

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102319\
 Data File : VU035405.D
 Acq On : 23 Oct 2019 12:56
 Operator : JC/SP
 Sample : K5461-06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G04

Quant Time: Oct 23 17:52:53 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	233609	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	235342	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	77471	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	68223	4.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.80%
7) Chloroethane-d5	1.93	69	70267	5.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.00%
11) 1,1-Dichloroethene-d2	2.60	63	98361	3.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.60%
20) 2-Butanone-d5	4.70	46	251160	61.36	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.72%
24) Chloroform-d	5.11	84	145131	5.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.60%
26) 1,2-Dichloroethane-d4	5.75	65	85951	5.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	119.20%
32) Benzene-d6	5.77	84	284151	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.60%
36) 1,2-Dichloropropane-d6	6.74	67	100712	5.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	117.80%
41) Toluene-d8	7.93	98	235895	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
43) trans-1,3-Dichloropropene-	8.22	79	35933	4.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.60%
46) 2-Hexanone-d5	8.69	63	175363	47.95	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.90%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	89712	5.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	117.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	78687	5.58	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.60%

Target Compounds

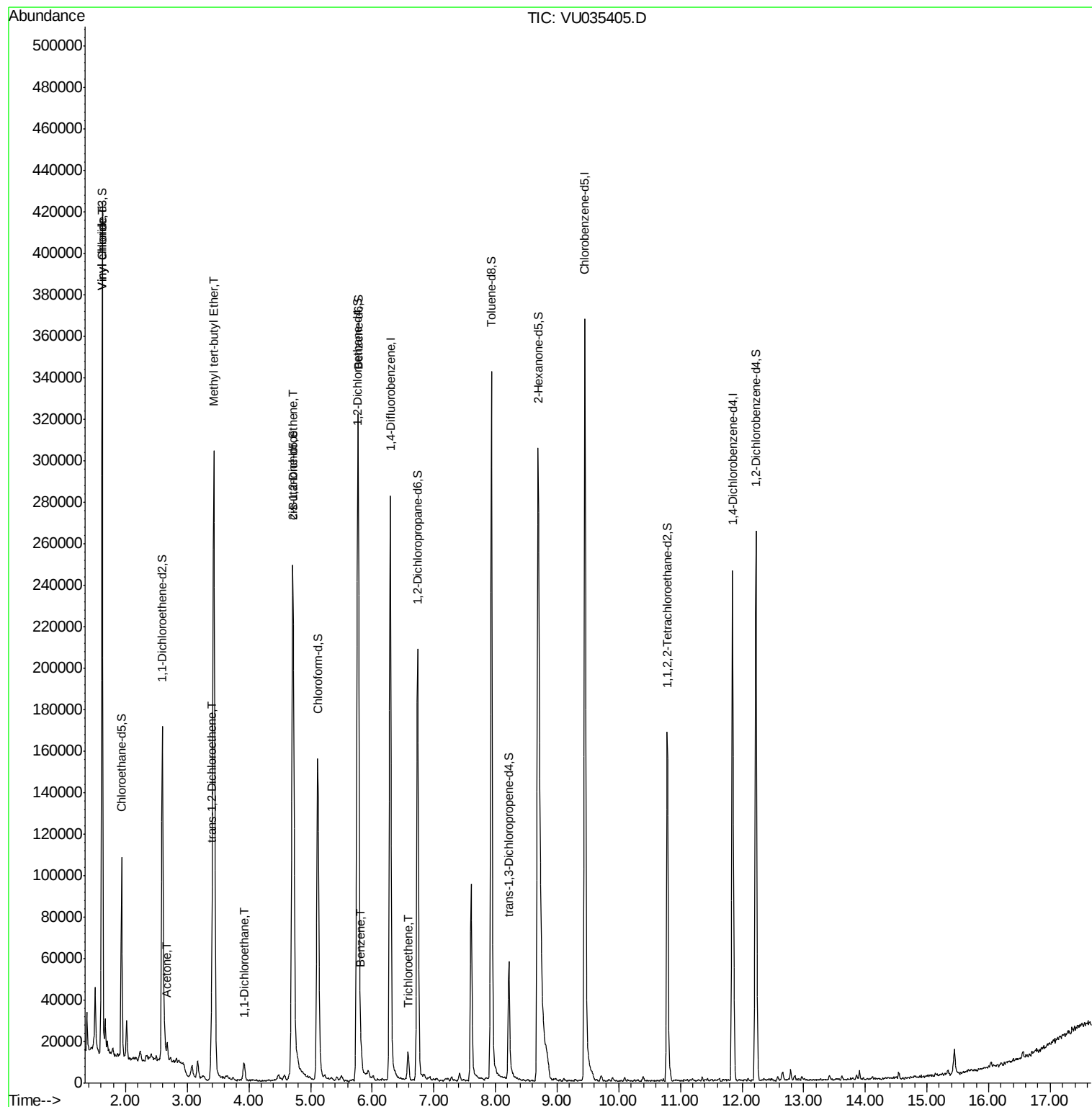
					Ovalue
5) Vinyl chloride	1.62	62	181520	8.962 ug/L	99
13) Acetone	2.67	43	9568	3.360 ug/L	96
17) Methyl tert-butyl Ether	3.43	73	327146	8.099 ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	8389	0.518 ug/L	93
19) 1,1-Dichloroethane	3.92	63	9782	0.334 ug/L	95
22) cis-1,2-Dichloroethene	4.72	96	66699	3.726 ug/L	98
33) Benzene	5.82	78	8820	0.127 ug/L	100
34) Trichloroethene	6.58	95	4350	0.234 ug/L	84

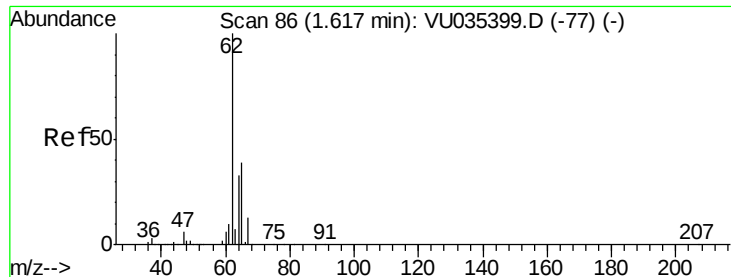
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 8.962 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VU035405.D

Acq: 23 Oct 2019 12:56

Instrument :

MSVOA_U

ClientSampleId :

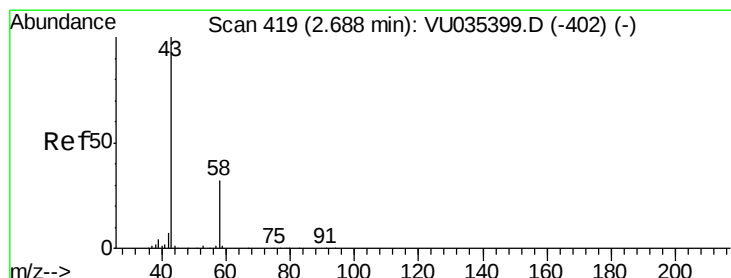
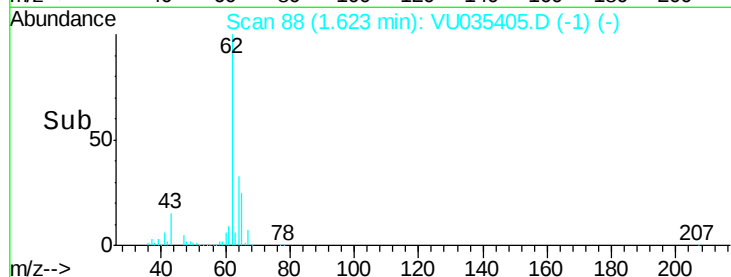
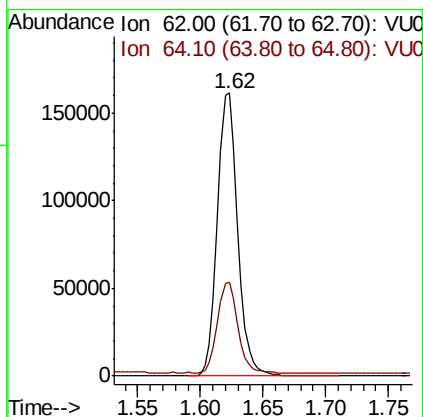
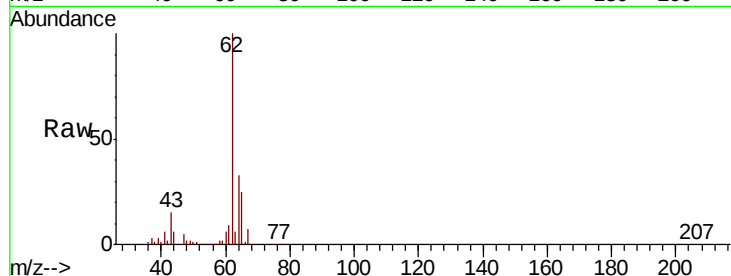
H0G04

Tot Ion: 62 Resp: 181520

Ion Ratio Lower Upper

62 100

64 33.2 22.9 42.5



#13

Acetone

Concen: 3.360 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.00 min

Lab File: VU035405.D

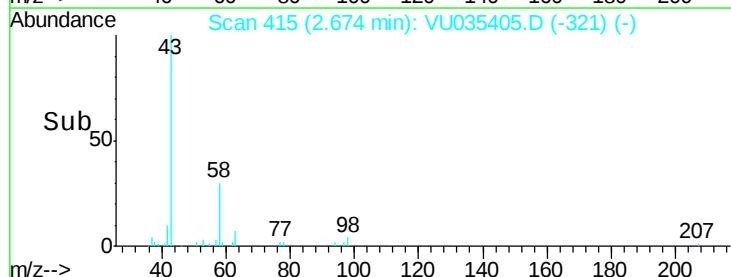
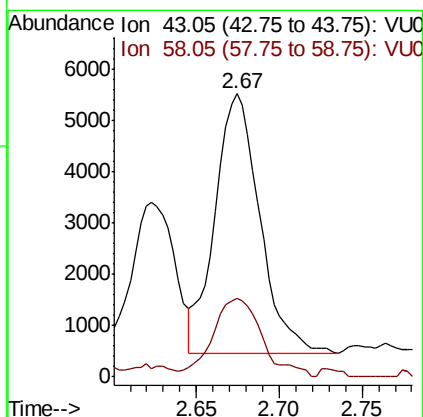
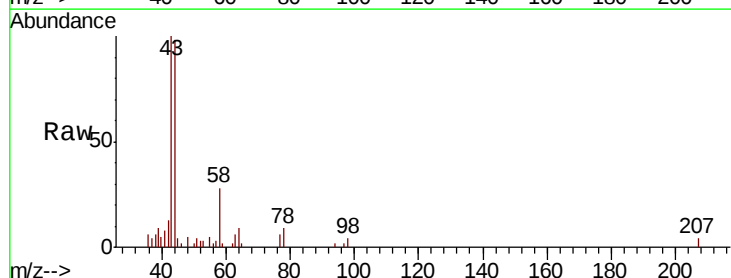
Acq: 23 Oct 2019 12:56

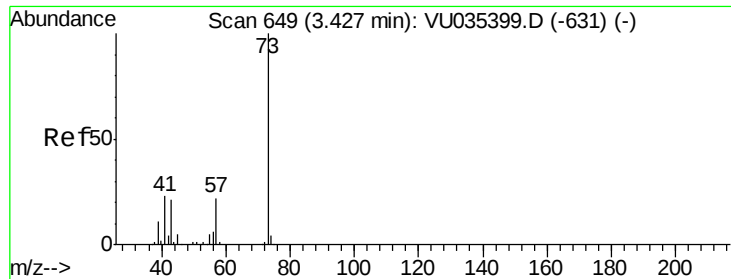
Tgt Ion: 43 Resp: 9568

Ion Ratio Lower Upper

43 100

58 33.2 0.0 61.8

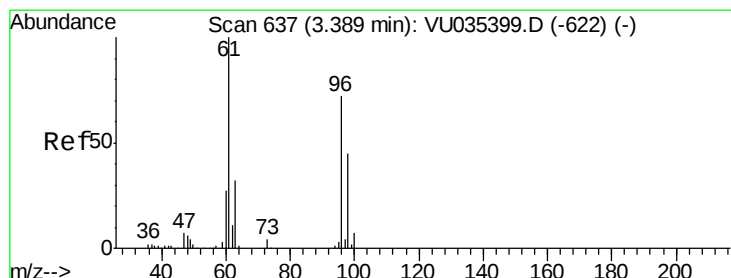
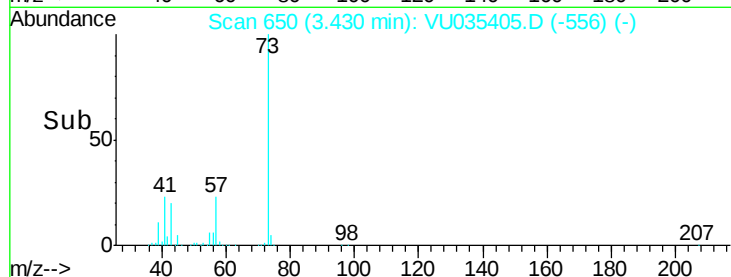
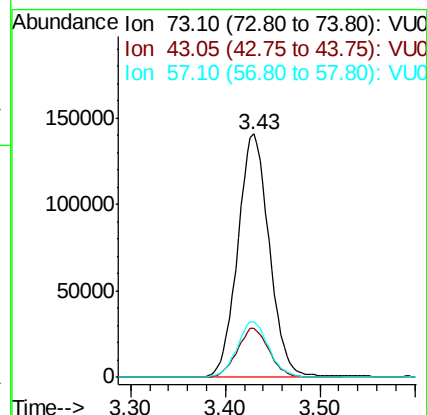
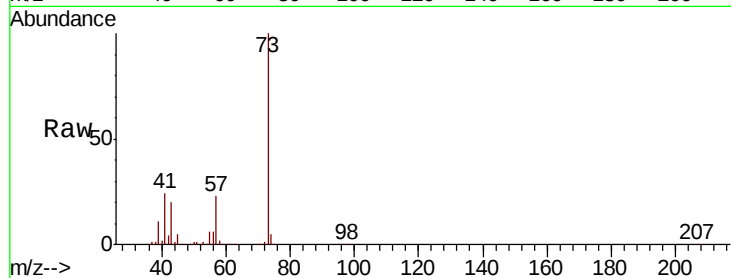




#17
Methvl tert-butvl Ether
Concen: 8.099 ug/L
RT: 3.43 min Scan# 650
Delta R.T. 0.00 min
Lab File: VU035405.D
Acq: 23 Oct 2019 12:56

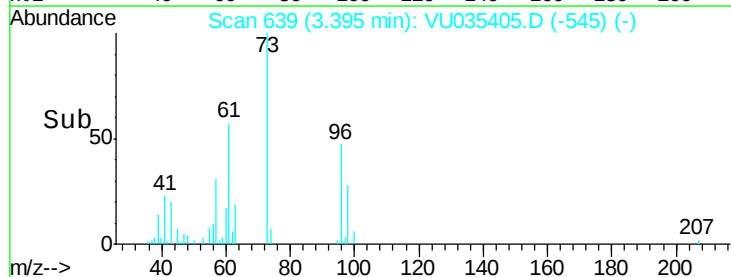
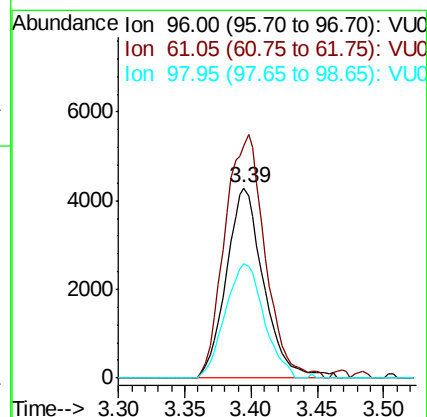
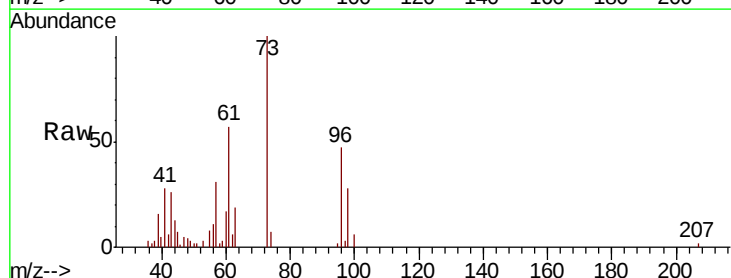
Instrument :
MSVOA_U
ClientSampleId :
H0G04

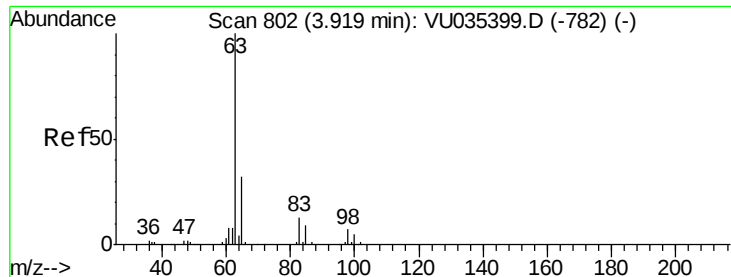
Tot Ion: 73 Resp: 327146
Ion Ratio Lower Upper
73 100
43 20.6 16.0 24.0
57 23.1 17.4 26.2



#18
trans-1,2-Dichloroethene
Concen: 0.518 ug/L
RT: 3.39 min Scan# 639
Delta R.T. 0.00 min
Lab File: VU035405.D
Acq: 23 Oct 2019 12:56

Tgt Ion: 96 Resp: 8389
Ion Ratio Lower Upper
96 100
61 122.3 93.0 172.6
98 59.9 43.7 81.1





#19

1,1-Dichloroethane

Concen: 0.334 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.00 min

Lab File: VU035405.D

Acq: 23 Oct 2019 12:56

Instrument :

MSVOA_U

ClientSampled :

H0G04

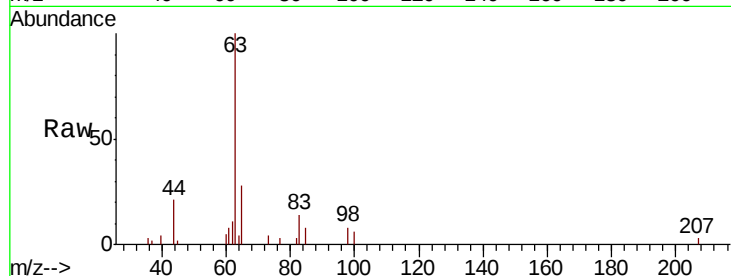
Tot Ion: 63 Resp: 9782

Ion Ratio Lower Upper

63 100

65 28.2 22.4 41.6

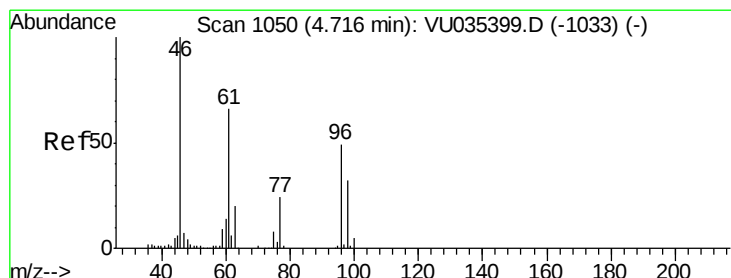
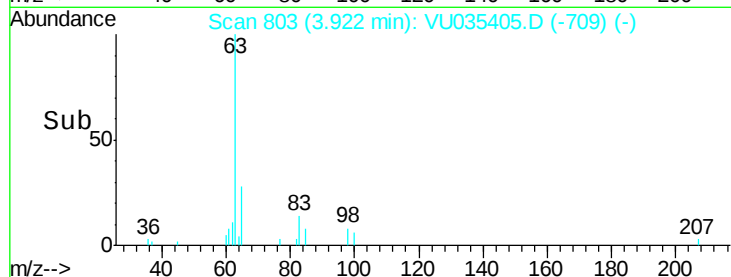
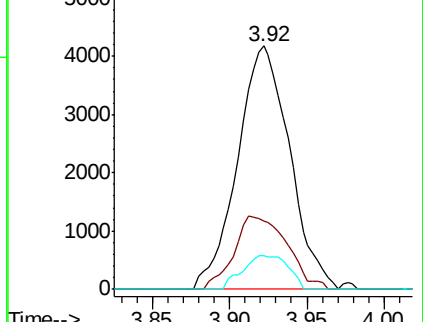
83 13.6 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU035399.D (-782) (-)

Ion 65.10 (64.80 to 65.80): VU035399.D (-782) (-)

Ion 83.05 (82.75 to 83.75): VU035399.D (-782) (-)



#22

cis-1,2-Dichloroethene

Concen: 3.726 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VU035405.D

Acq: 23 Oct 2019 12:56

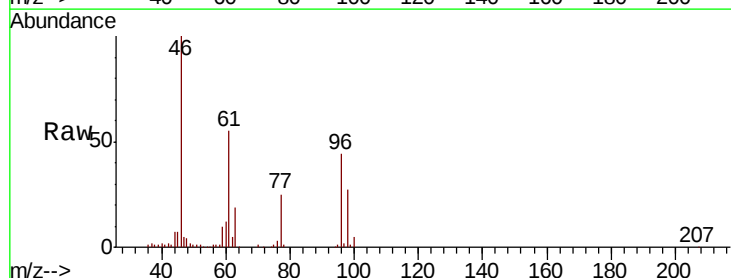
Tgt Ion: 96 Resp: 66699

Ion Ratio Lower Upper

96 100

61 126.0 89.7 166.5

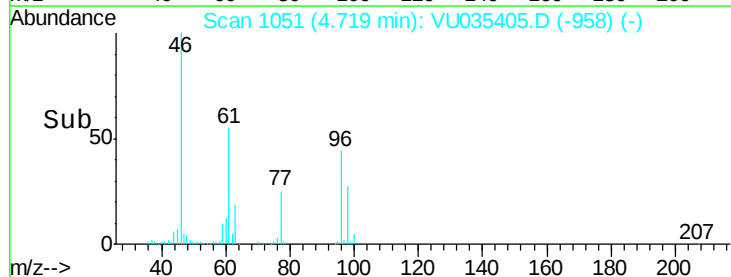
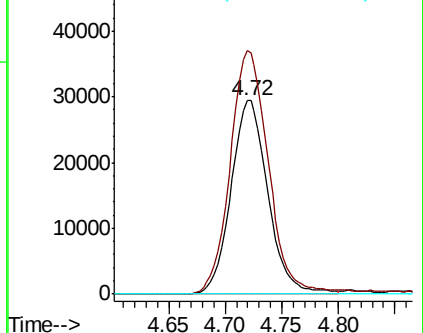
68 0.0 0.0 0.0

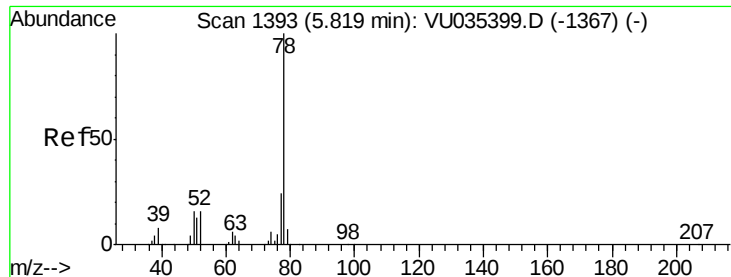


Abundance Ion 96.00 (95.70 to 96.70): VU035399.D (-1033) (-)

Ion 61.05 (60.75 to 61.75): VU035399.D (-1033) (-)

Ion 68.15 (67.85 to 68.85): VU035399.D (-1033) (-)

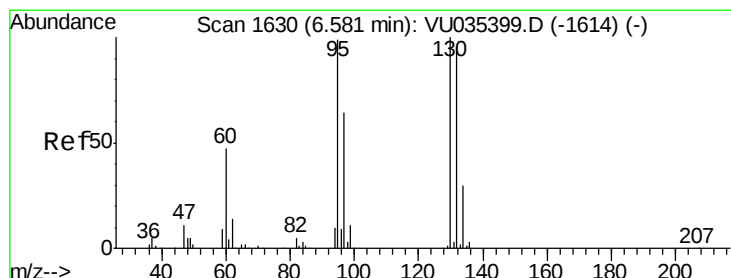
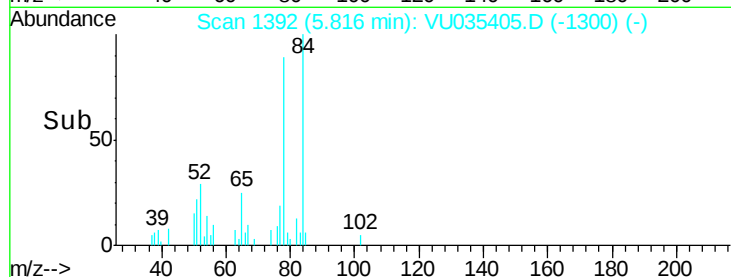
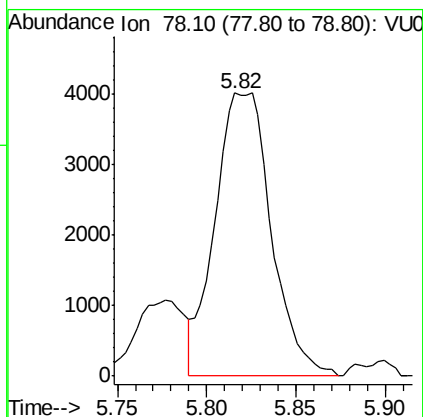
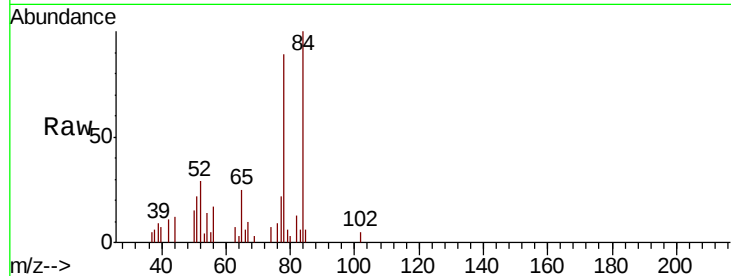




#33
Benzene
Concen: 0.127 ug/L
RT: 5.82 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VU035405.D
Acq: 23 Oct 2019 12:56

Tgt Ion: 78 Resp: 8820

Instrument :
MSVOA_U
ClientSampleId :
H0G04



#34
Trichloroethene
Concen: 0.234 ug/L
RT: 6.58 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU035405.D
Acq: 23 Oct 2019 12:56

Tgt Ion: 95 Resp: 4350

Ion	Ratio	Lower	Upper
95	100		
97	52.7	46.6	86.6
132	82.2	68.7	127.7
130	90.6	73.9	137.3

