

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082318\
 Data File : VU026322.D
 Acq On : 24 Aug 2018 00:28
 Operator : MD/SY
 Sample : J4622-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 24 02:09:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 24 02:06:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.90	114	332763	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	339999	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	173495	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	93267	45.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.90%
7) Chloroethane-d5	1.68	69	72697	43.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.84%
11) 1,1-Dichloroethene-d2	2.28	63	183617	46.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.06%
21) 2-Butanone-d5	4.20	46	157510	97.24	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.24%
24) Chloroform-d	4.65	84	201691	44.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.16%
26) 1,2-Dichloroethane-d4	5.31	65	131070	44.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.04%
32) Benzene-d6	5.35	84	404042	44.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.84%
36) 1,2-Dichloropropane-d6	6.37	67	142169	48.68	ug/L	0.03
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.36%
41) Toluene-d8	7.57	98	393103	45.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.44%
43) trans-1,3-Dichloropropene-	7.85	79	67996	45.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.12%
47) 2-Hexanone-d5	8.31	63	113710	91.10	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.10%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	186769	43.21	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.42%
64) 1,2-Dichlorobenzene-d4	11.86	152	164457	44.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.34%

Target Compounds

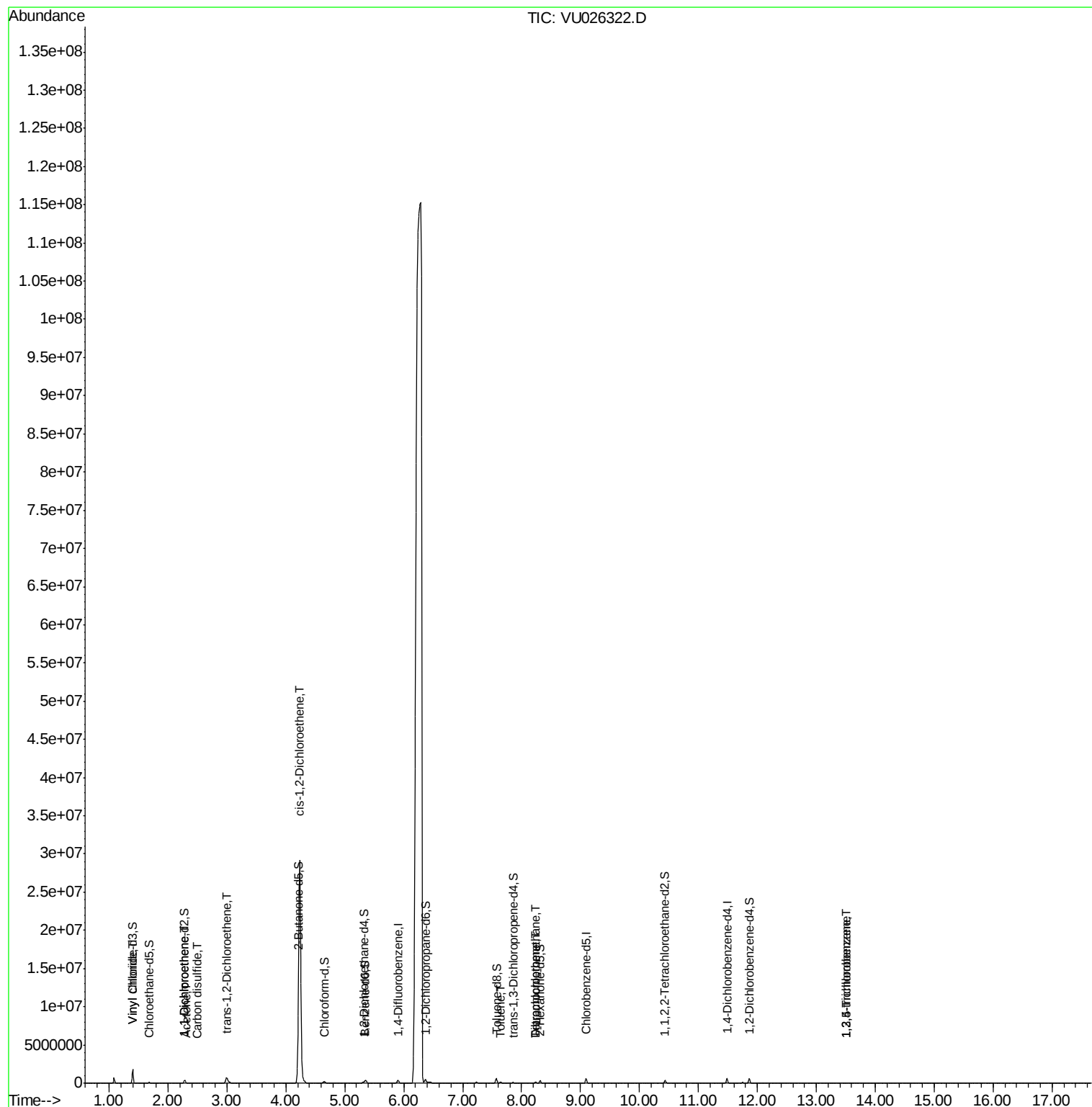
					Ovalue
5) Vinyl chloride	1.40	62	1077208	443.812	ug/L 96
12) 1,1-Dichloroethene	2.29	96	94152	53.758	ug/L 93
13) Acetone	2.32	43	7168	5.718	ug/L 97
14) Carbon disulfide	2.49	76	12292	1.829	ug/L 99
17) trans-1,2-Dichloroethene	2.99	96	460709	213.412	ug/L 98
20) cis-1,2-Dichloroethene	4.23	96	17901652	7512.626	ug/L 96
42) Toluene	7.64	91	71549	7.255	ug/L 96
46) Tetrachloroethene	8.23	164	21983	10.423	ug/L 96
49) Dibromochloromethane	8.23	129	20230	6.879	ug/L # 11
67) 1,3,5-Trichlorobenzene	13.51	180	17960	4.474	ug/L 96
68) 1,2,4-trichlorobenzene	13.51	180	17960	5.125	ug/L 97

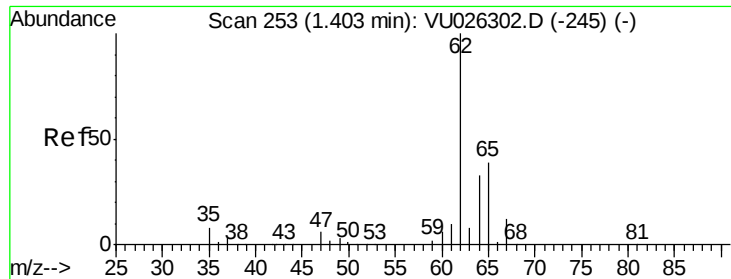
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Aug 24 02:06:29 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 443.812 ug/L

RT: 1.40 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU026322.D

Acq: 24 Aug 2018 00:28

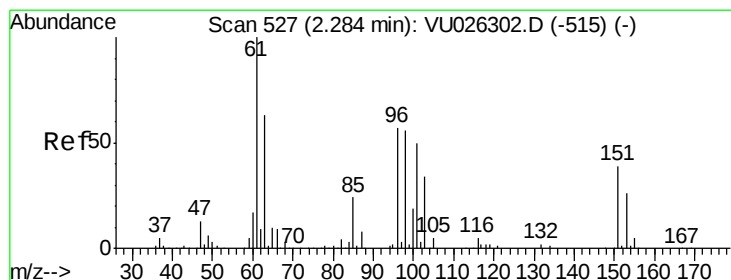
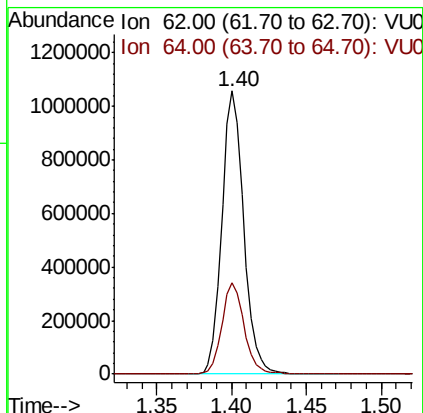
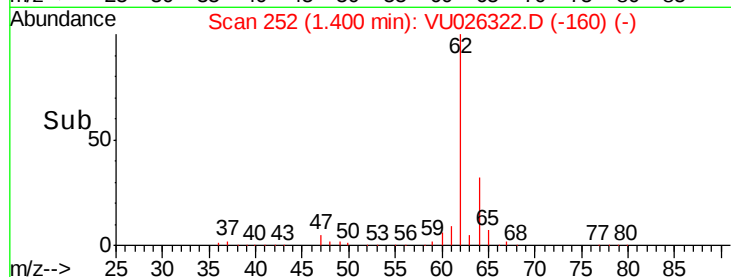
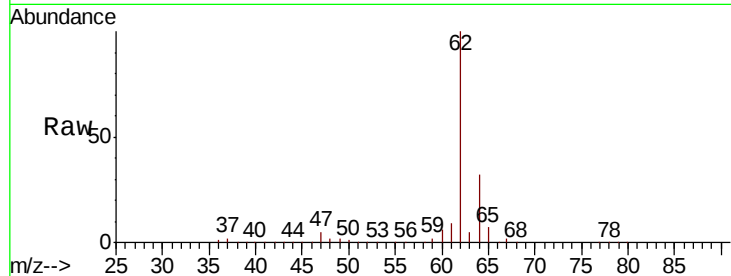
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 1077208

Ion Ratio Lower Upper

62 100

64 32.1 24.2 45.0



#12

1,1-Dichloroethene

Concen: 53.758 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU026322.D

Acq: 24 Aug 2018 00:28

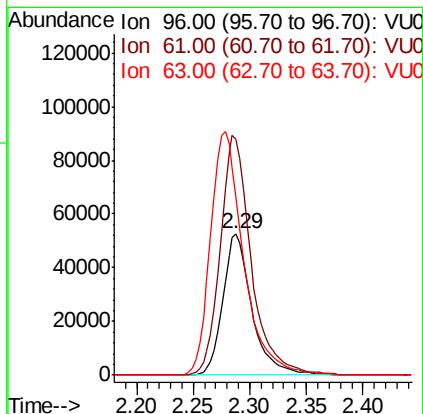
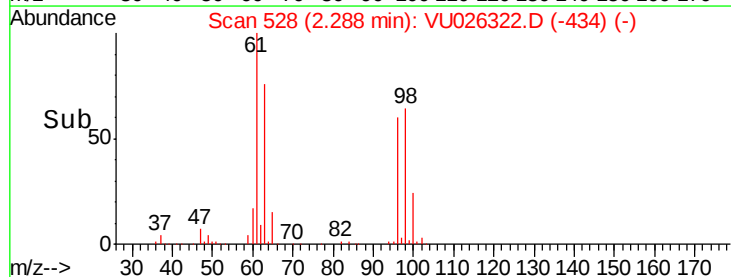
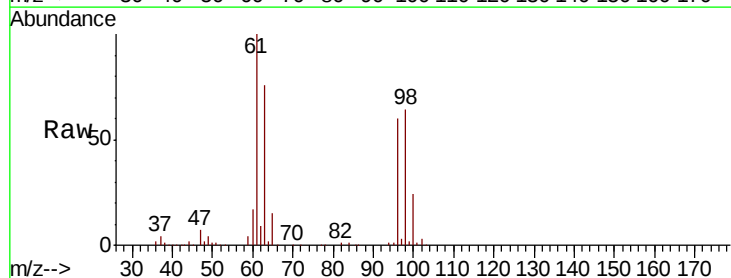
Tgt Ion: 96 Resp: 94152

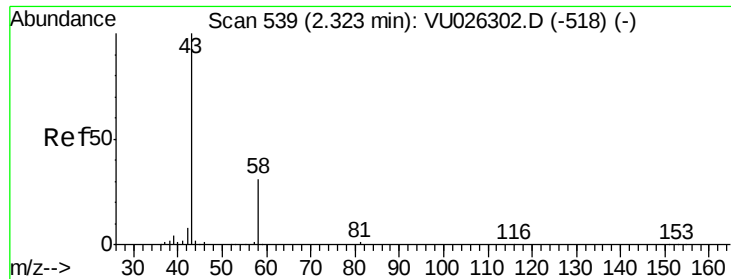
Ion Ratio Lower Upper

96 100

61 167.1 124.7 231.5

63 126.2 93.7 174.1





#13

Acetone

Concen: 5.718 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU026322.D

Acq: 24 Aug 2018 00:28

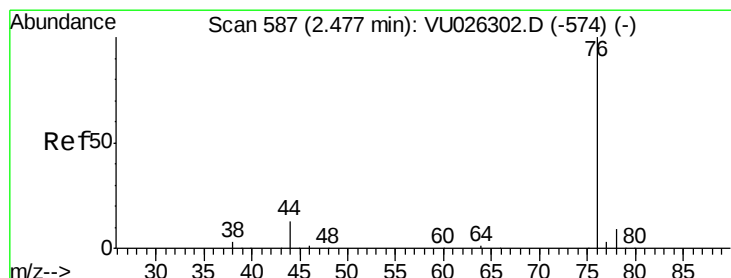
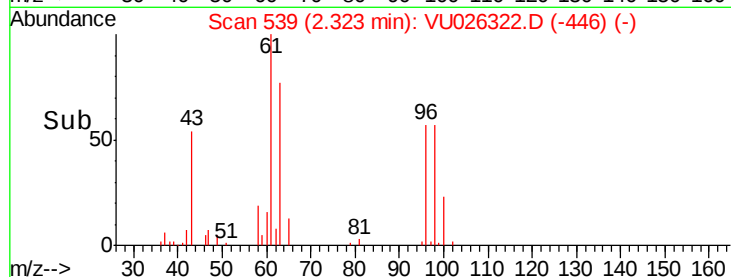
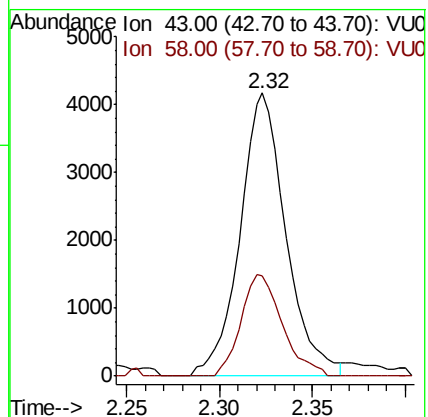
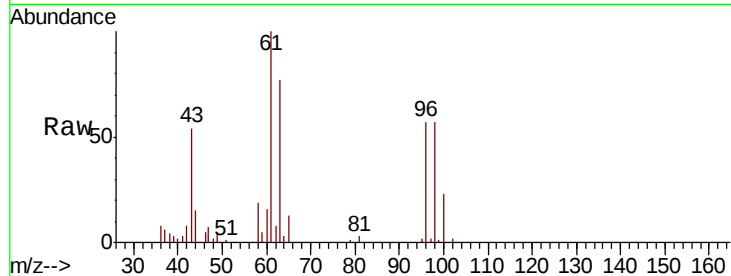
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 7168

Ion Ratio Lower Upper

43 100

58 32.2 0.0 61.2



#14

Carbon disulfide

Concen: 1.829 ug/L

RT: 2.49 min Scan# 590

Delta R.T. 0.01 min

Lab File: VU026322.D

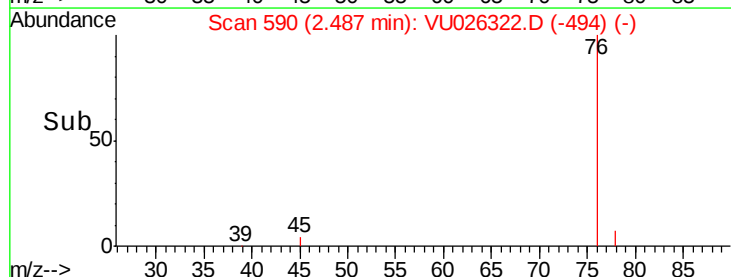
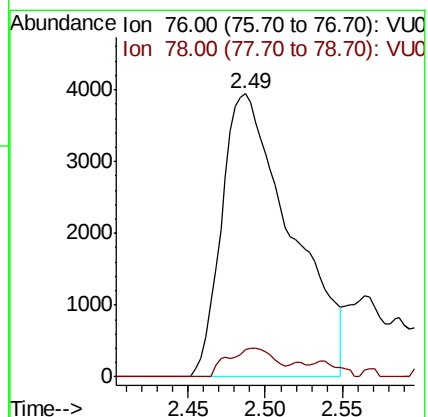
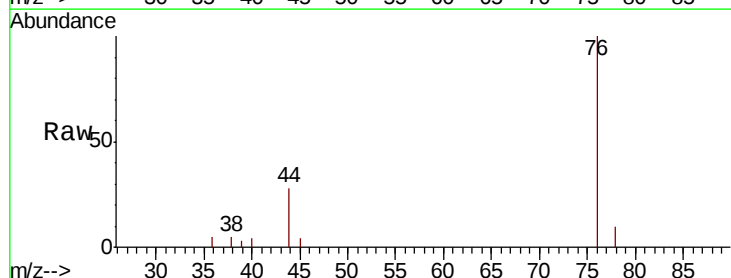
Acq: 24 Aug 2018 00:28

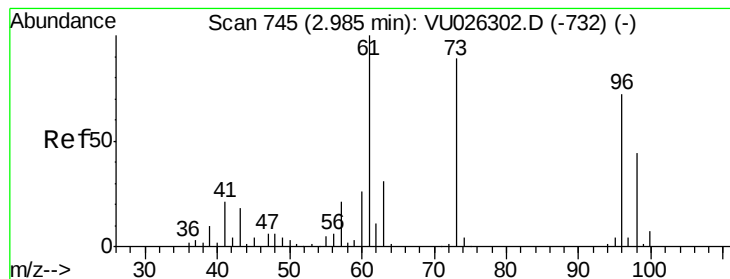
Tgt Ion: 76 Resp: 12292

Ion Ratio Lower Upper

76 100

78 9.5 7.2 10.8





#17

trans-1,2-Dichloroethene

Concen: 213.412 ug/L

RT: 2.99 min Scan# 747

Delta R.T. 0.01 min

Lab File: VU026322.D

Acq: 24 Aug 2018 00:28

Instrument :

MSVOA_U

ClientSampled :

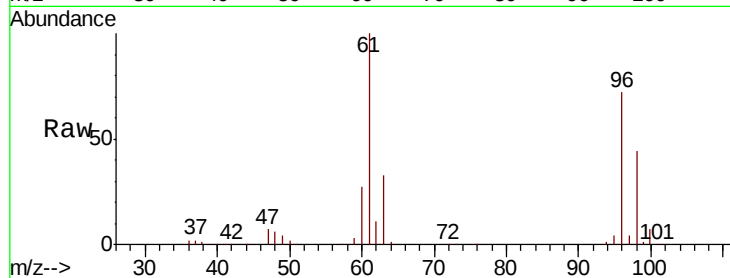
Tot Ion: 96 Resp: 460709

Ion Ratio Lower Upper

96 100

61 138.9 97.9 181.9

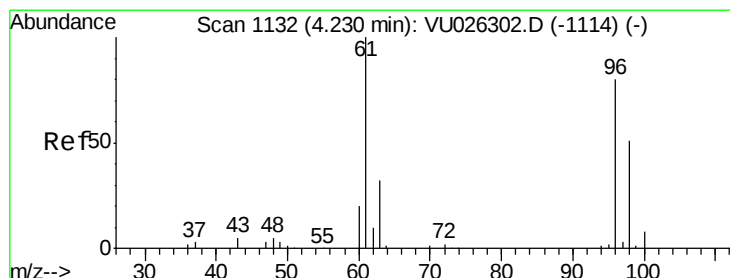
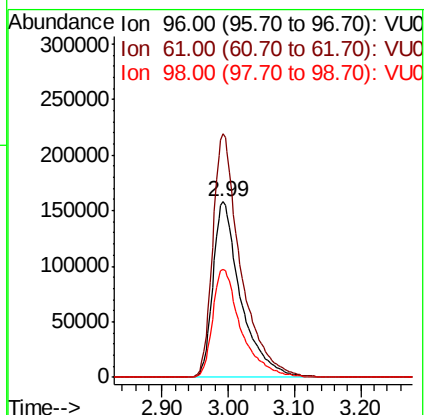
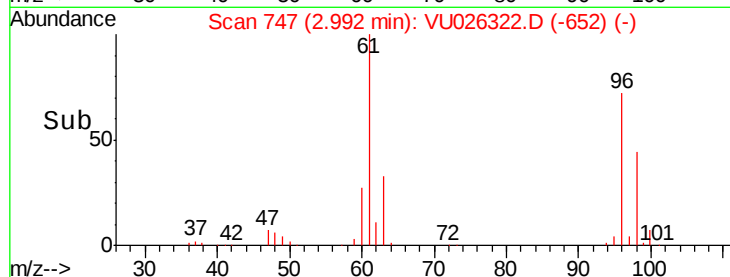
98 61.8 45.1 83.7



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 7512.626 ug/L

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU026322.D

Acq: 24 Aug 2018 00:28

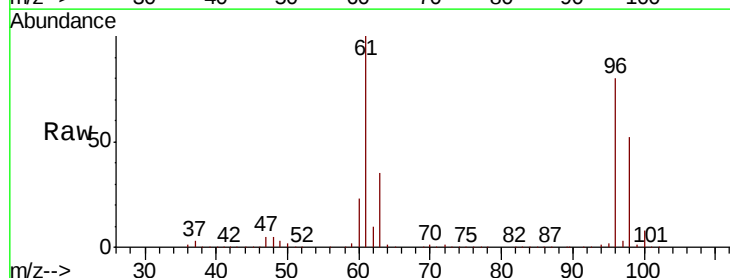
Tgt Ion: 96 Resp:17901652

Ion Ratio Lower Upper

96 100

61 124.5 90.3 167.7

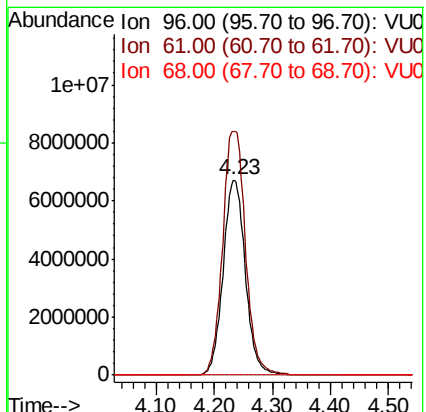
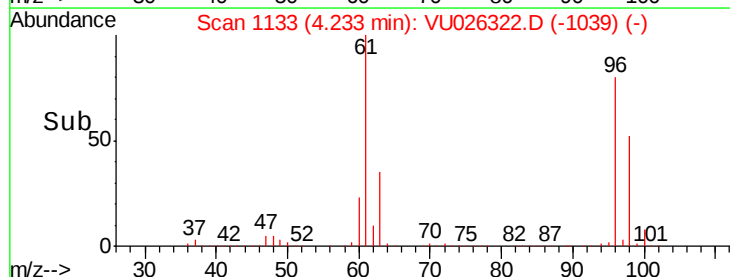
68 0.0 0.0 0.0

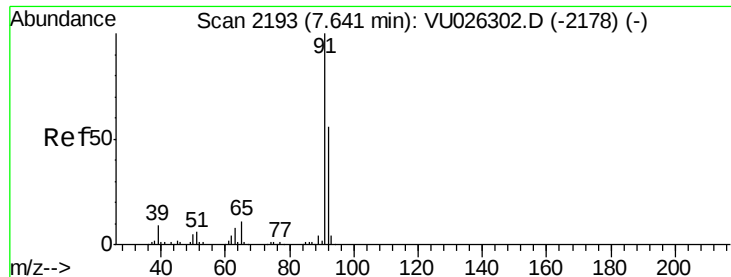


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#42

Toluene

Concen: 7.255 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU026322.D

Acq: 24 Aug 2018 00:28

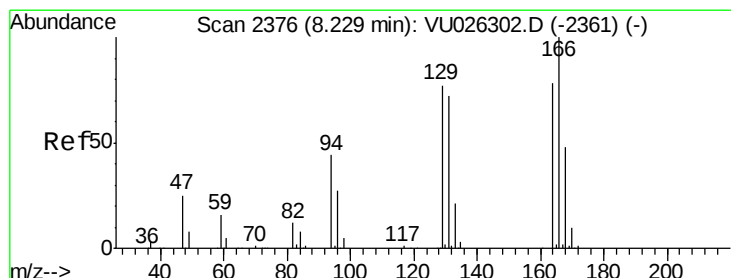
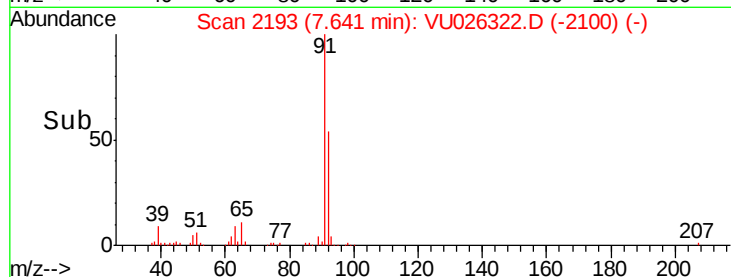
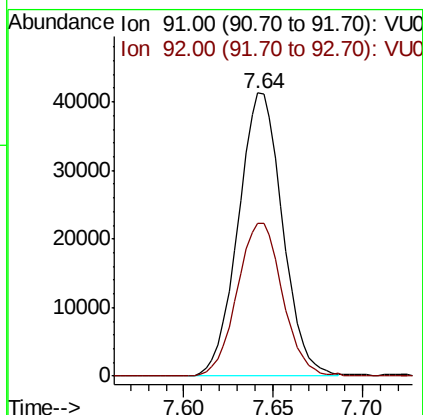
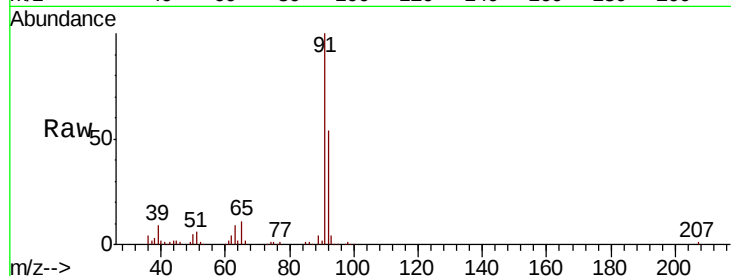
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 71549

Ion Ratio Lower Upper

91 100

92 53.8 39.9 74.1



#46

Tetrachloroethene

Concen: 10.423 ug/L

RT: 8.23 min Scan# 2377

Delta R.T. 0.00 min

Lab File: VU026322.D

Acq: 24 Aug 2018 00:28

Tgt Ion: 164 Resp: 21983

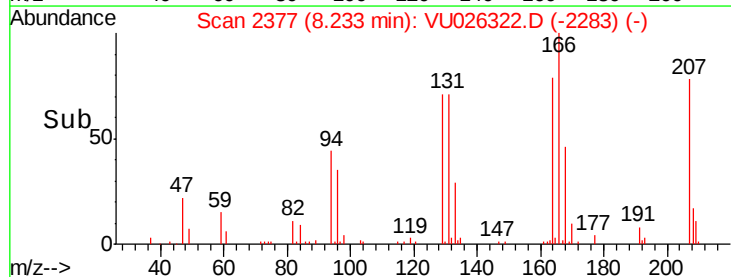
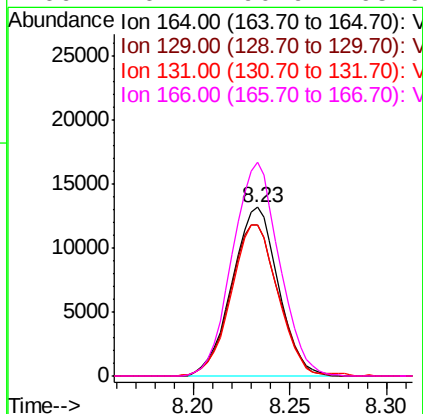
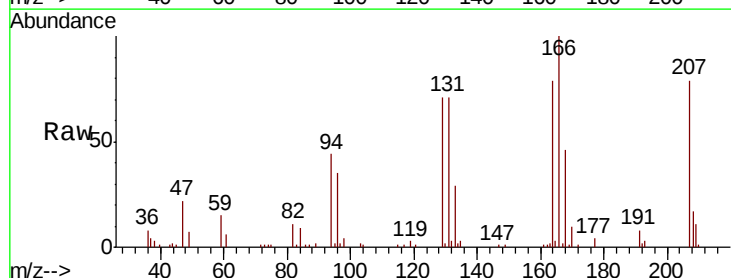
Ion Ratio Lower Upper

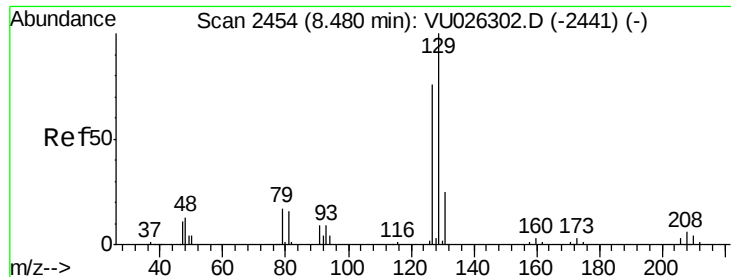
164 100

129 89.4 67.3 124.9

131 89.8 65.5 121.7

166 126.4 90.9 168.9

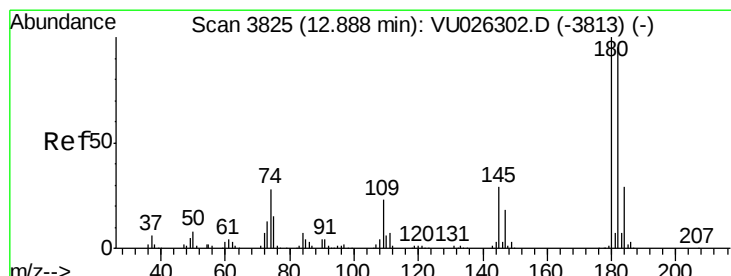
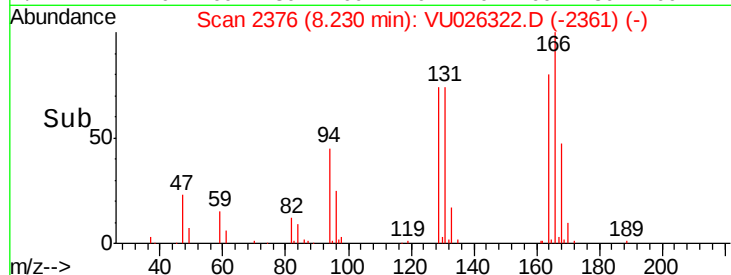
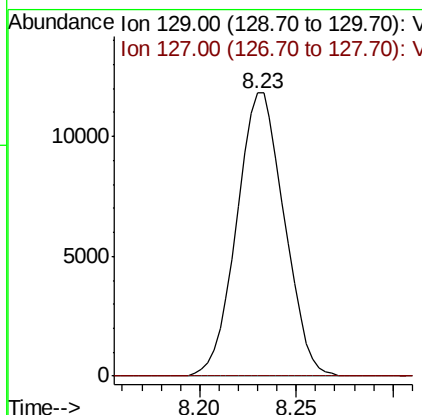
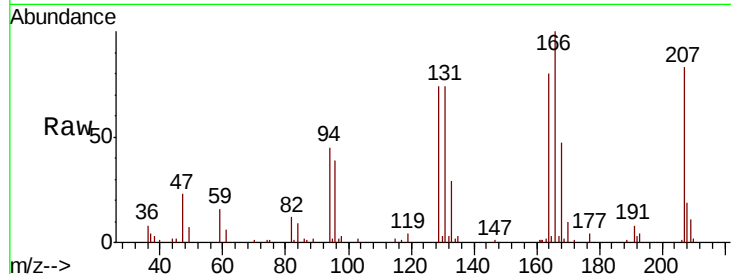




#49
 Dibromochloromethane
 Concen: 6.879 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.25 min
 Lab File: VU026322.D
 Acq: 24 Aug 2018 00:28

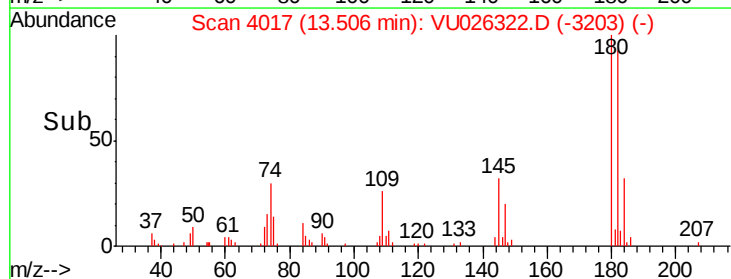
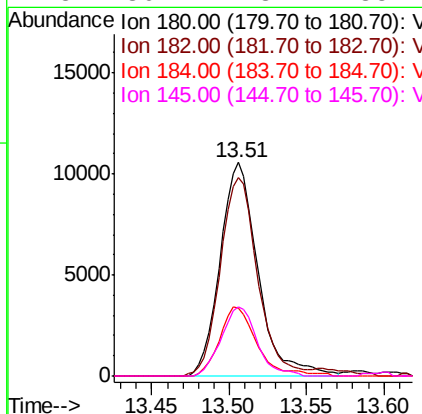
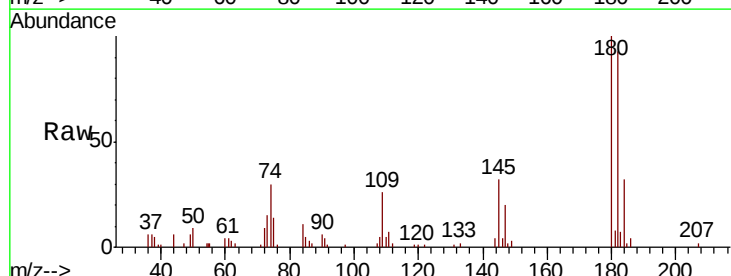
Instrument :
 MSVOA_U
 ClientSampled :

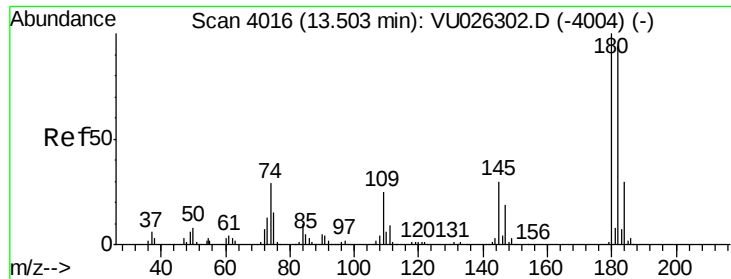
Tot Ion:129 Resp: 20230
 Ion Ratio Lower Upper
 129 100
 127 0.0 53.8 100.0#



#67
 1,3,5-Trichlorobenzene
 Concen: 4.474 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.62 min
 Lab File: VU026322.D
 Acq: 24 Aug 2018 00:28

Tgt Ion:180 Resp: 17960
 Ion Ratio Lower Upper
 180 100
 182 91.3 77.9 116.9
 184 30.3 24.2 36.4
 145 30.4 23.4 35.2

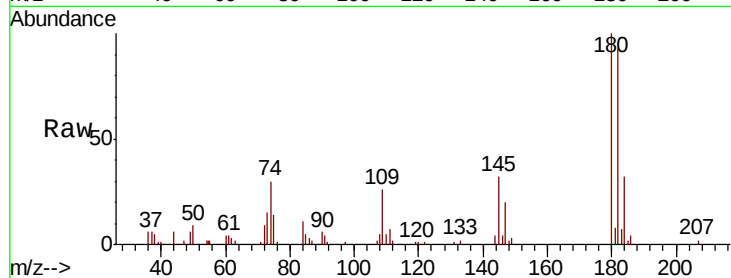




#68
 1,2,4-trichlorobenzene
 Concen: 5.125 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU026322.D
 Acq: 24 Aug 2018 00:28

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
180	180	100		
182	182	91.3	75.8	113.6
145	145	30.4	23.8	35.8



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

