

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102319\
 Data File : VU035416.D
 Acq On : 23 Oct 2019 18:00
 Operator : JC/SP
 Sample : K5461-02DL 20X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G00DL

Quant Time: Oct 24 06:31:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 24 05:20:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	248701	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	254898	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	83533	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	63490	4.19	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.80%
7) Chloroethane-d5	1.93	69	65829	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.59	63	91707	3.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.40%
20) 2-Butanone-d5	4.70	46	227995	52.32	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.64%
24) Chloroform-d	5.11	84	140498	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
26) 1,2-Dichloroethane-d4	5.75	65	80106	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
32) Benzene-d6	5.77	84	265731	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
36) 1,2-Dichloropropane-d6	6.74	67	93701	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.20%
41) Toluene-d8	7.93	98	222577	3.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.80%
43) trans-1,3-Dichloropropene-	8.22	79	33436	3.72	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.40%
46) 2-Hexanone-d5	8.69	63	153925	38.86	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.72%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	81440	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	71933	4.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

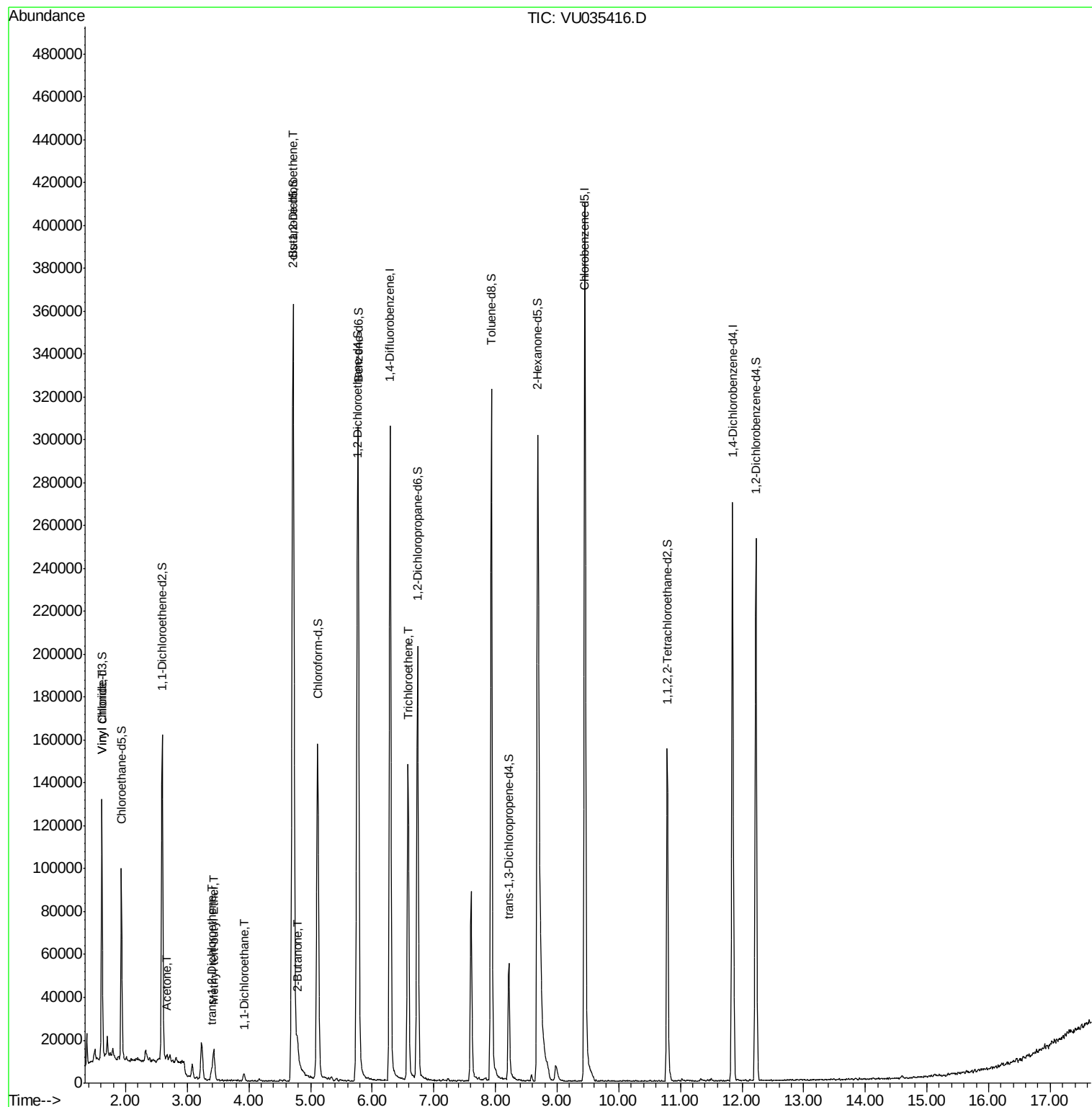
					Ovalue
5) Vinyl chloride	1.62	62	23304	1.081 ug/L #	77
13) Acetone	2.67	43	2808	0.926 ug/L	97
17) Methyl tert-butyl Ether	3.43	73	14819	0.345 ug/L #	94
18) trans-1,2-Dichloroethene	3.39	96	1827	0.106 ug/L	91
19) 1,1-Dichloroethane	3.92	63	4142	0.133 ug/L	91
21) 2-Butanone	4.79	43	12810	2.593 ug/L	98
22) cis-1,2-Dichloroethene	4.72	96	125463	6.583 ug/L	95
34) Trichloroethene	6.58	95	50505	2.505 ug/L	96

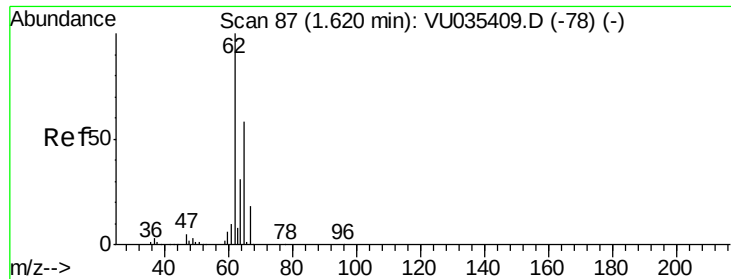
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 24 05:20:56 2019
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#5

Vinyl chloride

Concen: 1.081 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU035416.D

Acq: 23 Oct 2019 18:00

Instrument :

MSVOA_U

ClientSampleId :

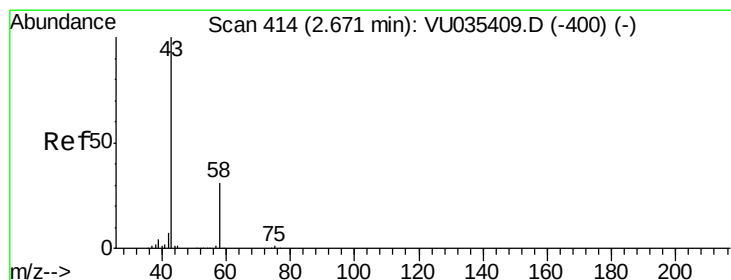
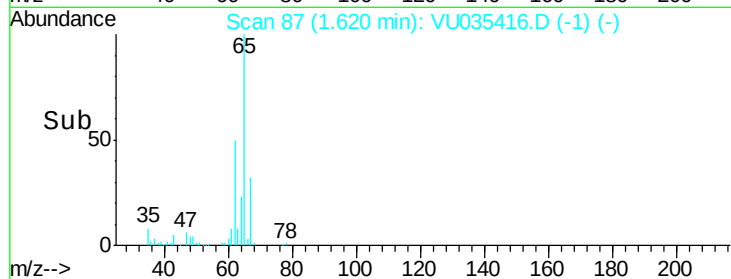
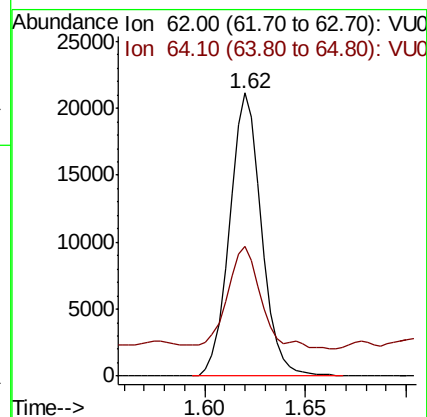
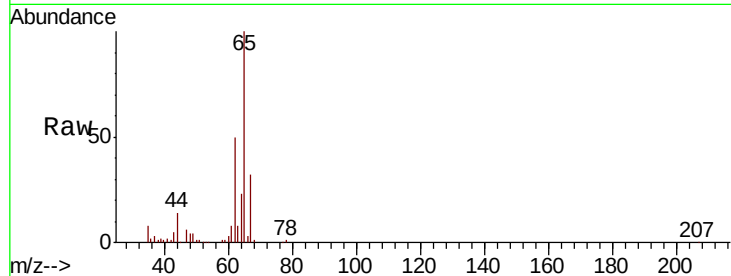
H0G00DL

Tot Ion: 62 Resp: 23304

Ion Ratio Lower Upper

62 100

64 45.9 22.9 42.5#



#13

Acetone

Concen: 0.926 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.00 min

Lab File: VU035416.D

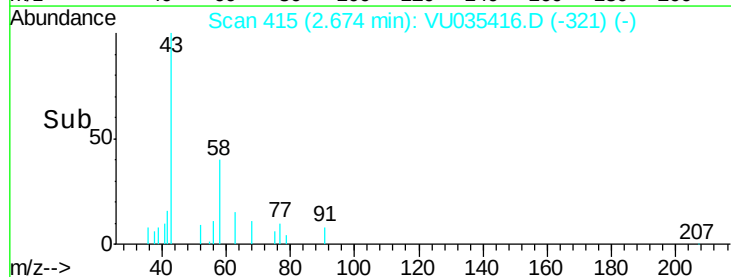
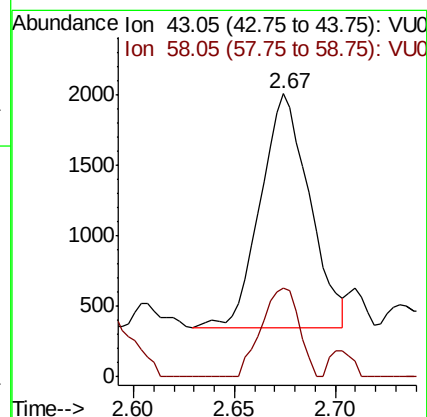
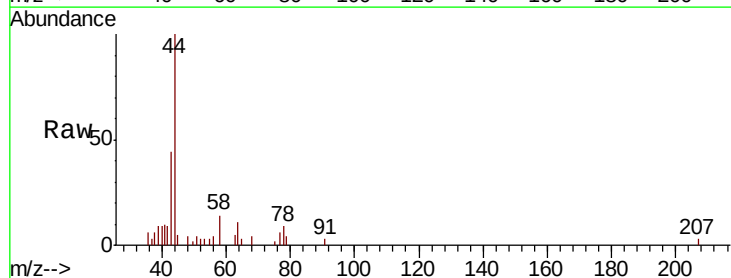
Acq: 23 Oct 2019 18:00

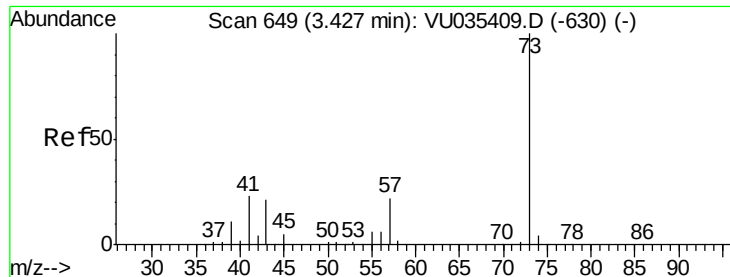
Tgt Ion: 43 Resp: 2808

Ion Ratio Lower Upper

43 100

58 29.4 0.0 61.8



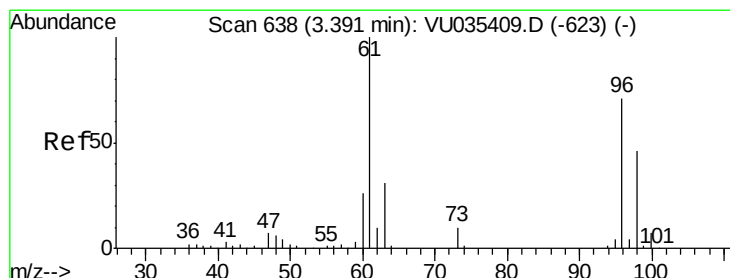
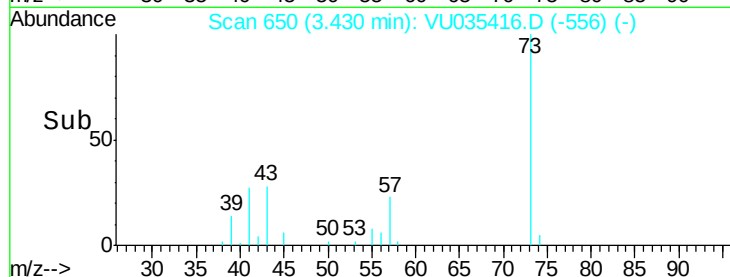
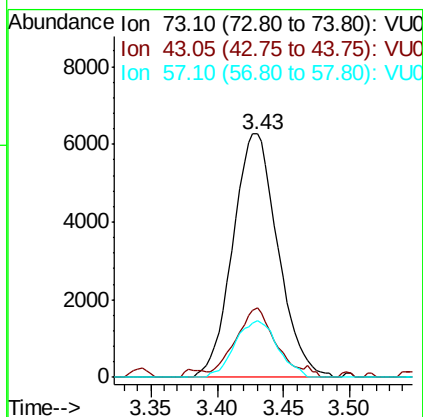
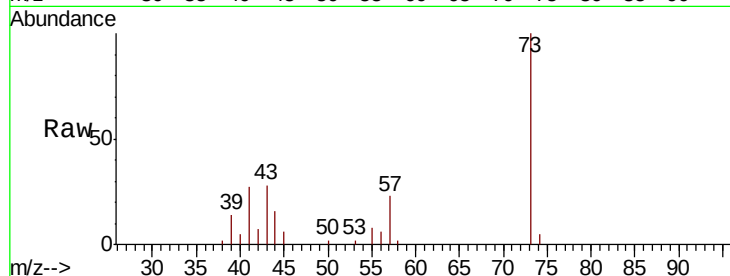


#17

Methyl tert-butyl Ether
 Concen: 0.345 ug/L
 RT: 3.43 min Scan# 650
 Delta R.T. 0.00 min
 Lab File: VU035416.D
 Acq: 23 Oct 2019 18:00

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G00DL

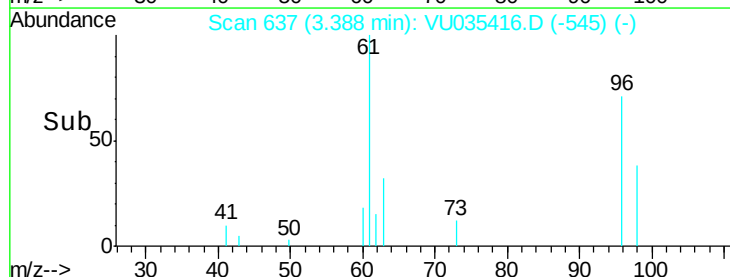
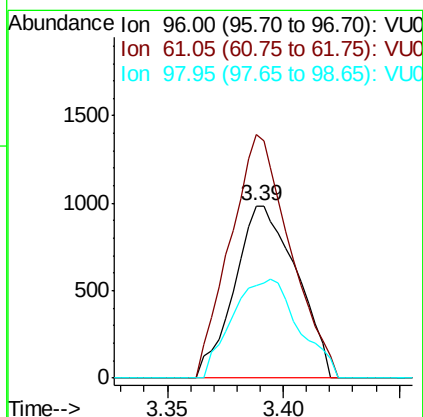
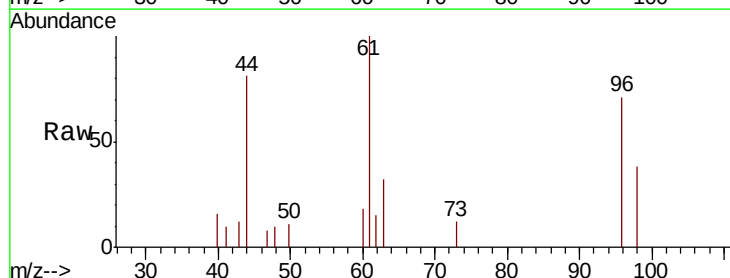
Tot Ion: 73 Resp: 14819
 Ion Ratio Lower Upper
 73 100
 43 25.8 16.0 24.0#
 57 22.0 17.4 26.2

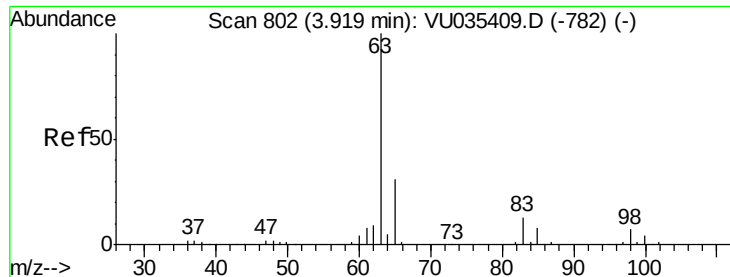


#18

trans-1,2-Dichloroethene
 Concen: 0.106 ug/L
 RT: 3.39 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: VU035416.D
 Acq: 23 Oct 2019 18:00

Tgt Ion: 96 Resp: 1827
 Ion Ratio Lower Upper
 96 100
 61 141.6 93.0 172.6
 98 53.9 43.7 81.1

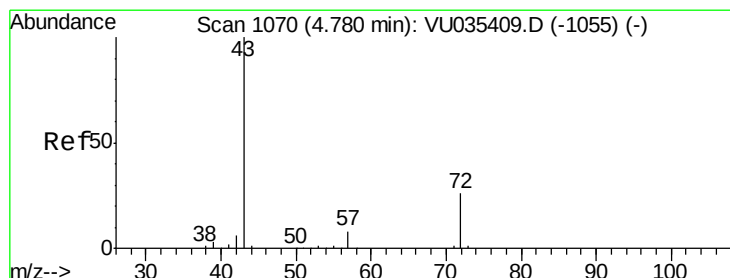
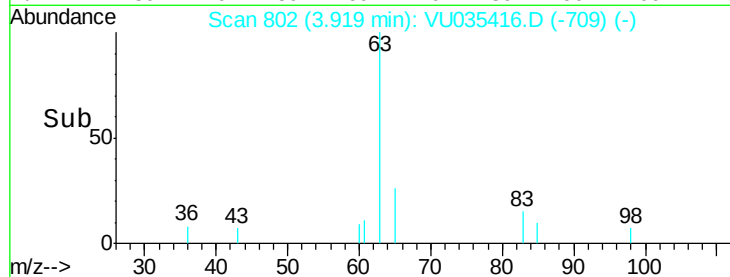
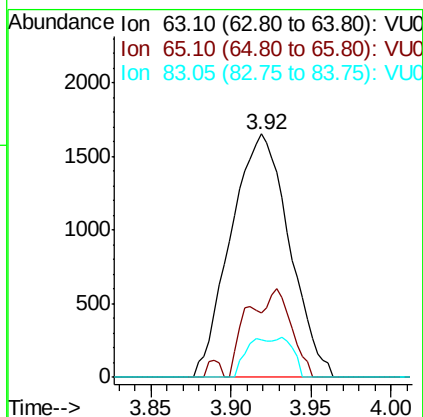
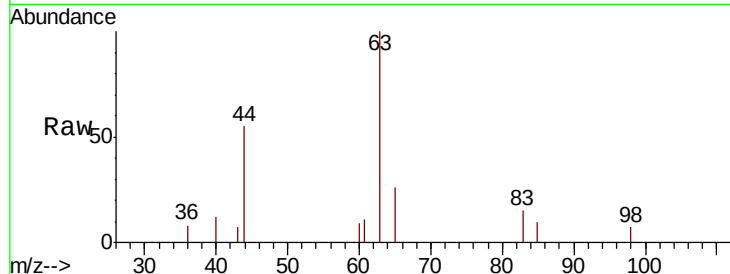




#19
 1,1-Dichloroethane
 Concen: 0.133 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VU035416.D
 Acq: 23 Oct 2019 18:00

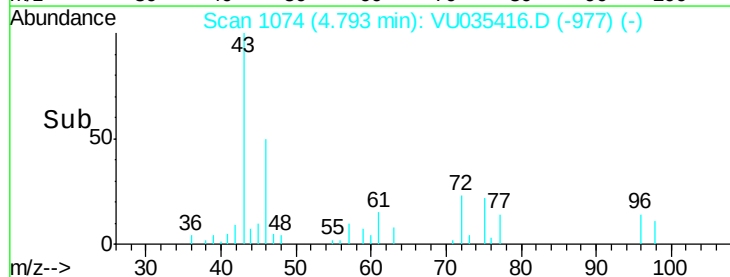
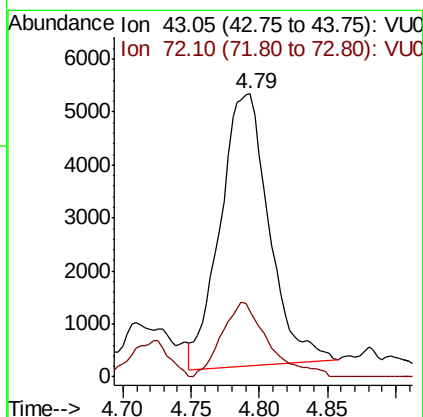
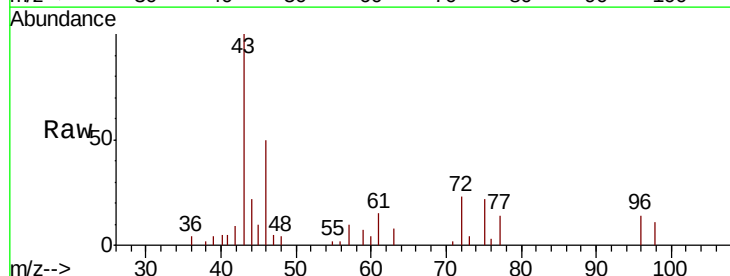
Instrument :
 MSVOA_U
 ClientSampleId :
 H0G00DL

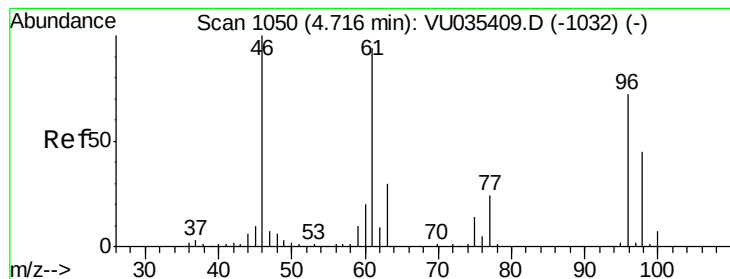
Tot Ion: 63 Resp: 4142
 Ion Ratio Lower Upper
 63 100
 65 26.4 22.4 41.6
 83 15.5 9.3 17.3



#21
 2-Butanone
 Concen: 2.593 ug/L
 RT: 4.79 min Scan# 1074
 Delta R.T. 0.01 min
 Lab File: VU035416.D
 Acq: 23 Oct 2019 18:00

Tgt Ion: 43 Resp: 12810
 Ion Ratio Lower Upper
 43 100
 72 26.1 13.6 40.8





#22

cis-1,2-Dichloroethene

Concen: 6.583 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035416.D

Acq: 23 Oct 2019 18:00

Instrument :

MSVOA_U

ClientSampleId :

H0G00DL

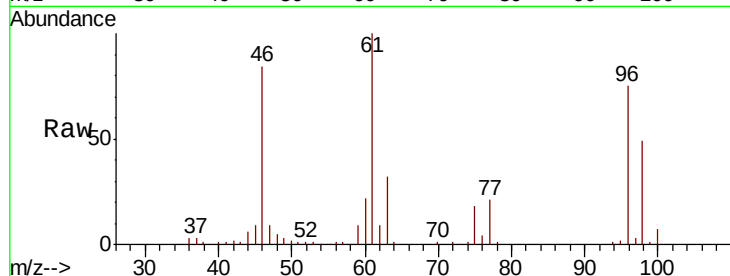
Tot Ion: 96 Resp: 125463

Ion Ratio Lower Upper

96 100

61 133.9 89.7 166.5

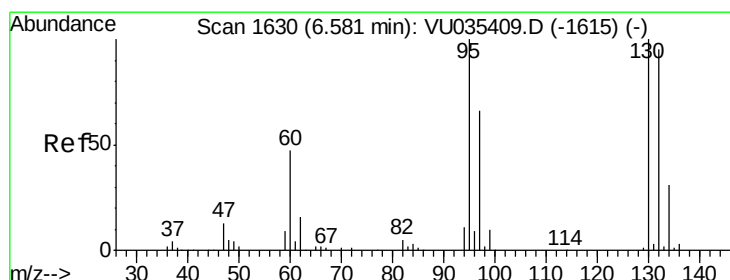
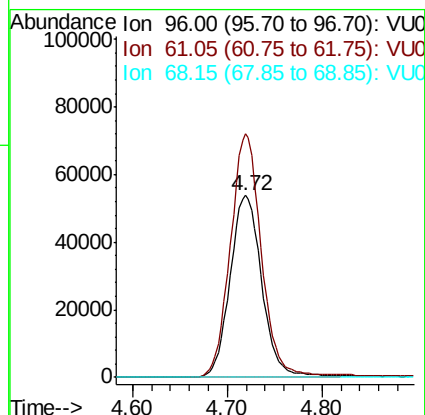
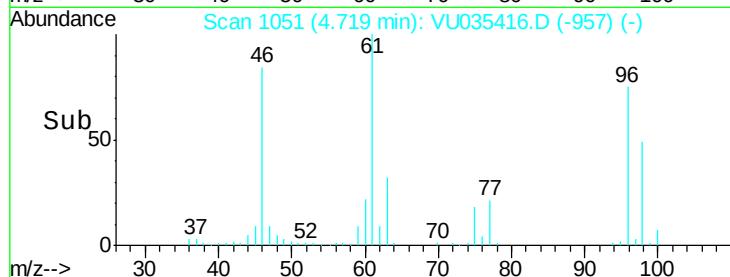
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035416.D (-1537) (-)

Ion 61.05 (60.75 to 61.75): VU035416.D (-1537) (-)

Ion 68.15 (67.85 to 68.85): VU035416.D (-1537) (-)



#34

Trichloroethene

Concen: 2.505 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035416.D

Acq: 23 Oct 2019 18:00

Tgt Ion: 95 Resp: 50505

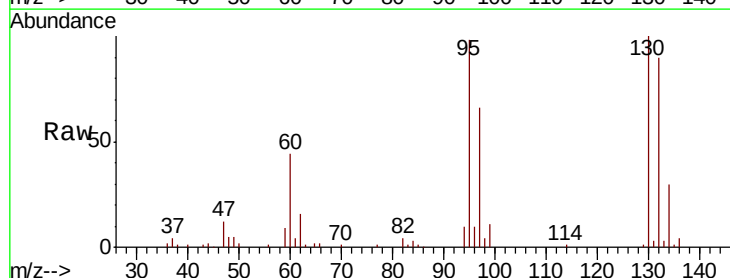
Ion Ratio Lower Upper

95 100

97 67.0 46.6 86.6

132 91.8 68.7 127.7

130 102.0 73.9 137.3



Abundance Ion 95.00 (94.70 to 95.70): VU035416.D (-1537) (-)

Ion 96.95 (96.65 to 97.65): VU035416.D (-1537) (-)

Ion 131.95 (131.65 to 132.65): VU035416.D (-1537) (-)

Ion 129.95 (129.65 to 130.65): VU035416.D (-1537) (-)

