

Data File : VU033766.D
Acq On : 12 Aug 2019 12:42
Operator : JC/SP
Sample : K4202-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F2B03

Quant Time: Aug 12 16:53:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080919WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Aug 12 16:26:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	382223	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	374084	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	162651	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	145970	51.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.76%
7) Chloroethane-d5	1.67	69	133715	47.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.84%
11) 1,1-Dichloroethene-d2	2.26	63	186421	39.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.80%
21) 2-Butanone-d5	4.15	46	179562	102.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.94%
24) Chloroform-d	4.62	84	226873	54.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.54%
26) 1,2-Dichloroethane-d4	5.29	65	145511	55.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.34%
32) Benzene-d6	5.32	84	460987	52.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.42%
36) 1,2-Dichloropropane-d6	6.31	67	149521	55.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.38%
41) Toluene-d8	7.55	98	402459	48.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.94%
43) trans-1,3-Dichloropropene-	7.83	79	65525	47.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.78%
47) 2-Hexanone-d5	8.30	63	123099	87.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.72%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	204999	51.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.30%
64) 1,2-Dichlorobenzene-d4	11.85	152	149638	54.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.32%

Target Compounds

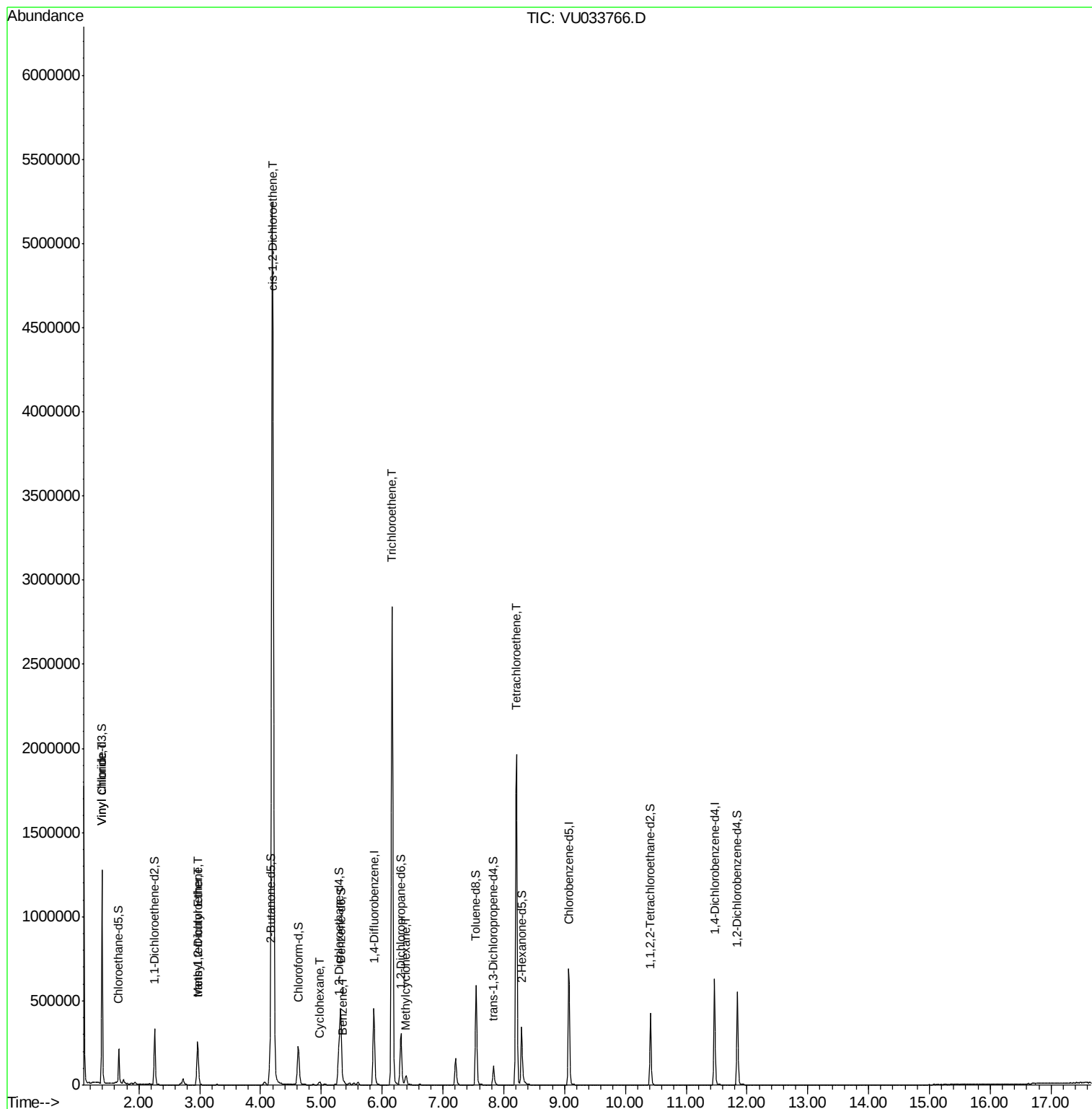
						Qvalue
5) Vinyl chloride	1.39	62	694949	215.985	ug/L	98
17) trans-1,2-Dichloroethene	2.96	96	90107	37.406	ug/L	98
18) Methyl tert-butyl Ether	2.98	73	12350	1.567	ug/L #	1
20) cis-1,2-Dichloroethene	4.20	96	2902094	1056.190	ug/L	95
29) Cyclohexane	4.97	56	7703	1.951	ug/L #	90
33) Benzene	5.37	78	17132	1.646	ug/L	100
34) Trichloroethene	6.16	95	964886	351.265	ug/L	95
35) Methylcyclohexane	6.40	83	21603	5.167	ug/L	90
46) Tetrachloroethene	8.21	164	425395	187.867	ug/L	96

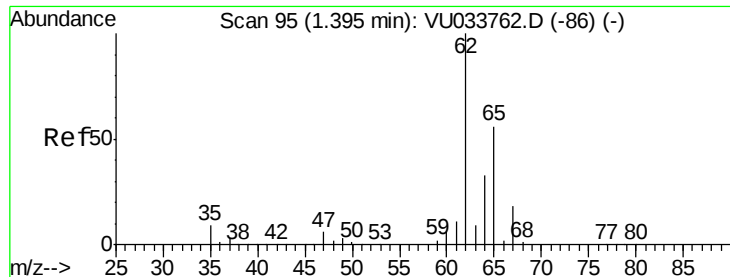
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 215.985 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033766.D

Acq: 12 Aug 2019 12:42

Instrument :

MSVOA_U

ClientSampled :

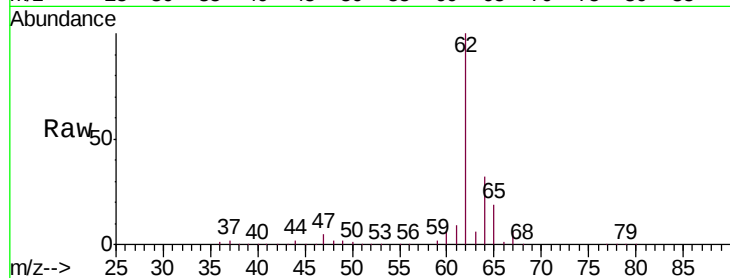
F2B03

Tgt Ion: 62 Resp: 694949

Ion Ratio Lower Upper

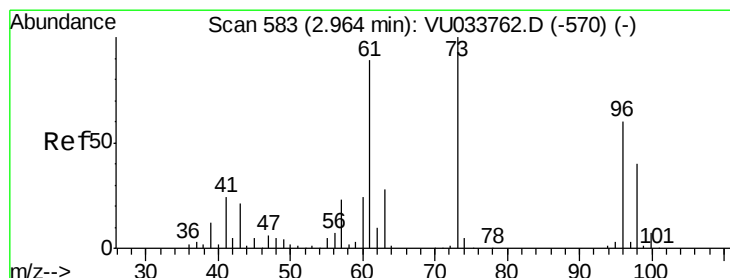
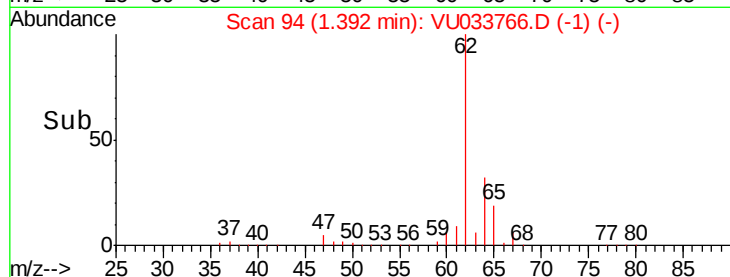
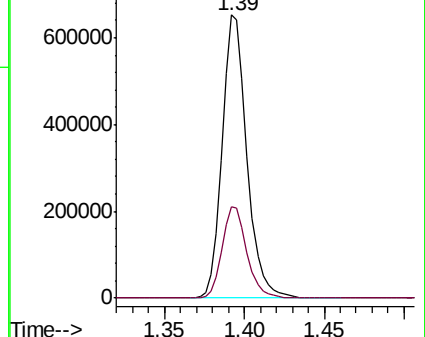
62 100

64 32.4 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU033766.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU033766.D (-1) (-)



#17

trans-1,2-Dichloroethene

Concen: 37.406 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033766.D

Acq: 12 Aug 2019 12:42

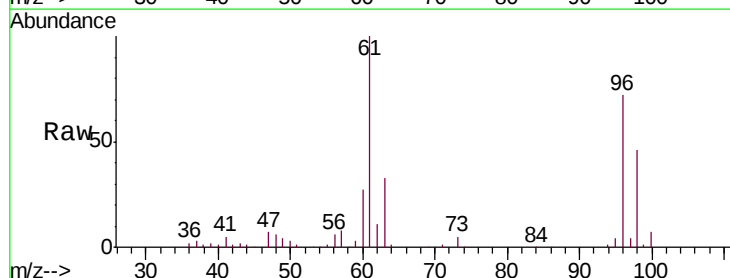
Tgt Ion: 96 Resp: 90107

Ion Ratio Lower Upper

96 100

61 139.7 95.6 177.6

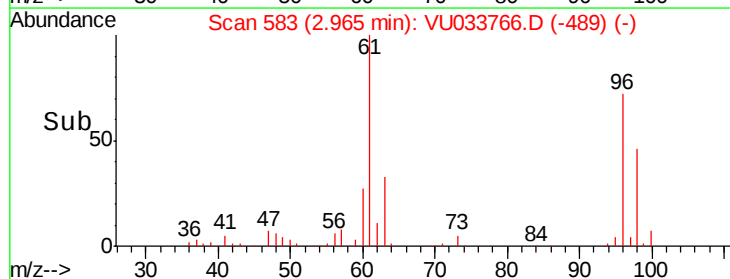
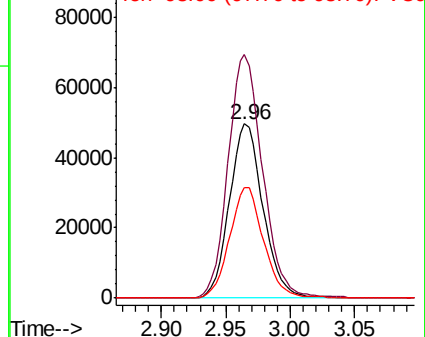
98 63.7 44.6 82.8

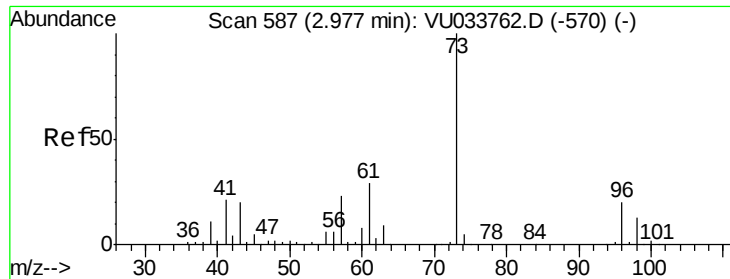


Abundance Ion 96.00 (95.70 to 96.70): VU033766.D (-489) (-)

Ion 61.00 (60.70 to 61.70): VU033766.D (-489) (-)

Ion 98.00 (97.70 to 98.70): VU033766.D (-489) (-)

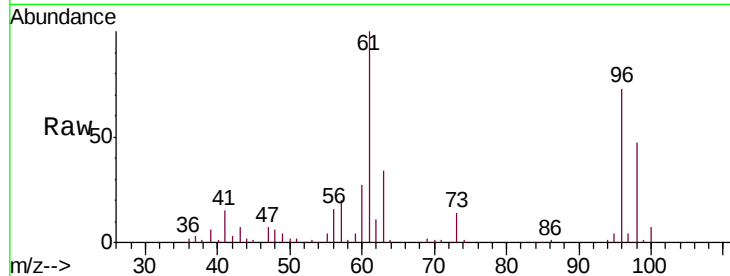




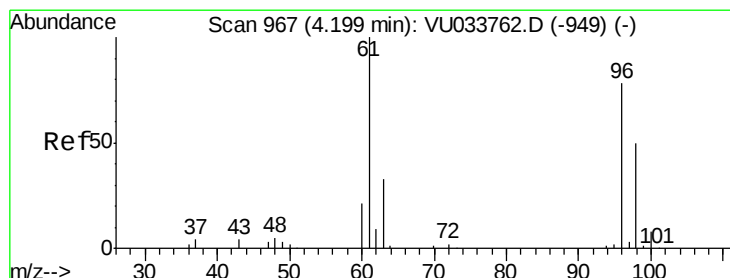
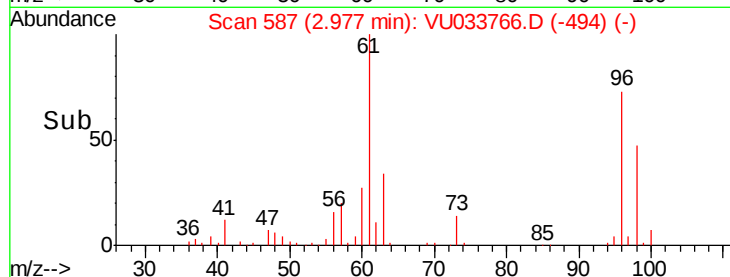
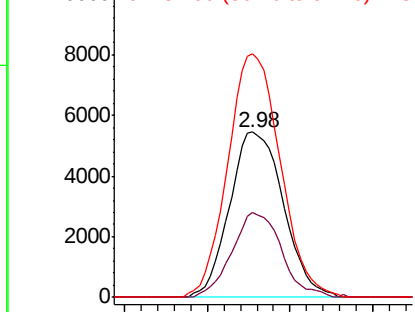
#18
Methyl tert-butyl Ether
Concen: 1.567 ug/L
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU033766.D
Acq: 12 Aug 2019 12:42

Instrument :
MSVOA_U
ClientSampled :
F2B03

Tgt Ion: 73 Resp: 12350
Ion Ratio Lower Upper
73 100
43 47.0 15.1 22.7#
57 143.5 17.4 26.0#

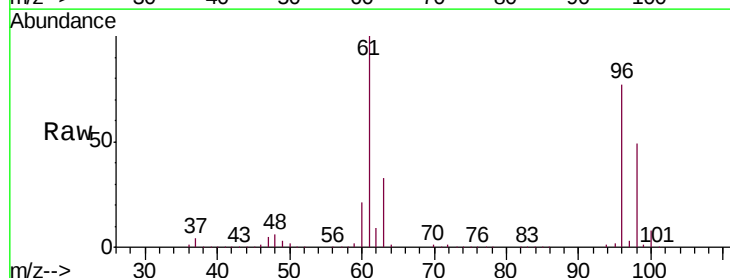


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

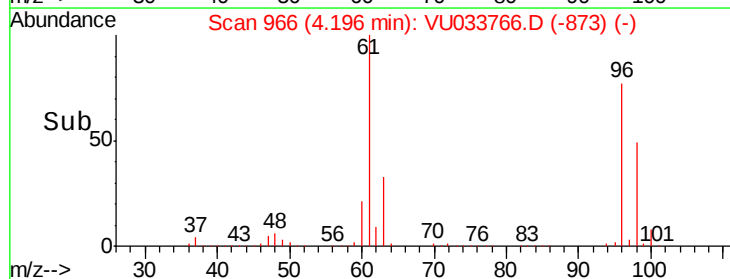
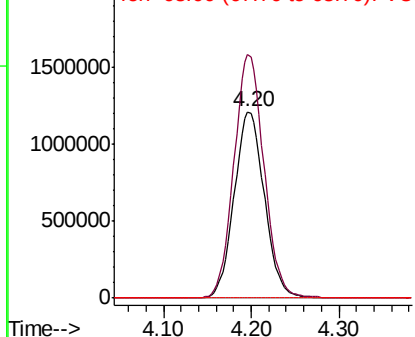


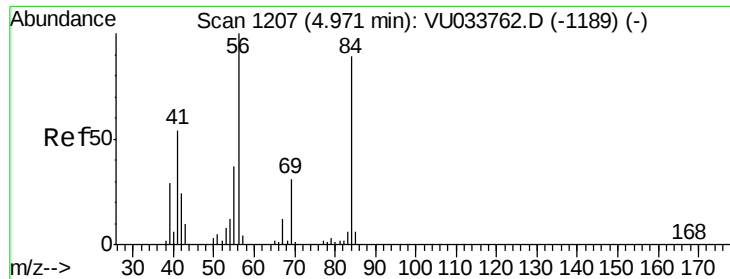
#20
cis-1,2-Dichloroethene
Concen: 1056.190 ug/L
RT: 4.20 min Scan# 966
Delta R.T. -0.00 min
Lab File: VU033766.D
Acq: 12 Aug 2019 12:42

Tgt Ion: 96 Resp: 2902094
Ion Ratio Lower Upper
96 100
61 130.5 87.0 161.6
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

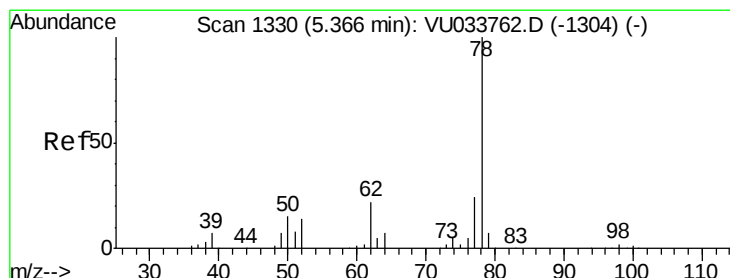
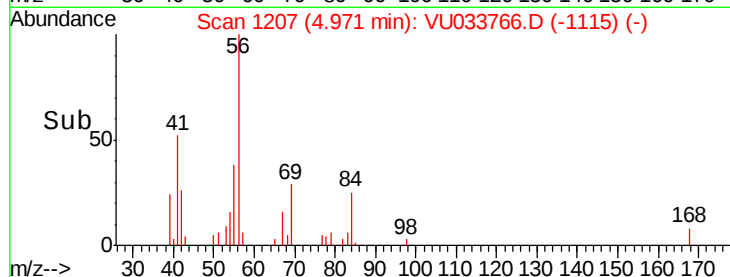
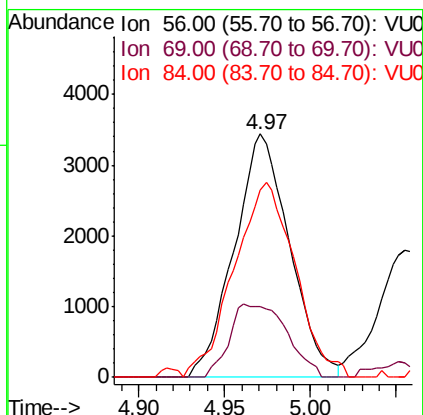
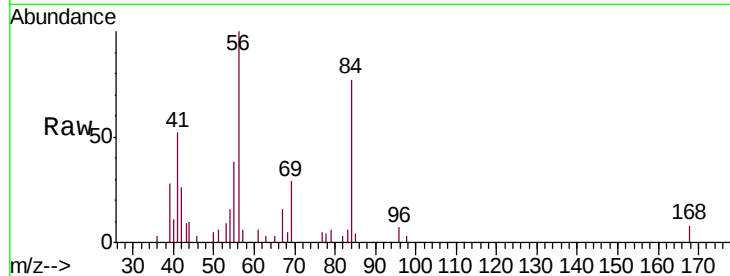




#29
Cyclohexane
Concen: 1.951 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU033766.D
Acq: 12 Aug 2019 12:42

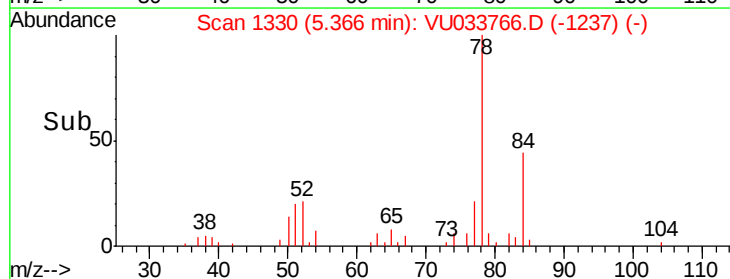
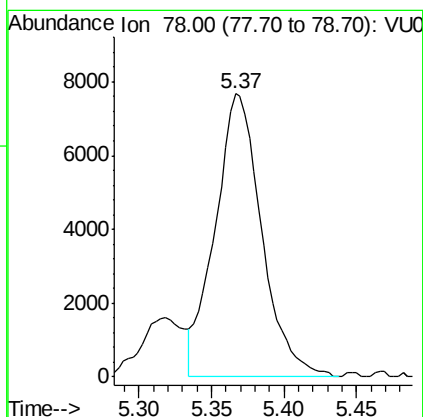
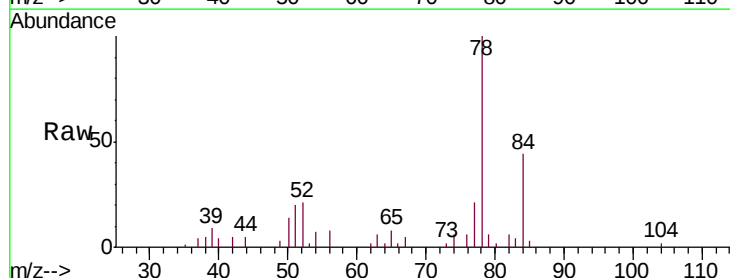
Instrument :
MSVOA_U
ClientSampleId :
F2B03

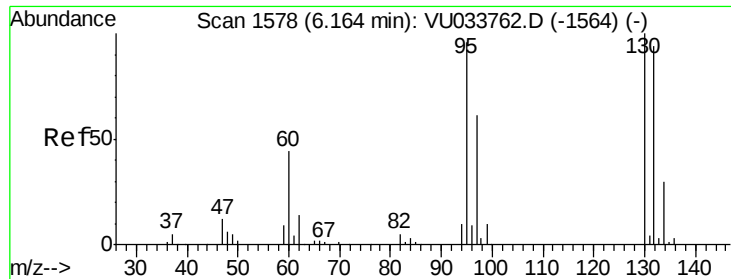
Tgt Ion: 56 Resp: 7703
Ion Ratio Lower Upper
56 100
69 14.6 25.3 37.9#
84 87.2 71.8 107.8



#33
Benzene
Concen: 1.646 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VU033766.D
Acq: 12 Aug 2019 12:42

Tgt Ion: 78 Resp: 17132

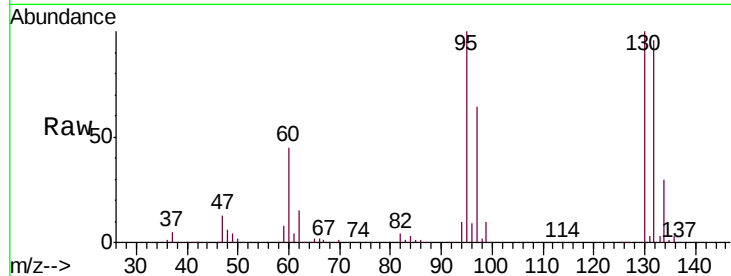




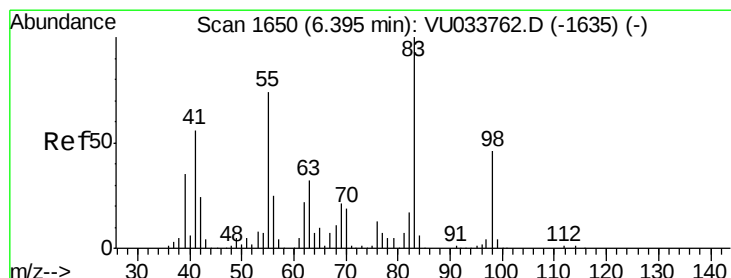
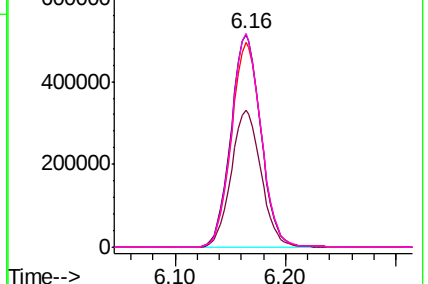
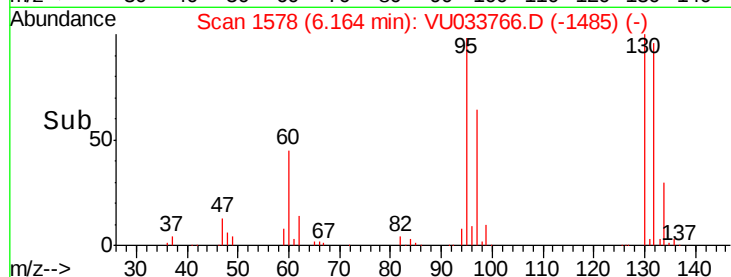
#34
 Trichloroethene
 Concen: 351.265 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VU033766.D
 Acq: 12 Aug 2019 12:42

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B03

Tgt Ion:	95	Resp:	964886
Ion	Ratio	Lower	Upper
95	100		
97	64.3	45.6	84.8
132	96.0	72.0	133.8
130	100.4	74.3	138.1

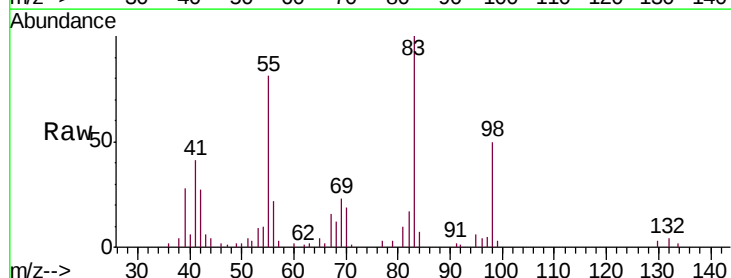


Abundance Ion 95.00 (94.70 to 95.70): VU033766.D (-1564) (-)
 Ion 97.00 (96.70 to 97.70): VU033766.D (-1564) (-)
 Ion 132.00 (131.70 to 132.70): VU033766.D (-1564) (-)
 Ion 130.00 (129.70 to 130.70): VU033766.D (-1564) (-)

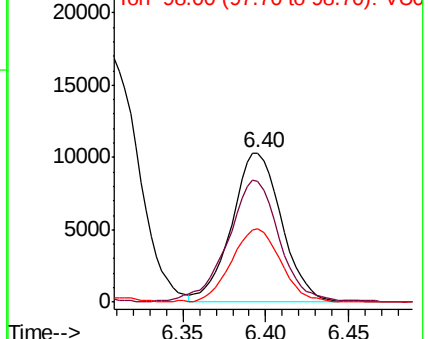
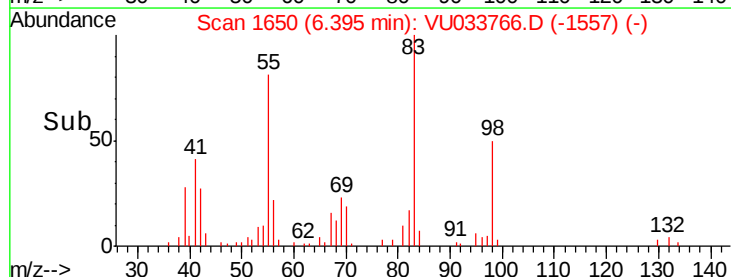


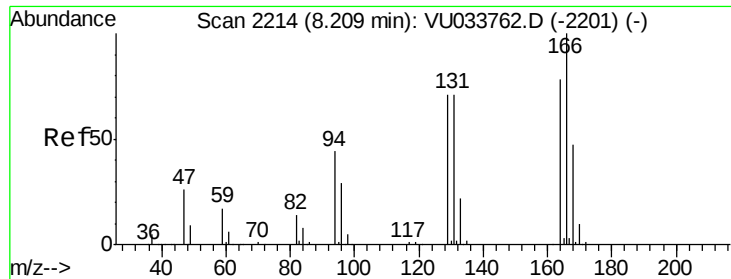
#35
 Methylcyclohexane
 Concen: 5.167 ug/L
 RT: 6.40 min Scan# 1650
 Delta R.T. -0.00 min
 Lab File: VU033766.D
 Acq: 12 Aug 2019 12:42

Tgt Ion:	83	Resp:	21603
Ion	Ratio	Lower	Upper
83	100		
55	84.7	58.1	87.1
98	48.3	36.8	55.2



Abundance Ion 83.00 (82.70 to 83.70): VU033766.D (-1635) (-)
 Ion 55.00 (54.70 to 55.70): VU033766.D (-1635) (-)
 Ion 98.00 (97.70 to 98.70): VU033766.D (-1635) (-)





#46

Tetrachloroethene

Concen: 187.867 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VU033766.D

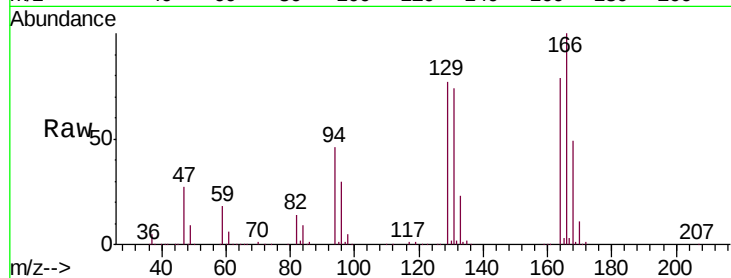
Acq: 12 Aug 2019 12:42

Instrument :

MSVOA_U

ClientSampleId :

F2B03



Tgt Ion:164 Resp: 425395

Ion Ratio Lower Upper

164 100

129 97.9 65.5 121.7

131 93.6 63.6 118.0

166 126.8 92.7 172.3

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

