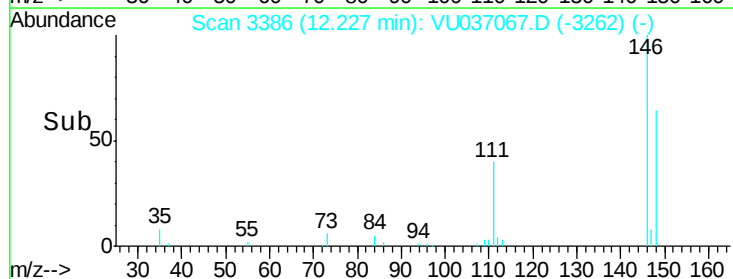
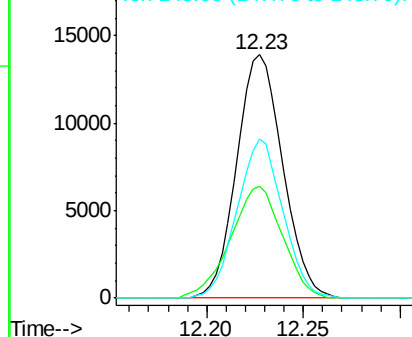
146 100

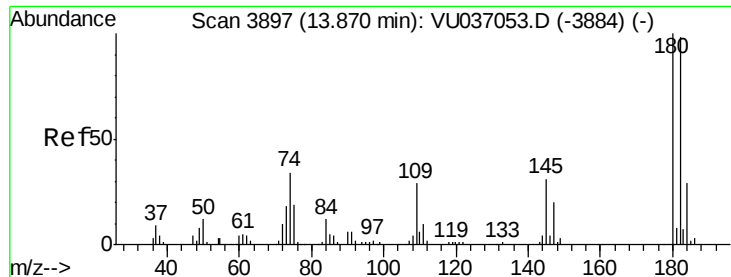
111 45.9 35.4 53.0

148 65.3 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





#68

1,2,4-trichlorobenzene

Concen: 1.663 ug/L

RT: 13.87 min Scan# 3897

Delta R.T. 0.00 min

Lab File: VU037067.D

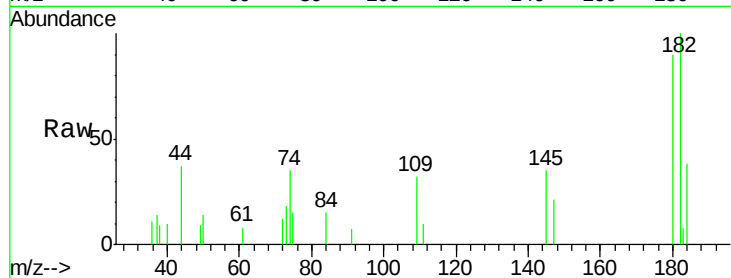
Acq: 05 Mar 2020 03:12

Instrument :

MSVOA_U

ClientSampleId :

C0DJ2



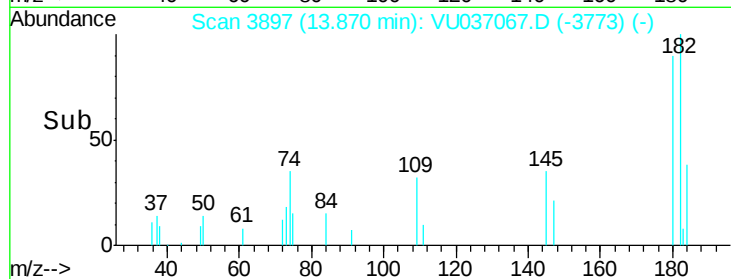
Tot Ion:180 Resp: 2138

Ion Ratio Lower Upper

180 100

182 109.6 75.3 112.9

145 33.9 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

