

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040519\
 Data File : VU030727.D
 Acq On : 05 Apr 2019 08:46
 Operator : JC/SP
 Sample : K2249-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YD5

Quant Time: Apr 05 23:57:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 05 23:39:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	470637	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	455938	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	194072	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	236838	56.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	112.74%
7) Chloroethane-d5	1.68	69	161389	50.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.22%
11) 1,1-Dichloroethene-d2	2.27	63	322871	42.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.98%
21) 2-Butanone-d5	4.17	46	329780	99.04	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.04%
24) Chloroform-d	4.64	84	297871	46.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.82%
26) 1,2-Dichloroethane-d4	5.31	65	215200	49.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.28%
32) Benzene-d6	5.34	84	656317	49.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.62%
36) 1,2-Dichloropropane-d6	6.33	67	225261	49.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.76%
41) Toluene-d8	7.56	98	569008	48.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.46%
43) trans-1,3-Dichloropropene-	7.85	79	94391	45.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.76%
47) 2-Hexanone-d5	8.31	63	205723	98.68	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.68%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	296010	48.11	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.22%
64) 1,2-Dichlorobenzene-d4	11.86	152	193121	50.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

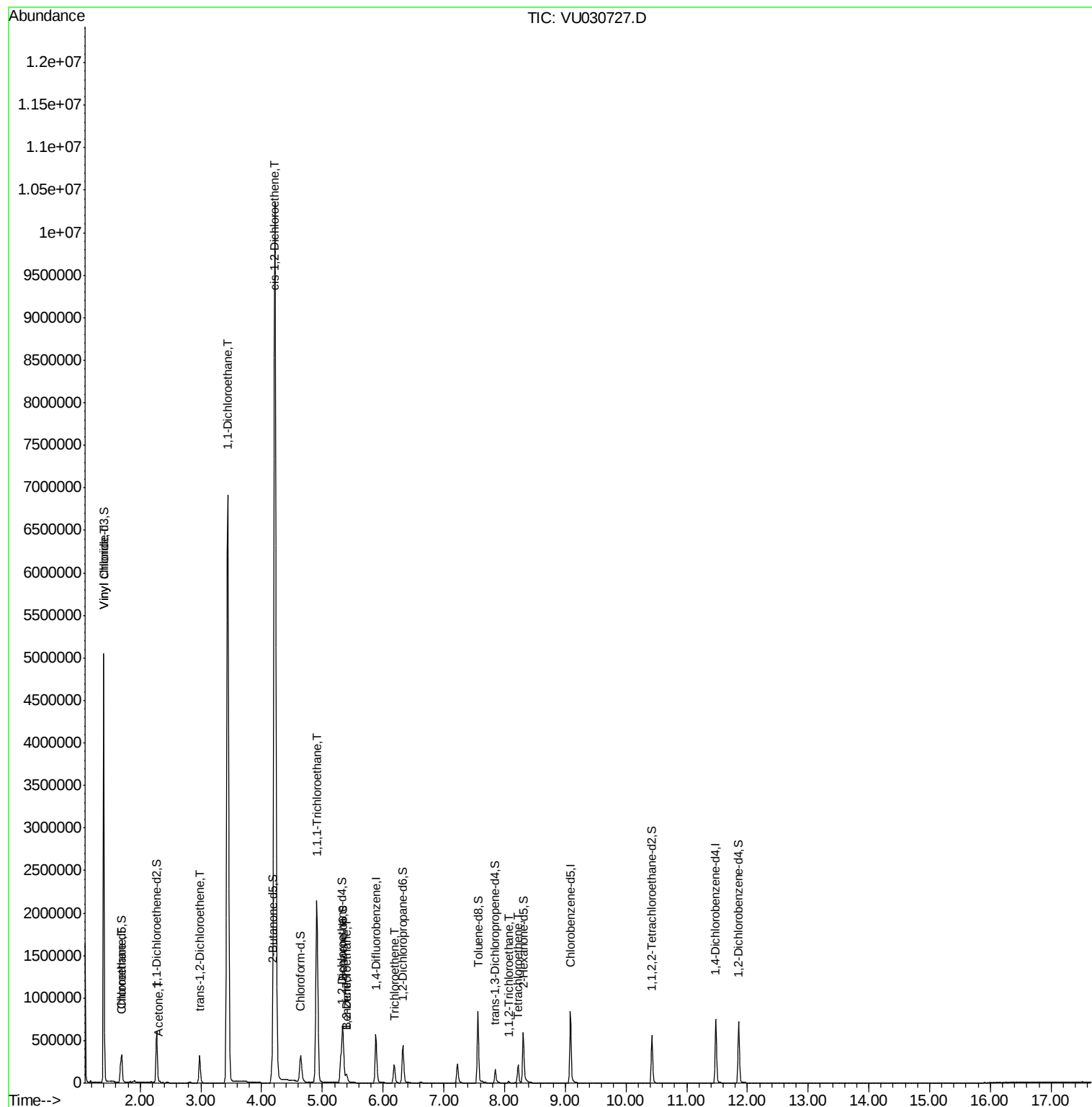
					Ovalue
5) Vinyl chloride	1.40	62	3016301	582.719	ug/L 98
8) Chloroethane	1.70	64	186084	63.030	ug/L 98
13) Acetone	2.32	43	8730	2.562	ug/L 100
17) trans-1,2-Dichloroethene	2.98	96	122717	35.526	ug/L 100
19) 1,1-Dichloroethane	3.44	63	7726866	1083.925	ug/L 98
20) cis-1,2-Dichloroethene	4.22	96	5549163	1454.908	ug/L 98
27) 1,2-Dichloroethane	5.40	62	53465	9.777	ug/L 98
30) 1,1,1-Trichloroethane	4.91	97	1671667	300.849	ug/L 100
33) Benzene	5.39	78	51129	3.427	ug/L 100
34) Trichloroethene	6.18	95	82013	22.411	ug/L 98
45) 1,1,2-Trichloroethane	8.07	97	6177	1.724	ug/L 91
46) Tetrachloroethene	8.22	164	50142	18.847	ug/L 97

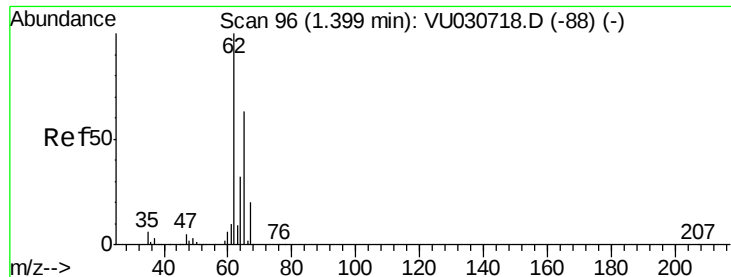
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 582.719 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU030727.D

Acq: 05 Apr 2019 08:46

Instrument :

MSVOA_U

ClientSampleId :

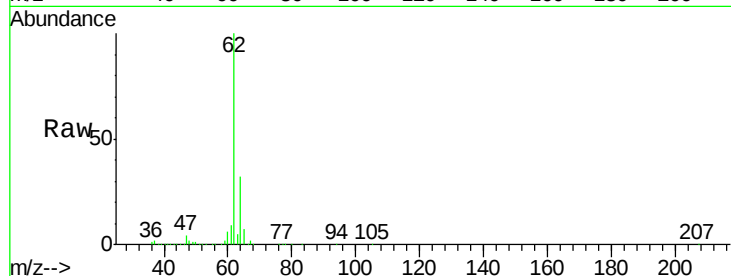
E3YD5

Tot Ion: 62 Resp: 3016301

Ion Ratio Lower Upper

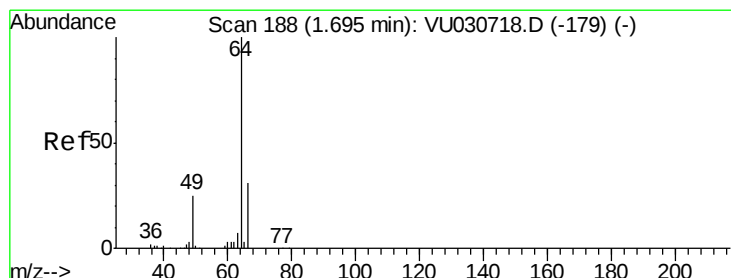
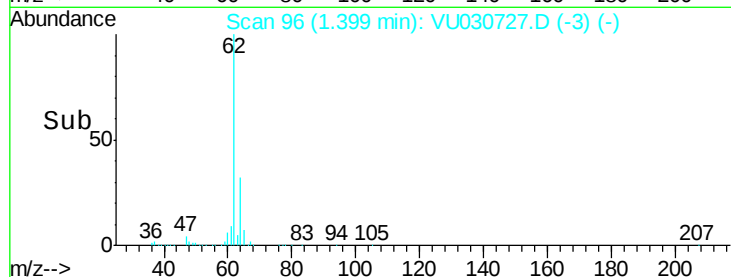
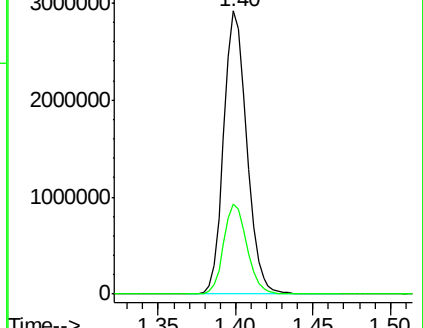
62 100

64 32.1 21.5 39.9



Abundance Ion 62.00 (61.70 to 62.70): VU030727.D (-62) (-)

Ion 64.00 (63.70 to 64.70): VU030727.D (-64) (-)



#8

Chloroethane

Concen: 63.030 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU030727.D

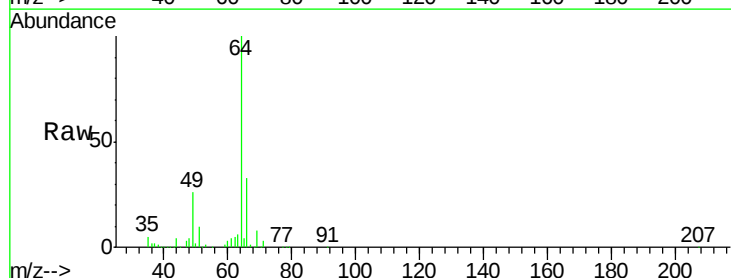
Acq: 05 Apr 2019 08:46

Tgt Ion: 64 Resp: 186084

Ion Ratio Lower Upper

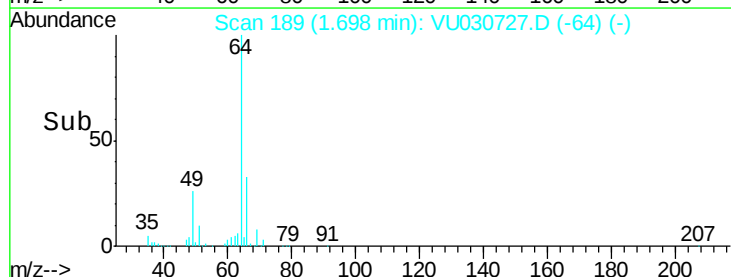
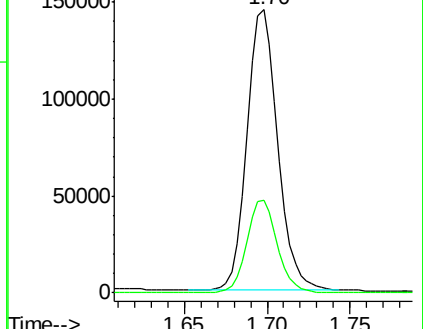
64 100

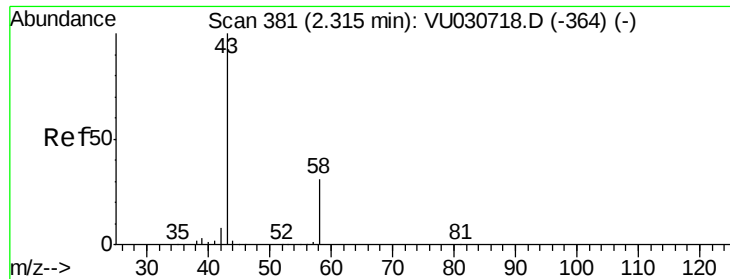
66 32.9 22.4 41.6



Abundance Ion 64.00 (63.70 to 64.70): VU030727.D (-64) (-)

Ion 66.00 (65.70 to 66.70): VU030727.D (-66) (-)





#13

Acetone

Concen: 2.562 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VU030727.D

Acq: 05 Apr 2019 08:46

Instrument :

MSVOA_U

ClientSampleId :

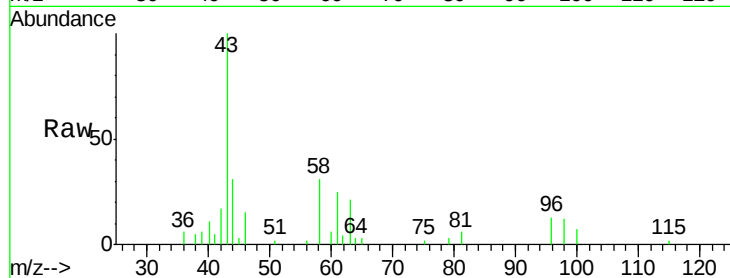
E3YD5

Tot Ion: 43 Resp: 8730

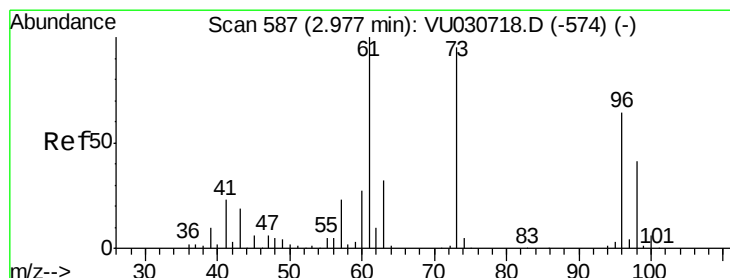
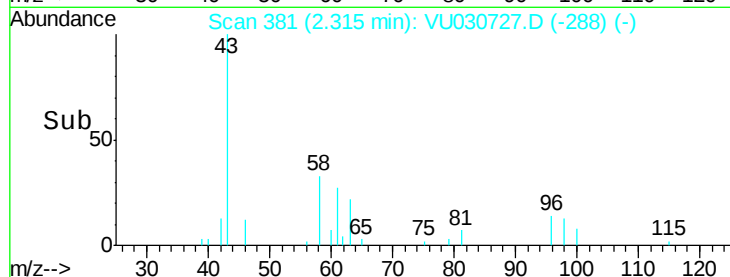
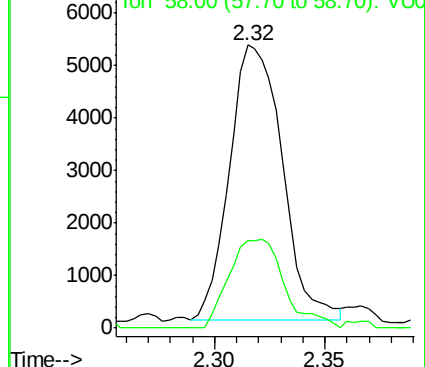
Ion Ratio Lower Upper

43 100

58 32.0 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU030727.D (-288) (-)



#17

trans-1,2-Dichloroethene

Concen: 35.526 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU030727.D

Acq: 05 Apr 2019 08:46

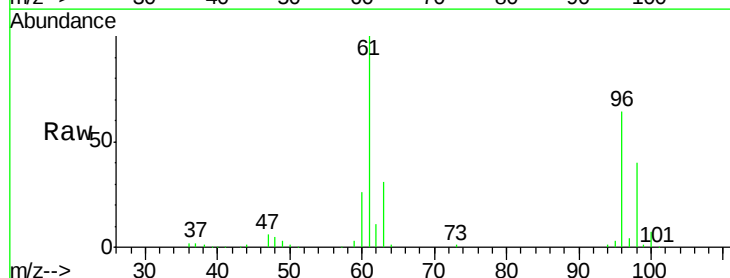
Tgt Ion: 96 Resp: 122717

Ion Ratio Lower Upper

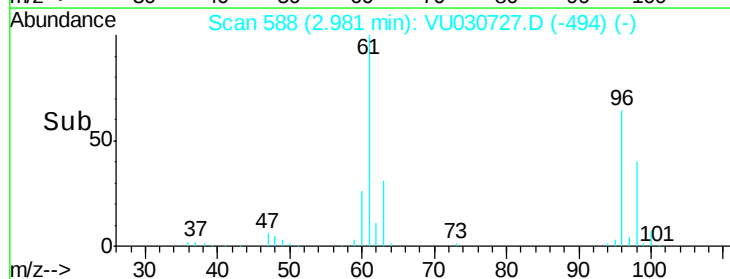
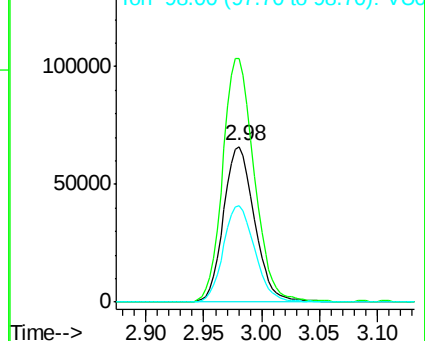
96 100

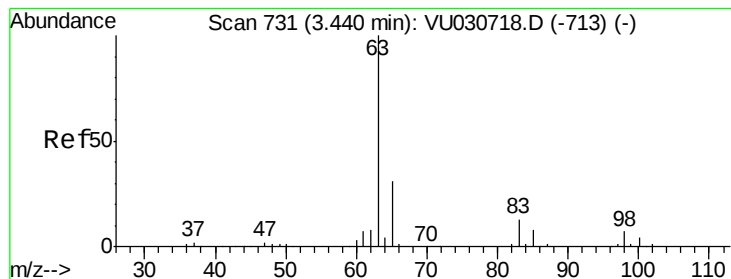
61 156.5 109.5 203.3

98 62.3 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU030727.D (-494) (-)





#19

1,1-Dichloroethane

Concen: 1083.925 ug/L

RT: 3.44 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU030727.D

Acq: 05 Apr 2019 08:46

Instrument :

MSVOA_U

ClientSampleId :

E3YD5

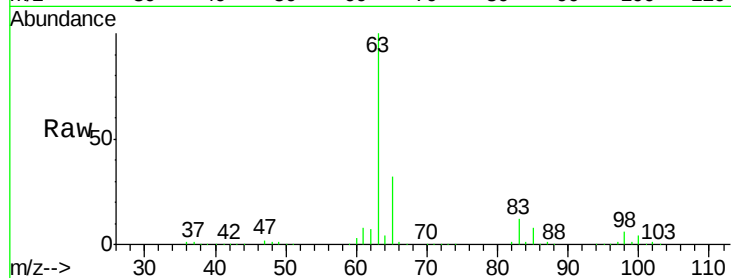
Tot Ion: 63 Resp: 7726866

Ion Ratio Lower Upper

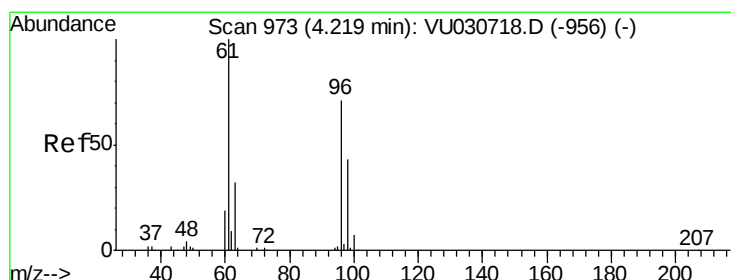
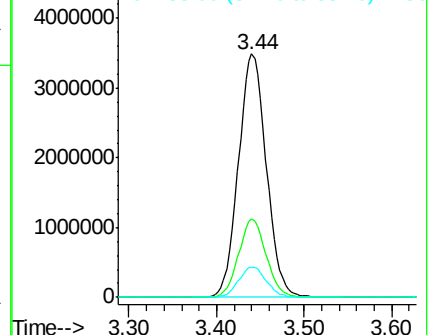
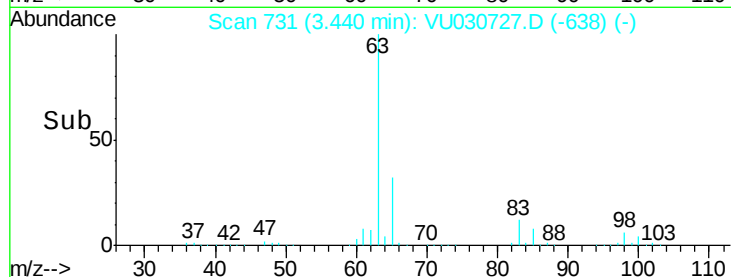
63 100

65 32.0 21.4 39.8

83 12.5 8.5 15.7



Abundance Ion 63.00 (62.70 to 63.70): VU030727.D (-638) (-)



#20

cis-1,2-Dichloroethene

Concen: 1454.908 ug/L

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU030727.D

Acq: 05 Apr 2019 08:46

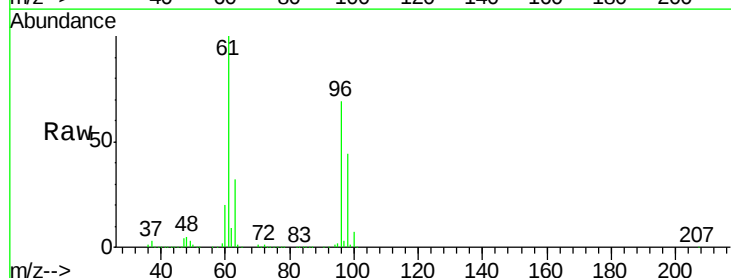
Tgt Ion: 96 Resp: 5549163

Ion Ratio Lower Upper

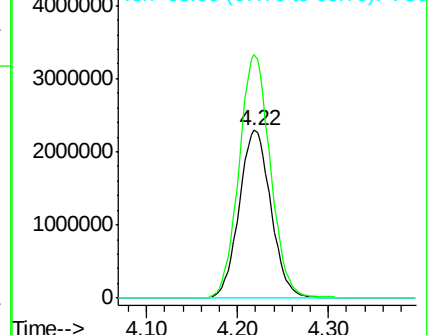
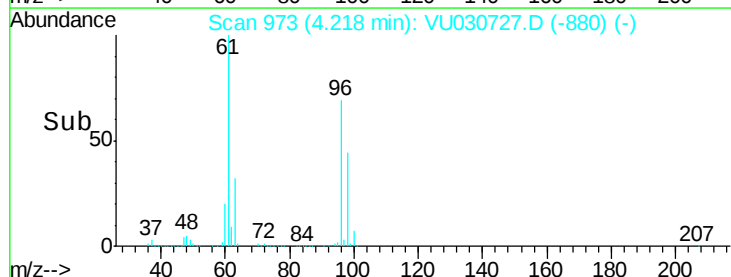
96 100

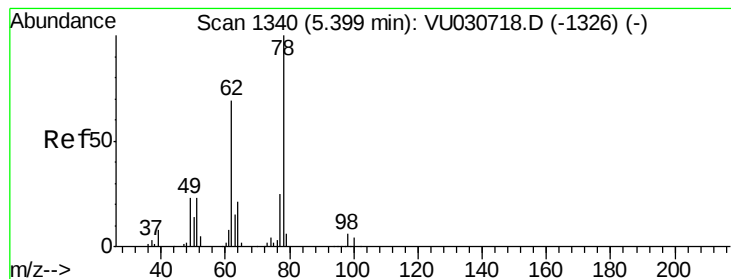
61 144.9 102.9 191.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU030727.D (-880) (-)





#27

1,2-Dichloroethane

Concen: 9.777 ug/L

RT: 5.40 min Scan# 1342

Delta R.T. 0.01 min

Lab File: VU030727.D

Acq: 05 Apr 2019 08:46

Instrument :

MSVOA_U

ClientSampleId :

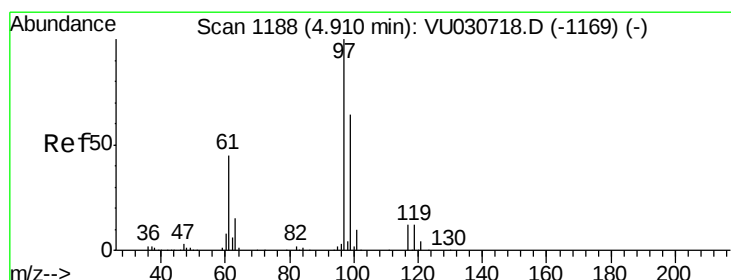
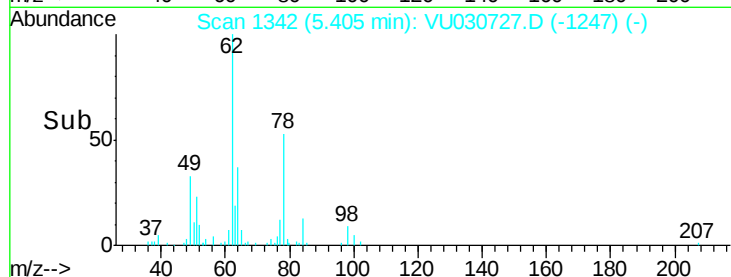
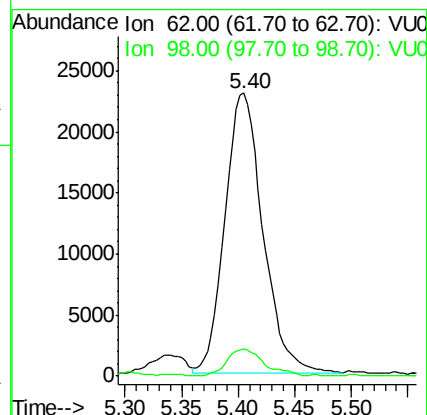
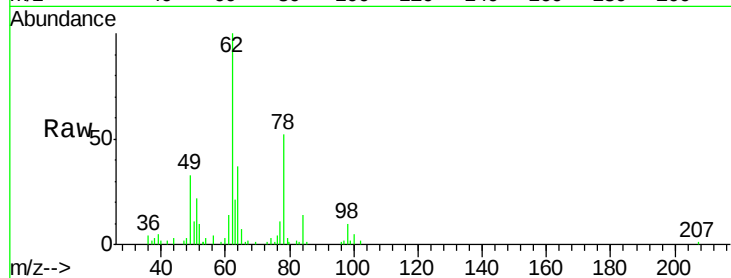
E3YD5

Tot Ion: 62 Resp: 53465

Ion Ratio Lower Upper

62 100

98 9.7 7.2 10.8



#30

1,1,1-Trichloroethane

Concen: 300.849 ug/L

RT: 4.91 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VU030727.D

Acq: 05 Apr 2019 08:46

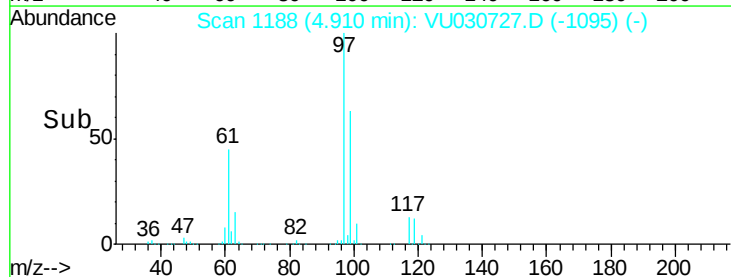
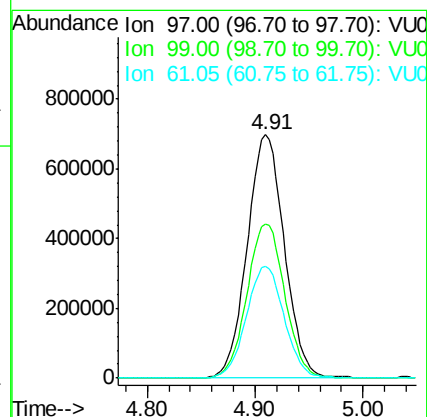
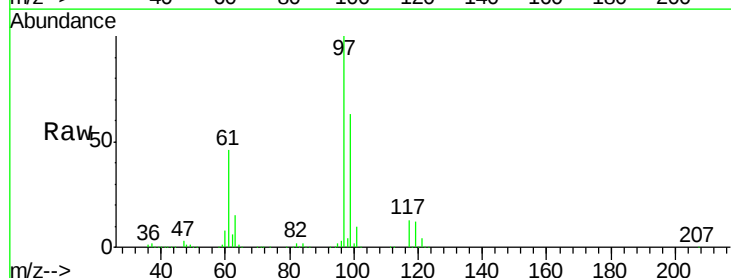
Tgt Ion: 97 Resp: 1671667

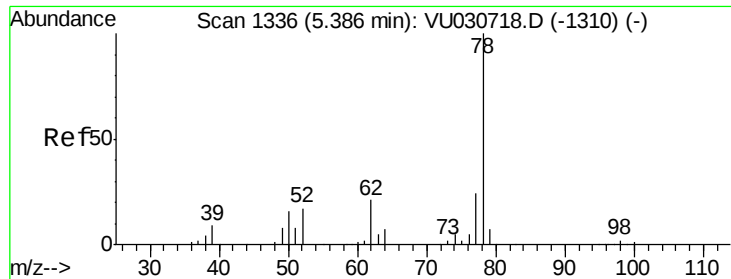
Ion Ratio Lower Upper

97 100

99 64.7 51.4 77.2

61 46.2 37.1 55.7

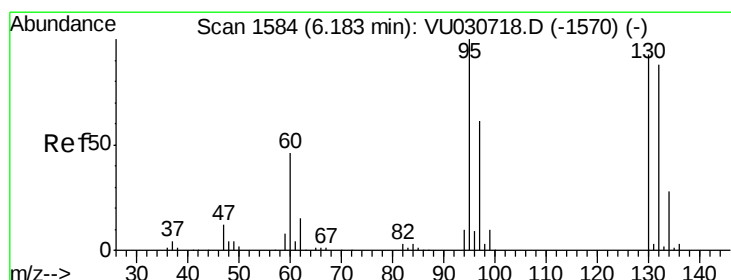
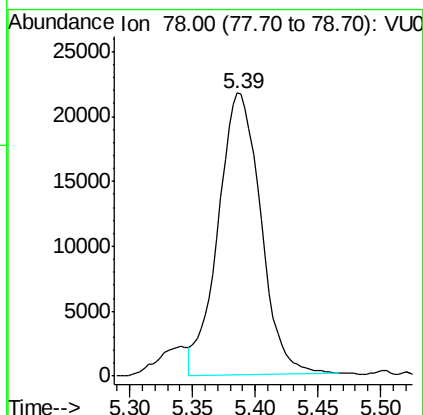
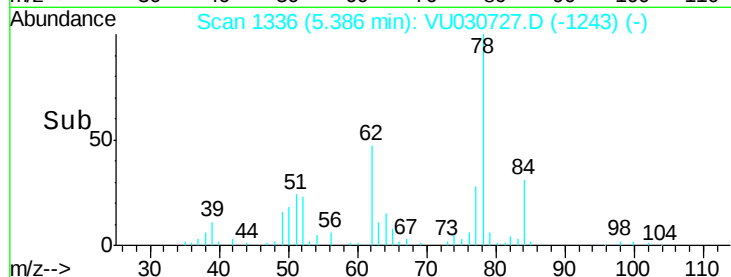
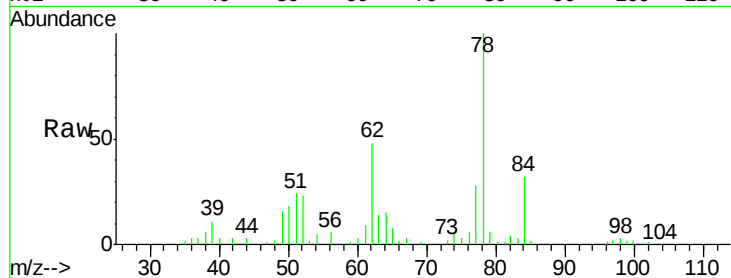




#33
Benzene
Concen: 3.427 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VU030727.D
Acq: 05 Apr 2019 08:46

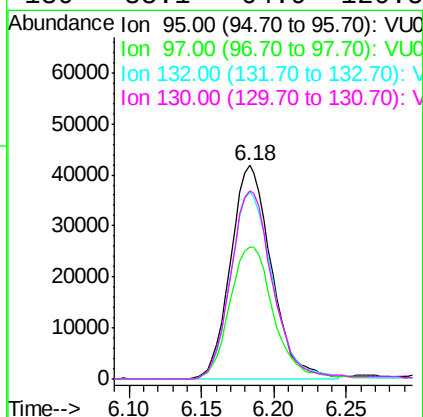
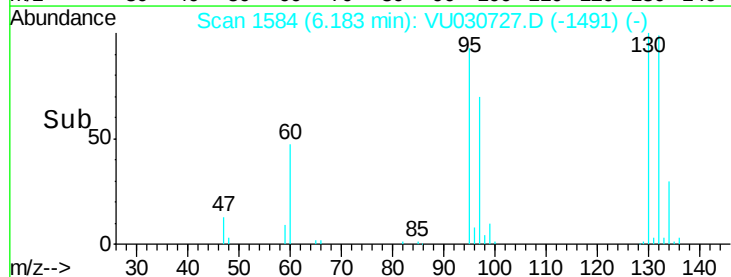
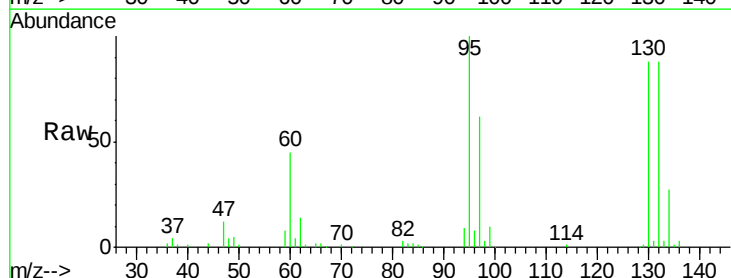
Instrument :
MSVOA_U
ClientSampled :
E3YD5

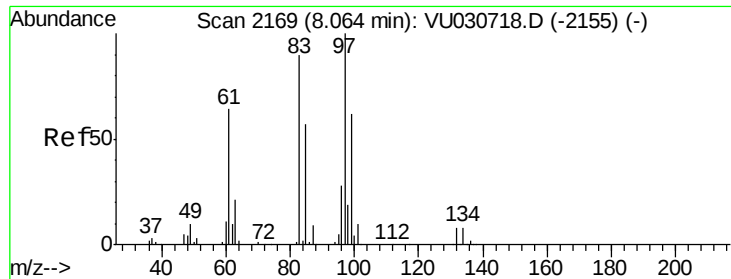
Tgt Ion: 78 Resp: 51129



#34
Trichloroethene
Concen: 22.411 ug/L
RT: 6.18 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VU030727.D
Acq: 05 Apr 2019 08:46

Tgt Ion: 95 Resp: 82013
Ion Ratio Lower Upper
95 100
97 62.0 44.5 82.7
132 87.6 61.5 114.1
130 88.1 64.9 120.5

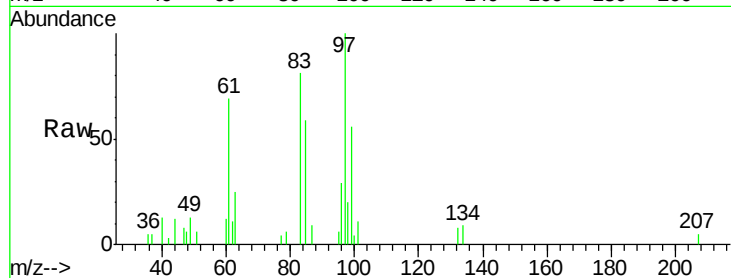




#45
 1,1,2-Trichloroethane
 Concen: 1.724 ug/L
 RT: 8.07 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU030727.D
 Acq: 05 Apr 2019 08:46

Instrument :
 MSVOA_U
 ClientSampleID :
 E3YD5

Tot Ion:	97	Resp:	6177
Ion	Ratio	Lower	Upper
97	100		
99	55.6	44.0	81.8
83	81.4	65.3	121.3
85	59.0	42.5	78.9



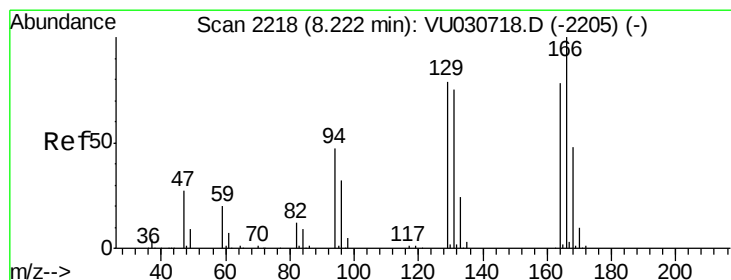
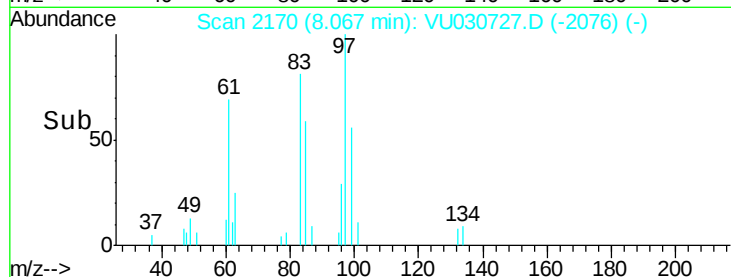
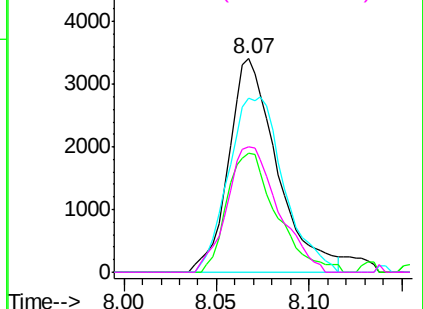
Abundance

Ion 97.00 (96.70 to 97.70): VU030727.D (-2170) (-)

Ion 99.00 (98.70 to 99.70): VU030727.D (-2170) (-)

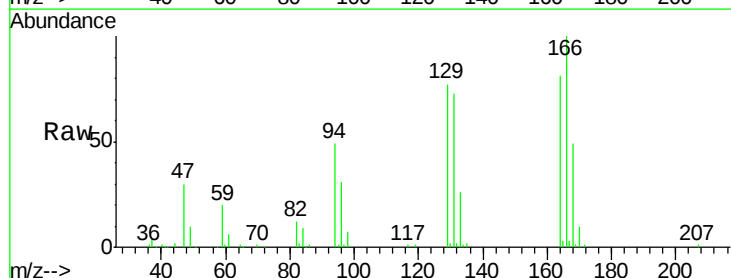
Ion 83.00 (82.70 to 83.70): VU030727.D (-2170) (-)

Ion 85.00 (84.70 to 85.70): VU030727.D (-2170) (-)



#46
 Tetrachloroethene
 Concen: 18.847 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU030727.D
 Acq: 05 Apr 2019 08:46

Tgt Ion:	164	Resp:	50142
Ion	Ratio	Lower	Upper
164	100		
129	94.8	67.4	125.2
131	90.4	65.9	122.5
166	123.5	88.6	164.6



Abundance

Ion 164.00 (163.70 to 164.70): VU030727.D (-2219) (-)

Ion 129.00 (128.70 to 129.70): VU030727.D (-2219) (-)

Ion 131.00 (130.70 to 131.70): VU030727.D (-2219) (-)

Ion 166.00 (165.70 to 166.70): VU030727.D (-2219) (-)

