

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090819\
 Data File : VU034409.D
 Acq On : 08 Sep 2019 03:29
 Operator : JC/SP
 Sample : K4703-13
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFD96

Quant Time: Sep 09 06:09:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR090119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sun Sep 08 03:44:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.87	114	261285	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	275367	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	122528	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	68219	3.88	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.60%
7) Chloroethane-d5	1.68	69	64389	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.20%
11) 1,1-Dichloroethene-d2	2.27	63	131566	3.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.80%
20) 2-Butanone-d5	4.17	46	206546	50.81	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.62%
24) Chloroform-d	4.63	84	147512	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	5.29	65	74324	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	5.32	84	303176	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.60%
36) 1,2-Dichloropropane-d6	6.31	67	102935	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.40%
41) Toluene-d8	7.55	98	261489	3.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.80%
43) trans-1,3-Dichloropropene-	7.83	79	30012	3.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.60%
46) 2-Hexanone-d5	8.30	63	150760	43.87	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.74%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	83861	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.20%
64) 1,2-Dichlorobenzene-d4	11.84	152	108740	5.16	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.20%

Target Compounds

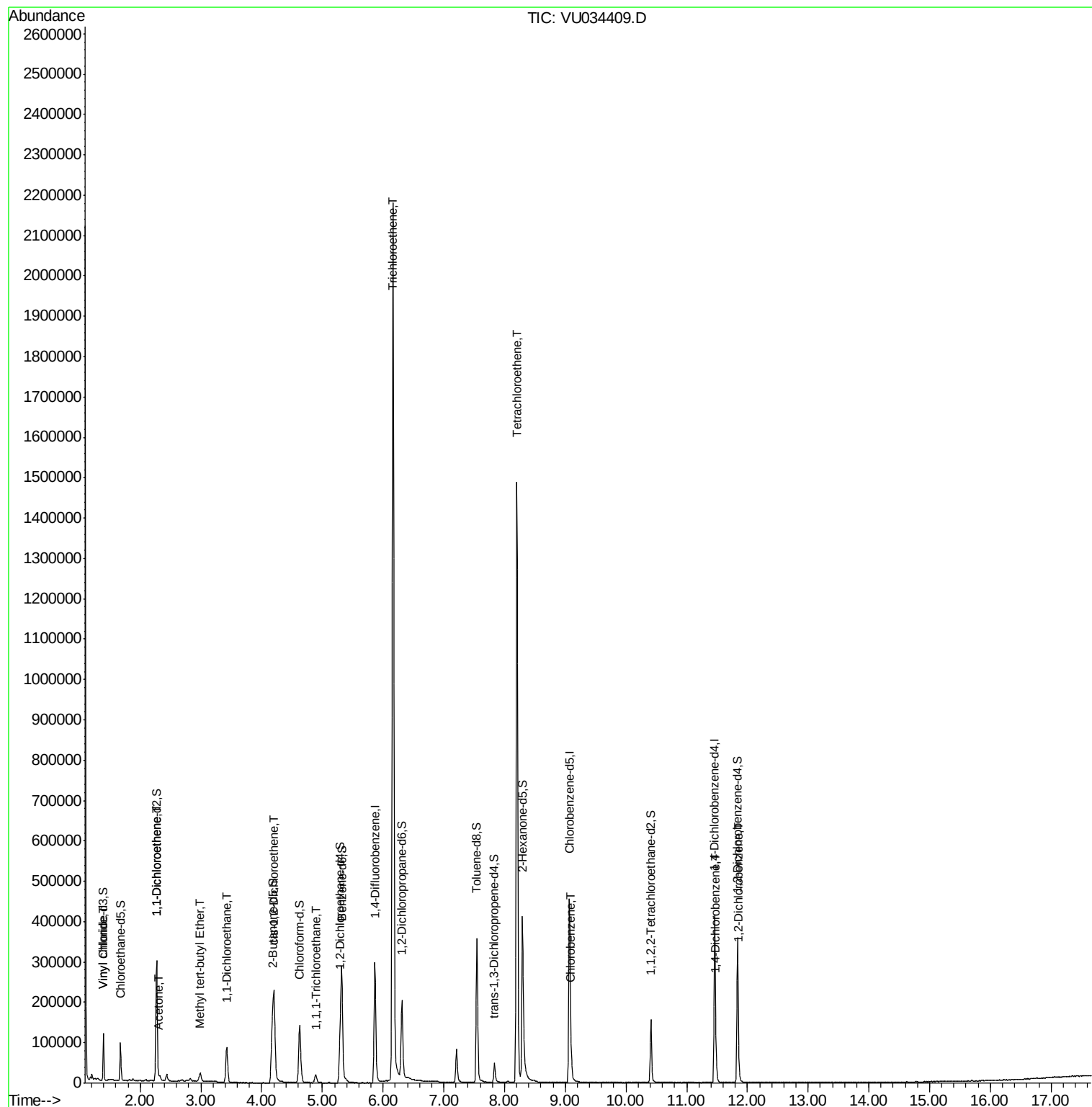
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	7671	0.299	ug/L	# 68
12) 1,1-Dichloroethene	2.28	96	57815	3.557	ug/L	94
13) Acetone	2.31	43	8745	3.213	ug/L	96
17) Methyl tert-butyl Ether	2.99	73	20035	0.495	ug/L	99
19) 1,1-Dichloroethane	3.42	63	95981	2.770	ug/L	99
22) cis-1,2-Dichloroethene	4.20	96	111542	5.644	ug/L	90
29) 1,1,1-Trichloroethane	4.89	97	16313	0.540	ug/L	98
34) Trichloroethene	6.16	95	778626	36.273	ug/L	97
47) Tetrachloroethene	8.21	164	367943	20.855	ug/L	95
51) Chlorobenzene	9.10	112	34387	0.613	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	9773	0.254	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	4701	0.134	ug/L	96

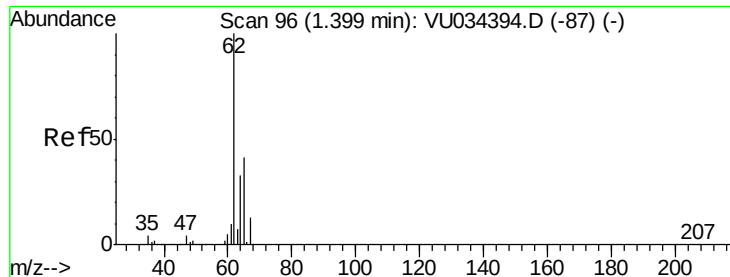
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.299 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU034409.D

Acq: 08 Sep 2019 03:29

Instrument :

MSVOA_U

ClientSampleId :

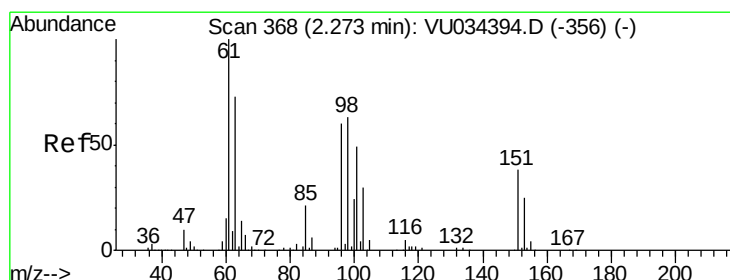
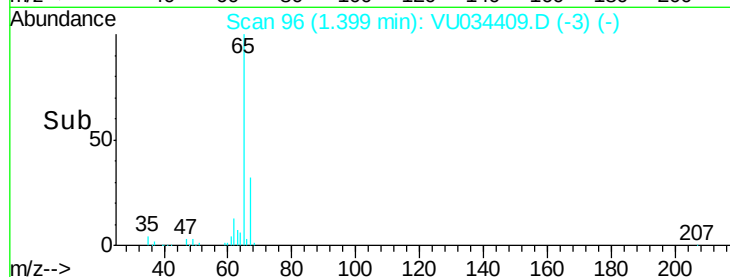
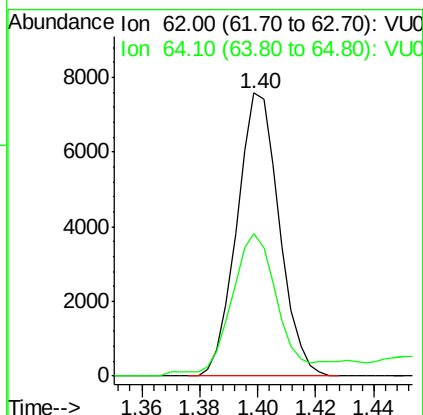
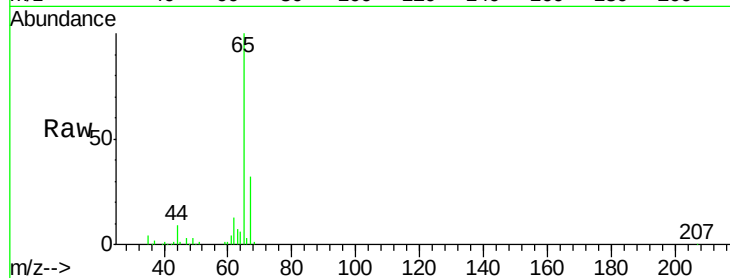
BFD96

Tot Ion: 62 Resp: 7671

Ion Ratio Lower Upper

62 100

64 50.3 22.6 42.0#



#12

1,1-Dichloroethene

Concen: 3.557 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034409.D

Acq: 08 Sep 2019 03:29

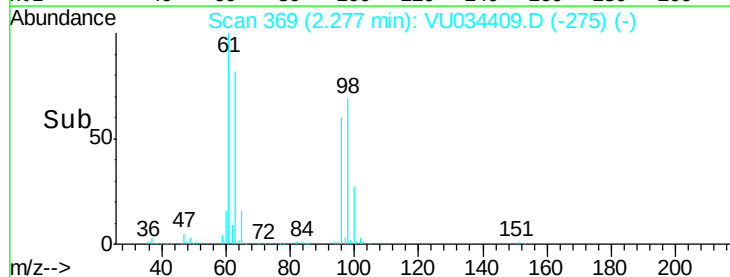
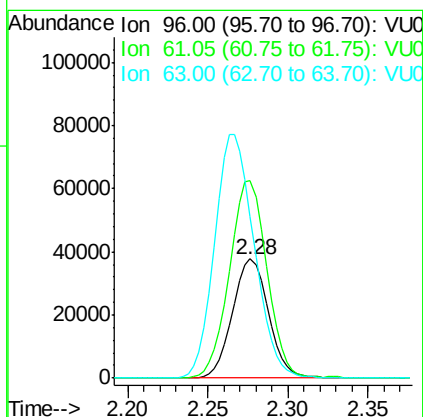
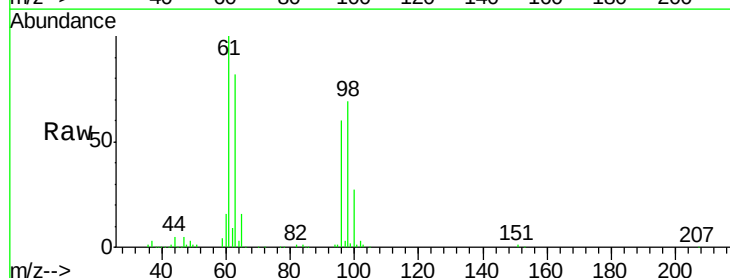
Tgt Ion: 96 Resp: 57815

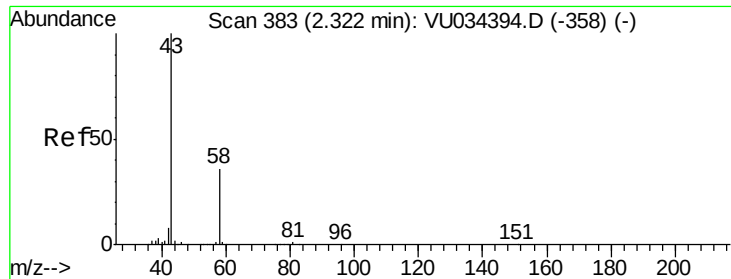
Ion Ratio Lower Upper

96 100

61 166.4 126.6 235.0

63 135.7 94.5 175.5





#13

Acetone

Concen: 3.213 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.01 min

Lab File: VU034409.D

Acq: 08 Sep 2019 03:29

Instrument :

MSVOA_U

ClientSampleId :

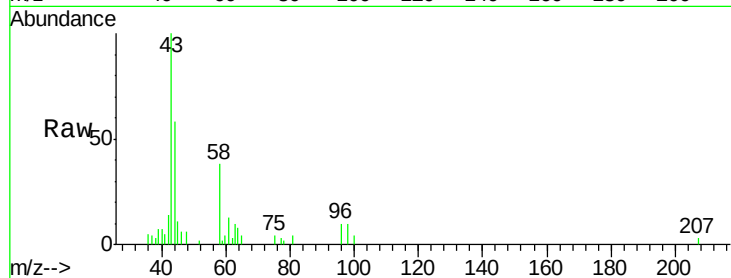
BFD96

Tot Ion: 43 Resp: 8745

Ion Ratio Lower Upper

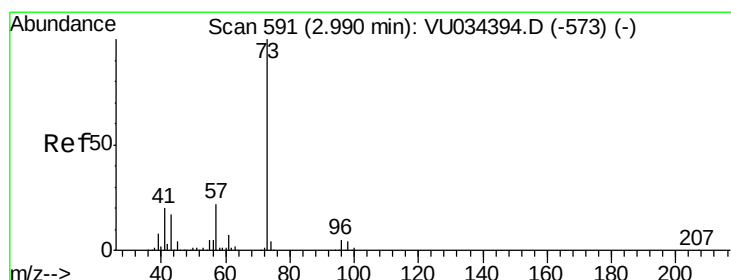
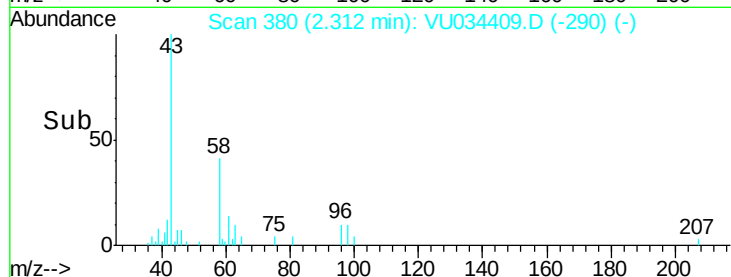
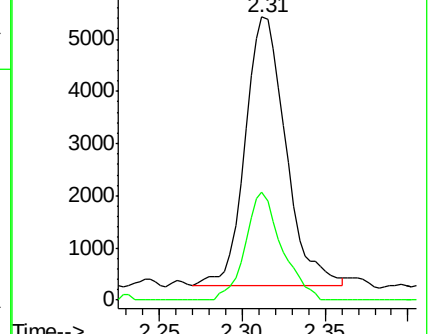
43 100

58 36.0 0.0 67.6



Abundance Ion 43.05 (42.75 to 43.75): VU034409.D (-290) (-)

Ion 58.05 (57.75 to 58.75): VU034409.D (-290) (-)



#17

Methyl tert-butyl Ether

Concen: 0.495 ug/L

RT: 2.99 min Scan# 591

Delta R.T. -0.00 min

Lab File: VU034409.D

Acq: 08 Sep 2019 03:29

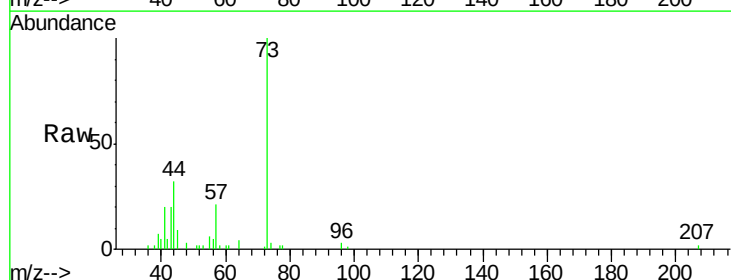
Tgt Ion: 73 Resp: 20035

Ion Ratio Lower Upper

73 100

43 18.1 14.7 22.1

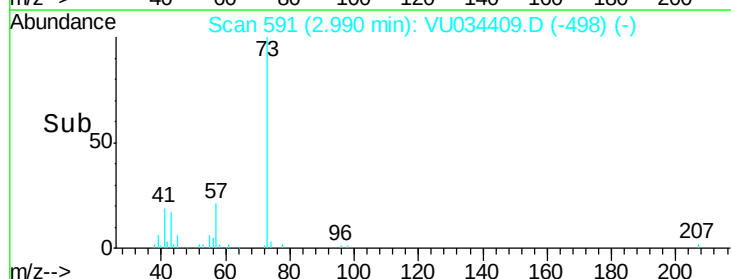
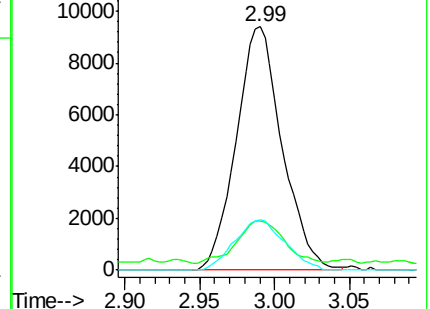
57 22.6 18.6 27.8

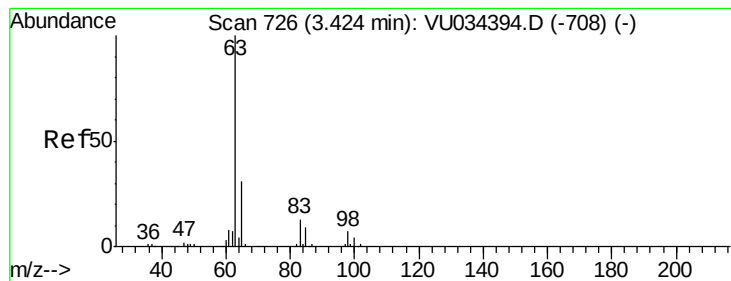


Abundance Ion 73.10 (72.80 to 73.80): VU034409.D (-498) (-)

Ion 43.05 (42.75 to 43.75): VU034409.D (-498) (-)

Ion 57.10 (56.80 to 57.80): VU034409.D (-498) (-)





#19

1,1-Dichloroethane

Concen: 2.770 ug/L

RT: 3.42 min Scan# 726

Delta R.T. -0.00 min

Lab File: VU034409.D

Acq: 08 Sep 2019 03:29

Instrument :

MSVOA_U

ClientSampled :

BFD96

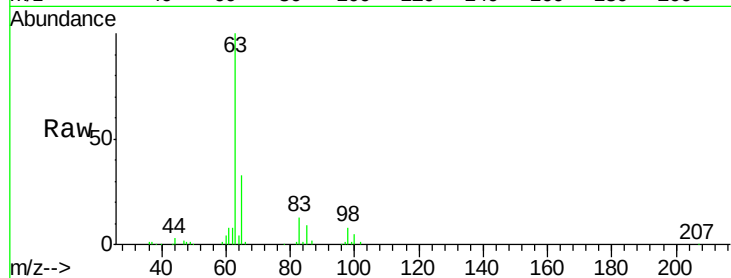
Tot Ion: 63 Resp: 95981

Ion Ratio Lower Upper

63 100

65 33.0 22.5 41.9

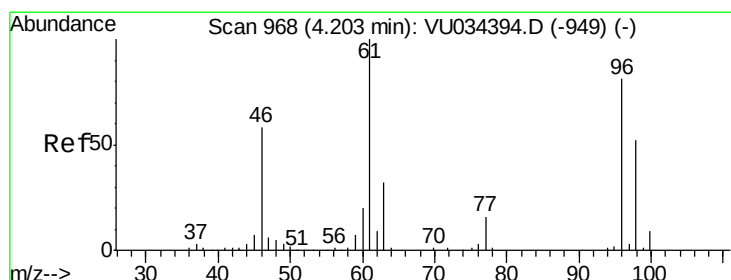
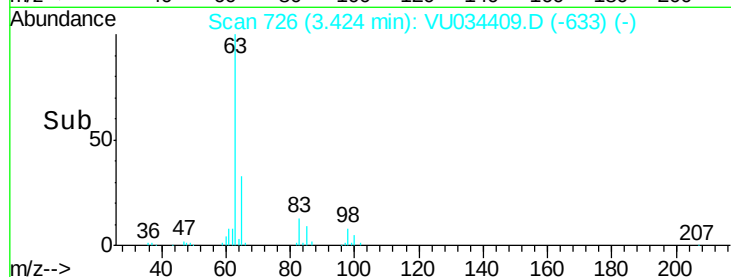
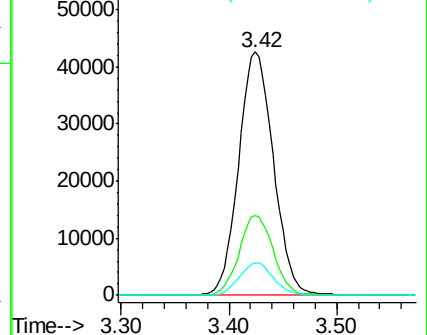
83 13.4 9.1 16.9



Abundance Ion 63.10 (62.80 to 63.80): VU034409.D (-633) (-)

Ion 65.10 (64.80 to 65.80): VU034409.D (-633) (-)

Ion 83.05 (82.75 to 83.75): VU034409.D (-633) (-)



#22

cis-1,2-Dichloroethene

Concen: 5.644 ug/L

RT: 4.20 min Scan# 968

Delta R.T. -0.00 min

Lab File: VU034409.D

Acq: 08 Sep 2019 03:29

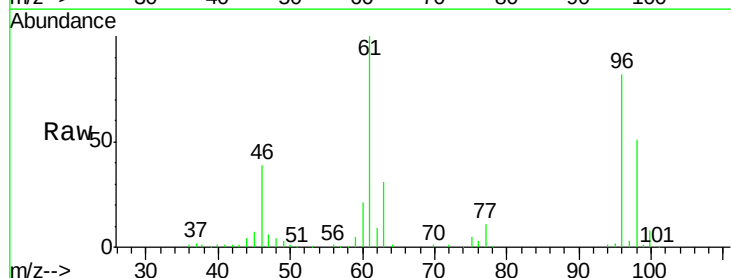
Tgt Ion: 96 Resp: 111542

Ion Ratio Lower Upper

96 100

61 122.0 93.6 173.8

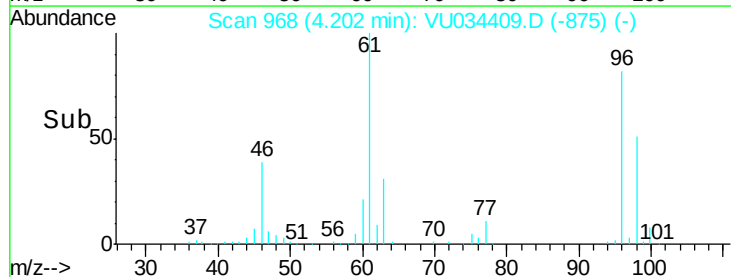
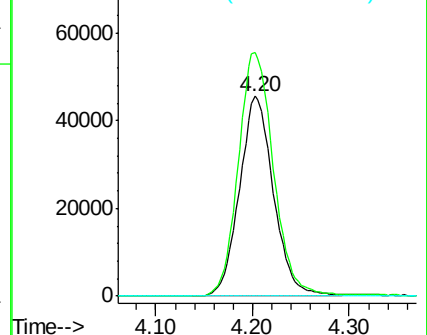
68 0.0 0.0 0.0

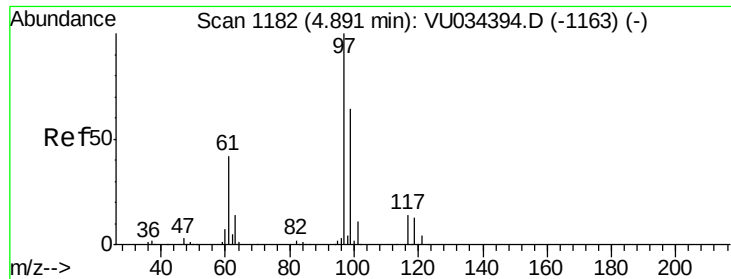


Abundance Ion 96.00 (95.70 to 96.70): VU034409.D (-875) (-)

Ion 61.05 (60.75 to 61.75): VU034409.D (-875) (-)

Ion 68.15 (67.85 to 68.85): VU034409.D (-875) (-)

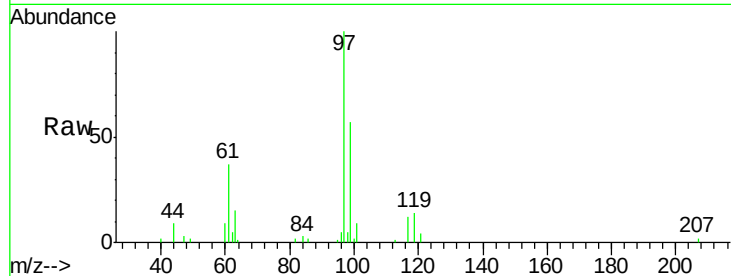




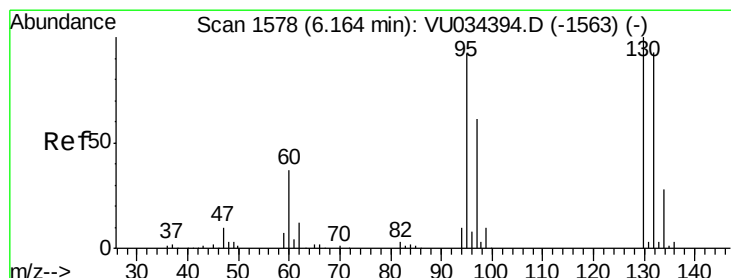
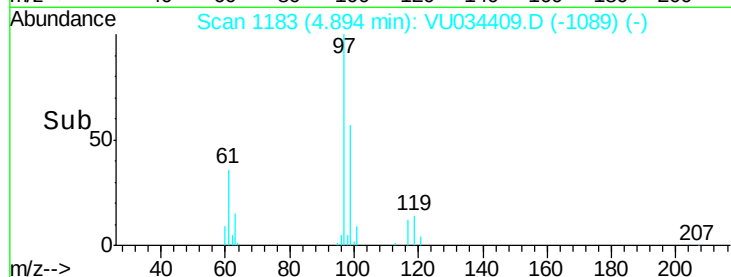
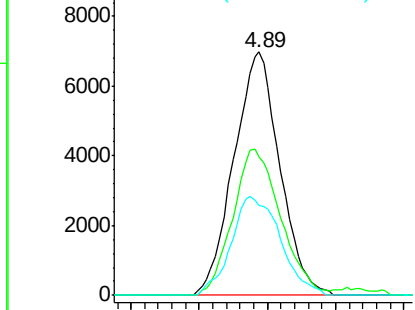
#29
1,1,1-Trichloroethane
Concen: 0.540 ug/L
RT: 4.89 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VU034409.D
Acq: 08 Sep 2019 03:29

Instrument :
MSVOA_U
ClientSampleId :
BFD96

Tot Ion: 97 Resp: 16313
Ion Ratio Lower Upper
97 100
99 62.7 52.1 78.1
61 43.6 35.4 53.2

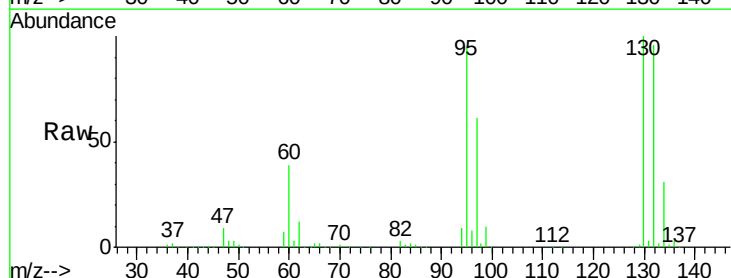


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

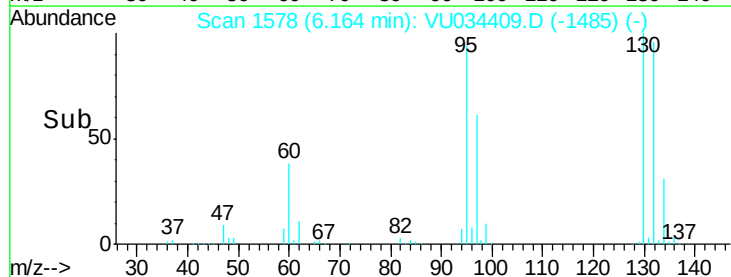
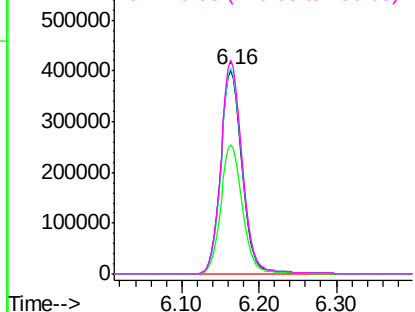


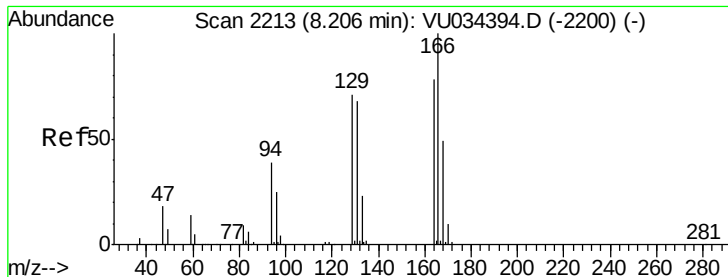
#34
Trichloroethene
Concen: 36.273 ug/L
RT: 6.16 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VU034409.D
Acq: 08 Sep 2019 03:29

Tgt Ion: 95 Resp: 778626
Ion Ratio Lower Upper
95 100
97 63.7 43.3 80.5
132 101.1 68.6 127.4
130 104.9 70.5 130.9



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





#47

Tetrachloroethene

Concen: 20.855 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VU034409.D

Acq: 08 Sep 2019 03:29

Instrument :

MSVOA_U

ClientSampleId :

BFD96

Tot Ion:164 Resp: 367943

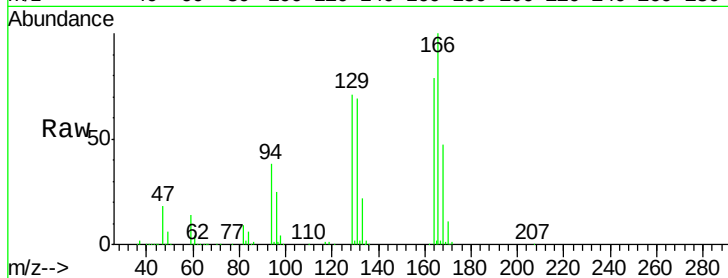
Ion Ratio Lower Upper

164 100

129 90.4 68.0 126.2

131 88.2 64.6 120.0

166 127.3 92.0 170.8

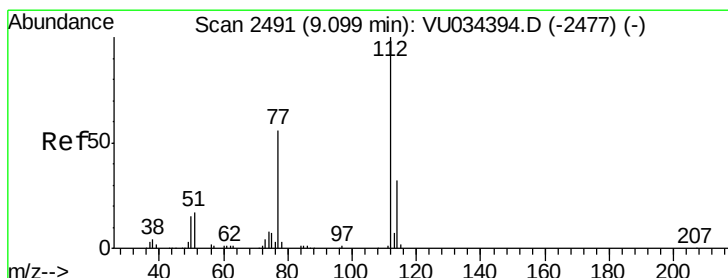
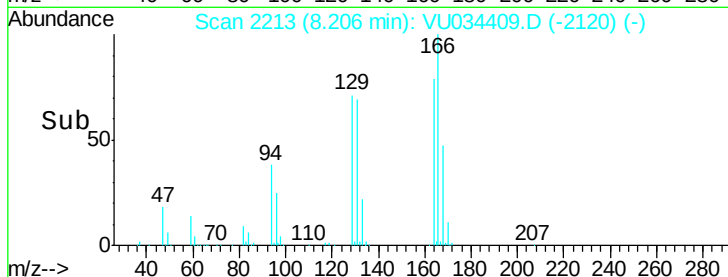
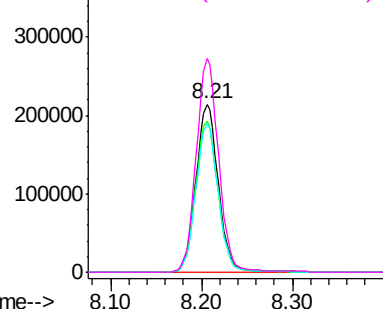


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#51

Chlorobenzene

Concen: 0.613 ug/L

RT: 9.10 min Scan# 2491

Delta R.T. -0.00 min

Lab File: VU034409.D

Acq: 08 Sep 2019 03:29

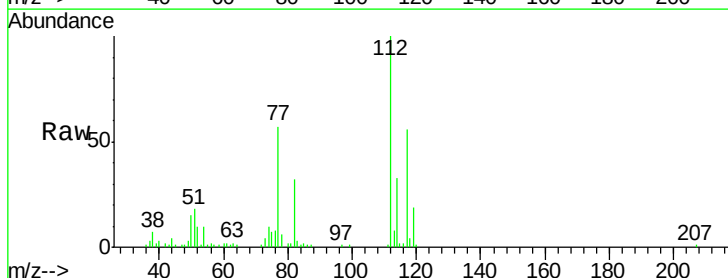
Tgt Ion:112 Resp: 34387

Ion Ratio Lower Upper

112 100

114 33.3 22.6 42.0

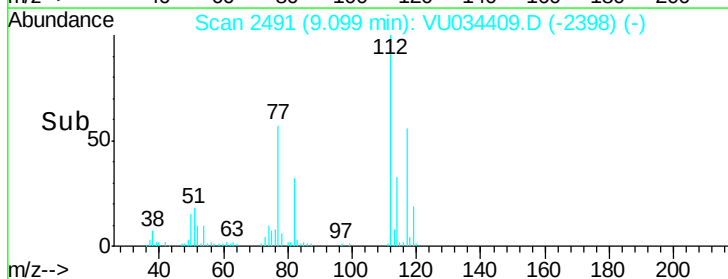
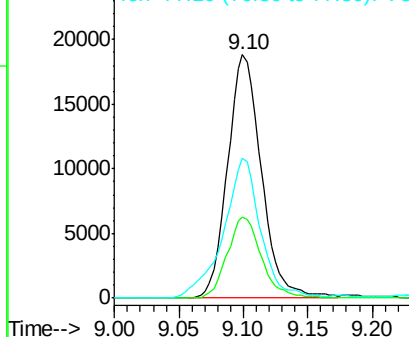
77 57.4 46.3 69.5

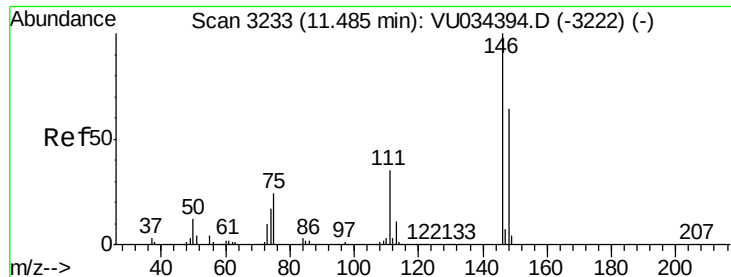


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#63

1,4-Dichlorobenzene

Concen: 0.254 ug/L

RT: 11.49 min Scan# 3234

Delta R.T. 0.00 min

Lab File: VU034409.D

Acq: 08 Sep 2019 03:29

Instrument :

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ClientSampleId :

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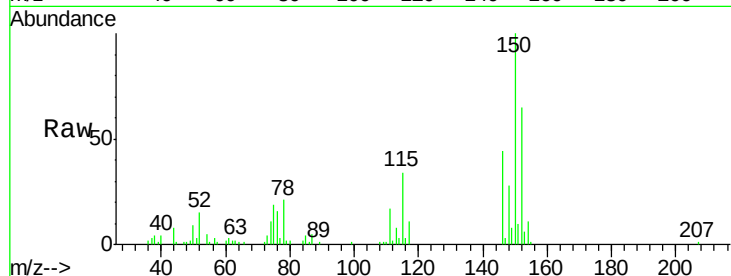
Tot Ion:146 Resp: 9773

Ion Ratio Lower Upper

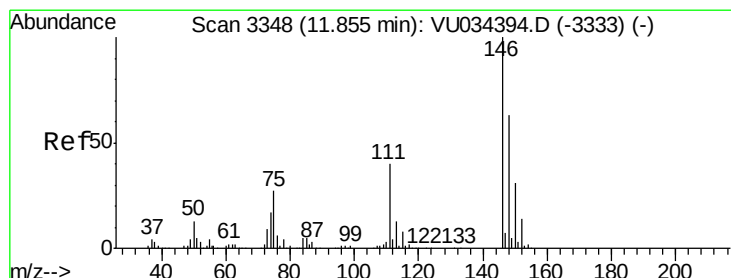
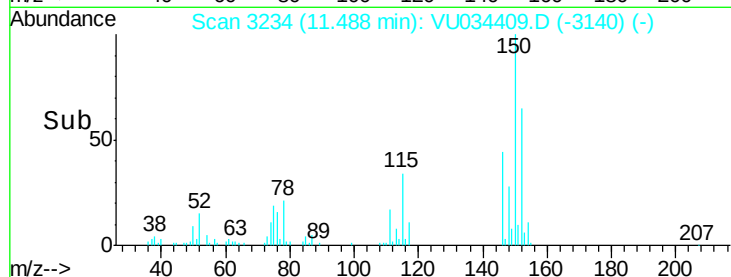
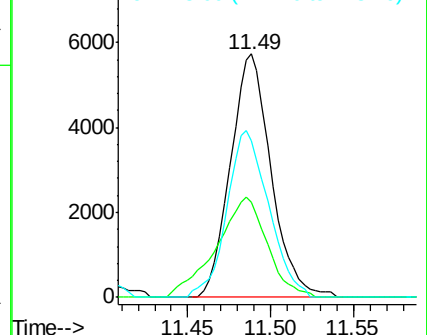
146 100

111 39.3 26.5 49.3

148 64.3 44.0 81.8



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 0.134 ug/L

RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU034409.D

Acq: 08 Sep 2019 03:29

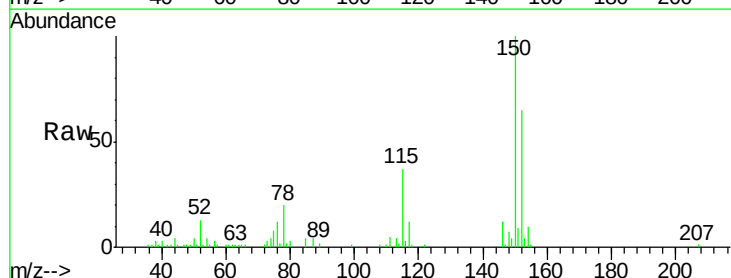
Tgt Ion:146 Resp: 4701

Ion Ratio Lower Upper

146 100

111 44.9 32.8 49.2

148 60.0 49.4 74.0



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

