

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102319\
 Data File : VU035404.D
 Acq On : 23 Oct 2019 12:34
 Operator : JC/SP
 Sample : K5461-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G02

Quant Time: Oct 23 17:44:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 23 17:16:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	231982	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	235401	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	75711	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	63645	4.50	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.00%
7) Chloroethane-d5	1.94	69	67937	5.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.00%
11) 1,1-Dichloroethene-d2	2.59	63	95298	3.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.80%
20) 2-Butanone-d5	4.70	46	235872	58.03	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.06%
24) Chloroform-d	5.11	84	140041	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.40%
26) 1,2-Dichloroethane-d4	5.75	65	84624	5.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	118.20%
32) Benzene-d6	5.77	84	273836	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
36) 1,2-Dichloropropane-d6	6.74	67	97829	5.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	114.40%
41) Toluene-d8	7.93	98	230607	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
43) trans-1,3-Dichloropropene-	8.22	79	34877	4.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.00%
46) 2-Hexanone-d5	8.70	63	167382	45.75	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.50%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	85298	5.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	73653	5.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.80%

Target Compounds

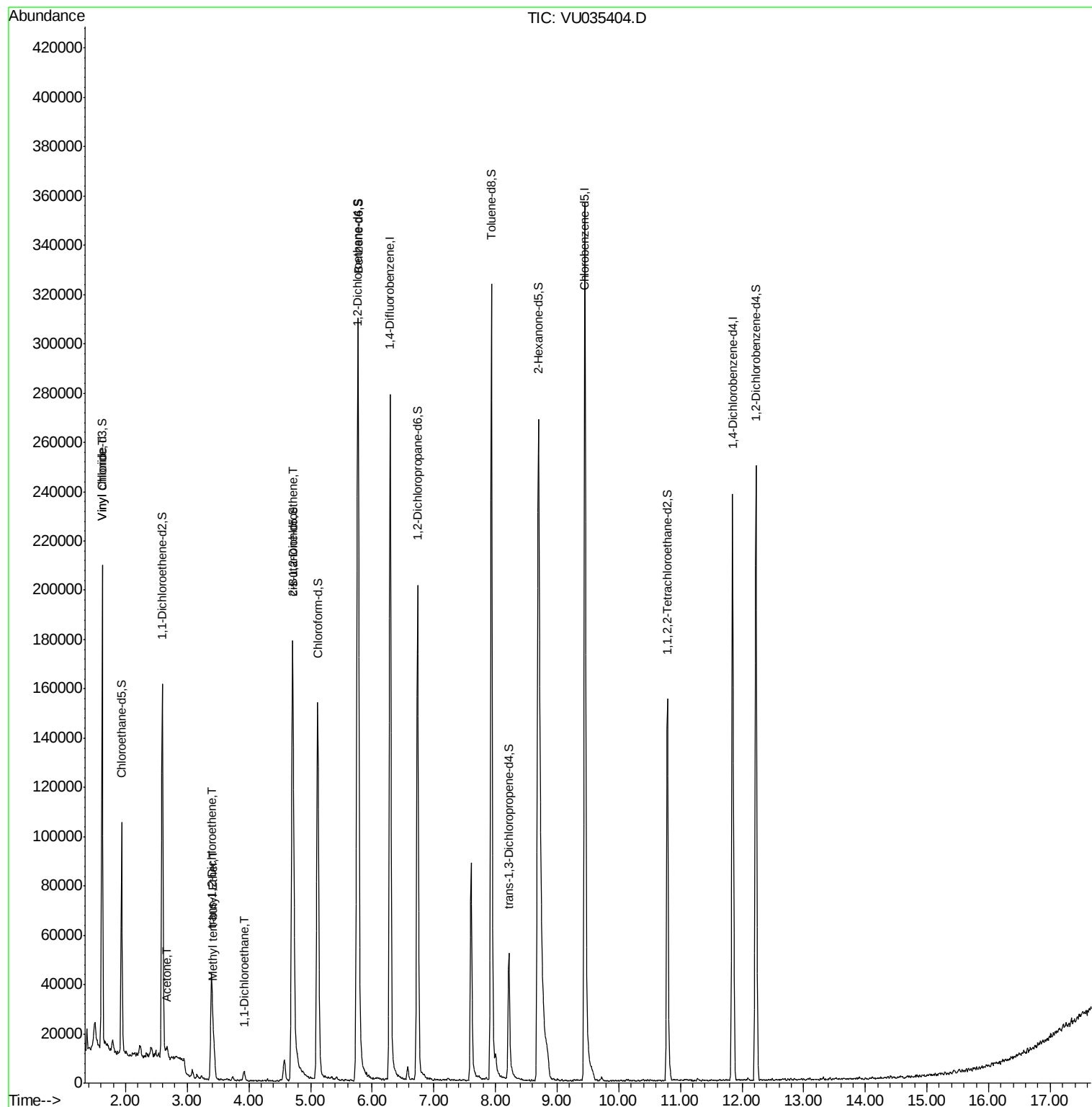
					Ovalue
5) Vinyl chloride	1.62	62	77727	3.864 ug/L	96
13) Acetone	2.67	43	2914	1.031 ug/L	91
17) Methyl tert-butyl Ether	3.43	73	17460	0.435 ug/L	97
18) trans-1,2-Dichloroethene	3.39	96	18104	1.126 ug/L	91
19) 1,1-Dichloroethane	3.92	63	4652	0.160 ug/L	98
22) cis-1,2-Dichloroethene	4.72	96	29485	1.659 ug/L	93

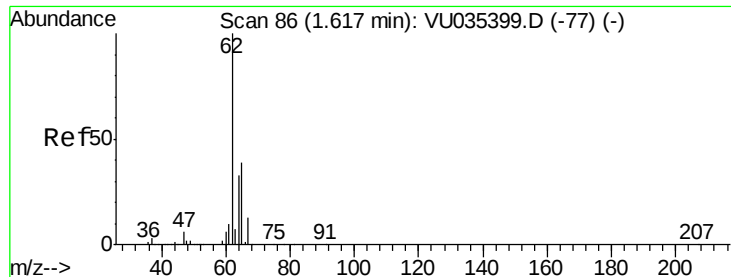
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 3.864 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VU035404.D

Acq: 23 Oct 2019 12:34

Instrument :

MSVOA_U

ClientSampleId :

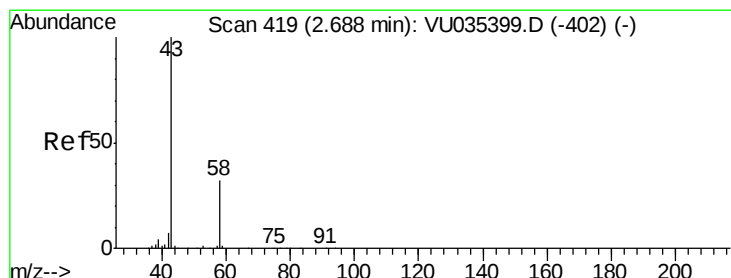
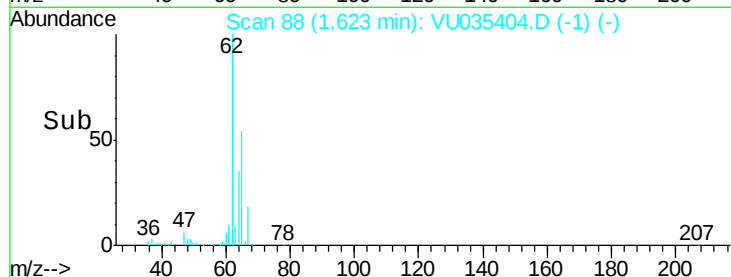
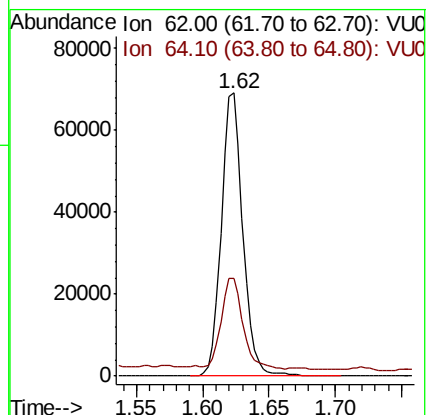
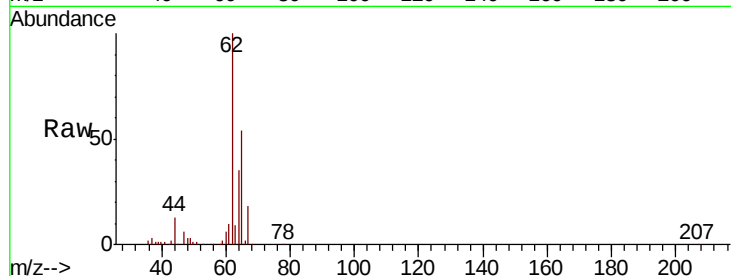
H0G02

Tot Ion: 62 Resp: 77727

Ion Ratio Lower Upper

62 100

64 34.7 22.9 42.5



#13

Acetone

Concen: 1.031 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU035404.D

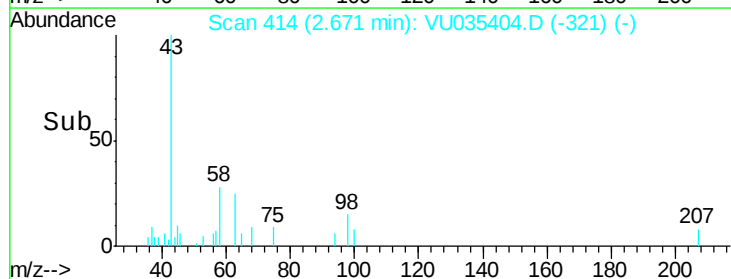
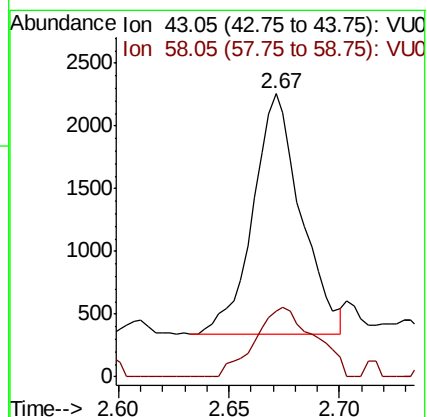
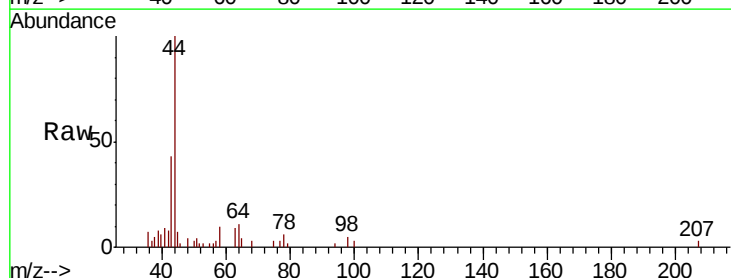
Acq: 23 Oct 2019 12:34

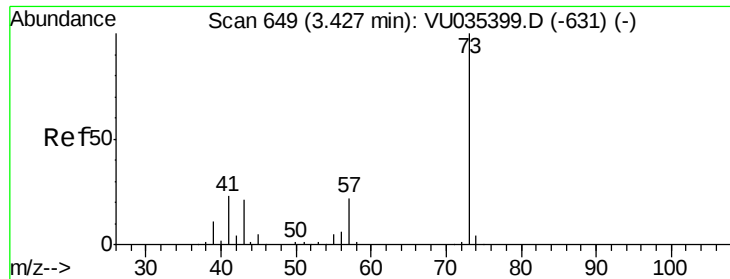
Tgt Ion: 43 Resp: 2914

Ion Ratio Lower Upper

43 100

58 35.7 0.0 61.8

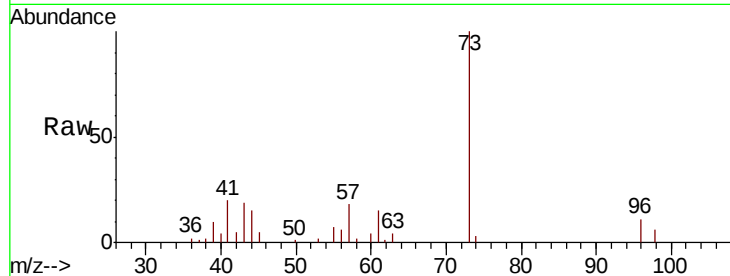




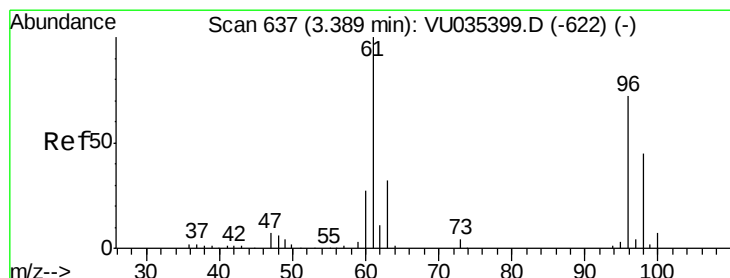
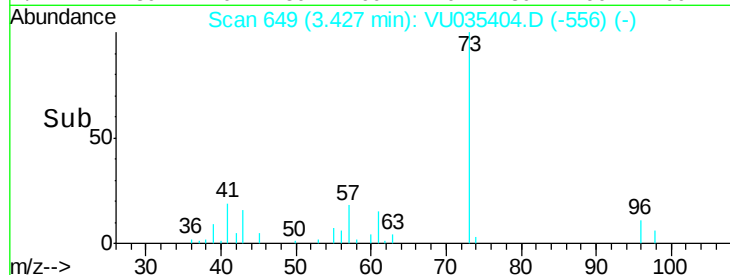
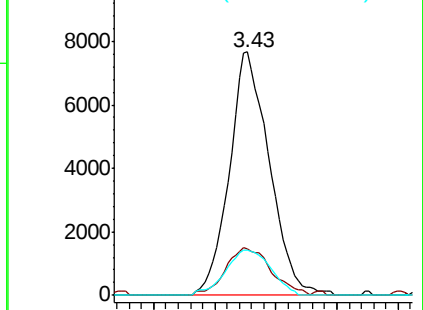
#17
Methvl tert-butvl Ether
Concen: 0.435 ug/L
RT: 3.43 min Scan# 649
Delta R.T. 0.00 min
Lab File: VU035404.D
Acq: 23 Oct 2019 12:34

Instrument :
MSVOA_U
ClientSampleId :
H0G02

Tot Ion: 73 Resp: 17460
Ion Ratio Lower Upper
73 100
43 22.2 16.0 24.0
57 21.0 17.4 26.2

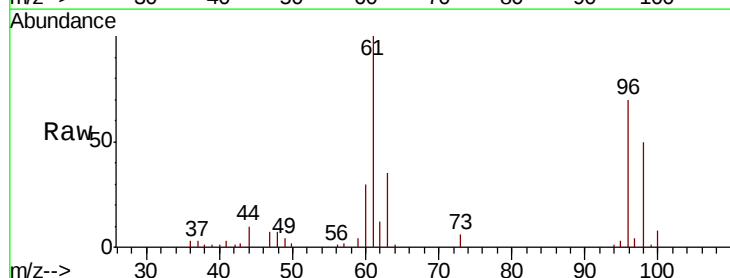


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

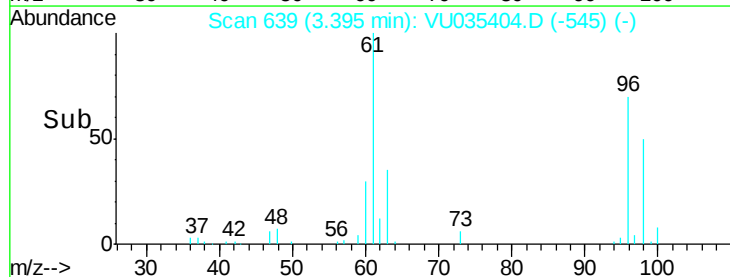
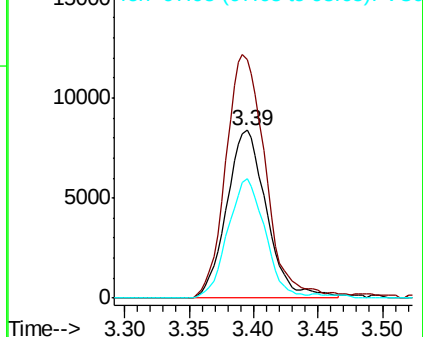


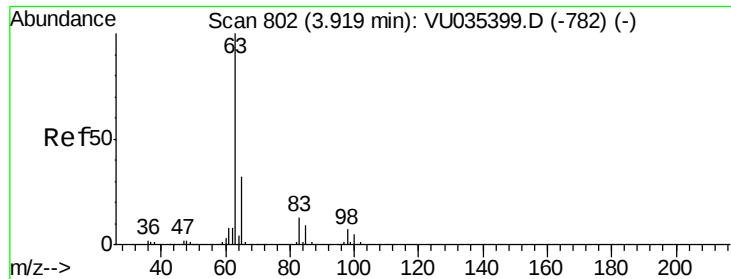
#18
trans-1,2-Dichloroethene
Concen: 1.126 ug/L
RT: 3.39 min Scan# 639
Delta R.T. 0.00 min
Lab File: VU035404.D
Acq: 23 Oct 2019 12:34

Tgt Ion: 96 Resp: 18104
Ion Ratio Lower Upper
96 100
61 142.1 93.0 172.6
98 71.3 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 0.160 ug/L

RT: 3.92 min Scan# 801

Delta R.T. -0.00 min

Lab File: VU035404.D

Acq: 23 Oct 2019 12:34

Instrument :

MSVOA_U

ClientSampleId :

H0G02

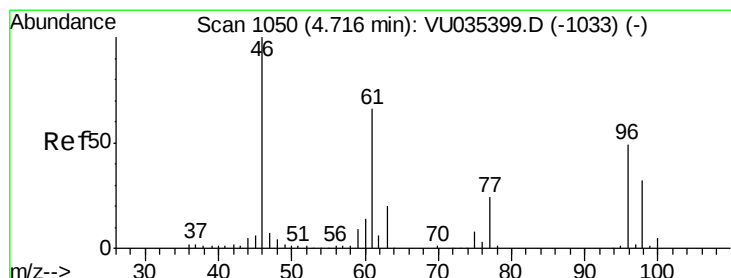
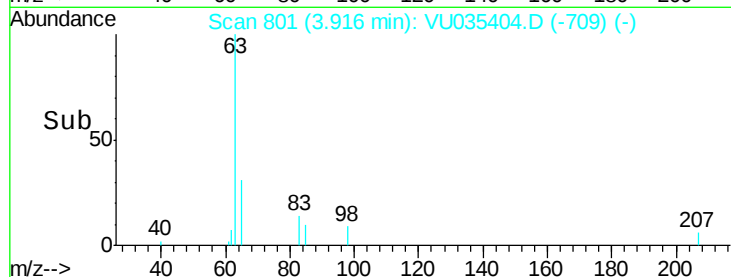
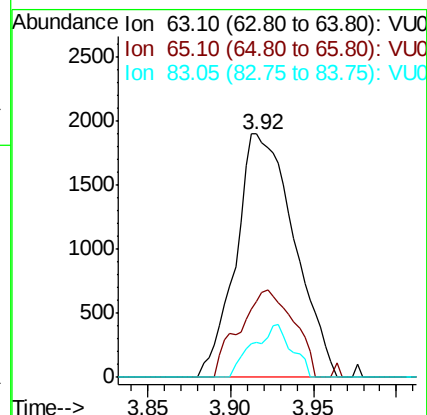
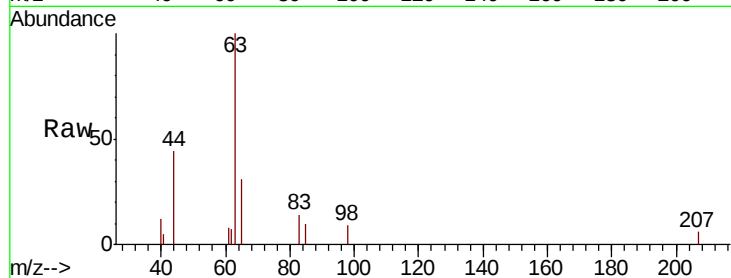
Tot Ion: 63 Resp: 4652

Ion Ratio Lower Upper

63 100

65 31.3 22.4 41.6

83 14.3 9.3 17.3



#22

cis-1,2-Dichloroethene

Concen: 1.659 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035404.D

Acq: 23 Oct 2019 12:34

Tgt Ion: 96 Resp: 29485

Ion Ratio Lower Upper

96 100

61 136.7 89.7 166.5

68 0.0 0.0 0.0

