

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040619\
 Data File : VU030767.D
 Acq On : 06 Apr 2019 01:26
 Operator : JC/SP
 Sample : K2260-10MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETJ58MS

Quant Time: Apr 06 10:28:30 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	419005	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	392550	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	157747	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	190038	50.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.62%
7) Chloroethane-d5	1.68	69	157590	55.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	111.02%
11) 1,1-Dichloroethene-d2	2.27	63	326026	48.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.38%
21) 2-Butanone-d5	4.17	46	362158	122.17	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	122.17%
24) Chloroform-d	4.64	84	280696	49.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.26%
26) 1,2-Dichloroethane-d4	5.30	65	226662	58.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	116.28%
32) Benzene-d6	5.34	84	618378	53.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.92%
36) 1,2-Dichloropropane-d6	6.32	67	220595	56.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	112.34%
41) Toluene-d8	7.56	98	497812	49.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.02%
43) trans-1,3-Dichloropropene-	7.85	79	89183	49.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.60%
47) 2-Hexanone-d5	8.31	63	205184	114.31	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.31%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	304056	57.40	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	114.80%
64) 1,2-Dichlorobenzene-d4	11.85	152	163667	52.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.52%

Target Compounds

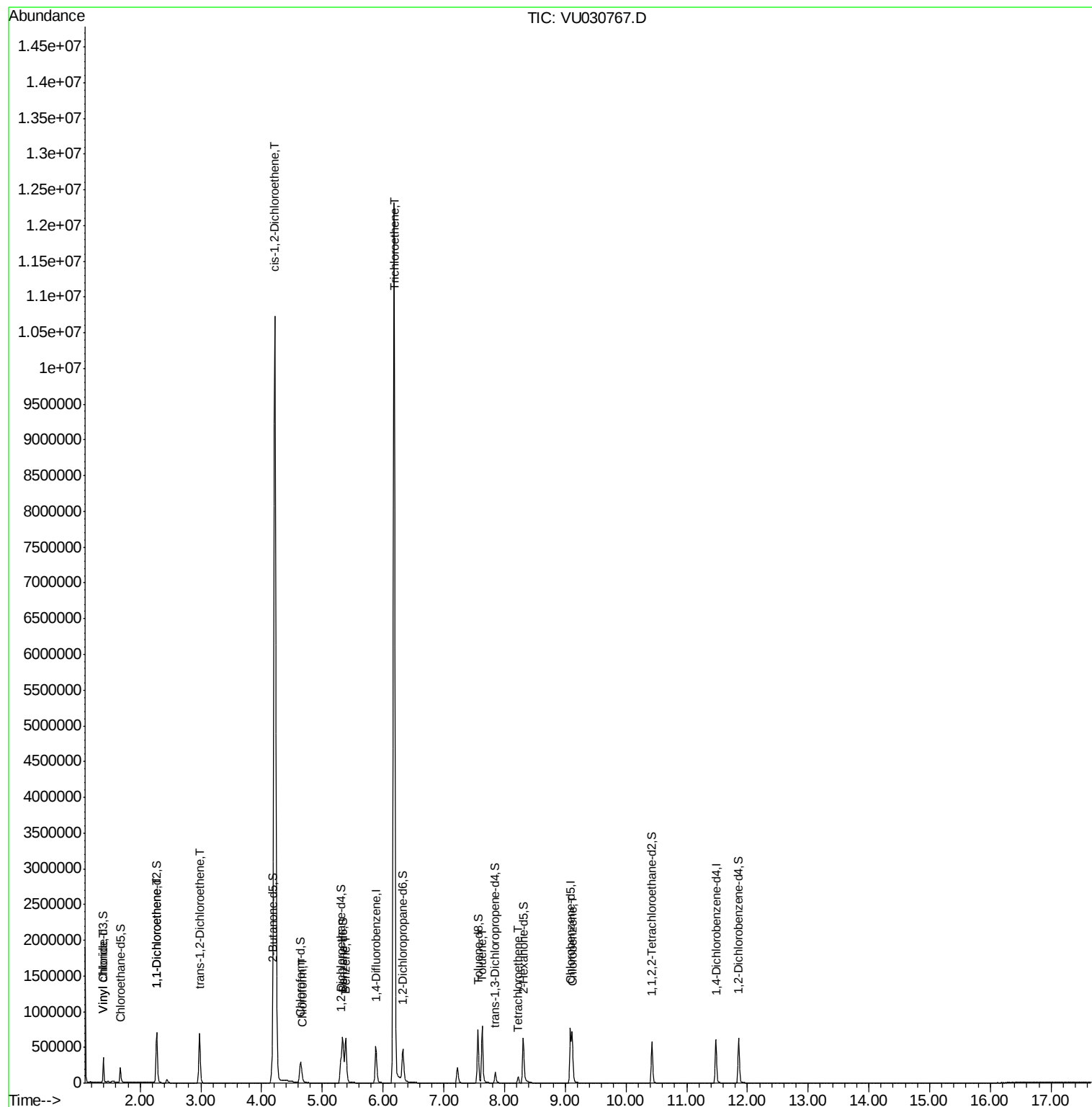
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	35314	7.663	ug/L #	76
12) 1,1-Dichloroethene	2.28	96	134047	46.281	ug/L #	84
17) trans-1,2-Dichloroethene	2.98	96	259011	84.222	ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	5759432	1696.112	ug/L	98
25) Chloroform	4.67	83	33184	5.202	ug/L	95
33) Benzene	5.39	78	604855	47.085	ug/L	100
34) Trichloroethene	6.18	95	4414256	1401.045	ug/L	99
42) Toluene	7.63	91	571072	43.551	ug/L	98
46) Tetrachloroethene	8.22	164	19257	8.407	ug/L	95
51) Chlorobenzene	9.12	112	364013	45.262	ug/L	98

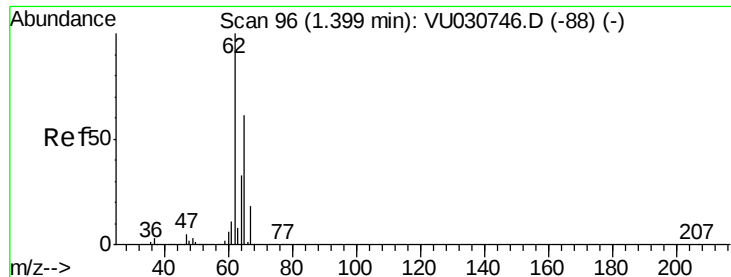
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Apr 06 02:16:29 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 7.663 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU030767.D

Acq: 06 Apr 2019 01:26

Instrument :

MSVOA_U

ClientSampleId :

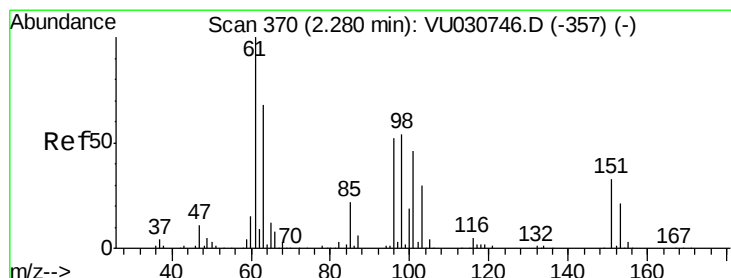
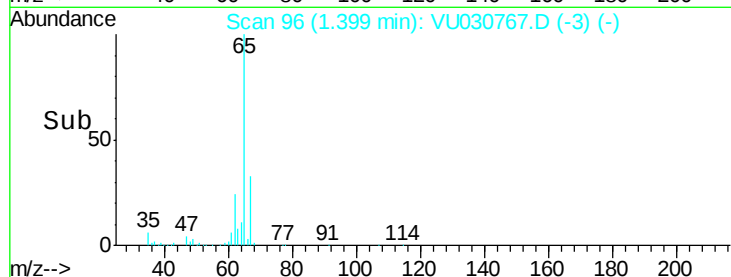
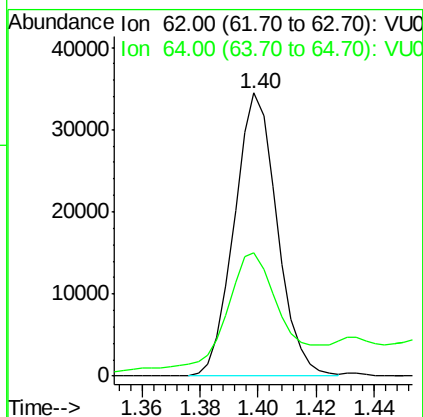
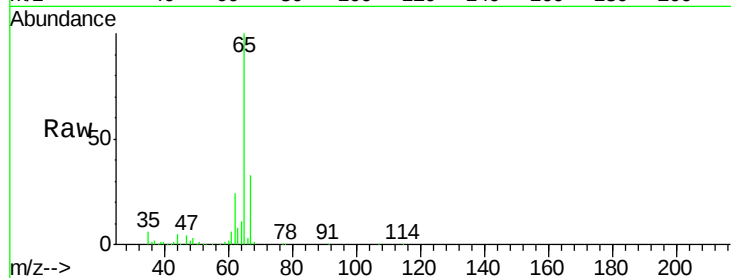
ETJ58MS

Tot Ion: 62 Resp: 35314

Ion Ratio Lower Upper

62 100

64 43.6 21.5 39.9#



#12

1,1-Dichloroethene

Concen: 46.281 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU030767.D

Acq: 06 Apr 2019 01:26

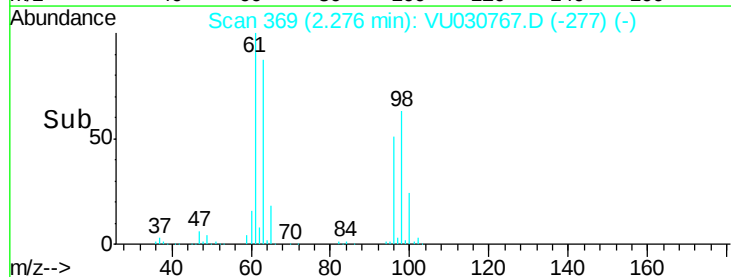
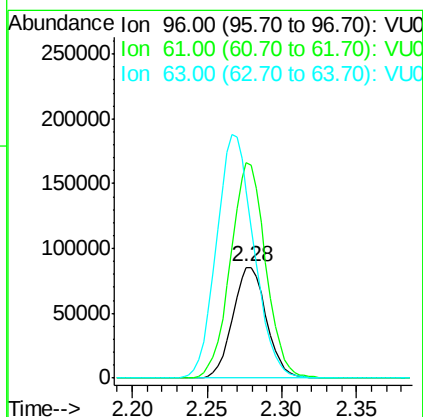
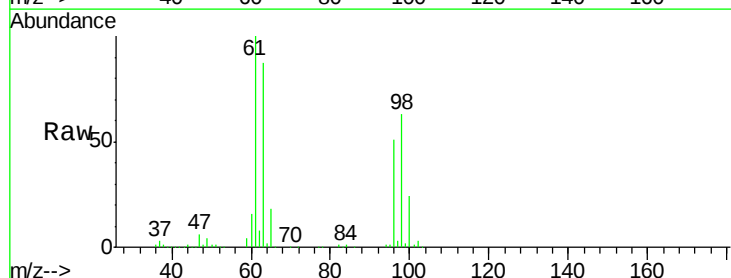
Tgt Ion: 96 Resp: 134047

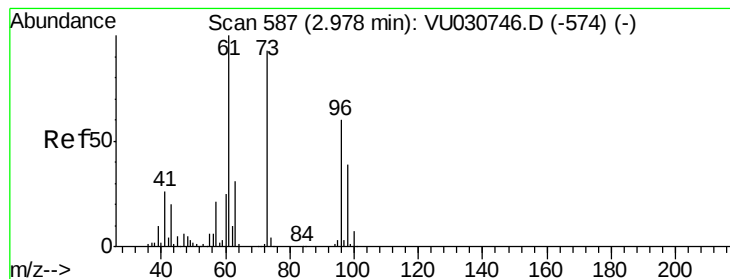
Ion Ratio Lower Upper

96 100

61 195.1 132.0 245.2

63 168.9 90.9 168.9#





#17

trans-1,2-Dichloroethene

Concen: 84.222 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU030767.D

Acq: 06 Apr 2019 01:26

Instrument :

MSVOA_U

ClientSampleId :

ETJ58MS

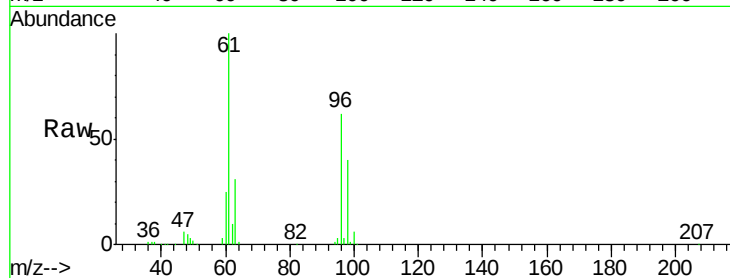
Tot Ion: 96 Resp: 259011

Ion Ratio Lower Upper

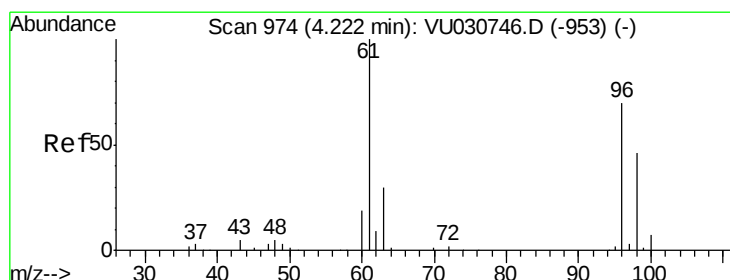
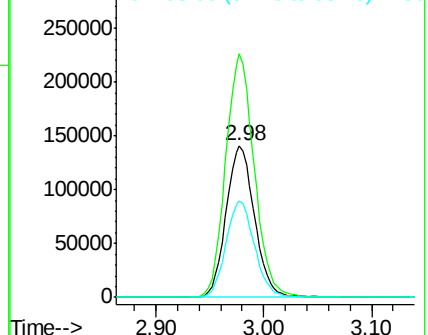
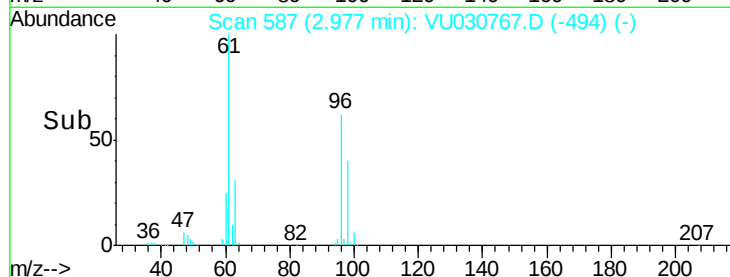
96 100

61 160.4 109.5 203.3

98 63.4 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU030767.D (-494) (-)



#20

cis-1,2-Dichloroethene

Concen: 1696.112 ug/L

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU030767.D

Acq: 06 Apr 2019 01:26

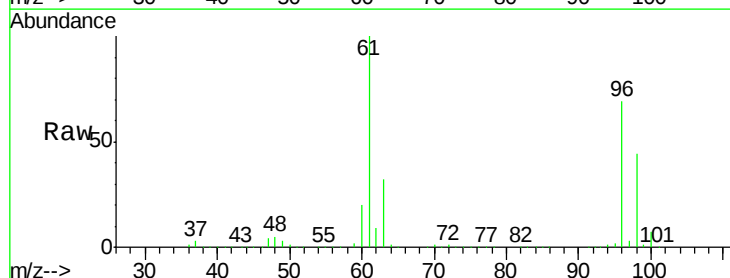
Tgt Ion: 96 Resp: 5759432

Ion Ratio Lower Upper

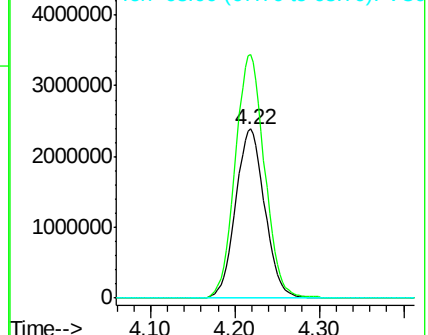
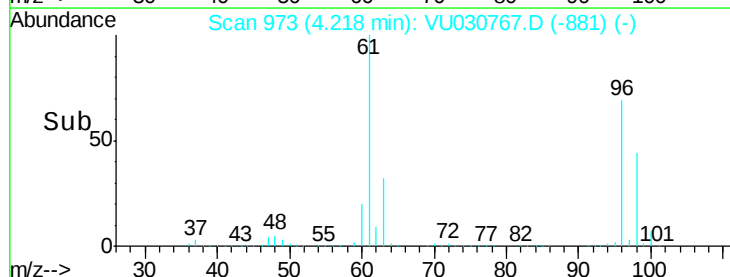
96 100

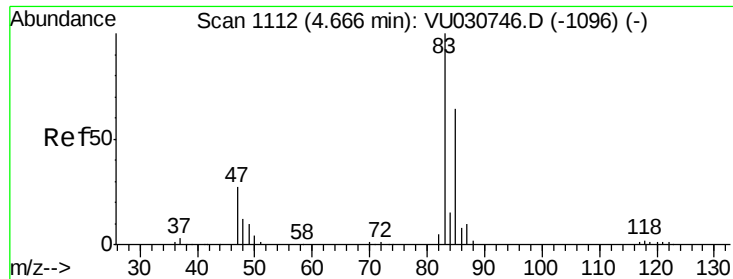
61 143.9 102.9 191.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU030767.D (-881) (-)

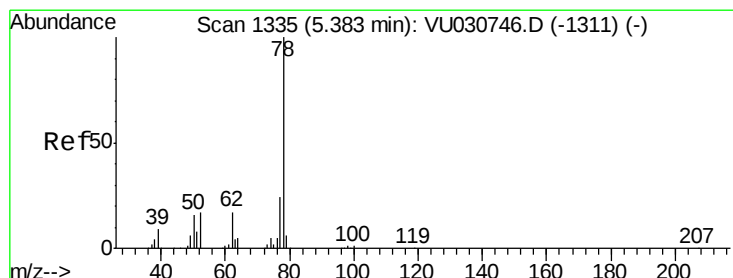
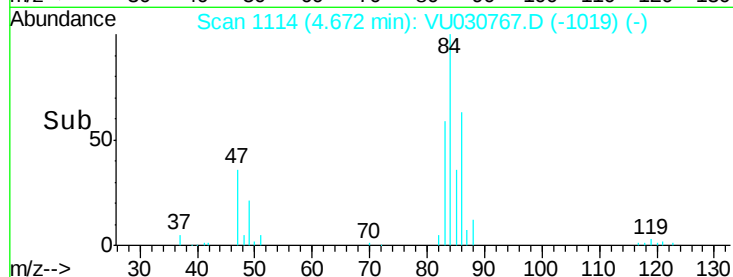
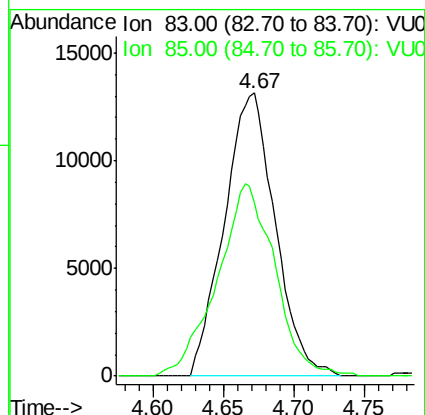
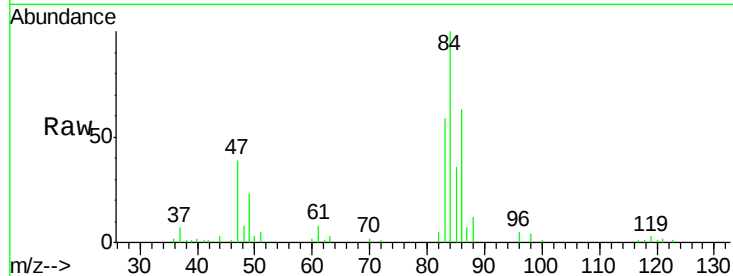




#25
Chloroform
Concen: 5.202 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VU030767.D
Acq: 06 Apr 2019 01:26

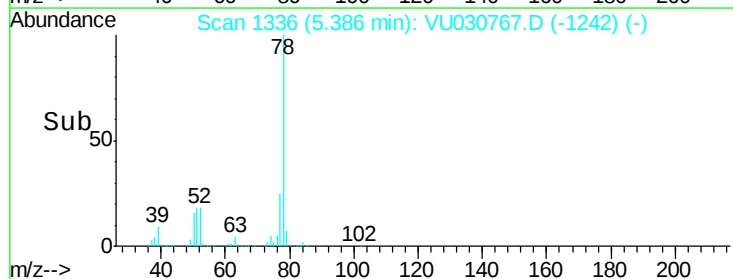
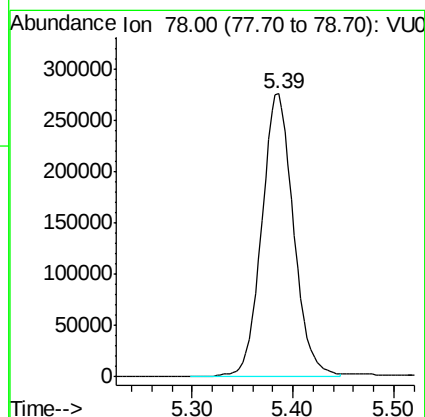
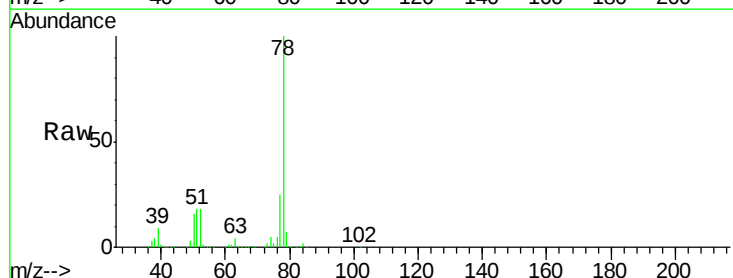
Instrument :
MSVOA_U
ClientSampleId :
ETJ58MS

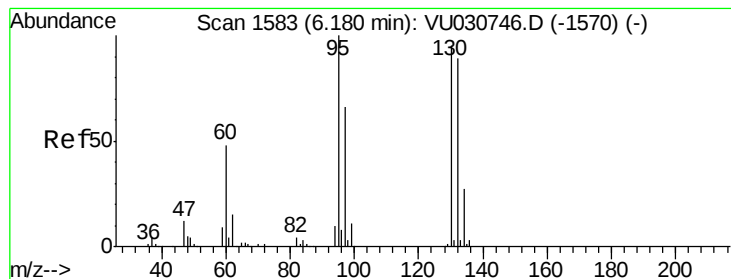
Tot Ion: 83 Resp: 33184
Ion Ratio Lower Upper
83 100
85 61.4 45.8 85.0



#33
Benzene
Concen: 47.085 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU030767.D
Acq: 06 Apr 2019 01:26

Tgt Ion: 78 Resp: 604855





#34

Trichloroethene

Concen: 1401.045 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU030767.D

Acq: 06 Apr 2019 01:26

Instrument :

MSVOA_U

ClientSampleId :

ETJ58MS

Tot Ion: 95 Resp: 4414256

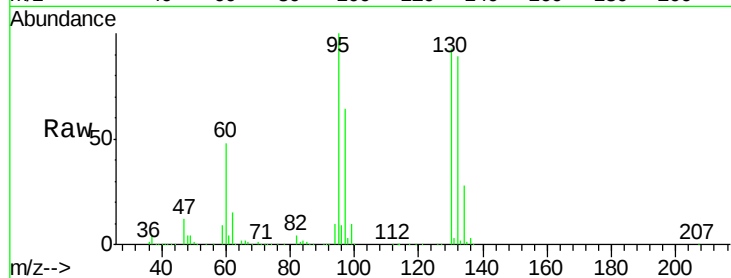
Ion Ratio Lower Upper

95 100

97 64.0 44.5 82.7

132 89.1 61.5 114.1

130 93.0 64.9 120.5

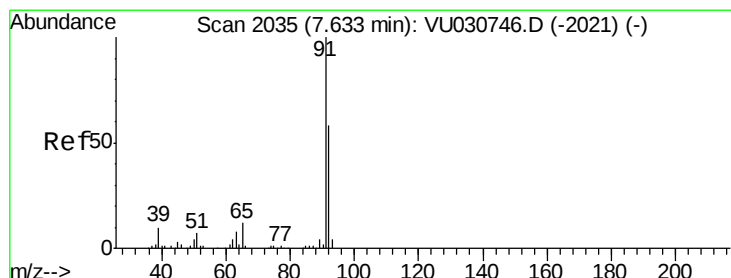
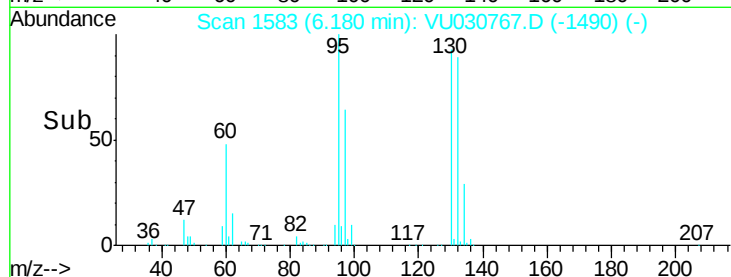
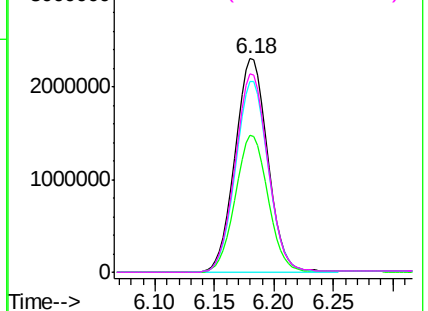


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 43.551 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU030767.D

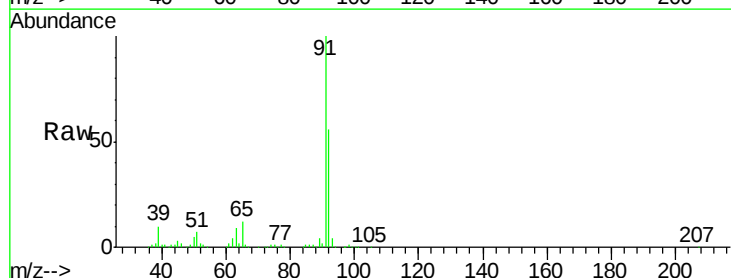
Acq: 06 Apr 2019 01:26

Tgt Ion: 91 Resp: 571072

Ion Ratio Lower Upper

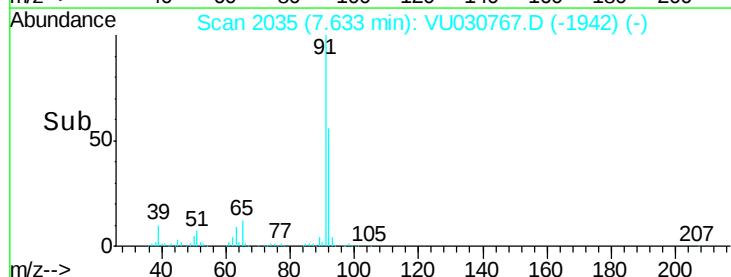
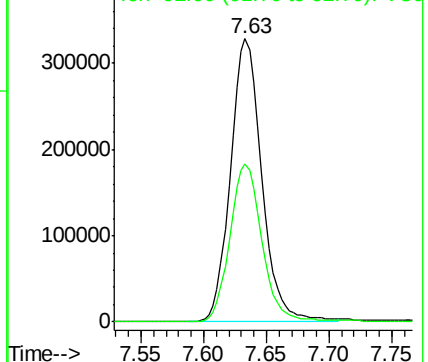
91 100

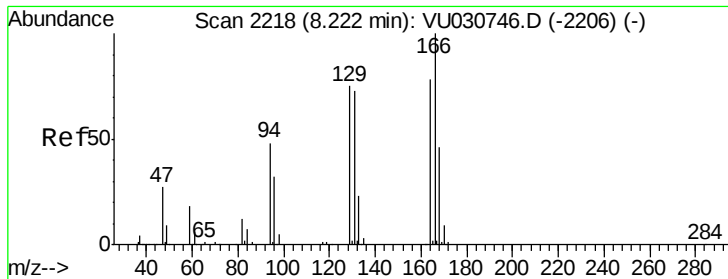
92 55.8 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0





#46

Tetrachloroethene

Concen: 8.407 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU030767.D

Acq: 06 Apr 2019 01:26

Instrument :

MSVOA_U

ClientSampleId :

ETJ58MS

Tot Ion:164 Resp: 19257

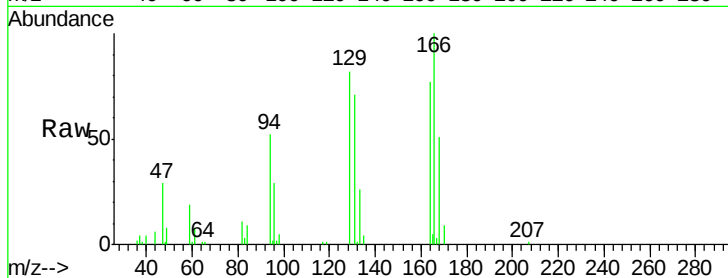
Ion Ratio Lower Upper

164 100

129 106.6 67.4 125.2

131 91.5 65.9 122.5

166 129.3 88.6 164.6

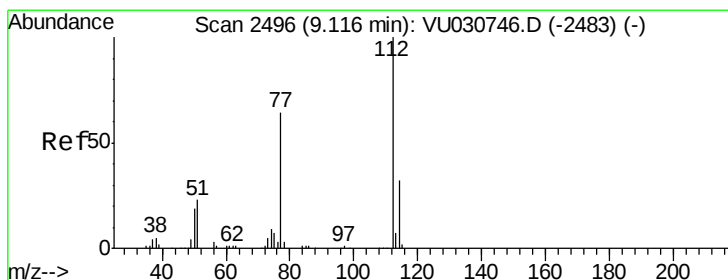
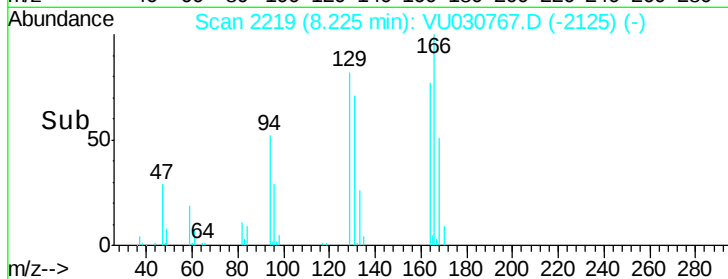
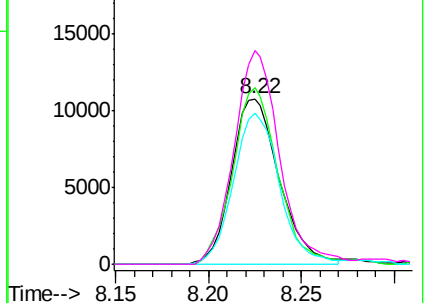


Abundance Ion 164.00 (163.70 to 164.70): V

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: 45.262 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

Lab File: VU030767.D

Acq: 06 Apr 2019 01:26

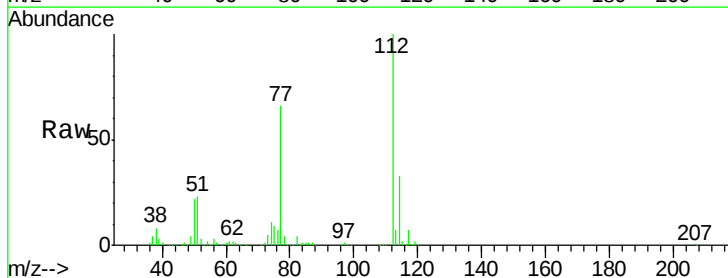
Tgt Ion:112 Resp: 364013

Ion Ratio Lower Upper

112 100

114 32.7 22.2 41.2

77 66.3 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

