

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040619\
 Data File : VU030768.D
 Acq On : 06 Apr 2019 01:49
 Operator : JC/SP
 Sample : K2260-11MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETJ58MSD

Quant Time: Apr 06 10:29:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 06 02:16:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	429887	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	411816	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	161709	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	199105	51.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.76%
7) Chloroethane-d5	1.68	69	163388	56.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	112.20%
11) 1,1-Dichloroethene-d2	2.27	63	344758	49.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.34%
21) 2-Butanone-d5	4.17	46	354821	116.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.66%
24) Chloroform-d	4.64	84	305525	52.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.24%
26) 1,2-Dichloroethane-d4	5.30	65	227384	56.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.70%
32) Benzene-d6	5.34	84	641951	53.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.80%
36) 1,2-Dichloropropane-d6	6.33	67	229320	55.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	111.32%
41) Toluene-d8	7.56	98	530792	49.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.62%
43) trans-1,3-Dichloropropene-	7.85	79	91456	48.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.36%
47) 2-Hexanone-d5	8.31	63	207944	110.43	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.43%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	305789	55.02	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.04%
64) 1,2-Dichlorobenzene-d4	11.86	152	178131	56.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	112.02%

Target Compounds

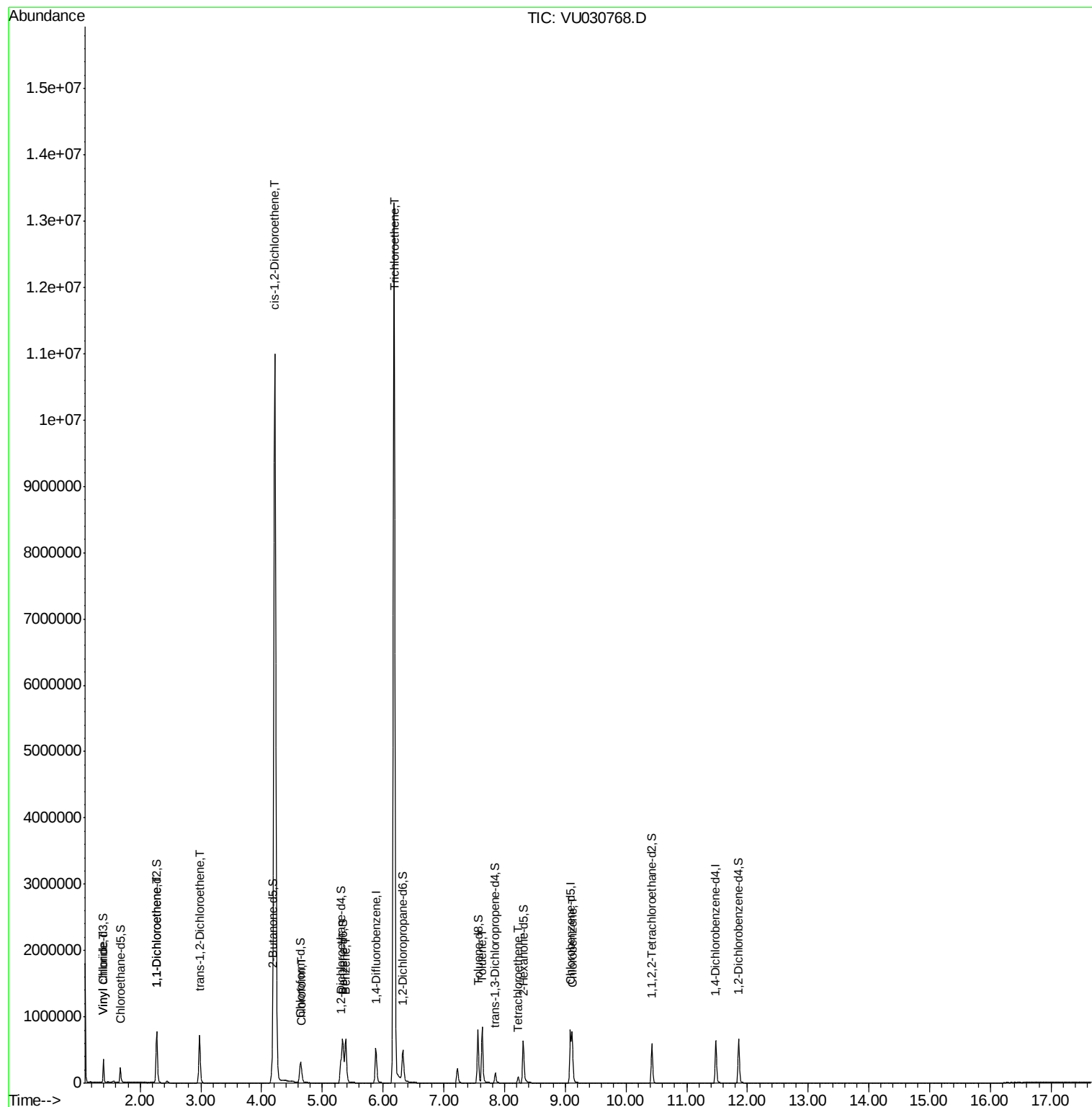
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	36874	7.799	ug/L #	81
12) 1,1-Dichloroethene	2.28	96	145400	48.930	ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	271464	86.037	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	5894576	1691.969	ug/L	98
25) Chloroform	4.67	83	22622	3.457	ug/L	94
33) Benzene	5.39	78	647333	48.035	ug/L	100
34) Trichloroethene	6.18	95	4720952	1428.289	ug/L	99
42) Toluene	7.63	91	618977	44.996	ug/L	99
46) Tetrachloroethene	8.22	164	20628	8.584	ug/L	95
51) Chlorobenzene	9.12	112	395392	46.864	ug/L	98

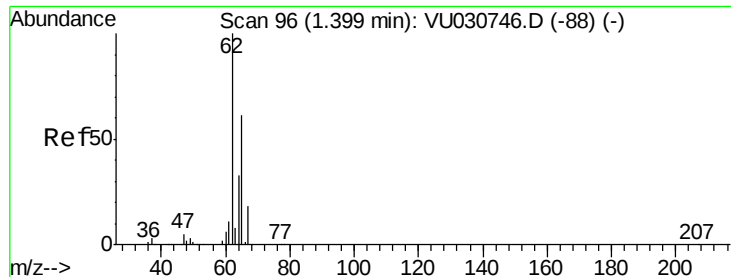
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 7.799 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU030768.D

Acq: 06 Apr 2019 01:49

Instrument :

MSVOA_U

ClientSampleId :

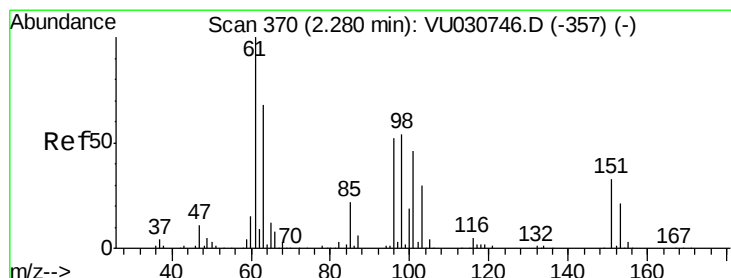
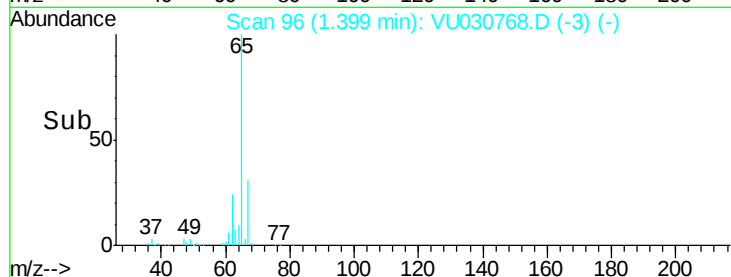
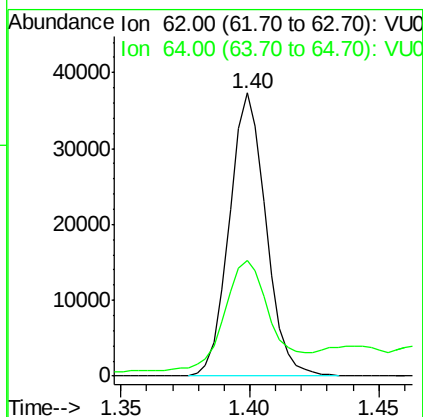
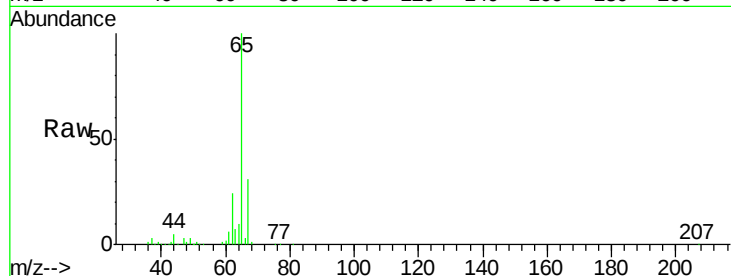
ETJ58MSD

Tot Ion: 62 Resp: 36874

Ion Ratio Lower Upper

62 100

64 41.1 21.5 39.9#



#12

1,1-Dichloroethene

Concen: 48.930 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU030768.D

Acq: 06 Apr 2019 01:49

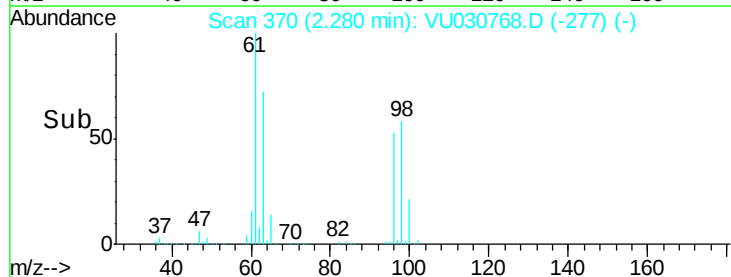
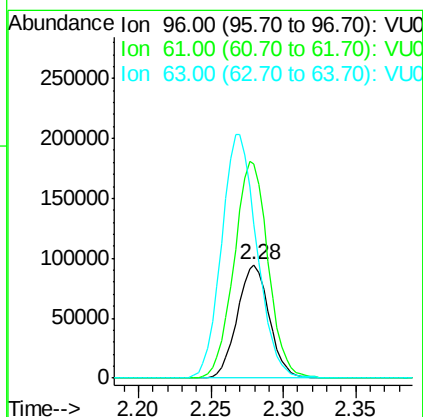
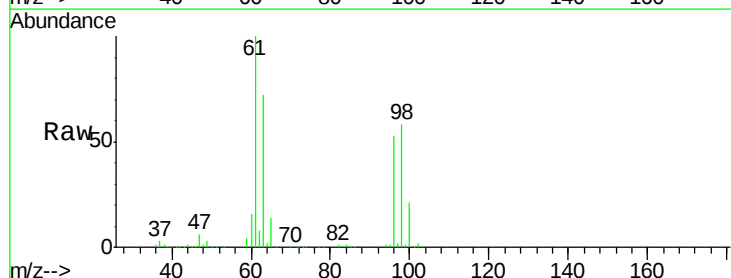
Tgt Ion: 96 Resp: 145400

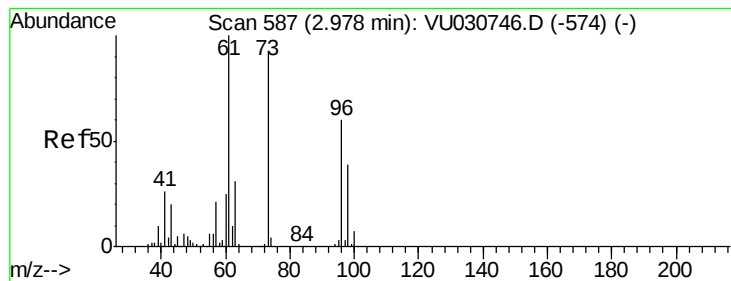
Ion Ratio Lower Upper

96 100

61 189.3 132.0 245.2

63 136.1 90.9 168.9





#17

trans-1,2-Dichloroethene

Concen: 86.037 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU030768.D

Acq: 06 Apr 2019 01:49

Instrument :

MSVOA_U

ClientSampled :

ETJ58MSD

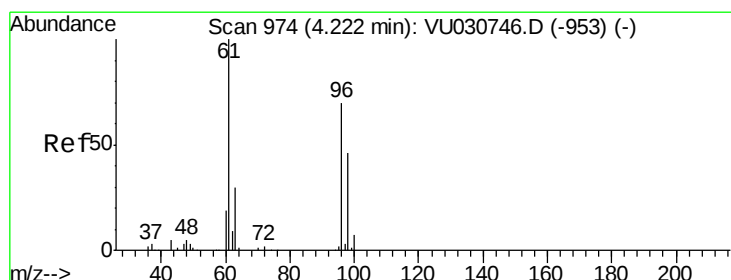
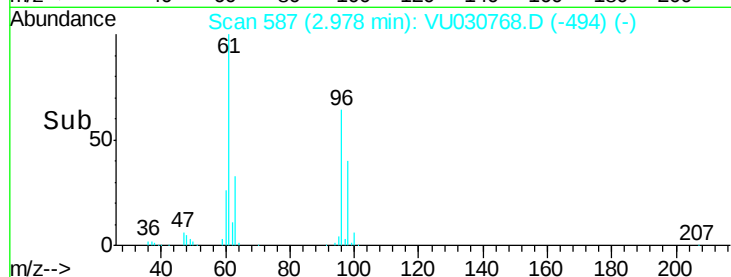
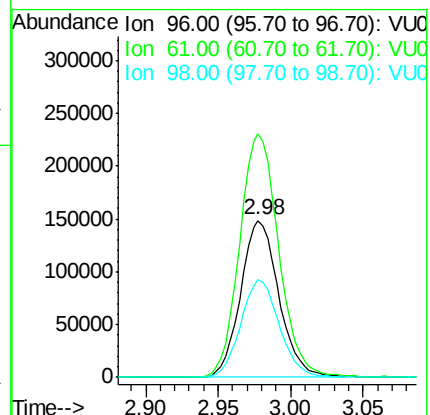
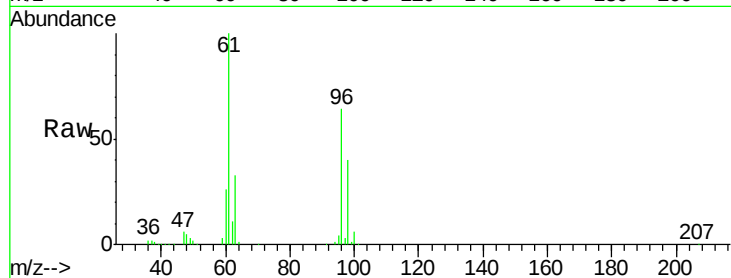
Tot Ion: 96 Resp: 271464

Ion Ratio Lower Upper

96 100

61 155.5 109.5 203.3

98 62.3 44.0 81.6



#20

cis-1,2-Dichloroethene

Concen: 1691.969 ug/L

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU030768.D

Acq: 06 Apr 2019 01:49

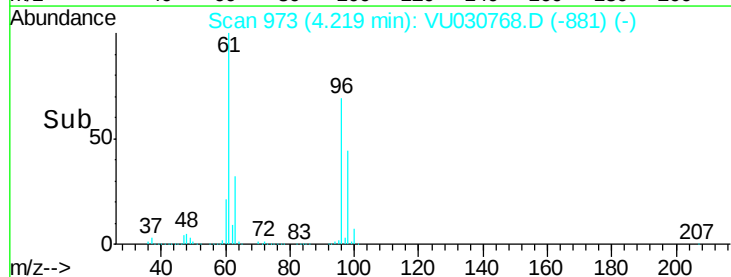
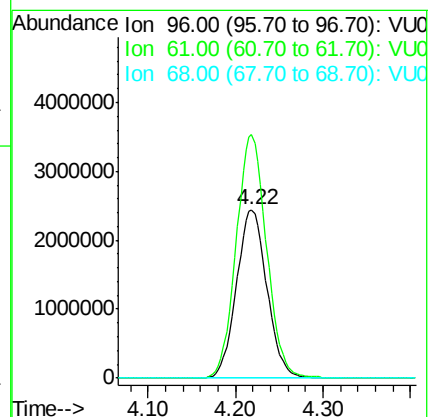
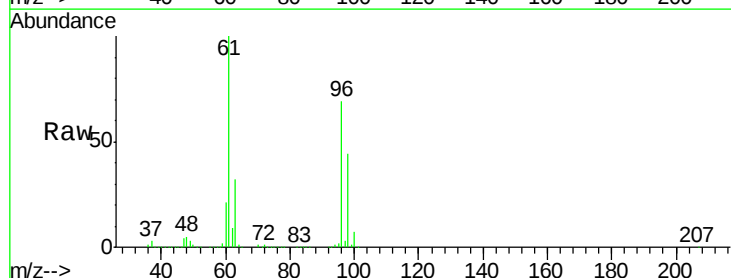
Tgt Ion: 96 Resp: 5894576

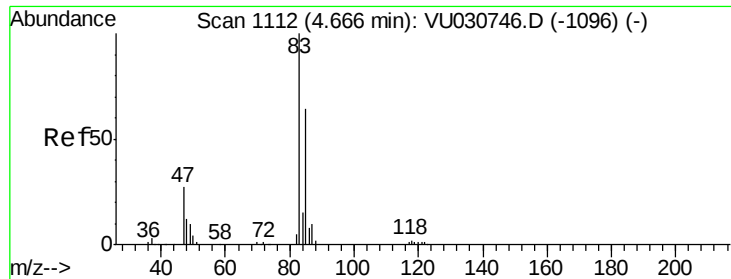
Ion Ratio Lower Upper

96 100

61 144.3 102.9 191.1

68 0.0 0.0 0.0

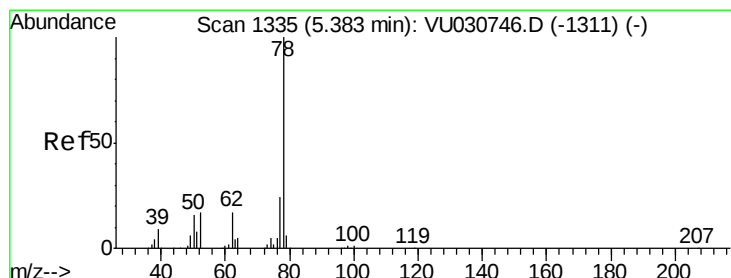
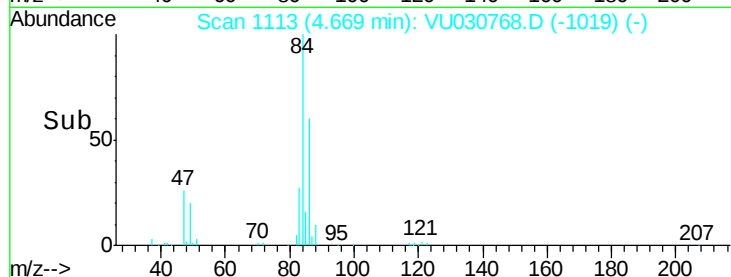
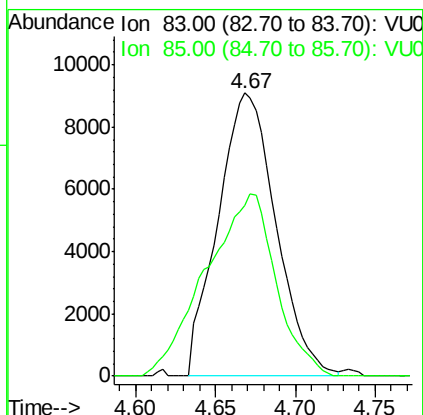
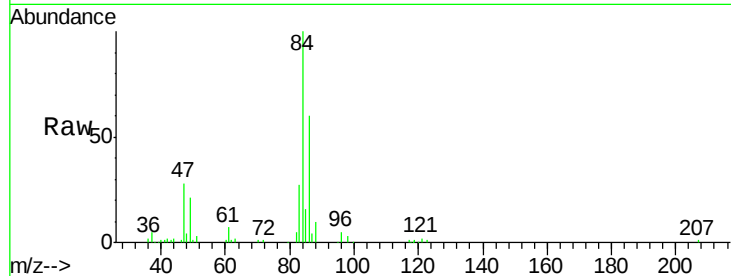




#25
Chloroform
Concen: 3.457 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU030768.D
Acq: 06 Apr 2019 01:49

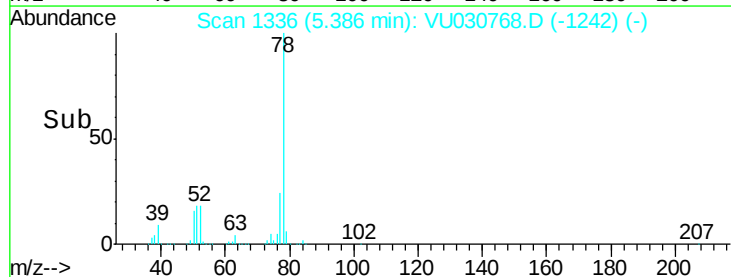
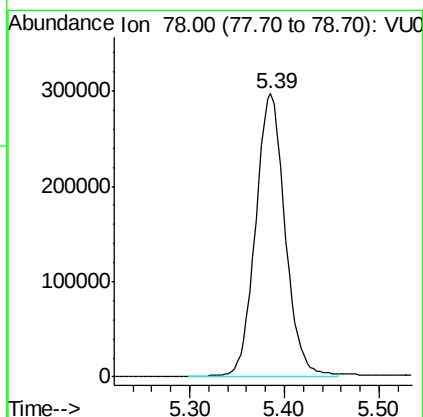
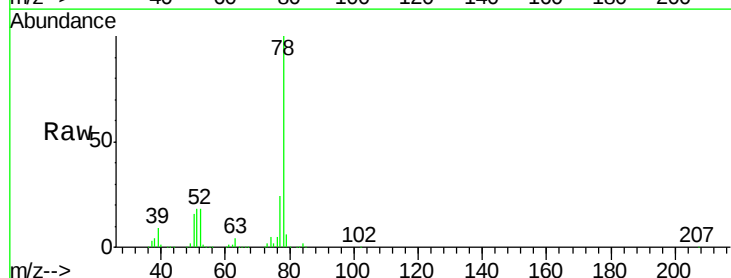
Instrument :
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ETJ58MSD

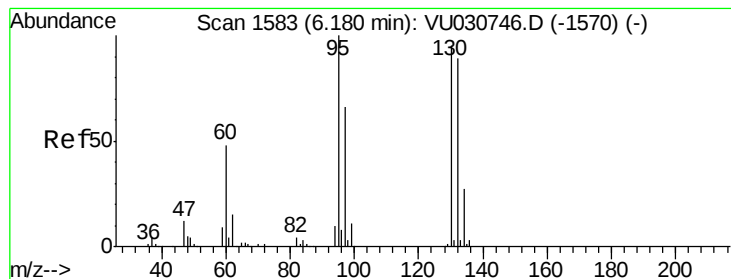
Tot Ion: 83 Resp: 22622
Ion Ratio Lower Upper
83 100
85 60.5 45.8 85.0



#33
Benzene
Concen: 48.035 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU030768.D
Acq: 06 Apr 2019 01:49

Tgt Ion: 78 Resp: 647333





#34

Trichloroethene

Concen: 1428.289 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU030768.D

Acq: 06 Apr 2019 01:49

Instrument :

MSVOA_U

ClientSampleId :

ETJ58MSD

Tot Ion: 95 Resp: 4720952

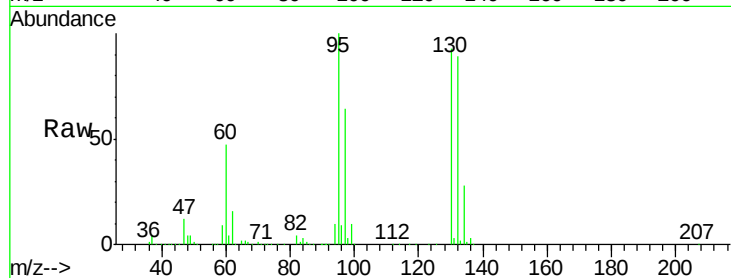
Ion Ratio Lower Upper

95 100

97 64.2 44.5 82.7

132 89.0 61.5 114.1

130 93.0 64.9 120.5

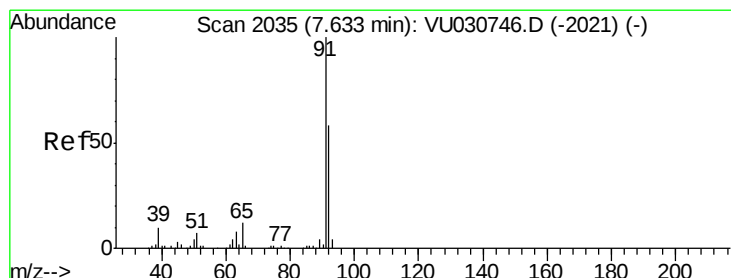
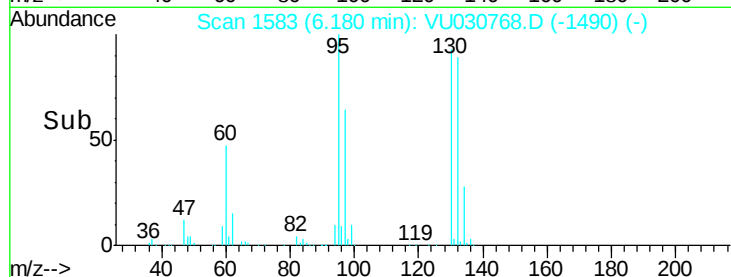
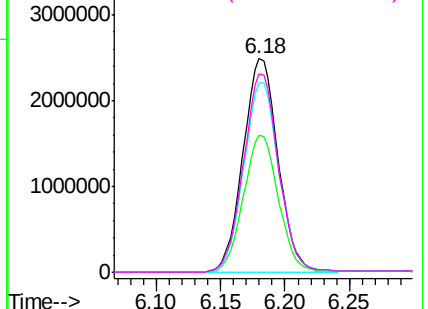


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#42

Toluene

Concen: 44.996 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU030768.D

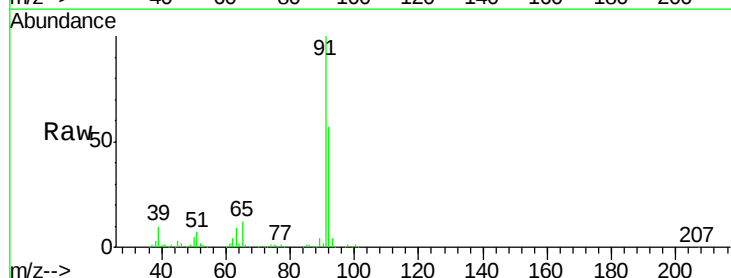
Acq: 06 Apr 2019 01:49

Tgt Ion: 91 Resp: 618977

Ion Ratio Lower Upper

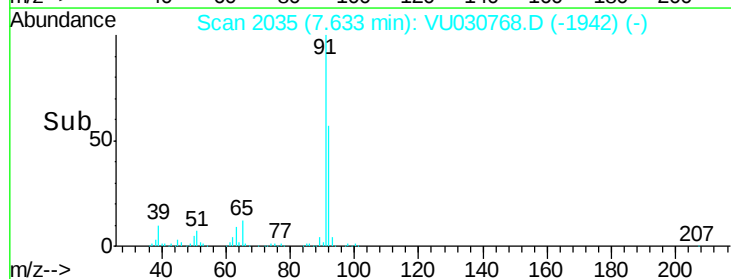
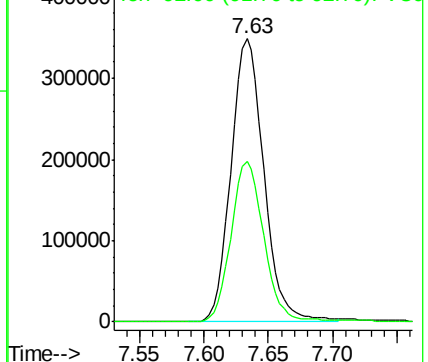
91 100

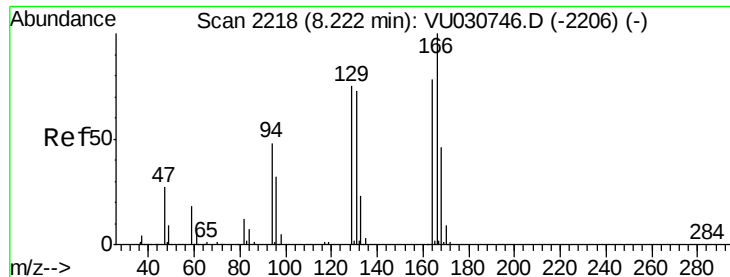
92 56.7 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0





#46

Tetrachloroethene

Concen: 8.584 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU030768.D

Acq: 06 Apr 2019 01:49

Instrument :

MSVOA_U

ClientSampleId :

ETJ58MSD

Tot Ion:164 Resp: 20628

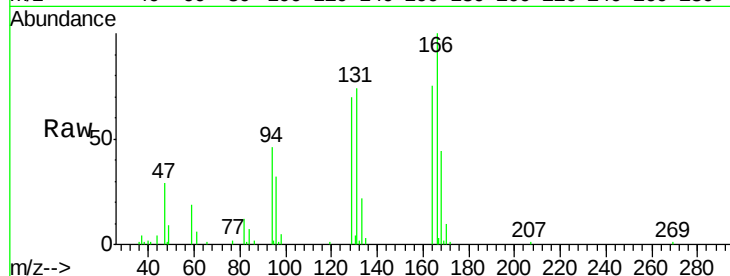
Ion Ratio Lower Upper

164 100

129 93.6 67.4 125.2

131 98.3 65.9 122.5

166 133.7 88.6 164.6

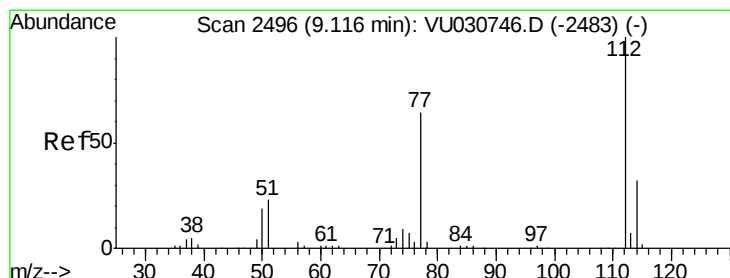
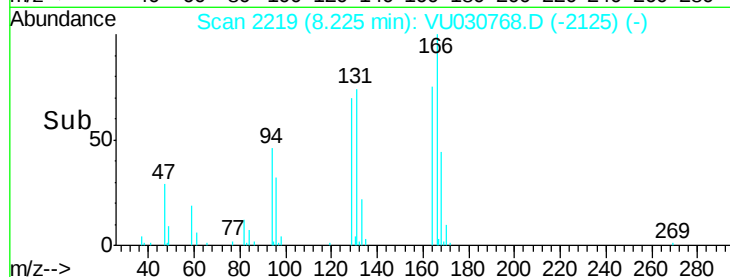
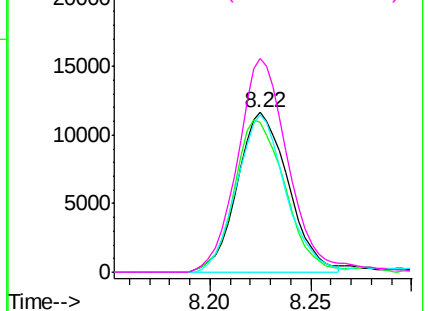


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#51

Chlorobenzene

Concen: 46.864 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

Lab File: VU030768.D

Acq: 06 Apr 2019 01:49

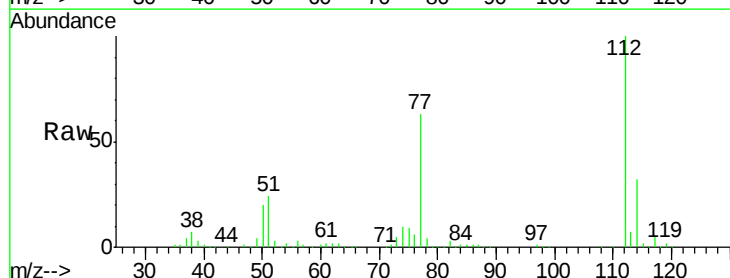
Tgt Ion:112 Resp: 395392

Ion Ratio Lower Upper

112 100

114 31.6 22.2 41.2

77 62.7 51.7 77.5



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V

