

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031620\
 Data File : VU037296.D
 Acq On : 16 Mar 2020 16:37
 Operator : JC/MD
 Sample : L1891-09MS
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DBER5MS

Quant Time: Mar 17 01:56:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR031620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Mar 17 01:33:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	137813	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	135363	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	61797	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	33425	4.65	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.00%
7) Chloroethane-d5	1.93	69	29671	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.40%
11) 1,1-Dichloroethene-d2	2.59	63	82689	5.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.80%
20) 2-Butanone-d5	4.68	46	112261	51.75	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.50%
24) Chloroform-d	5.10	84	76760	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	5.74	65	45374	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
32) Benzene-d6	5.76	84	138519	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
36) 1,2-Dichloropropane-d6	6.73	67	45659	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.00%
41) Toluene-d8	7.92	98	127164	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
43) trans-1,3-Dichloropropene-	8.20	79	19017	4.54	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.80%
46) 2-Hexanone-d5	8.66	63	92603	49.57	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.14%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	37884	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.80%
64) 1,2-Dichlorobenzene-d4	12.21	152	50936	5.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

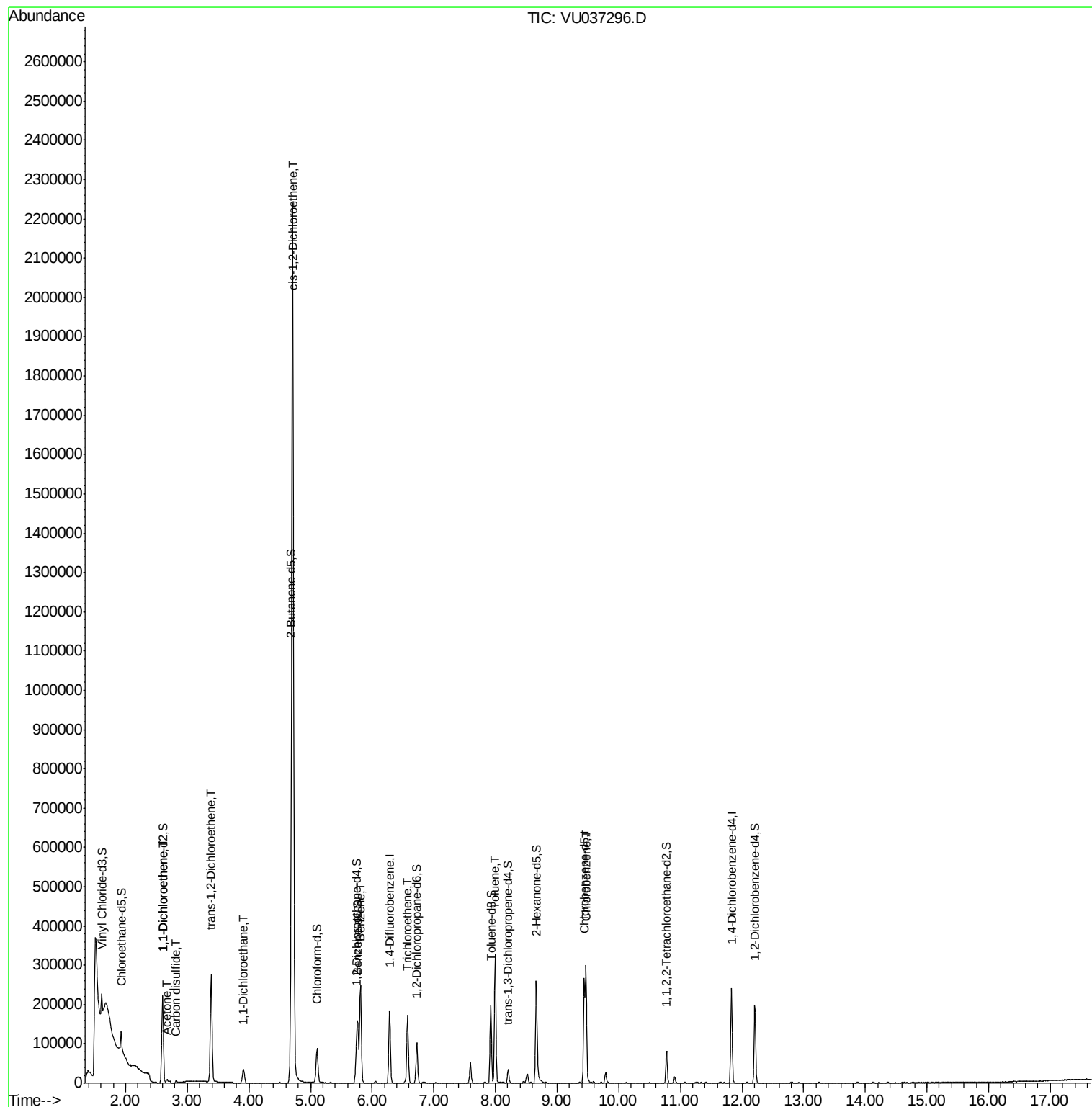
					Ovalue
12) 1,1-Dichloroethene	2.60	96	55900	6.327 ug/L	96
13) Acetone	2.67	43	4992	2.721 ug/L	89
14) Carbon disulfide	2.82	76	7846	0.276 ug/L	96
18) trans-1,2-Dichloroethene	3.39	96	107279	11.266 ug/L	99
19) 1,1-Dichloroethane	3.91	63	38568	2.011 ug/L	93
22) cis-1,2-Dichloroethene	4.71	96	1082450	102.466 ug/L	97
33) Benzene	5.81	78	221285	5.443 ug/L	100
34) Trichloroethene	6.57	95	56173	5.058 ug/L	98
42) Toluene	8.00	91	225934	5.155 ug/L	99
51) Chlorobenzene	9.47	112	144563	5.111 ug/L	97

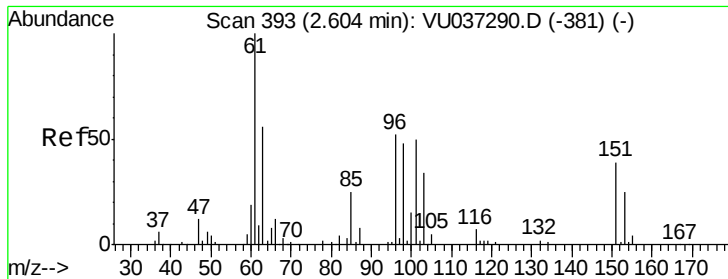
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Mar 17 01:33:31 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 6.327 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037296.D

Acq: 16 Mar 2020 16:37

Instrument :

MSVOA_U

ClientSampleId :

DBER5MS

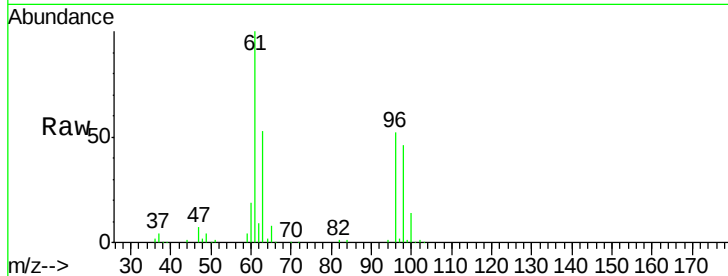
Tot Ion: 96 Resp: 55900

Ion Ratio Lower Upper

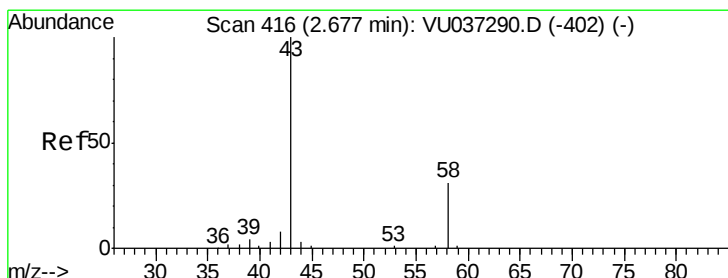
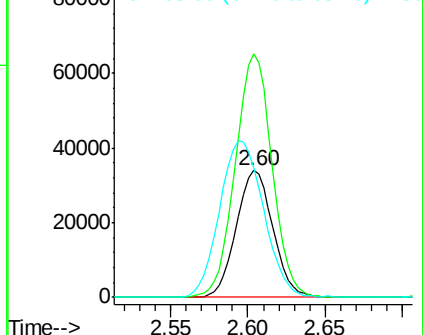
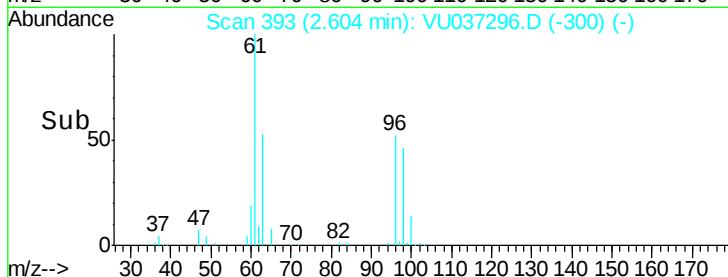
96 100

61 191.8 134.3 249.5

63 102.4 80.3 149.1



Abundance Ion 96.00 (95.70 to 96.70): VU037296.D (-300) (-)



#13

Acetone

Concen: 2.721 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.01 min

Lab File: VU037296.D

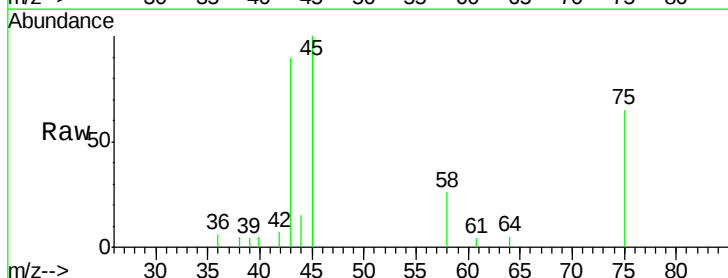
Acq: 16 Mar 2020 16:37

Tgt Ion: 43 Resp: 4992

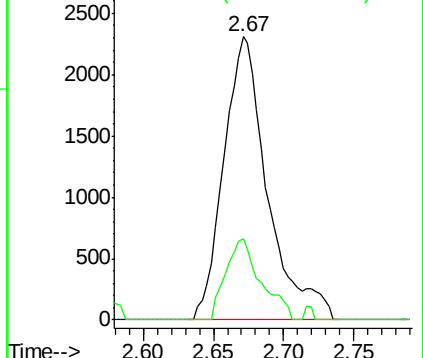
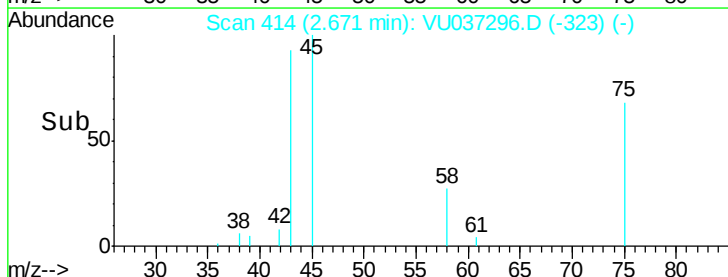
Ion Ratio Lower Upper

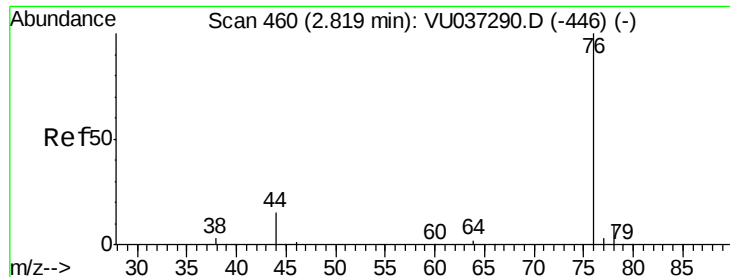
43 100

58 23.0 0.0 58.0



Abundance Ion 43.05 (42.75 to 43.75): VU037296.D (-323) (-)





#14

Carbon disulfide

Concen: 0.276 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU037296.D

Acq: 16 Mar 2020 16:37

Instrument :

MSVOA_U

ClientSampleId :

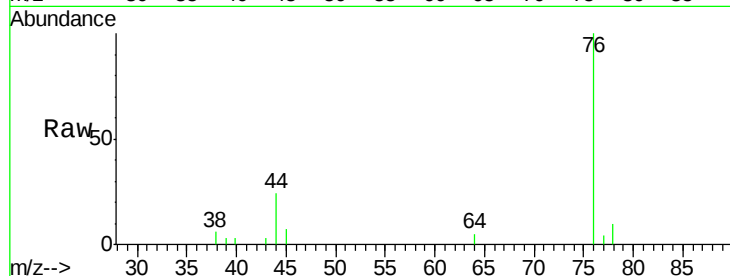
DBER5MS

Tot Ion: 76 Resp: 7846

Ion Ratio Lower Upper

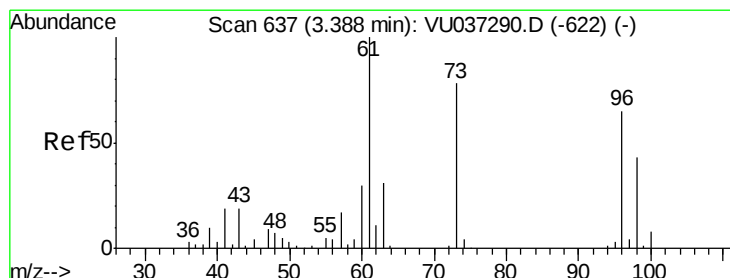
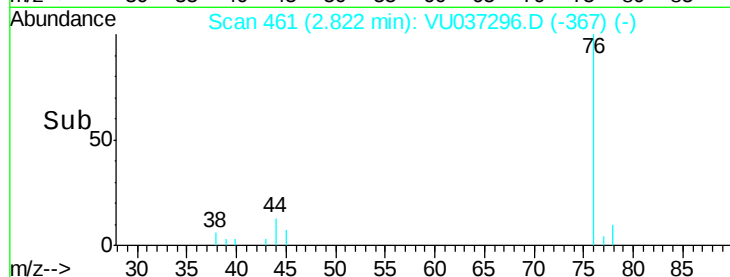
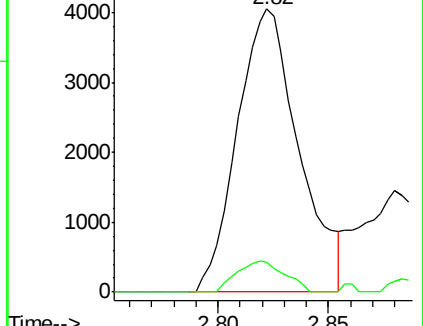
76 100

78 10.4 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU037296.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU037296.D (-446) (-)



#18

trans-1,2-Dichloroethene

Concen: 11.266 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU037296.D

Acq: 16 Mar 2020 16:37

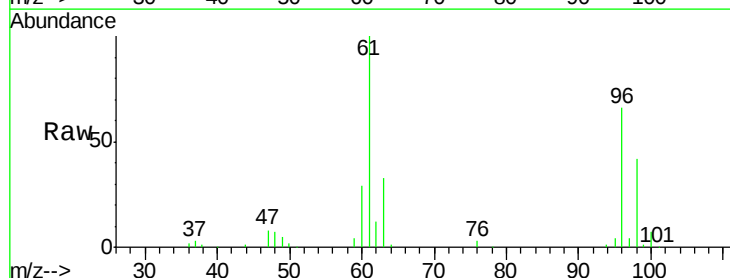
Tgt Ion: 96 Resp: 107279

Ion Ratio Lower Upper

96 100

61 152.4 107.5 199.7

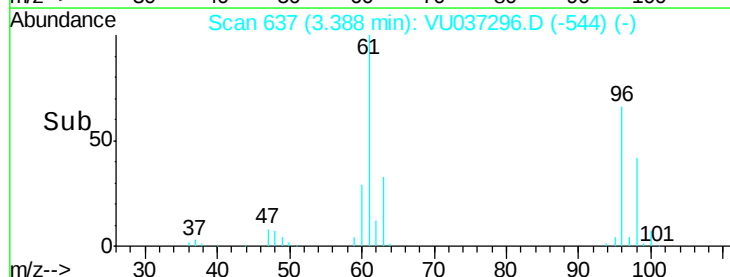
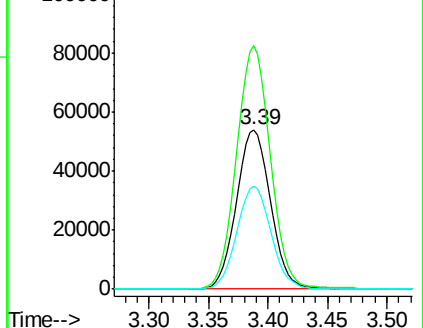
98 64.7 45.9 85.3

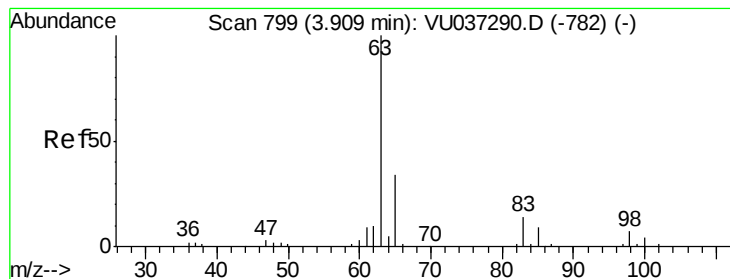


Abundance Ion 96.00 (95.70 to 96.70): VU037296.D (-622) (-)

Ion 61.05 (60.75 to 61.75): VU037296.D (-622) (-)

Ion 97.95 (97.65 to 98.65): VU037296.D (-622) (-)





#19

1,1-Dichloroethane

Concen: 2.011 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU037296.D

Acq: 16 Mar 2020 16:37

Instrument :

MSVOA_U

ClientSampleId :

DBER5MS

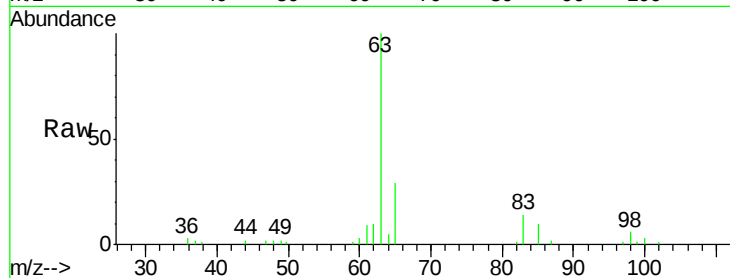
Tot Ion: 63 Resp: 38568

Ion Ratio Lower Upper

63 100

65 28.9 24.1 44.7

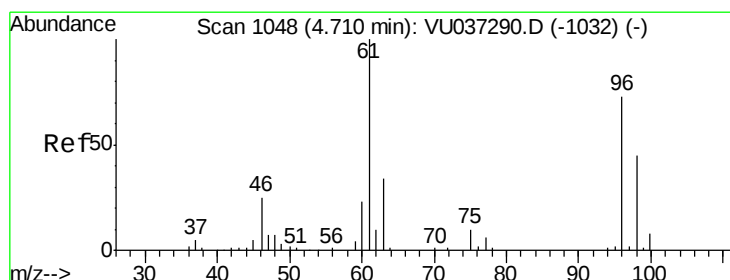
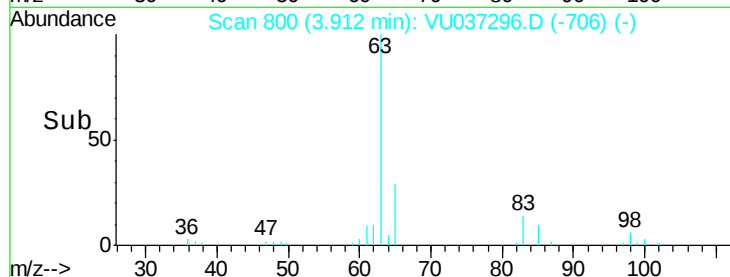
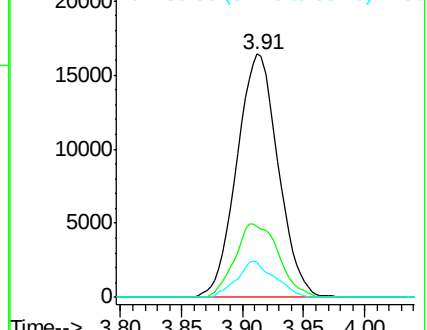
83 14.2 10.1 18.9



Abundance Ion 63.10 (62.80 to 63.80): VU037296.D (-782) (-)

Ion 65.10 (64.80 to 65.80): VU037296.D (-782) (-)

Ion 83.05 (82.75 to 83.75): VU037296.D (-782) (-)



#22

cis-1,2-Dichloroethene

Concen: 102.466 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU037296.D

Acq: 16 Mar 2020 16:37

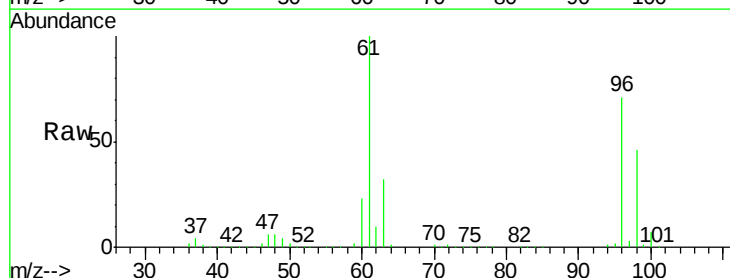
Tgt Ion: 96 Resp: 1082450

Ion Ratio Lower Upper

96 100

61 140.8 95.8 178.0

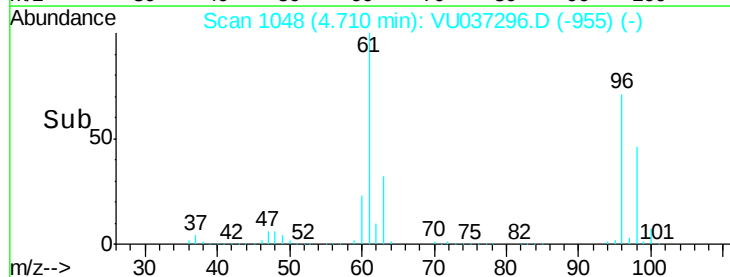
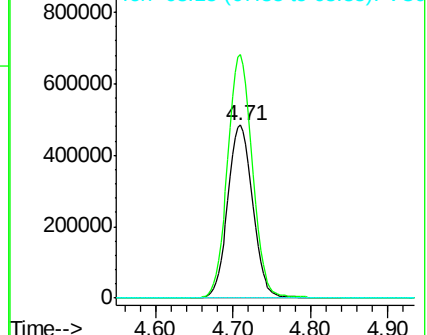
68 0.0 0.0 0.0

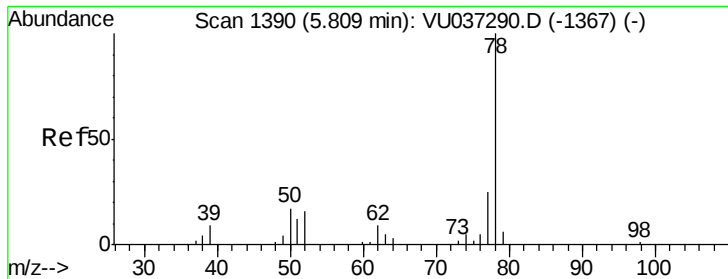


Abundance Ion 96.00 (95.70 to 96.70): VU037296.D (-1032) (-)

Ion 61.05 (60.75 to 61.75): VU037296.D (-1032) (-)

Ion 68.15 (67.85 to 68.85): VU037296.D (-1032) (-)





#33

Benzene

Concen: 5.443 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU037296.D

Acq: 16 Mar 2020 16:37

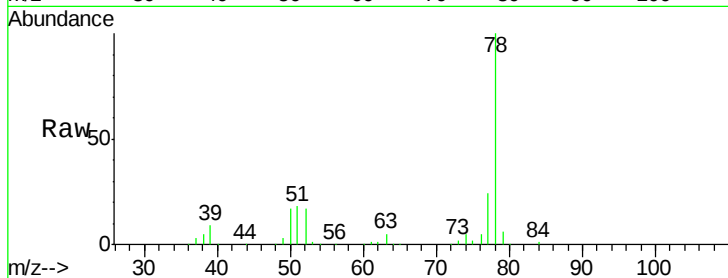
Instrument :

MSVOA_U

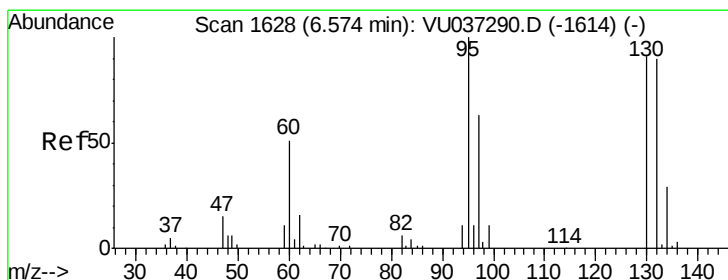
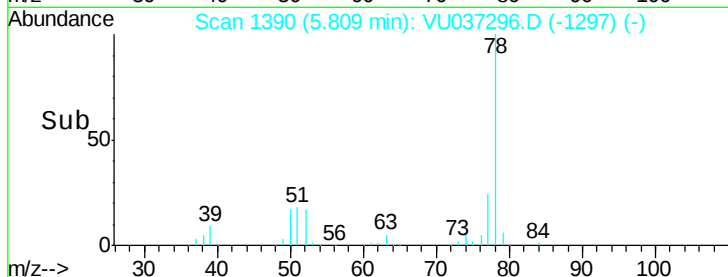
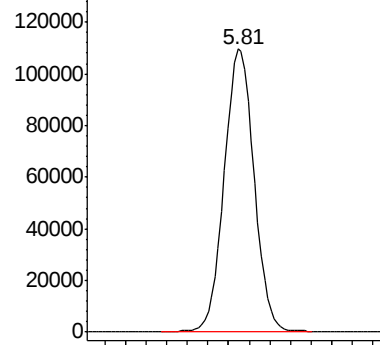
ClientSampleId :

DBER5MS

Tgt Ion: 78 Resp: 221285



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 5.058 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU037296.D

Acq: 16 Mar 2020 16:37

Tgt Ion: 95 Resp: 56173

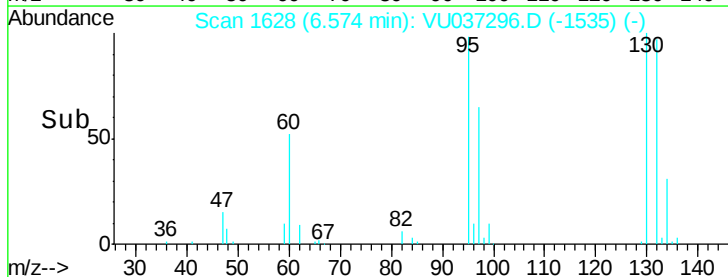
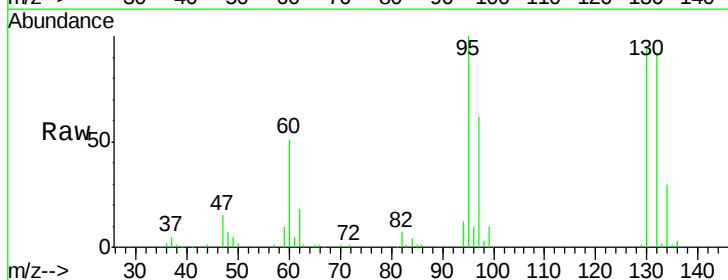
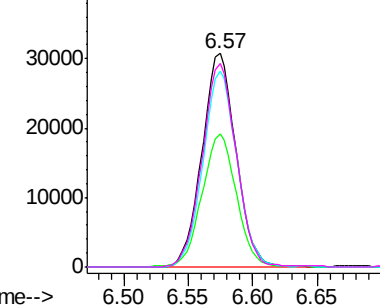
Ion	Ratio	Lower	Upper
95	100		
97	62.2	44.3	82.3
132	91.8	63.2	117.4
130	95.1	64.0	119.0

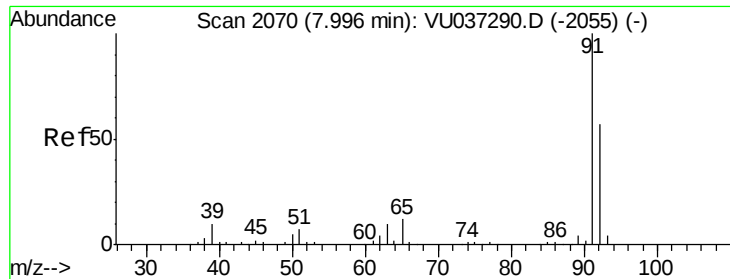
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V





#42

Toluene

Concen: 5.155 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037296.D

Acq: 16 Mar 2020 16:37

Instrument :

MSVOA_U

ClientSampleId :

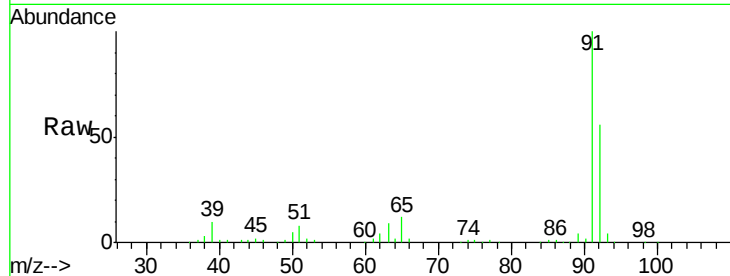
DBER5MS

Tot Ion: 91 Resp: 225934

Ion Ratio Lower Upper

91 100

92 56.3 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

8.00

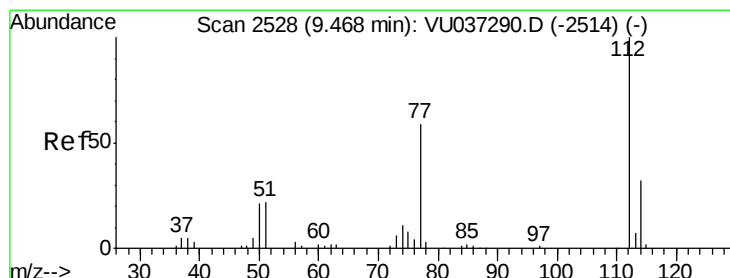
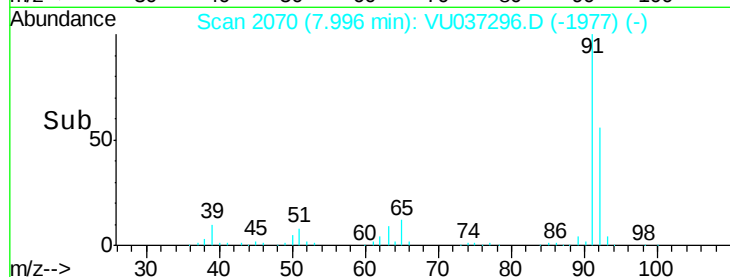
150000

100000

50000

0

Time-->



#51

Chlorobenzene

Concen: 5.111 ug/L

RT: 9.47 min Scan# 2528

Delta R.T. 0.00 min

Lab File: VU037296.D

Acq: 16 Mar 2020 16:37

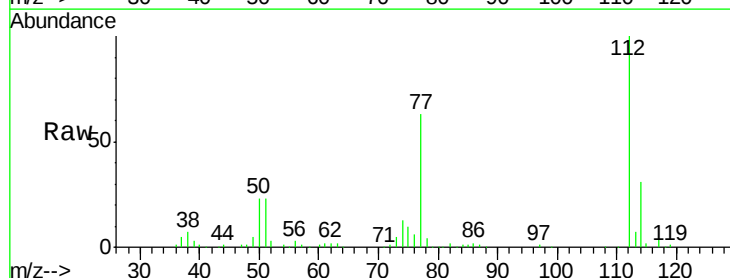
Tgt Ion: 112 Resp: 144563

Ion Ratio Lower Upper

112 100

114 31.1 22.1 41.1

77 63.0 47.8 71.6



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0

9.47

120000

100000

80000

60000

40000

20000

0

Time-->

