

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102419\
 Data File : VU035463.D
 Acq On : 24 Oct 2019 16:55
 Operator : JC/SP
 Sample : K5488-20DL 4X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G28DL

Quant Time: Nov 06 04:02:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 25 07:04:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	223099	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	227539	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	65008	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	47938	3.52	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.40%
7) Chloroethane-d5	1.93	69	52452	4.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.40%
11) 1,1-Dichloroethene-d2	2.60	63	67237	2.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	53.40%#
20) 2-Butanone-d5	4.71	46	227854	58.29	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.58%
24) Chloroform-d	5.12	84	119449	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
26) 1,2-Dichloroethane-d4	5.75	65	70344	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
32) Benzene-d6	5.77	84	206226	3.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.20%
36) 1,2-Dichloropropane-d6	6.74	67	77660	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	7.93	98	155993	3.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	62.60%#
43) trans-1,3-Dichloropropene-	8.22	79	26568	3.31	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	66.20%
46) 2-Hexanone-d5	8.68	63	142766	40.37	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.74%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	72841	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	50991	4.31	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.20%

Target Compounds

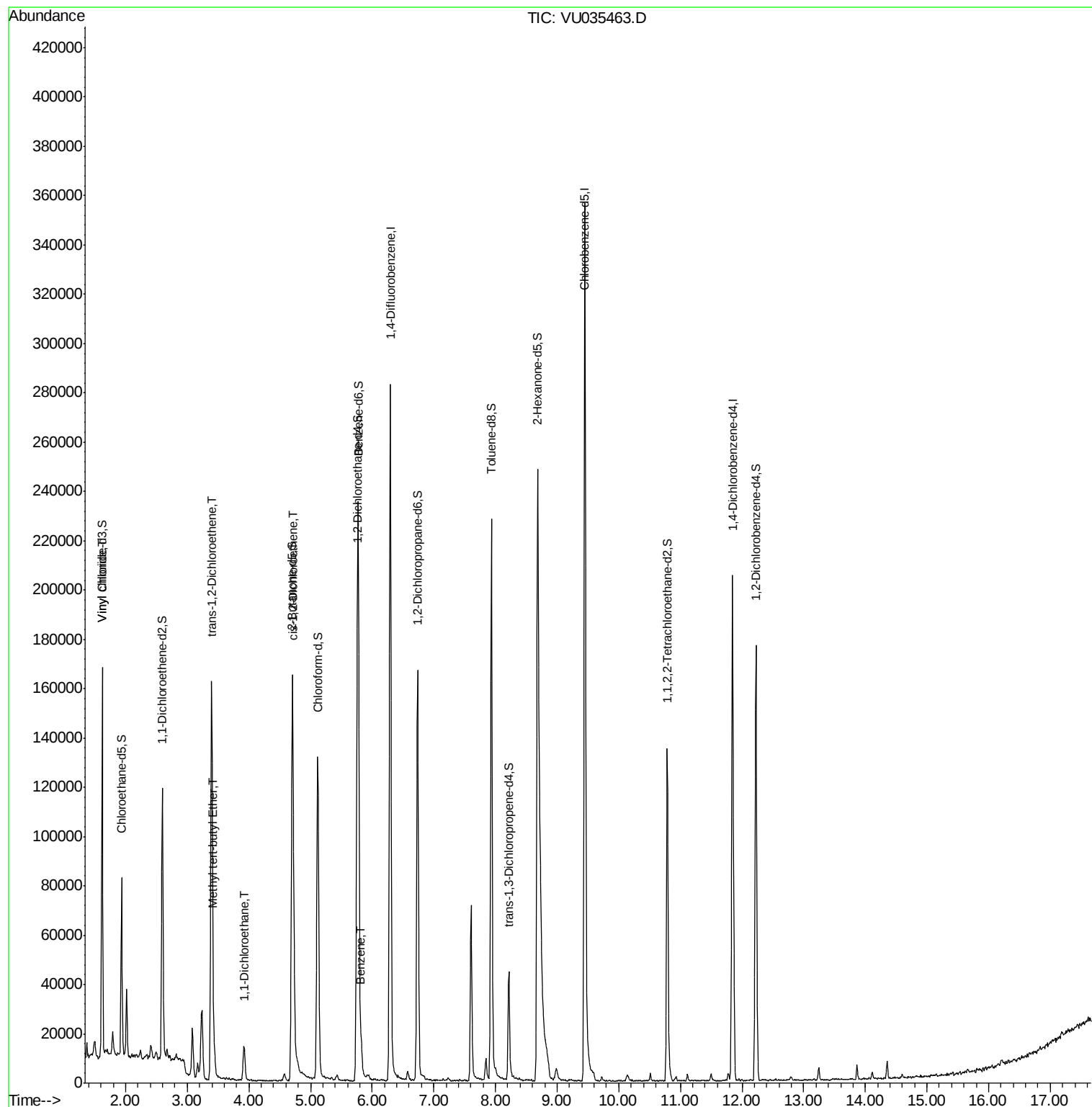
					Ovalue
5) Vinyl chloride	1.62	62	59155	3.058	ug/L 92
17) Methyl tert-butyl Ether	3.43	73	13251	0.344	ug/L 96
18) trans-1,2-Dichloroethene	3.39	96	68628	4.437	ug/L 94
19) 1,1-Dichloroethane	3.92	63	16222	0.580	ug/L 96
22) cis-1,2-Dichloroethene	4.72	96	4887	0.286	ug/L 96
33) Benzene	5.82	78	11934	0.178	ug/L 100

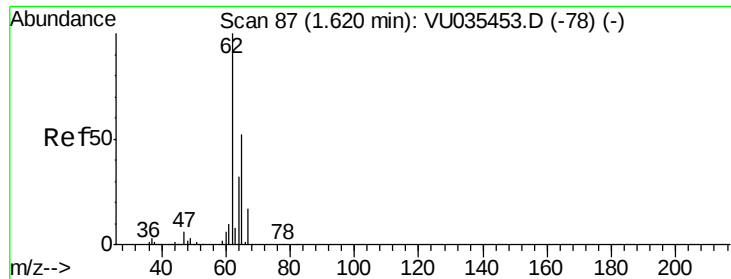
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 25 07:04:30 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 3.058 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035463.D

Acq: 24 Oct 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

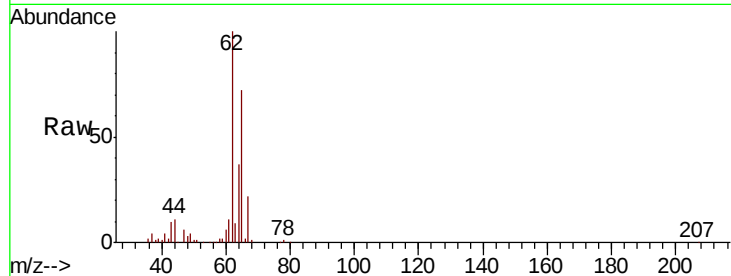
H0G28DL

Tot Ion: 62 Resp: 59155

Ion Ratio Lower Upper

62 100

64 37.0 22.9 42.5

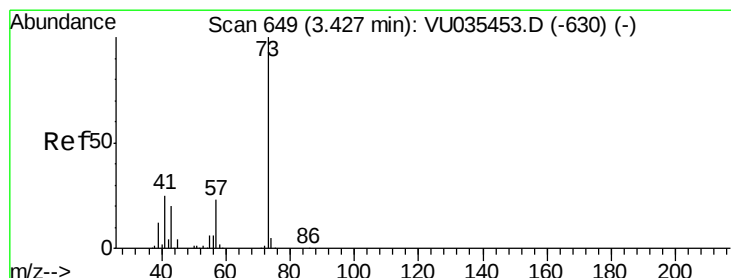
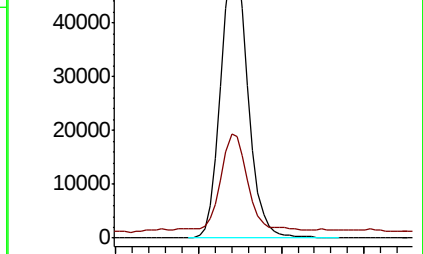
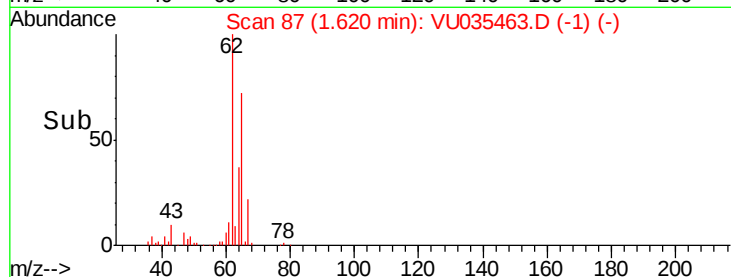


Abundance Ion 62.00 (61.70 to 62.70): VU035463.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU035463.D (-1) (-)

1.62

Time--> 1.55 1.60 1.65 1.70



#17

Methyl tert-butyl Ether

Concen: 0.344 ug/L

RT: 3.43 min Scan# 649

Delta R.T. 0.00 min

Lab File: VU035463.D

Acq: 24 Oct 2019 16:55

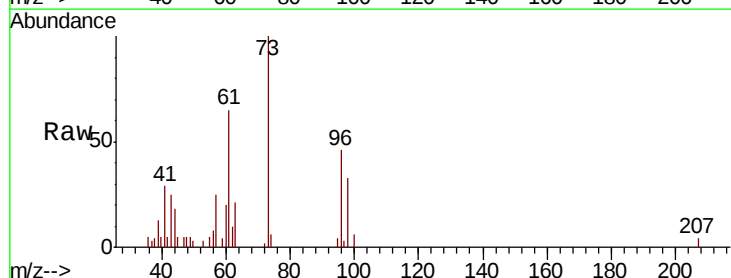
Tgt Ion: 73 Resp: 13251

Ion Ratio Lower Upper

73 100

43 21.1 16.0 24.0

57 19.3 17.4 26.2



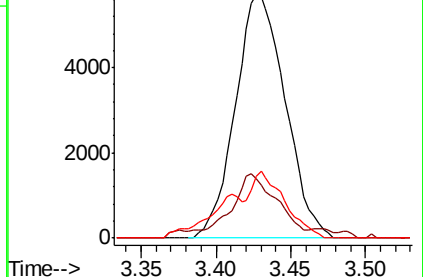
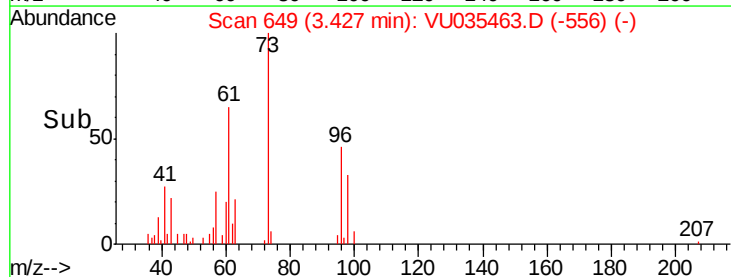
Abundance Ion 73.10 (72.80 to 73.80): VU035463.D (-556) (-)

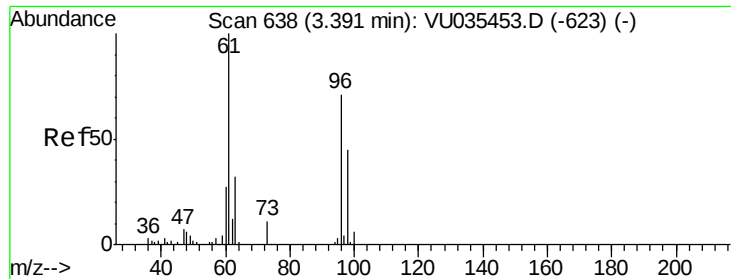
Ion 43.05 (42.75 to 43.75): VU035463.D (-556) (-)

Ion 57.10 (56.80 to 57.80): VU035463.D (-556) (-)

3.43

Time--> 3.35 3.40 3.45 3.50

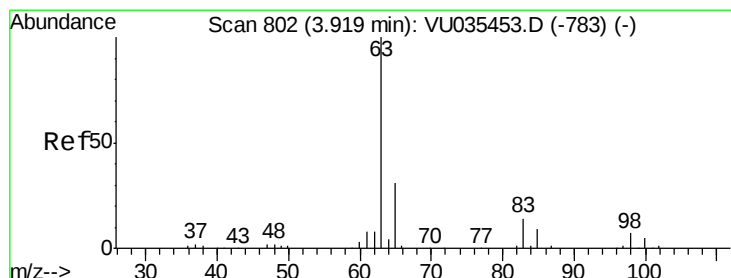
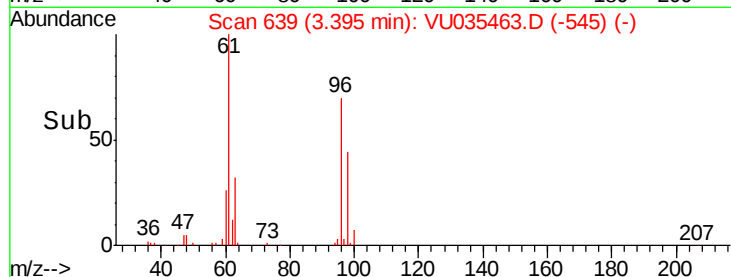
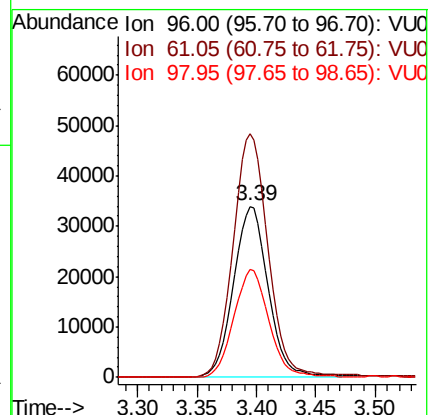
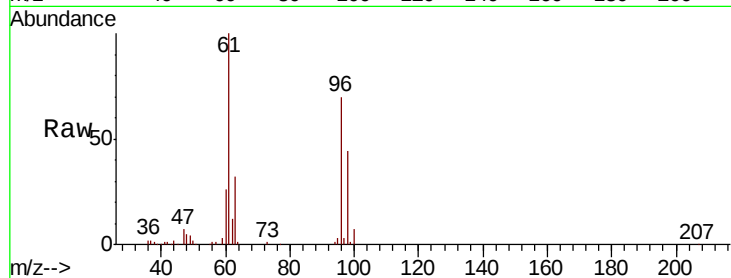




#18
trans-1,2-Dichloroethene
Concen: 4.437 ug/L
RT: 3.39 min Scan# 639
Delta R.T. 0.00 min
Lab File: VU035463.D
Acq: 24 Oct 2019 16:55

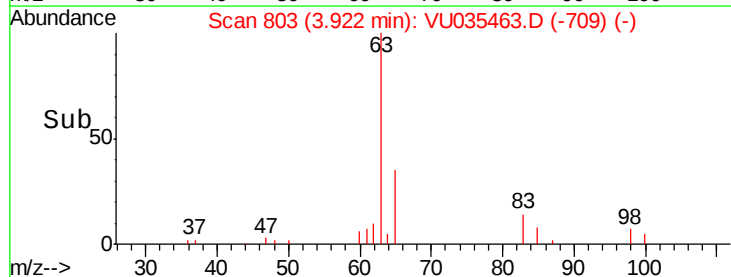
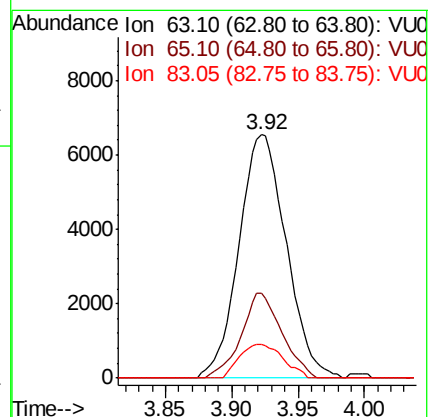
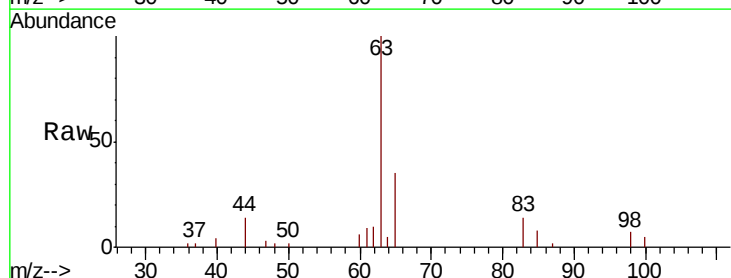
Instrument :
MSVOA_U
ClientSampleId :
H0G28DL

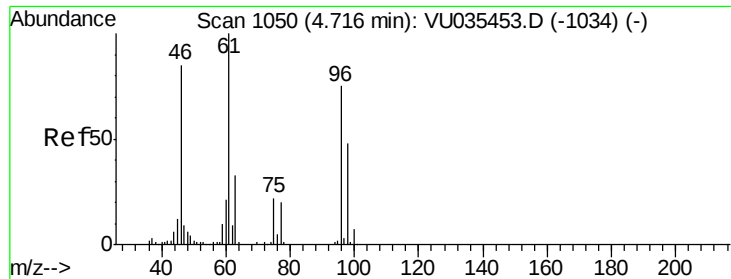
Tot Ion: 96 Resp: 68628
Ion Ratio Lower Upper
96 100
61 142.5 93.0 172.6
98 62.9 43.7 81.1



#19
1,1-Dichloroethane
Concen: 0.580 ug/L
RT: 3.92 min Scan# 803
Delta R.T. 0.00 min
Lab File: VU035463.D
Acq: 24 Oct 2019 16:55

Tgt Ion: 63 Resp: 16222
Ion Ratio Lower Upper
63 100
65 34.9 22.4 41.6
83 13.8 9.3 17.3





#22

cis-1,2-Dichloroethene

Concen: 0.286 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035463.D

Acq: 24 Oct 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

H0G28DL

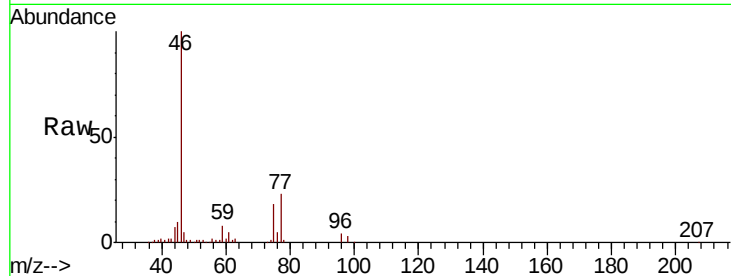
Tot Ion: 96 Resp: 4887

Ion Ratio Lower Upper

96 100

61 133.0 89.7 166.5

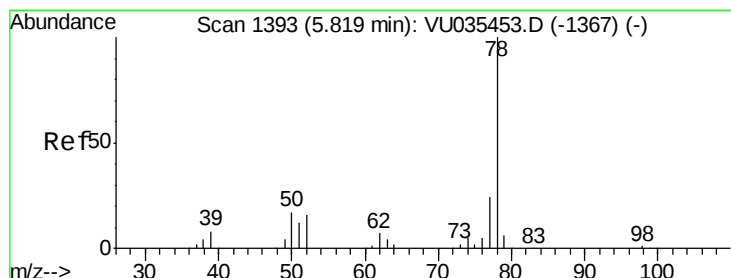
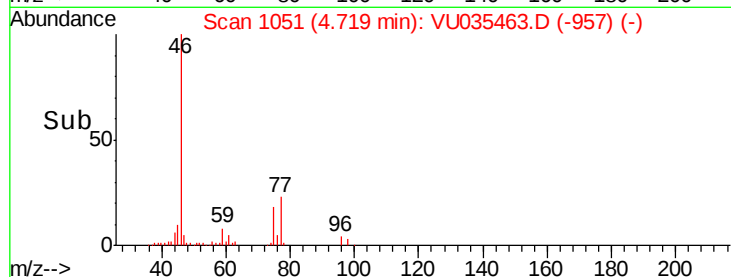
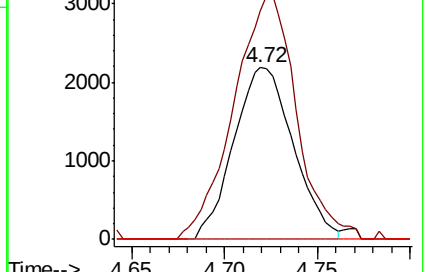
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035453.D (-1034) (-)

Ion 61.05 (60.75 to 61.75): VU035453.D (-1034) (-)

Ion 68.15 (67.85 to 68.85): VU035453.D (-1034) (-)



#33

Benzene

Concen: 0.178 ug/L

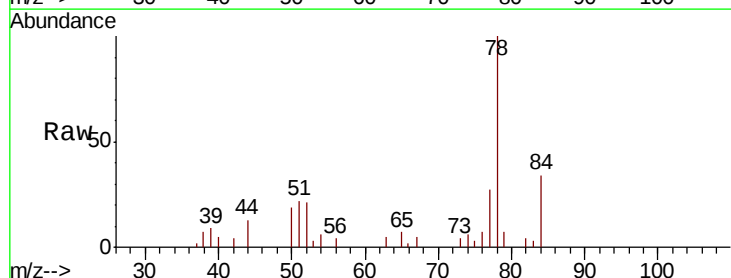
RT: 5.82 min Scan# 1394

Delta R.T. 0.00 min

Lab File: VU035463.D

Acq: 24 Oct 2019 16:55

Tgt Ion: 78 Resp: 11934



Abundance Ion 78.10 (77.80 to 78.80): VU035453.D (-1367) (-)

Ion 78.10 (77.80 to 78.80): VU035453.D (-1367) (-)

Ion 84.10 (83.80 to 84.80): VU035453.D (-1367) (-)

